LG
Life's Good

MULTI V™ WATER IV

PERFORMANCE DATA MANUAL

Variable Refrigerant Flow
Water Source Units

6.0 to 48.0 Tons

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PERFORMANCE DATA

208/230V Heat Pump and Heat Recovery Cooling Capacity Data 4

208/230V Heat Pump and Heat Recovery Heating Capacity Data 74

460V Heat Pump and Heat Recovery Cooling Capacity Data 164

460V Heat Pump and Heat Recovery Heating Capacity Data 248

PERFORMANCE DATA

Cooling Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	5.3	66.8	1.31	72.4	1.54	79.1	1.79	85.8	2.02	88.3	2.07	91.8	2.11	94.3	2.13
	32	6.0	66.8	1.31	72.4	1.54	79.1	1.79	85.8	2.02	88.3	2.07	91.8	2.11	94.3	2.13
	41	6.9	66.8	1.31	72.4	1.54	79.1	1.79	85.8	2.02	88.3	2.07	91.8	2.11	94.3	2.13
	50	8.1	66.8	1.31	72.4	1.54	79.1	1.79	85.8	2.02	88.3	2.07	91.8	2.11	94.3	2.13
		10.2	66.8	1.29	72.4	1.51	79.1	1.76	85.8	1.98	88.3	2.04	91.8	2.08	94.3	2.10
		20.3	66.8	1.19	72.4	1.42	79.1	1.65	85.8	1.86	88.3	1.89	91.8	1.95	94.3	1.99
		25.4	66.8	1.16	72.4	1.38	79.1	1.62	85.8	1.81	88.3	1.86	91.8	1.91	94.3	1.94
		30.5	66.8	1.14	72.4	1.37	79.1	1.60	85.8	1.79	88.3	1.85	91.8	1.88	94.3	1.91
	59	8.1	65.8	1.73	71.3	2.01	77.7	2.35	84.4	2.65	86.9	2.71	90.3	2.77	92.8	2.81
		10.2	65.8	1.70	71.3	1.98	77.7	2.31	84.4	2.60	86.9	2.67	90.3	2.73	92.8	2.77
		20.3	65.8	1.56	71.3	1.86	77.7	2.16	84.4	2.43	86.9	2.49	90.3	2.56	92.8	2.61
		25.4	65.8	1.52	71.3	1.81	77.7	2.11	84.4	2.38	86.9	2.44	90.3	2.51	92.8	2.55
		30.5	65.8	1.50	71.3	1.79	77.7	2.09	84.4	2.36	86.9	2.42	90.3	2.48	92.8	2.52
	67	8.1	64.9	2.10	70.3	2.44	76.5	2.85	83.2	3.21	85.7	3.28	89.0	3.36	91.5	3.42
		10.2	64.9	2.06	70.3	2.40	76.5	2.80	83.2	3.15	85.7	3.23	89.0	3.31	91.5	3.37
		20.3	64.9	1.89	70.3	2.25	76.5	2.61	83.2	2.95	85.7	3.02	89.0	3.10	91.5	3.16
		25.4	64.9	1.84	70.3	2.19	76.5	2.56	83.2	2.89	85.7	2.96	89.0	3.04	91.5	3.09
		30.5	64.9	1.81	70.3	2.17	76.5	2.53	83.2	2.86	85.7	2.93	89.0	3.01	91.5	3.06
	75	8.1	64.9	2.59	70.3	3.01	76.5	3.50	83.2	3.95	85.7	4.05	89.0	4.14	91.5	4.21
		10.2	64.9	2.54	70.3	2.96	76.5	3.45	83.2	3.88	85.7	3.98	89.0	4.08	91.5	4.15
		20.3	64.9	2.34	70.3	2.77	76.5	3.23	83.2	3.63	85.7	3.72	89.0	3.82	91.5	3.90
		25.4	64.9	2.27	70.3	2.71	76.5	3.16	83.2	3.56	85.7	3.65	89.0	3.75	91.5	3.81
		30.5	64.9	2.24	70.3	2.68	76.5	3.13	83.2	3.53	85.7	3.62	89.0	3.71	91.5	3.77
	86	8.1	64.9	3.11	70.3	3.61	76.5	4.21	83.2	4.74	85.7	4.85	89.0	4.97	91.5	5.05
		10.2	64.9	3.05	70.3	3.55	76.5	4.14	83.2	4.67	85.7	4.77	89.0	4.90	91.5	4.98
		20.3	64.9	2.80	70.3	3.32	76.5	3.87	83.2	4.36	85.7	4.47	89.0	4.59	91.5	4.68
		25.4	64.9	2.73	70.3	3.25	76.5	3.79	83.2	4.27	85.7	4.39	89.0	4.50	91.5	4.58
		30.5	64.9	2.69	70.3	3.22	76.5	3.75	83.2	4.23	85.7	4.35	89.0	4.45	91.5	4.52
	95	8.1	58.4	3.15	63.2	3.66	68.9	4.25	74.9	4.80	77.1	4.90	80.1	5.03	82.3	5.12
		10.2	58.4	3.08	63.2	3.60	68.9	4.19	74.9	4.72	77.1	4.83	80.1	4.95	82.3	5.04
		20.3	58.4	2.83	63.2	3.36	68.9	3.92	74.9	4.41	77.1	4.52	80.1	4.64	82.3	4.73
		25.4	58.4	2.75	63.2	3.29	68.9	3.84	74.9	4.32	77.1	4.43	80.1	4.55	82.3	4.63
		30.5	58.4	2.71	63.2	3.25	68.9	3.80	74.9	4.27	77.1	4.39	80.1	4.51	82.3	4.58
	104	8.1	51.9	3.32	56.2	3.86	61.2	4.49	66.5	5.06	68.5	5.17	71.2	5.30	73.2	5.39
		10.2	51.9	3.25	56.2	3.79	61.2	4.42	66.5	4.98	68.5	5.09	71.2	5.22	73.2	5.31
		20.3	51.9	2.99	56.2	3.55	61.2	4.13	66.5	4.65	68.5	4.76	71.2	4.90	73.2	4.99
		25.4	51.9	2.91	56.2	3.47	61.2	4.04	66.5	4.56	68.5	4.67	71.2	4.80	73.2	4.88
		30.5	51.9	2.87	56.2	3.43	61.2	4.00	66.5	4.51	68.5	4.63	71.2	4.75	73.2	4.82
	113	8.1	45.4	3.49	49.2	4.06	53.5	4.72	58.1	5.32	59.9	5.45	62.3	5.57	64.1	5.67
		10.2	45.4	3.42	49.2	3.99	53.5	4.65	58.1	5.23	59.9	5.36	62.3	5.48	64.1	5.59
		20.3	45.4	3.14	49.2	3.73	53.5	4.35	58.1	4.89	59.9	5.00	62.3	5.15	64.1	5.26
		25.4	45.4	3.06	49.2	3.64	53.5	4.25	58.1	4.80	59.9	4.91	62.3	5.05	64.1	5.13
		30.5	45.4	3.02	49.2	3.60	53.5	4.20	58.1	4.75	59.9	4.87	62.3	4.99	64.1	5.06
120	23	5.3	63.3	1.25	68.6	1.45	74.6	1.70	81.2	1.91	83.7	1.97	86.9	2.01	89.3	2.04
	32	6.0	63.3	1.25	68.6	1.45	74.6	1.70	81.2	1.91	83.7	1.97	86.9	2.01	89.3	2.04
	41	6.9	63.3	1.25	68.6	1.45	74.6	1.70	81.2	1.91	83.7	1.97	86.9	2.01	89.3	2.04
	50	8.1	63.3	1.25	68.6	1.45	74.6	1.70	81.2	1.91	83.7	1.97	86.9	2.01	89.3	2.04
		10.2	63.3	1.23	68.6	1.42	74.6	1.67	81.2	1.88	83.7	1.93	86.9	1.97	89.3	2.01
		20.3	63.3	1.12	68.6	1.33	74.6	1.55	81.2	1.76	83.7	1.79	86.9	1.84	89.3	1.87
		25.4	63.3	1.11	68.6	1.30	74.6	1.54	81.2	1.72	83.7	1.76	86.9	1.81	89.3	1.84
		30.5	63.3	1.10	68.6	1.29	74.6	1.53	81.2	1.71	83.7	1.74	86.9	1.79	89.3	1.82
	59	8.1	62.6	1.66	67.8	1.92	73.8	2.25	80.3	2.53	82.7	2.59	85.9	2.66	88.3	2.70
		10.2	62.6	1.63	67.8	1.89	73.8	2.21	80.3	2.49	82.7	2.55	85.9	2.61	88.3	2.66
		20.3	62.6	1.49	67.8	1.77	73.8	2.06	80.3	2.33	82.7	2.38	85.9	2.44	88.3	2.49
		25.4	62.6	1.46	67.8	1.73	73.8	2.03	80.3	2.28	82.7	2.34	85.9	2.40	88.3	2.43
		30.5	62.6	1.44	67.8	1.72	73.8	2.01	80.3	2.26	82.7	2.32	85.9	2.38	88.3	2.41
	67	8.1	62.0	2.02	67.1	2.35	73.1	2.74	79.5	3.08	81.8	3.15	85.0	3.23	87.4	3.28
		10.2	62.0	1.98	67.1	2.31	73.1	2.69	79.5	3.03	81.8	3.10	85.0	3.18	87.4	3.23
		20.3	62.0	1.82	67.1	2.16	73.1	2.51	79.5	2.83	81.8	2.91	85.0	2.98	87.4	3.04
		25.4	62.0	1.77	67.1	2.11	73.1	2.46	79.5	2.78	81.8	2.85	85.0	2.92	87.4	2.97
		30.5	62.0	1.74	67.1	2.09	73.1	2.43	79.5	2.75	81.8	2.83	85.0	2.90	87.4	2.93

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	8.1	62.0	2.48	67.1	2.88	73.1	3.36	79.5	3.78	81.8	3.88	85.0	3.97	87.4	4.04
		10.2	62.0	2.43	67.1	2.83	73.1	3.31	79.5	3.72	81.8	3.81	85.0	3.91	87.4	3.98
		20.3	62.0	2.24	67.1	2.66	73.1	3.09	79.5	3.48	81.8	3.56	85.0	3.66	87.4	3.73
		25.4	62.0	2.18	67.1	2.59	73.1	3.03	79.5	3.41	81.8	3.50	85.0	3.59	87.4	3.64
		30.5	62.0	2.15	67.1	2.56	73.1	3.00	79.5	3.38	81.8	3.47	85.0	3.55	87.4	3.60
	86	8.1	62.0	3.00	67.1	3.49	73.1	4.06	79.5	4.58	81.8	4.69	85.0	4.80	87.4	4.88
		10.2	62.0	2.94	67.1	3.43	73.1	4.00	79.5	4.51	81.8	4.61	85.0	4.73	87.4	4.81
		20.3	62.0	2.71	67.1	3.21	73.1	3.74	79.5	4.21	81.8	4.31	85.0	4.43	87.4	4.51
		25.4	62.0	2.63	67.1	3.14	73.1	3.66	79.5	4.12	81.8	4.23	85.0	4.35	87.4	4.41
		30.5	62.0	2.59	67.1	3.10	73.1	3.62	79.5	4.08	81.8	4.19	85.0	4.31	87.4	4.35
	95	8.1	56.7	3.07	61.4	3.58	66.9	4.16	72.7	4.69	74.9	4.80	77.8	4.92	80.0	5.01
		10.2	56.7	3.01	61.4	3.52	66.9	4.10	72.7	4.61	74.9	4.73	77.8	4.84	80.0	4.93
		20.3	56.7	2.77	61.4	3.29	66.9	3.83	72.7	4.32	74.9	4.43	77.8	4.54	80.0	4.62
		25.4	56.7	2.70	61.4	3.22	66.9	3.75	72.7	4.23	74.9	4.34	77.8	4.45	80.0	4.51
		30.5	56.7	2.67	61.4	3.18	66.9	3.71	72.7	4.19	74.9	4.29	77.8	4.41	80.0	4.46
	104	8.1	51.5	3.31	55.7	3.85	60.7	4.48	66.0	5.05	67.9	5.17	70.6	5.29	72.6	5.39
		10.2	51.5	3.24	55.7	3.79	60.7	4.41	66.0	4.97	67.9	5.08	70.6	5.21	72.6	5.31
		20.3	51.5	2.99	55.7	3.54	60.7	4.12	66.0	4.65	67.9	4.75	70.6	4.88	72.6	4.98
		25.4	51.5	2.91	55.7	3.47	60.7	4.04	66.0	4.55	67.9	4.67	70.6	4.79	72.6	4.86
		30.5	51.5	2.87	55.7	3.43	60.7	4.00	66.0	4.50	67.9	4.62	70.6	4.75	72.6	4.80
	113	8.1	46.3	3.54	50.0	4.12	54.5	4.79	59.3	5.41	60.9	5.53	63.4	5.66	65.2	5.77
		10.2	46.3	3.47	50.0	4.05	54.5	4.72	59.3	5.32	60.9	5.44	63.4	5.57	65.2	5.68
		20.3	46.3	3.20	50.0	3.79	54.5	4.42	59.3	4.98	60.9	5.08	63.4	5.22	65.2	5.33
		25.4	46.3	3.11	50.0	3.71	54.5	4.34	59.3	4.87	60.9	4.99	63.4	5.13	65.2	5.21
		30.5	46.3	3.07	50.0	3.68	54.5	4.30	59.3	4.82	60.9	4.95	63.4	5.08	65.2	5.15
110	23	5.3	59.7	1.19	64.6	1.38	70.3	1.59	76.6	1.80	78.9	1.83	82.1	1.89	84.2	1.91
	32	6.0	59.7	1.19	64.6	1.38	70.3	1.59	76.6	1.80	78.9	1.83	82.1	1.89	84.2	1.91
	41	6.9	59.7	1.19	64.6	1.38	70.3	1.59	76.6	1.80	78.9	1.83	82.1	1.89	84.2	1.91
	50	8.1	59.7	1.19	64.6	1.38	70.3	1.59	76.6	1.80	78.9	1.83	82.1	1.89	84.2	1.91
		10.2	59.7	1.17	64.6	1.35	70.3	1.57	76.6	1.77	78.9	1.81	82.1	1.86	84.2	1.88
		20.3	59.7	1.07	64.6	1.26	70.3	1.47	76.6	1.66	78.9	1.71	82.1	1.73	84.2	1.76
		25.4	59.7	1.04	64.6	1.23	70.3	1.44	76.6	1.63	78.9	1.66	82.1	1.69	84.2	1.74
		30.5	59.7	1.02	64.6	1.22	70.3	1.42	76.6	1.61	78.9	1.64	82.1	1.68	84.2	1.73
	59	8.1	59.4	1.59	64.3	1.84	70.0	2.14	76.1	2.41	78.4	2.46	81.5	2.53	83.7	2.57
		10.2	59.4	1.56	64.3	1.81	70.0	2.11	76.1	2.37	78.4	2.43	81.5	2.49	83.7	2.53
		20.3	59.4	1.43	64.3	1.69	70.0	1.97	76.1	2.22	78.4	2.27	81.5	2.33	83.7	2.37
		25.4	59.4	1.39	64.3	1.65	70.0	1.93	76.1	2.18	78.4	2.23	81.5	2.28	83.7	2.32
		30.5	59.4	1.36	64.3	1.64	70.0	1.91	76.1	2.16	78.4	2.21	81.5	2.26	83.7	2.29
	67	8.1	59.1	1.94	64.0	2.26	69.7	2.63	75.7	2.95	78.0	3.03	81.0	3.10	83.3	3.16
		10.2	59.1	1.90	64.0	2.22	69.7	2.59	75.7	2.91	78.0	2.98	81.0	3.05	83.3	3.11
		20.3	59.1	1.75	64.0	2.07	69.7	2.42	75.7	2.72	78.0	2.78	81.0	2.86	83.3	2.91
		25.4	59.1	1.70	64.0	2.03	69.7	2.36	75.7	2.67	78.0	2.74	81.0	2.81	83.3	2.83
		30.5	59.1	1.67	64.0	2.00	69.7	2.34	75.7	2.64	78.0	2.71	81.0	2.78	83.3	2.79
	75	8.1	59.1	2.38	64.0	2.76	69.7	3.22	75.7	3.62	78.0	3.70	81.0	3.79	83.3	3.86
		10.2	59.1	2.33	64.0	2.72	69.7	3.16	75.7	3.56	78.0	3.64	81.0	3.73	83.3	3.80
		20.3	59.1	2.14	64.0	2.54	69.7	2.96	75.7	3.33	78.0	3.41	81.0	3.50	83.3	3.56
		25.4	59.1	2.08	64.0	2.49	69.7	2.90	75.7	3.26	78.0	3.35	81.0	3.43	83.3	3.47
		30.5	59.1	2.05	64.0	2.46	69.7	2.87	75.7	3.23	78.0	3.32	81.0	3.39	83.3	3.43
	86	8.1	59.1	2.89	64.0	3.37	69.7	3.92	75.7	4.42	78.0	4.52	81.0	4.63	83.3	4.71
		10.2	59.1	2.83	64.0	3.31	69.7	3.86	75.7	4.35	78.0	4.44	81.0	4.56	83.3	4.64
		20.3	59.1	2.61	64.0	3.09	69.7	3.61	75.7	4.06	78.0	4.16	81.0	4.27	83.3	4.35
		25.4	59.1	2.54	64.0	3.03	69.7	3.53	75.7	3.98	78.0	4.08	81.0	4.19	83.3	4.24
		30.5	59.1	2.51	64.0	3.00	69.7	3.49	75.7	3.94	78.0	4.04	81.0	4.15	83.3	4.19
	95	8.1	55.0	3.01	59.6	3.50	64.9	4.07	70.6	4.59	72.7	4.69	75.5	4.81	77.6	4.90
		10.2	55.0	2.95	59.6	3.44	64.9	4.01	70.6	4.51	72.7	4.62	75.5	4.74	77.6	4.83
		20.3	55.0	2.71	59.6	3.22	64.9	3.75	70.6	4.22	72.7	4.33	75.5	4.43	77.6	4.51
		25.4	55.0	2.64	59.6	3.15	64.9	3.67	70.6	4.14	72.7	4.24	75.5	4.35	77.6	4.41
		30.5	55.0	2.60	59.6	3.11	64.9	3.63	70.6	4.10	72.7	4.19	75.5	4.31	77.6	4.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	8.1	51.0	3.31	55.2	3.84	60.2	4.48	65.4	5.04	67.3	5.16	70.0	5.28	71.9	5.38
		10.2	51.0	3.24	55.2	3.78	60.2	4.41	65.4	4.96	67.3	5.07	70.0	5.20	71.9	5.30
		20.3	51.0	2.98	55.2	3.54	60.2	4.11	65.4	4.64	67.3	4.75	70.0	4.87	71.9	4.97
		25.4	51.0	2.90	55.2	3.46	60.2	4.03	65.4	4.55	67.3	4.66	70.0	4.78	71.9	4.84
		30.5	51.0	2.86	55.2	3.42	60.2	3.99	65.4	4.51	67.3	4.61	70.0	4.74	71.9	4.78
	113	8.1	47.0	3.61	50.8	4.18	55.5	4.89	60.2	5.49	61.9	5.62	64.5	5.75	66.2	5.85
		10.2	47.0	3.54	50.8	4.11	55.5	4.81	60.2	5.40	61.9	5.53	64.5	5.66	66.2	5.77
		20.3	47.0	3.24	50.8	3.86	55.5	4.48	60.2	5.06	61.9	5.16	64.5	5.31	66.2	5.42
		25.4	47.0	3.15	50.8	3.77	55.5	4.40	60.2	4.96	61.9	5.07	64.5	5.21	66.2	5.28
		30.5	47.0	3.11	50.8	3.72	55.5	4.36	60.2	4.91	61.9	5.03	64.5	5.16	66.2	5.21
100	23	5.3	56.2	1.11	60.8	1.30	66.2	1.50	72.0	1.68	74.2	1.72	77.0	1.78	79.2	1.82
	32	6.0	56.2	1.11	60.8	1.30	66.2	1.50	72.0	1.68	74.2	1.72	77.0	1.78	79.2	1.82
	41	6.9	56.2	1.11	60.8	1.30	66.2	1.50	72.0	1.68	74.2	1.72	77.0	1.78	79.2	1.82
	50	8.1	56.2	1.11	60.8	1.30	66.2	1.50	72.0	1.68	74.2	1.72	77.0	1.78	79.2	1.82
		10.2	56.2	1.09	60.8	1.27	66.2	1.48	72.0	1.66	74.2	1.70	77.0	1.75	79.2	1.79
		20.3	56.2	1.00	60.8	1.18	66.2	1.39	72.0	1.57	74.2	1.61	77.0	1.64	79.2	1.66
		25.4	56.2	0.98	60.8	1.15	66.2	1.36	72.0	1.52	74.2	1.56	77.0	1.61	79.2	1.63
		30.5	56.2	0.98	60.8	1.14	66.2	1.35	72.0	1.50	74.2	1.54	77.0	1.59	79.2	1.62
	59	8.1	56.2	1.50	60.8	1.75	66.2	2.04	72.0	2.29	74.2	2.35	77.0	2.41	79.2	2.46
		10.2	56.2	1.48	60.8	1.72	66.2	2.01	72.0	2.26	74.2	2.31	77.0	2.37	79.2	2.42
		20.3	56.2	1.36	60.8	1.61	66.2	1.88	72.0	2.11	74.2	2.17	77.0	2.22	79.2	2.26
		25.4	56.2	1.32	60.8	1.57	66.2	1.84	72.0	2.07	74.2	2.12	77.0	2.18	79.2	2.20
		30.5	56.2	1.31	60.8	1.56	66.2	1.82	72.0	2.05	74.2	2.10	77.0	2.16	79.2	2.18
	67	8.1	56.2	1.86	60.8	2.16	66.2	2.52	72.0	2.84	74.2	2.90	77.0	2.97	79.2	3.02
		10.2	56.2	1.82	60.8	2.12	66.2	2.48	72.0	2.79	74.2	2.85	77.0	2.92	79.2	2.98
		20.3	56.2	1.68	60.8	1.99	66.2	2.31	72.0	2.60	74.2	2.67	77.0	2.74	79.2	2.79
		25.4	56.2	1.63	60.8	1.95	66.2	2.27	72.0	2.56	74.2	2.62	77.0	2.68	79.2	2.71
		30.5	56.2	1.60	60.8	1.92	66.2	2.24	72.0	2.54	74.2	2.60	77.0	2.66	79.2	2.67
	75	8.1	56.2	2.27	60.8	2.64	66.2	3.07	72.0	3.46	74.2	3.54	77.0	3.62	79.2	3.70
		10.2	56.2	2.22	60.8	2.59	66.2	3.02	72.0	3.40	74.2	3.48	77.0	3.56	79.2	3.63
		20.3	56.2	2.04	60.8	2.43	66.2	2.83	72.0	3.18	74.2	3.25	77.0	3.34	79.2	3.39
		25.4	56.2	1.99	60.8	2.37	66.2	2.76	72.0	3.12	74.2	3.19	77.0	3.28	79.2	3.31
		30.5	56.2	1.96	60.8	2.35	66.2	2.73	72.0	3.09	74.2	3.16	77.0	3.25	79.2	3.26
	86	8.1	56.2	2.79	60.8	3.24	66.2	3.78	72.0	4.26	74.2	4.36	77.0	4.46	79.2	4.54
		10.2	56.2	2.74	60.8	3.19	66.2	3.71	72.0	4.19	74.2	4.28	77.0	4.39	79.2	4.47
		20.3	56.2	2.51	60.8	2.98	66.2	3.47	72.0	3.91	74.2	4.00	77.0	4.11	79.2	4.18
		25.4	56.2	2.44	60.8	2.91	66.2	3.40	72.0	3.83	74.2	3.93	77.0	4.03	79.2	4.07
		30.5	56.2	2.41	60.8	2.88	66.2	3.37	72.0	3.79	74.2	3.89	77.0	3.99	79.2	4.02
	95	8.1	53.4	2.95	57.8	3.42	62.9	3.98	68.4	4.49	70.5	4.60	73.2	4.70	75.2	4.79
		10.2	53.4	2.89	57.8	3.37	62.9	3.92	68.4	4.42	70.5	4.52	73.2	4.63	75.2	4.71
		20.3	53.4	2.66	57.8	3.15	62.9	3.66	68.4	4.12	70.5	4.23	73.2	4.34	75.2	4.41
		25.4	53.4	2.58	57.8	3.08	62.9	3.59	68.4	4.04	70.5	4.15	73.2	4.26	75.2	4.29
		30.5	53.4	2.54	57.8	3.05	62.9	3.55	68.4	4.00	70.5	4.11	73.2	4.22	75.2	4.23
	104	8.1	50.5	3.30	54.7	3.84	59.6	4.47	64.8	5.03	66.7	5.16	69.3	5.28	71.3	5.37
		10.2	50.5	3.23	54.7	3.78	59.6	4.40	64.8	4.95	66.7	5.07	69.3	5.20	71.3	5.29
		20.3	50.5	2.98	54.7	3.53	59.6	4.11	64.8	4.63	66.7	4.74	69.3	4.86	71.3	4.95
		25.4	50.5	2.90	54.7	3.46	59.6	4.03	64.8	4.54	66.7	4.66	69.3	4.77	71.3	4.82
		30.5	50.5	2.86	54.7	3.42	59.6	3.98	64.8	4.50	66.7	4.62	69.3	4.73	71.3	4.75
	113	8.1	47.6	3.65	51.6	4.26	56.3	4.96	61.2	5.57	62.9	5.72	65.4	5.86	67.4	5.96
		10.2	47.6	3.58	51.6	4.19	56.3	4.88	61.2	5.48	62.9	5.63	65.4	5.77	67.4	5.87
		20.3	47.6	3.30	51.6	3.91	56.3	4.57	61.2	5.14	62.9	5.24	65.4	5.39	67.4	5.49
		25.4	47.6	3.22	51.6	3.83	56.3	4.46	61.2	5.04	62.9	5.16	65.4	5.29	67.4	5.34
		30.5	47.6	3.18	51.6	3.79	56.3	4.41	61.2	4.99	62.9	5.12	65.4	5.24	67.4	5.27
90	23	5.3	50.5	0.96	54.7	1.11	59.6	1.28	64.8	1.46	66.7	1.49	69.3	1.54	71.3	1.57
	32	6.0	50.5	0.96	54.7	1.11	59.6	1.28	64.8	1.46	66.7	1.49	69.3	1.54	71.3	1.57
	41	6.9	50.5	0.96	54.7	1.11	59.6	1.28	64.8	1.46	66.7	1.49	69.3	1.54	71.3	1.57
	50	8.1	50.5	0.96	54.7	1.11	59.6	1.28	64.8	1.46	66.7	1.49	69.3	1.54	71.3	1.57
		10.2	50.5	0.94	54.7	1.09	59.6	1.26	64.8	1.44	66.7	1.47	69.3	1.51	71.3	1.54
		20.3	50.5	0.87	54.7	1.03	59.6	1.20	64.8	1.35	66.7	1.38	69.3	1.41	71.3	1.44
		25.4	50.5	0.84	54.7	1.01	59.6	1.16	64.8	1.32	66.7	1.35	69.3	1.39	71.3	1.39
		30.5	50.5	0.82	54.7	1.00	59.6	1.14	64.8	1.30	66.7	1.34	69.3	1.37	71.3	1.37

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	8.1	50.5	1.30	54.7	1.51	59.6	1.75	64.8	1.98	66.7	2.02	69.3	2.08	71.3	2.11
		10.2	50.5	1.27	54.7	1.48	59.6	1.72	64.8	1.95	66.7	1.99	69.3	2.04	71.3	2.08
		20.3	50.5	1.17	54.7	1.39	59.6	1.62	64.8	1.82	66.7	1.87	69.3	1.91	71.3	1.95
		25.4	50.5	1.14	54.7	1.36	59.6	1.58	64.8	1.79	66.7	1.83	69.3	1.88	71.3	1.89
		30.5	50.5	1.12	54.7	1.35	59.6	1.56	64.8	1.77	66.7	1.81	69.3	1.86	71.3	1.87
	67	8.1	50.5	1.60	54.7	1.86	59.6	2.17	64.8	2.44	66.7	2.49	69.3	2.56	71.3	2.60
		10.2	50.5	1.56	54.7	1.83	59.6	2.13	64.8	2.40	66.7	2.45	69.3	2.51	71.3	2.56
		20.3	50.5	1.44	54.7	1.71	59.6	1.99	64.8	2.24	66.7	2.30	69.3	2.35	71.3	2.40
		25.4	50.5	1.40	54.7	1.67	59.6	1.96	64.8	2.20	66.7	2.26	69.3	2.31	71.3	2.34
		30.5	50.5	1.39	54.7	1.65	59.6	1.94	64.8	2.19	66.7	2.24	69.3	2.29	71.3	2.31
	75	8.1	50.5	1.95	54.7	2.27	59.6	2.64	64.8	2.97	66.7	3.04	69.3	3.12	71.3	3.18
		10.2	50.5	1.91	54.7	2.23	59.6	2.59	64.8	2.92	66.7	2.99	69.3	3.07	71.3	3.13
		20.3	50.5	1.76	54.7	2.09	59.6	2.43	64.8	2.74	66.7	2.80	69.3	2.87	71.3	2.92
		25.4	50.5	1.71	54.7	2.04	59.6	2.38	64.8	2.68	66.7	2.75	69.3	2.82	71.3	2.85
		30.5	50.5	1.68	54.7	2.02	59.6	2.36	64.8	2.66	66.7	2.72	69.3	2.79	71.3	2.82
	86	8.1	50.5	2.40	54.7	2.79	59.6	3.25	64.8	3.66	66.7	3.75	69.3	3.84	71.3	3.91
		10.2	50.5	2.35	54.7	2.75	59.6	3.20	64.8	3.60	66.7	3.69	69.3	3.78	71.3	3.85
		20.3	50.5	2.16	54.7	2.57	59.6	2.99	64.8	3.37	66.7	3.45	69.3	3.54	71.3	3.60
		25.4	50.5	2.11	54.7	2.51	59.6	2.92	64.8	3.30	66.7	3.39	69.3	3.47	71.3	3.50
		30.5	50.5	2.08	54.7	2.49	59.6	2.89	64.8	3.26	66.7	3.35	69.3	3.43	71.3	3.45
	95	8.1	49.1	2.59	53.2	3.01	58.0	3.50	63.0	3.95	64.9	4.04	67.4	4.14	69.3	4.22
		10.2	49.1	2.54	53.2	2.96	58.0	3.45	63.0	3.88	64.9	3.97	67.4	4.07	69.3	4.15
		20.3	49.1	2.34	53.2	2.77	58.0	3.23	63.0	3.63	64.9	3.71	67.4	3.81	69.3	3.88
		25.4	49.1	2.27	53.2	2.71	58.0	3.15	63.0	3.56	64.9	3.65	67.4	3.74	69.3	3.78
		30.5	49.1	2.23	53.2	2.68	58.0	3.12	63.0	3.53	64.9	3.62	67.4	3.71	69.3	3.72
	104	8.1	47.7	2.97	51.7	3.46	56.3	4.03	61.2	4.54	63.0	4.64	65.5	4.76	67.3	4.84
		10.2	47.7	2.91	51.7	3.40	56.3	3.96	61.2	4.46	63.0	4.57	65.5	4.68	67.3	4.76
		20.3	47.7	2.68	51.7	3.18	56.3	3.71	61.2	4.17	63.0	4.27	65.5	4.38	67.3	4.46
		25.4	47.7	2.60	51.7	3.11	56.3	3.63	61.2	4.09	63.0	4.19	65.5	4.30	67.3	4.35
		30.5	47.7	2.56	51.7	3.07	56.3	3.59	61.2	4.05	63.0	4.15	65.5	4.26	67.3	4.29
	113	8.1	46.3	3.35	50.2	3.91	54.6	4.55	59.4	5.12	61.1	5.25	63.6	5.38	65.3	5.46
		10.2	46.3	3.29	50.2	3.85	54.6	4.48	59.4	5.04	61.1	5.16	63.6	5.30	65.3	5.38
		20.3	46.3	3.03	50.2	3.59	54.6	4.19	59.4	4.70	61.1	4.83	63.6	4.95	65.3	5.04
		25.4	46.3	2.94	50.2	3.51	54.6	4.10	59.4	4.61	61.1	4.74	63.6	4.86	65.3	4.91
		30.5	46.3	2.90	50.2	3.47	54.6	4.05	59.4	4.57	61.1	4.69	63.6	4.82	65.3	4.85
80	23	5.3	44.9	0.80	48.7	0.93	53.0	1.09	57.6	1.24	59.3	1.25	61.6	1.30	63.4	1.30
	32	6.0	44.9	0.80	48.7	0.93	53.0	1.09	57.6	1.24	59.3	1.25	61.6	1.30	63.4	1.30
	41	6.9	44.9	0.80	48.7	0.93	53.0	1.09	57.6	1.24	59.3	1.25	61.6	1.30	63.4	1.30
	50	8.1	44.9	0.80	48.7	0.93	53.0	1.09	57.6	1.24	59.3	1.25	61.6	1.30	63.4	1.30
		10.2	44.9	0.79	48.7	0.91	53.0	1.07	57.6	1.22	59.3	1.23	61.6	1.28	63.4	1.28
		20.3	44.9	0.72	48.7	0.86	53.0	0.99	57.6	1.13	59.3	1.15	61.6	1.18	63.4	1.20
		25.4	44.9	0.70	48.7	0.84	53.0	0.97	57.6	1.09	59.3	1.12	61.6	1.16	63.4	1.18
		30.5	44.9	0.69	48.7	0.82	53.0	0.97	57.6	1.08	59.3	1.10	61.6	1.15	63.4	1.17
	59	8.1	44.9	1.09	48.7	1.26	53.0	1.47	57.6	1.66	59.3	1.70	61.6	1.74	63.4	1.77
		10.2	44.9	1.07	48.7	1.24	53.0	1.45	57.6	1.64	59.3	1.67	61.6	1.72	63.4	1.74
		20.3	44.9	0.98	48.7	1.16	53.0	1.35	57.6	1.53	59.3	1.56	61.6	1.60	63.4	1.63
		25.4	44.9	0.95	48.7	1.14	53.0	1.32	57.6	1.49	59.3	1.53	61.6	1.57	63.4	1.59
		30.5	44.9	0.94	48.7	1.12	53.0	1.31	57.6	1.48	59.3	1.51	61.6	1.56	63.4	1.57
	67	8.1	44.9	1.34	48.7	1.56	53.0	1.82	57.6	2.04	59.3	2.10	61.6	2.14	63.4	2.19
		10.2	44.9	1.32	48.7	1.54	53.0	1.79	57.6	2.01	59.3	2.06	61.6	2.11	63.4	2.15
		20.3	44.9	1.21	48.7	1.43	53.0	1.67	57.6	1.88	59.3	1.93	61.6	1.97	63.4	2.01
		25.4	44.9	1.17	48.7	1.40	53.0	1.64	57.6	1.85	59.3	1.89	61.6	1.94	63.4	1.96
		30.5	44.9	1.16	48.7	1.39	53.0	1.62	57.6	1.83	59.3	1.88	61.6	1.92	63.4	1.93
	75	8.1	44.9	1.63	48.7	1.90	53.0	2.21	57.6	2.49	59.3	2.56	61.6	2.62	63.4	2.66
		10.2	44.9	1.60	48.7	1.87	53.0	2.18	57.6	2.45	59.3	2.51	61.6	2.58	63.4	2.62
		20.3	44.9	1.48	48.7	1.75	53.0	2.03	57.6	2.29	59.3	2.35	61.6	2.41	63.4	2.45
		25.4	44.9	1.43	48.7	1.72	53.0	2.00	57.6	2.25	59.3	2.30	61.6	2.36	63.4	2.39
		30.5	44.9	1.41	48.7	1.70	53.0	1.98	57.6	2.23	59.3	2.28	61.6	2.34	63.4	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	8.1	44.9	2.01	48.7	2.34	53.0	2.73	57.6	3.07	59.3	3.14	61.6	3.22	63.4	3.28
		10.2	44.9	1.97	48.7	2.30	53.0	2.68	57.6	3.02	59.3	3.09	61.6	3.16	63.4	3.23
		20.3	44.9	1.81	48.7	2.15	53.0	2.51	57.6	2.82	59.3	2.89	61.6	2.96	63.4	3.01
		25.4	44.9	1.76	48.7	2.11	53.0	2.45	57.6	2.76	59.3	2.83	61.6	2.91	63.4	2.93
		30.5	44.9	1.73	48.7	2.08	53.0	2.43	57.6	2.74	59.3	2.81	61.6	2.88	63.4	2.89
	95	8.1	44.9	2.24	48.7	2.60	53.0	3.03	57.6	3.40	59.3	3.49	61.6	3.58	63.4	3.64
		10.2	44.9	2.19	48.7	2.56	53.0	2.98	57.6	3.35	59.3	3.43	61.6	3.52	63.4	3.58
		20.3	44.9	2.02	48.7	2.39	53.0	2.78	57.6	3.14	59.3	3.21	61.6	3.29	63.4	3.35
		25.4	44.9	1.96	48.7	2.34	53.0	2.73	57.6	3.07	59.3	3.15	61.6	3.23	63.4	3.26
		30.5	44.9	1.94	48.7	2.31	53.0	2.70	57.6	3.04	59.3	3.11	61.6	3.21	63.4	3.22
	104	8.1	44.9	2.65	48.7	3.08	53.0	3.59	57.6	4.04	59.3	4.13	61.6	4.24	63.4	4.31
		10.2	44.9	2.59	48.7	3.03	53.0	3.53	57.6	3.97	59.3	4.06	61.6	4.17	63.4	4.24
		20.3	44.9	2.39	48.7	2.83	53.0	3.30	57.6	3.71	59.3	3.80	61.6	3.90	63.4	3.97
		25.4	44.9	2.32	48.7	2.77	53.0	3.23	57.6	3.64	59.3	3.73	61.6	3.82	63.4	3.87
		30.5	44.9	2.28	48.7	2.75	53.0	3.19	57.6	3.61	59.3	3.70	61.6	3.78	63.4	3.81
	113	8.1	44.9	3.05	48.7	3.56	53.0	4.15	57.6	4.67	59.3	4.77	61.6	4.89	63.4	4.97
		10.2	44.9	2.99	48.7	3.50	53.0	4.08	57.6	4.59	59.3	4.69	61.6	4.82	63.4	4.90
		20.3	44.9	2.76	48.7	3.26	53.0	3.81	57.6	4.29	59.3	4.40	61.6	4.51	63.4	4.59
		25.4	44.9	2.67	48.7	3.21	53.0	3.72	57.6	4.21	59.3	4.32	61.6	4.41	63.4	4.47
		30.5	44.9	2.63	48.7	3.18	53.0	3.68	57.6	4.17	59.3	4.28	61.6	4.35	63.4	4.41
70	23	5.3	39.3	0.67	42.6	0.77	46.4	0.91	50.4	1.03	51.9	1.03	53.9	1.07	55.4	1.08
	32	6.0	39.3	0.67	42.6	0.77	46.4	0.91	50.4	1.03	51.9	1.03	53.9	1.07	55.4	1.08
	41	6.9	39.3	0.67	42.6	0.77	46.4	0.91	50.4	1.03	51.9	1.03	53.9	1.07	55.4	1.08
	50	8.1	39.3	0.67	42.6	0.77	46.4	0.91	50.4	1.03	51.9	1.03	53.9	1.07	55.4	1.08
		10.2	39.3	0.66	42.6	0.76	46.4	0.90	50.4	1.01	51.9	1.02	53.9	1.05	55.4	1.07
		20.3	39.3	0.61	42.6	0.72	46.4	0.84	50.4	0.94	51.9	0.96	53.9	0.98	55.4	1.01
		25.4	39.3	0.58	42.6	0.69	46.4	0.81	50.4	0.91	51.9	0.93	53.9	0.97	55.4	0.98
		30.5	39.3	0.57	42.6	0.68	46.4	0.80	50.4	0.90	51.9	0.92	53.9	0.96	55.4	0.97
	59	8.1	39.3	0.91	42.6	1.05	46.4	1.23	50.4	1.38	51.9	1.41	53.9	1.44	55.4	1.47
		10.2	39.3	0.89	42.6	1.03	46.4	1.21	50.4	1.36	51.9	1.39	53.9	1.42	55.4	1.45
		20.3	39.3	0.82	42.6	0.97	46.4	1.13	50.4	1.27	51.9	1.30	53.9	1.33	55.4	1.36
		25.4	39.3	0.79	42.6	0.94	46.4	1.10	50.4	1.24	51.9	1.27	53.9	1.31	55.4	1.32
		30.5	39.3	0.78	42.6	0.93	46.4	1.09	50.4	1.23	51.9	1.26	53.9	1.29	55.4	1.31
	67	8.1	39.3	1.12	42.6	1.29	46.4	1.51	50.4	1.70	51.9	1.74	53.9	1.78	55.4	1.82
		10.2	39.3	1.09	42.6	1.27	46.4	1.48	50.4	1.67	51.9	1.72	53.9	1.75	55.4	1.79
		20.3	39.3	1.00	42.6	1.19	46.4	1.39	50.4	1.56	51.9	1.60	53.9	1.64	55.4	1.67
		25.4	39.3	0.98	42.6	1.16	46.4	1.36	50.4	1.54	51.9	1.57	53.9	1.61	55.4	1.63
		30.5	39.3	0.96	42.6	1.15	46.4	1.35	50.4	1.52	51.9	1.56	53.9	1.59	55.4	1.60
	75	8.1	39.3	1.36	42.6	1.58	46.4	1.84	50.4	2.08	51.9	2.12	53.9	2.18	55.4	2.21
		10.2	39.3	1.33	42.6	1.56	46.4	1.81	50.4	2.04	51.9	2.09	53.9	2.14	55.4	2.18
		20.3	39.3	1.23	42.6	1.46	46.4	1.70	50.4	1.91	51.9	1.96	53.9	2.00	55.4	2.03
		25.4	39.3	1.19	42.6	1.42	46.4	1.66	50.4	1.87	51.9	1.92	53.9	1.96	55.4	1.98
		30.5	39.3	1.17	42.6	1.40	46.4	1.64	50.4	1.84	51.9	1.90	53.9	1.95	55.4	1.96
	86	8.1	39.3	1.68	42.6	1.94	46.4	2.27	50.4	2.55	51.9	2.61	53.9	2.67	55.4	2.72
		10.2	39.3	1.64	42.6	1.91	46.4	2.23	50.4	2.51	51.9	2.57	53.9	2.63	55.4	2.67
		20.3	39.3	1.51	42.6	1.79	46.4	2.08	50.4	2.35	51.9	2.40	53.9	2.46	55.4	2.51
		25.4	39.3	1.47	42.6	1.75	46.4	2.04	50.4	2.30	51.9	2.35	53.9	2.42	55.4	2.44
		30.5	39.3	1.44	42.6	1.73	46.4	2.03	50.4	2.28	51.9	2.33	53.9	2.39	55.4	2.41
	95	8.1	39.3	1.86	42.6	2.16	46.4	2.52	50.4	2.84	51.9	2.90	53.9	2.97	55.4	3.02
		10.2	39.3	1.82	42.6	2.12	46.4	2.48	50.4	2.79	51.9	2.85	53.9	2.92	55.4	2.98
		20.3	39.3	1.68	42.6	1.99	46.4	2.31	50.4	2.60	51.9	2.67	53.9	2.74	55.4	2.79
		25.4	39.3	1.63	42.6	1.95	46.4	2.27	50.4	2.56	51.9	2.62	53.9	2.68	55.4	2.71
		30.5	39.3	1.60	42.6	1.92	46.4	2.24	50.4	2.54	51.9	2.60	53.9	2.66	55.4	2.67
	104	8.1	39.3	2.20	42.6	2.56	46.4	2.98	50.4	3.35	51.9	3.43	53.9	3.52	55.4	3.59
		10.2	39.3	2.16	42.6	2.51	46.4	2.93	50.4	3.30	51.9	3.38	53.9	3.47	55.4	3.53
		20.3	39.3	1.98	42.6	2.35	46.4	2.74	50.4	3.08	51.9	3.16	53.9	3.24	55.4	3.30
		25.4	39.3	1.93	42.6	2.30	46.4	2.68	50.4	3.03	51.9	3.10	53.9	3.18	55.4	3.22
		30.5	39.3	1.90	42.6	2.28	46.4	2.66	50.4	3.00	51.9	3.07	53.9	3.15	55.4	3.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	8.1	39.3	2.55	42.6	2.95	46.4	3.44	50.4	3.86	51.9	3.96	53.9	4.07	55.4	4.15
		10.2	39.3	2.50	42.6	2.91	46.4	3.39	50.4	3.80	51.9	3.90	53.9	4.01	55.4	4.08
		20.3	39.3	2.28	42.6	2.72	46.4	3.16	50.4	3.56	51.9	3.66	53.9	3.75	55.4	3.80
		25.4	39.3	2.23	42.6	2.66	46.4	3.10	50.4	3.50	51.9	3.58	53.9	3.68	55.4	3.72
		30.5	39.3	2.20	42.6	2.63	46.4	3.07	50.4	3.47	51.9	3.54	53.9	3.64	55.4	3.68
60	23	5.3	33.7	0.54	36.5	0.63	39.7	0.72	43.2	0.82	44.5	0.84	46.2	0.87	47.5	0.87
	32	6.0	33.7	0.54	36.5	0.63	39.7	0.72	43.2	0.82	44.5	0.84	46.2	0.87	47.5	0.87
	41	6.9	33.7	0.54	36.5	0.63	39.7	0.72	43.2	0.82	44.5	0.84	46.2	0.87	47.5	0.87
	50	8.1	33.7	0.54	36.5	0.63	39.7	0.72	43.2	0.82	44.5	0.84	46.2	0.87	47.5	0.87
		10.2	33.7	0.53	36.5	0.62	39.7	0.71	43.2	0.80	44.5	0.82	46.2	0.85	47.5	0.86
		20.3	33.7	0.48	36.5	0.57	39.7	0.66	43.2	0.75	44.5	0.75	46.2	0.78	47.5	0.80
		25.4	33.7	0.46	36.5	0.56	39.7	0.65	43.2	0.74	44.5	0.74	46.2	0.76	47.5	0.77
		30.5	33.7	0.45	36.5	0.55	39.7	0.65	43.2	0.73	44.5	0.74	46.2	0.75	47.5	0.75
	59	8.1	33.7	0.73	36.5	0.84	39.7	0.98	43.2	1.10	44.5	1.13	46.2	1.16	47.5	1.17
		10.2	33.7	0.71	36.5	0.83	39.7	0.96	43.2	1.08	44.5	1.11	46.2	1.14	47.5	1.16
		20.3	33.7	0.65	36.5	0.77	39.7	0.90	43.2	1.01	44.5	1.03	46.2	1.06	47.5	1.08
		25.4	33.7	0.63	36.5	0.76	39.7	0.88	43.2	1.00	44.5	1.01	46.2	1.04	47.5	1.05
		30.5	33.7	0.62	36.5	0.75	39.7	0.87	43.2	0.99	44.5	1.00	46.2	1.03	47.5	1.03
	67	8.1	33.7	0.89	36.5	1.03	39.7	1.20	43.2	1.36	44.5	1.39	46.2	1.42	47.5	1.44
		10.2	33.7	0.87	36.5	1.01	39.7	1.18	43.2	1.33	44.5	1.37	46.2	1.40	47.5	1.42
		20.3	33.7	0.80	36.5	0.95	39.7	1.11	43.2	1.24	44.5	1.28	46.2	1.31	47.5	1.33
		25.4	33.7	0.78	36.5	0.93	39.7	1.08	43.2	1.23	44.5	1.25	46.2	1.29	47.5	1.30
		30.5	33.7	0.77	36.5	0.92	39.7	1.07	43.2	1.22	44.5	1.24	46.2	1.28	47.5	1.28
	75	8.1	33.7	1.09	36.5	1.26	39.7	1.46	43.2	1.65	44.5	1.69	46.2	1.73	47.5	1.76
		10.2	33.7	1.07	36.5	1.24	39.7	1.44	43.2	1.63	44.5	1.66	46.2	1.71	47.5	1.73
		20.3	33.7	0.98	36.5	1.16	39.7	1.35	43.2	1.52	44.5	1.56	46.2	1.60	47.5	1.63
		25.4	33.7	0.95	36.5	1.14	39.7	1.32	43.2	1.49	44.5	1.53	46.2	1.56	47.5	1.58
		30.5	33.7	0.94	36.5	1.13	39.7	1.31	43.2	1.48	44.5	1.52	46.2	1.55	47.5	1.56
	86	8.1	33.7	1.33	36.5	1.56	39.7	1.81	43.2	2.03	44.5	2.08	46.2	2.13	47.5	2.17
		10.2	33.7	1.31	36.5	1.53	39.7	1.78	43.2	2.00	44.5	2.04	46.2	2.10	47.5	2.13
		20.3	33.7	1.20	36.5	1.42	39.7	1.66	43.2	1.87	44.5	1.91	46.2	1.96	47.5	2.00
		25.4	33.7	1.17	36.5	1.40	39.7	1.63	43.2	1.83	44.5	1.88	46.2	1.93	47.5	1.95
		30.5	33.7	1.16	36.5	1.38	39.7	1.61	43.2	1.81	44.5	1.86	46.2	1.91	47.5	1.92
	95	8.1	33.7	1.48	36.5	1.73	39.7	2.00	43.2	2.26	44.5	2.31	46.2	2.36	47.5	2.41
		10.2	33.7	1.45	36.5	1.70	39.7	1.97	43.2	2.22	44.5	2.27	46.2	2.33	47.5	2.37
		20.3	33.7	1.33	36.5	1.58	39.7	1.85	43.2	2.08	44.5	2.12	46.2	2.19	47.5	2.22
		25.4	33.7	1.30	36.5	1.55	39.7	1.80	43.2	2.03	44.5	2.09	46.2	2.14	47.5	2.16
		30.5	33.7	1.28	36.5	1.53	39.7	1.78	43.2	2.01	44.5	2.07	46.2	2.12	47.5	2.13
	104	8.1	33.7	1.76	36.5	2.04	39.7	2.38	43.2	2.67	44.5	2.74	46.2	2.81	47.5	2.85
		10.2	33.7	1.72	36.5	2.01	39.7	2.34	43.2	2.63	44.5	2.69	46.2	2.76	47.5	2.81
		20.3	33.7	1.58	36.5	1.88	39.7	2.19	43.2	2.46	44.5	2.51	46.2	2.59	47.5	2.63
		25.4	33.7	1.54	36.5	1.84	39.7	2.14	43.2	2.41	44.5	2.47	46.2	2.53	47.5	2.56
		30.5	33.7	1.52	36.5	1.82	39.7	2.12	43.2	2.38	44.5	2.45	46.2	2.51	47.5	2.52
	113	8.1	33.7	2.04	36.5	2.36	39.7	2.75	43.2	3.09	44.5	3.16	46.2	3.25	47.5	3.30
		10.2	33.7	2.00	36.5	2.32	39.7	2.70	43.2	3.04	44.5	3.11	46.2	3.20	47.5	3.24
		20.3	33.7	1.83	36.5	2.17	39.7	2.52	43.2	2.84	44.5	2.91	46.2	2.99	47.5	3.04
		25.4	33.7	1.78	36.5	2.13	39.7	2.48	43.2	2.78	44.5	2.85	46.2	2.92	47.5	2.96
		30.5	33.7	1.75	36.5	2.12	39.7	2.46	43.2	2.75	44.5	2.83	46.2	2.89	47.5	2.92
50	23	5.3	28.1	0.39	30.4	0.46	33.1	0.55	36.0	0.61	37.1	0.61	38.5	0.64	39.6	0.65
	32	6.0	28.1	0.39	30.4	0.46	33.1	0.55	36.0	0.61	37.1	0.61	38.5	0.64	39.6	0.65
	41	6.9	28.1	0.39	30.4	0.46	33.1	0.55	36.0	0.61	37.1	0.61	38.5	0.64	39.6	0.65
	50	8.1	28.1	0.39	30.4	0.46	33.1	0.55	36.0	0.61	37.1	0.61	38.5	0.64	39.6	0.65
		10.2	28.1	0.38	30.4	0.45	33.1	0.54	36.0	0.60	37.1	0.61	38.5	0.62	39.6	0.64
		20.3	28.1	0.37	30.4	0.43	33.1	0.49	36.0	0.56	37.1	0.57	38.5	0.58	39.6	0.60
		25.4	28.1	0.35	30.4	0.41	33.1	0.49	36.0	0.54	37.1	0.56	38.5	0.56	39.6	0.57
		30.5	28.1	0.34	30.4	0.40	33.1	0.49	36.0	0.53	37.1	0.55	38.5	0.55	39.6	0.56
	59	8.1	28.1	0.53	30.4	0.62	33.1	0.73	36.0	0.82	37.1	0.84	38.5	0.86	39.6	0.88
		10.2	28.1	0.52	30.4	0.61	33.1	0.72	36.0	0.81	37.1	0.83	38.5	0.84	39.6	0.86
		20.3	28.1	0.49	30.4	0.58	33.1	0.67	36.0	0.76	37.1	0.77	38.5	0.79	39.6	0.81
		25.4	28.1	0.47	30.4	0.56	33.1	0.66	36.0	0.74	37.1	0.76	38.5	0.77	39.6	0.78
		30.5	28.1	0.46	30.4	0.55	33.1	0.65	36.0	0.73	37.1	0.75	38.5	0.76	39.6	0.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	8.1	28.1	0.66	30.4	0.77	33.1	0.89	36.0	1.01	37.1	1.04	38.5	1.06	39.6	1.07
		10.2	28.1	0.65	30.4	0.76	33.1	0.88	36.0	1.00	37.1	1.02	38.5	1.04	39.6	1.06
		20.3	28.1	0.60	30.4	0.71	33.1	0.83	36.0	0.93	37.1	0.95	38.5	0.98	39.6	1.00
		25.4	28.1	0.58	30.4	0.69	33.1	0.81	36.0	0.92	37.1	0.93	38.5	0.96	39.6	0.97
		30.5	28.1	0.57	30.4	0.68	33.1	0.80	36.0	0.91	37.1	0.92	38.5	0.95	39.6	0.96
	75	8.1	28.1	0.81	30.4	0.94	33.1	1.09	36.0	1.23	37.1	1.26	38.5	1.29	39.6	1.32
		10.2	28.1	0.79	30.4	0.92	33.1	1.08	36.0	1.21	37.1	1.24	38.5	1.27	39.6	1.30
		20.3	28.1	0.73	30.4	0.86	33.1	1.00	36.0	1.14	37.1	1.16	38.5	1.19	39.6	1.21
		25.4	28.1	0.71	30.4	0.84	33.1	0.99	36.0	1.11	37.1	1.14	38.5	1.16	39.6	1.18
		30.5	28.1	0.70	30.4	0.84	33.1	0.98	36.0	1.10	37.1	1.12	38.5	1.15	39.6	1.17
	86	8.1	28.1	1.00	30.4	1.16	33.1	1.35	36.0	1.52	37.1	1.55	38.5	1.59	39.6	1.62
		10.2	28.1	0.98	30.4	1.14	33.1	1.32	36.0	1.49	37.1	1.53	38.5	1.56	39.6	1.59
		20.3	28.1	0.90	30.4	1.07	33.1	1.24	36.0	1.40	37.1	1.43	38.5	1.47	39.6	1.49
		25.4	28.1	0.87	30.4	1.04	33.1	1.21	36.0	1.37	37.1	1.40	38.5	1.44	39.6	1.45
		30.5	28.1	0.86	30.4	1.03	33.1	1.20	36.0	1.36	37.1	1.39	38.5	1.43	39.6	1.43
	95	8.1	28.1	1.11	30.4	1.28	33.1	1.50	36.0	1.68	37.1	1.73	38.5	1.77	39.6	1.80
		10.2	28.1	1.08	30.4	1.26	33.1	1.48	36.0	1.65	37.1	1.70	38.5	1.74	39.6	1.77
		20.3	28.1	1.00	30.4	1.18	33.1	1.38	36.0	1.55	37.1	1.58	38.5	1.63	39.6	1.65
		25.4	28.1	0.97	30.4	1.16	33.1	1.35	36.0	1.52	37.1	1.56	38.5	1.60	39.6	1.61
		30.5	28.1	0.96	30.4	1.14	33.1	1.34	36.0	1.51	37.1	1.54	38.5	1.59	39.6	1.59
	104	8.1	28.1	1.30	30.4	1.52	33.1	1.77	36.0	2.00	37.1	2.04	38.5	2.10	39.6	2.13
		10.2	28.1	1.28	30.4	1.49	33.1	1.74	36.0	1.96	37.1	2.01	38.5	2.06	39.6	2.10
		20.3	28.1	1.18	30.4	1.40	33.1	1.63	36.0	1.83	37.1	1.88	38.5	1.93	39.6	1.96
		25.4	28.1	1.15	30.4	1.37	33.1	1.60	36.0	1.80	37.1	1.84	38.5	1.89	39.6	1.91
		30.5	28.1	1.13	30.4	1.36	33.1	1.59	36.0	1.78	37.1	1.82	38.5	1.88	39.6	1.88
	113	8.1	28.1	1.50	30.4	1.75	33.1	2.04	36.0	2.32	37.1	2.36	38.5	2.42	39.6	2.46
		10.2	28.1	1.48	30.4	1.72	33.1	2.01	36.0	2.27	37.1	2.32	38.5	2.38	39.6	2.43
		20.3	28.1	1.37	30.4	1.61	33.1	1.88	36.0	2.11	37.1	2.17	38.5	2.23	39.6	2.27
		25.4	28.1	1.32	30.4	1.58	33.1	1.85	36.0	2.07	37.1	2.12	38.5	2.19	39.6	2.21
		30.5	28.1	1.30	30.4	1.57	33.1	1.84	36.0	2.05	37.1	2.10	38.5	2.16	39.6	2.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	6.7	89.1	1.81	96.6	2.12	105.4	2.47	114.3	2.79	117.7	2.87	122.4	2.92	125.7	2.95
	32	7.5	89.1	1.81	96.6	2.12	105.4	2.47	114.3	2.79	117.7	2.87	122.4	2.92	125.7	2.95
	41	8.7	89.1	1.81	96.6	2.12	105.4	2.47	114.3	2.79	117.7	2.87	122.4	2.92	125.7	2.95
	50	10.2	89.1	1.81	96.6	2.12	105.4	2.47	114.3	2.79	117.7	2.87	122.4	2.92	125.7	2.95
		12.7	89.1	1.78	96.6	2.09	105.4	2.44	114.3	2.74	117.7	2.82	122.4	2.88	125.7	2.91
		25.4	89.1	1.65	96.6	1.96	105.4	2.28	114.3	2.57	117.7	2.61	122.4	2.70	125.7	2.76
		31.8	89.1	1.60	96.6	1.91	105.4	2.23	114.3	2.51	117.7	2.58	122.4	2.64	125.7	2.69
		38.1	89.1	1.58	96.6	1.89	105.4	2.21	114.3	2.48	117.7	2.56	122.4	2.61	125.7	2.65
	59	10.2	87.7	2.40	95.1	2.79	103.6	3.25	112.5	3.66	115.9	3.75	120.4	3.83	123.7	3.89
		12.7	87.7	2.35	95.1	2.74	103.6	3.20	112.5	3.60	115.9	3.69	120.4	3.77	123.7	3.84
		25.4	87.7	2.16	95.1	2.57	103.6	2.99	112.5	3.37	115.9	3.44	120.4	3.54	123.7	3.61
		31.8	87.7	2.10	95.1	2.51	103.6	2.93	112.5	3.30	115.9	3.38	120.4	3.47	123.7	3.53
		38.1	87.7	2.07	95.1	2.48	103.6	2.90	112.5	3.26	115.9	3.35	120.4	3.43	123.7	3.49
	67	10.2	86.5	2.91	93.7	3.37	102.0	3.94	110.9	4.44	114.3	4.53	118.7	4.65	122.0	4.73
		12.7	86.5	2.85	93.7	3.32	102.0	3.87	110.9	4.36	114.3	4.46	118.7	4.57	122.0	4.66
		25.4	86.5	2.62	93.7	3.11	102.0	3.61	110.9	4.08	114.3	4.18	118.7	4.29	122.0	4.38
		31.8	86.5	2.55	93.7	3.04	102.0	3.54	110.9	4.00	114.3	4.09	118.7	4.21	122.0	4.28
		38.1	86.5	2.51	93.7	3.00	102.0	3.50	110.9	3.95	114.3	4.05	118.7	4.16	122.0	4.23
	75	10.2	86.5	3.59	93.7	4.16	102.0	4.85	110.9	5.46	114.3	5.60	118.7	5.73	122.0	5.83
		12.7	86.5	3.52	93.7	4.09	102.0	4.77	110.9	5.37	114.3	5.51	118.7	5.64	122.0	5.74
		25.4	86.5	3.23	93.7	3.84	102.0	4.46	110.9	5.03	114.3	5.15	118.7	5.29	122.0	5.40
		31.8	86.5	3.15	93.7	3.75	102.0	4.38	110.9	4.93	114.3	5.05	118.7	5.19	122.0	5.27
		38.1	86.5	3.10	93.7	3.71	102.0	4.33	110.9	4.88	114.3	5.00	118.7	5.14	122.0	5.21
	86	10.2	86.5	4.30	93.7	5.00	102.0	5.82	110.9	6.56	114.3	6.71	118.7	6.88	122.0	6.99
		12.7	86.5	4.22	93.7	4.92	102.0	5.73	110.9	6.46	114.3	6.60	118.7	6.77	122.0	6.89
		25.4	86.5	3.87	93.7	4.60	102.0	5.36	110.9	6.04	114.3	6.18	118.7	6.34	122.0	6.48
		31.8	86.5	3.77	93.7	4.50	102.0	5.25	110.9	5.91	114.3	6.07	118.7	6.22	122.0	6.33
		38.1	86.5	3.73	93.7	4.45	102.0	5.20	110.9	5.85	114.3	6.02	118.7	6.16	122.0	6.26
	95	10.2	77.9	4.35	84.3	5.06	91.9	5.88	99.9	6.64	102.8	6.78	106.8	6.96	109.7	7.08
		12.7	77.9	4.27	84.3	4.98	91.9	5.79	99.9	6.53	102.8	6.68	106.8	6.85	109.7	6.97
		25.4	77.9	3.92	84.3	4.65	91.9	5.42	99.9	6.10	102.8	6.26	106.8	6.42	109.7	6.54
		31.8	77.9	3.81	84.3	4.55	91.9	5.31	99.9	5.98	102.8	6.14	106.8	6.30	109.7	6.41
		38.1	77.9	3.76	84.3	4.50	91.9	5.26	99.9	5.91	102.8	6.07	106.8	6.23	109.7	6.34
	104	10.2	69.2	4.59	74.9	5.34	81.6	6.21	88.7	7.00	91.3	7.16	94.9	7.33	97.6	7.46
		12.7	69.2	4.50	74.9	5.25	81.6	6.11	88.7	6.89	91.3	7.05	94.9	7.22	97.6	7.35
		25.4	69.2	4.13	74.9	4.91	81.6	5.72	88.7	6.43	91.3	6.59	94.9	6.77	97.6	6.91
		31.8	69.2	4.02	74.9	4.80	81.6	5.59	88.7	6.31	91.3	6.47	94.9	6.64	97.6	6.75
		38.1	69.2	3.97	74.9	4.74	81.6	5.53	88.7	6.25	91.3	6.41	94.9	6.57	97.6	6.67
	113	10.2	60.5	4.83	65.6	5.61	71.3	6.54	77.5	7.36	79.9	7.54	83.1	7.70	85.5	7.85
		12.7	60.5	4.73	65.6	5.52	71.3	6.43	77.5	7.24	79.9	7.41	83.1	7.59	85.5	7.73
		25.4	60.5	4.34	65.6	5.16	71.3	6.01	77.5	6.76	79.9	6.92	83.1	7.13	85.5	7.28
		31.8	60.5	4.23	65.6	5.04	71.3	5.88	77.5	6.64	79.9	6.80	83.1	6.98	85.5	7.09
		38.1	60.5	4.17	65.6	4.98	71.3	5.81	77.5	6.58	79.9	6.74	83.1	6.91	85.5	7.00
120	23	6.7	84.4	1.73	91.5	2.00	99.5	2.36	108.3	2.64	111.6	2.72	115.9	2.77	119.1	2.83
	32	7.5	84.4	1.73	91.5	2.00	99.5	2.36	108.3	2.64	111.6	2.72	115.9	2.77	119.1	2.83
	41	8.7	84.4	1.73	91.5	2.00	99.5	2.36	108.3	2.64	111.6	2.72	115.9	2.77	119.1	2.83
	50	10.2	84.4	1.73	91.5	2.00	99.5	2.36	108.3	2.64	111.6	2.72	115.9	2.77	119.1	2.83
		12.7	84.4	1.70	91.5	1.97	99.5	2.31	108.3	2.60	111.6	2.67	115.9	2.73	119.1	2.78
		25.4	84.4	1.55	91.5	1.84	99.5	2.15	108.3	2.43	111.6	2.48	115.9	2.55	119.1	2.59
		31.8	84.4	1.53	91.5	1.80	99.5	2.13	108.3	2.39	111.6	2.43	115.9	2.50	119.1	2.54
		38.1	84.4	1.52	91.5	1.79	99.5	2.11	108.3	2.36	111.6	2.41	115.9	2.48	119.1	2.52
	59	10.2	83.5	2.30	90.4	2.66	98.4	3.11	107.1	3.50	110.3	3.59	114.5	3.67	117.7	3.74
		12.7	83.5	2.25	90.4	2.62	98.4	3.06	107.1	3.44	110.3	3.53	114.5	3.61	117.7	3.68
		25.4	83.5	2.07	90.4	2.45	98.4	2.85	107.1	3.22	110.3	3.30	114.5	3.38	117.7	3.44
		31.8	83.5	2.02	90.4	2.40	98.4	2.80	107.1	3.16	110.3	3.23	114.5	3.32	117.7	3.37
		38.1	83.5	1.99	90.4	2.37	98.4	2.78	107.1	3.13	110.3	3.20	114.5	3.29	117.7	3.33
	67	10.2	82.7	2.80	89.5	3.25	97.5	3.79	106.0	4.26	109.1	4.36	113.3	4.47	116.5	4.54
		12.7	82.7	2.74	89.5	3.20	97.5	3.73	106.0	4.19	109.1	4.29	113.3	4.40	116.5	4.48
		25.4	82.7	2.52	89.5	2.99	97.5	3.48	106.0	3.92	109.1	4.02	113.3	4.12	116.5	4.21
		31.8	82.7	2.45	89.5	2.93	97.5	3.41	106.0	3.85	109.1	3.95	113.3	4.05	116.5	4.11
		38.1	82.7	2.41	89.5	2.90	97.5	3.37	106.0	3.81	109.1	3.91	113.3	4.01	116.5	4.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	10.2	82.7	3.44	89.5	3.98	97.5	4.65	106.0	5.24	109.1	5.36	113.3	5.50	116.5	5.60
		12.7	82.7	3.37	89.5	3.92	97.5	4.57	106.0	5.15	109.1	5.27	113.3	5.41	116.5	5.51
		25.4	82.7	3.10	89.5	3.68	97.5	4.28	106.0	4.82	109.1	4.93	113.3	5.07	116.5	5.16
		31.8	82.7	3.01	89.5	3.59	97.5	4.19	106.0	4.72	109.1	4.84	113.3	4.97	116.5	5.04
		38.1	82.7	2.97	89.5	3.55	97.5	4.15	106.0	4.67	109.1	4.80	113.3	4.92	116.5	4.98
	86	10.2	82.7	4.15	89.5	4.82	97.5	5.62	106.0	6.34	109.1	6.49	113.3	6.65	116.5	6.75
		12.7	82.7	4.07	89.5	4.75	97.5	5.53	106.0	6.23	109.1	6.38	113.3	6.54	116.5	6.65
		25.4	82.7	3.75	89.5	4.44	97.5	5.18	106.0	5.83	109.1	5.96	113.3	6.12	116.5	6.25
		31.8	82.7	3.64	89.5	4.34	97.5	5.07	106.0	5.71	109.1	5.85	113.3	6.01	116.5	6.10
		38.1	82.7	3.58	89.5	4.29	97.5	5.01	106.0	5.64	109.1	5.80	113.3	5.96	116.5	6.03
	95	10.2	75.6	4.25	81.9	4.95	89.2	5.76	96.9	6.48	99.9	6.65	103.7	6.81	106.7	6.93
		12.7	75.6	4.17	81.9	4.87	89.2	5.67	96.9	6.38	99.9	6.54	103.7	6.70	106.7	6.82
		25.4	75.6	3.84	81.9	4.55	89.2	5.30	96.9	5.98	99.9	6.12	103.7	6.28	106.7	6.39
		31.8	75.6	3.74	81.9	4.45	89.2	5.19	96.9	5.85	99.9	6.00	103.7	6.16	106.7	6.25
		38.1	75.6	3.69	81.9	4.40	89.2	5.13	96.9	5.79	99.9	5.94	103.7	6.10	106.7	6.17
	104	10.2	68.7	4.58	74.3	5.32	80.9	6.20	88.0	6.98	90.5	7.15	94.1	7.32	96.8	7.46
		12.7	68.7	4.49	74.3	5.24	80.9	6.10	88.0	6.87	90.5	7.03	94.1	7.21	96.8	7.34
		25.4	68.7	4.13	74.3	4.89	80.9	5.71	88.0	6.43	90.5	6.58	94.1	6.75	96.8	6.89
		31.8	68.7	4.02	74.3	4.80	80.9	5.59	88.0	6.30	90.5	6.46	94.1	6.63	96.8	6.73
		38.1	68.7	3.97	74.3	4.75	80.9	5.54	88.0	6.23	90.5	6.39	94.1	6.57	96.8	6.65
	113	10.2	61.7	4.90	66.7	5.70	72.7	6.63	79.1	7.49	81.2	7.65	84.5	7.83	86.9	7.98
		12.7	61.7	4.81	66.7	5.61	72.7	6.53	79.1	7.36	81.2	7.52	84.5	7.71	86.9	7.86
		25.4	61.7	4.43	66.7	5.24	72.7	6.11	79.1	6.89	81.2	7.03	84.5	7.22	86.9	7.38
		31.8	61.7	4.30	66.7	5.14	72.7	6.00	79.1	6.74	81.2	6.91	84.5	7.09	86.9	7.21
		38.1	61.7	4.24	66.7	5.09	72.7	5.95	79.1	6.66	81.2	6.85	84.5	7.03	86.9	7.12
110	23	6.7	79.7	1.65	86.2	1.90	93.8	2.20	102.1	2.49	105.1	2.53	109.4	2.62	112.2	2.65
	32	7.5	79.7	1.65	86.2	1.90	93.8	2.20	102.1	2.49	105.1	2.53	109.4	2.62	112.2	2.65
	41	8.7	79.7	1.65	86.2	1.90	93.8	2.20	102.1	2.49	105.1	2.53	109.4	2.62	112.2	2.65
	50	10.2	79.7	1.65	86.2	1.90	93.8	2.20	102.1	2.49	105.1	2.53	109.4	2.62	112.2	2.65
		12.7	79.7	1.61	86.2	1.87	93.8	2.17	102.1	2.45	105.1	2.50	109.4	2.57	112.2	2.61
		25.4	79.7	1.48	86.2	1.74	93.8	2.04	102.1	2.30	105.1	2.36	109.4	2.39	112.2	2.44
		31.8	79.7	1.43	86.2	1.71	93.8	1.99	102.1	2.25	105.1	2.30	109.4	2.34	112.2	2.41
		38.1	79.7	1.41	86.2	1.69	93.8	1.97	102.1	2.23	105.1	2.27	109.4	2.32	112.2	2.39
	59	10.2	79.2	2.20	85.7	2.55	93.3	2.96	101.5	3.34	104.5	3.41	108.7	3.50	111.6	3.56
		12.7	79.2	2.15	85.7	2.51	93.3	2.91	101.5	3.28	104.5	3.36	108.7	3.44	111.6	3.50
		25.4	79.2	1.98	85.7	2.34	93.3	2.73	101.5	3.07	104.5	3.15	108.7	3.22	111.6	3.28
		31.8	79.2	1.92	85.7	2.29	93.3	2.67	101.5	3.01	104.5	3.09	108.7	3.16	111.6	3.21
		38.1	79.2	1.89	85.7	2.26	93.3	2.64	101.5	2.98	104.5	3.06	108.7	3.13	111.6	3.17
	67	10.2	78.8	2.68	85.3	3.13	92.9	3.64	100.9	4.09	104.0	4.19	108.0	4.28	111.1	4.37
		12.7	78.8	2.63	85.3	3.07	92.9	3.58	100.9	4.02	104.0	4.12	108.0	4.22	111.1	4.30
		25.4	78.8	2.42	85.3	2.86	92.9	3.34	100.9	3.76	104.0	3.85	108.0	3.96	111.1	4.03
		31.8	78.8	2.35	85.3	2.80	92.9	3.27	100.9	3.69	104.0	3.79	108.0	3.89	111.1	3.92
		38.1	78.8	2.31	85.3	2.77	92.9	3.23	100.9	3.65	104.0	3.76	108.0	3.85	111.1	3.87
	75	10.2	78.8	3.29	85.3	3.82	92.9	4.45	100.9	5.01	104.0	5.12	108.0	5.24	111.1	5.35
		12.7	78.8	3.22	85.3	3.76	92.9	4.38	100.9	4.93	104.0	5.04	108.0	5.16	111.1	5.26
		25.4	78.8	2.96	85.3	3.52	92.9	4.09	100.9	4.61	104.0	4.72	108.0	4.84	111.1	4.93
		31.8	78.8	2.88	85.3	3.44	92.9	4.01	100.9	4.51	104.0	4.64	108.0	4.75	111.1	4.81
		38.1	78.8	2.83	85.3	3.41	92.9	3.97	100.9	4.46	104.0	4.59	108.0	4.70	111.1	4.75
	86	10.2	78.8	4.00	85.3	4.66	92.9	5.42	100.9	6.11	104.0	6.25	108.0	6.41	111.1	6.52
		12.7	78.8	3.92	85.3	4.59	92.9	5.34	100.9	6.01	104.0	6.15	108.0	6.31	111.1	6.42
		25.4	78.8	3.61	85.3	4.28	92.9	4.99	100.9	5.62	104.0	5.75	108.0	5.90	111.1	6.01
		31.8	78.8	3.52	85.3	4.19	92.9	4.88	100.9	5.51	104.0	5.64	108.0	5.79	111.1	5.86
		38.1	78.8	3.47	85.3	4.15	92.9	4.83	100.9	5.45	104.0	5.59	108.0	5.74	111.1	5.79
	95	10.2	73.3	4.17	79.5	4.84	86.5	5.64	94.1	6.35	96.9	6.50	100.7	6.66	103.5	6.79
		12.7	73.3	4.08	79.5	4.76	86.5	5.55	94.1	6.25	96.9	6.39	100.7	6.55	103.5	6.68
		25.4	73.3	3.75	79.5	4.45	86.5	5.19	94.1	5.84	96.9	5.99	100.7	6.14	103.5	6.25
		31.8	73.3	3.65	79.5	4.35	86.5	5.08	94.1	5.73	96.9	5.86	100.7	6.02	103.5	6.10
		38.1	73.3	3.60	79.5	4.30	86.5	5.02	94.1	5.67	96.9	5.80	100.7	5.97	103.5	6.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

Cooling Capacity

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	10.2	68.0	4.58	73.6	5.31	80.3	6.20	87.2	6.97	89.7	7.14	93.3	7.31	95.9	7.44
		12.7	68.0	4.49	73.6	5.23	80.3	6.10	87.2	6.86	89.7	7.02	93.3	7.19	95.9	7.33
		25.4	68.0	4.12	73.6	4.89	80.3	5.69	87.2	6.42	89.7	6.57	93.3	6.74	95.9	6.87
		31.8	68.0	4.01	73.6	4.78	80.3	5.58	87.2	6.30	89.7	6.44	93.3	6.61	95.9	6.70
		38.1	68.0	3.95	73.6	4.73	80.3	5.53	87.2	6.23	89.7	6.38	93.3	6.55	95.9	6.62
	113	10.2	62.7	5.00	67.7	5.78	74.0	6.77	80.3	7.60	82.5	7.78	86.0	7.96	88.3	8.10
		12.7	62.7	4.89	67.7	5.69	74.0	6.65	80.3	7.48	82.5	7.65	86.0	7.83	88.3	7.98
		25.4	62.7	4.49	67.7	5.34	74.0	6.20	80.3	7.00	82.5	7.14	86.0	7.34	88.3	7.50
		31.8	62.7	4.36	67.7	5.21	74.0	6.09	80.3	6.86	82.5	7.02	86.0	7.21	88.3	7.30
		38.1	62.7	4.30	67.7	5.15	74.0	6.03	80.3	6.79	82.5	6.96	86.0	7.14	88.3	7.21
100	23	6.7	74.9	1.53	81.1	1.80	88.3	2.08	96.0	2.33	98.9	2.39	102.7	2.46	105.6	2.52
	32	7.5	74.9	1.53	81.1	1.80	88.3	2.08	96.0	2.33	98.9	2.39	102.7	2.46	105.6	2.52
	41	8.7	74.9	1.53	81.1	1.80	88.3	2.08	96.0	2.33	98.9	2.39	102.7	2.46	105.6	2.52
	50	10.2	74.9	1.53	81.1	1.80	88.3	2.08	96.0	2.33	98.9	2.39	102.7	2.46	105.6	2.52
		12.7	74.9	1.50	81.1	1.76	88.3	2.05	96.0	2.29	98.9	2.35	102.7	2.43	105.6	2.47
		25.4	74.9	1.38	81.1	1.63	88.3	1.92	96.0	2.17	98.9	2.23	102.7	2.27	105.6	2.29
		31.8	74.9	1.36	81.1	1.60	88.3	1.88	96.0	2.10	98.9	2.16	102.7	2.22	105.6	2.26
		38.1	74.9	1.35	81.1	1.58	88.3	1.86	96.0	2.07	98.9	2.13	102.7	2.20	105.6	2.24
	59	10.2	74.9	2.08	81.1	2.43	88.3	2.83	96.0	3.17	98.9	3.25	102.7	3.34	105.6	3.40
		12.7	74.9	2.04	81.1	2.39	88.3	2.78	96.0	3.12	98.9	3.20	102.7	3.28	105.6	3.34
		25.4	74.9	1.88	81.1	2.23	88.3	2.59	96.0	2.93	98.9	3.00	102.7	3.07	105.6	3.12
		31.8	74.9	1.83	81.1	2.18	88.3	2.55	96.0	2.86	98.9	2.94	102.7	3.01	105.6	3.05
		38.1	74.9	1.81	81.1	2.15	88.3	2.52	96.0	2.83	98.9	2.91	102.7	2.98	105.6	3.01
	67	10.2	74.9	2.57	81.1	2.99	88.3	3.49	96.0	3.93	98.9	4.01	102.7	4.11	105.6	4.18
		12.7	74.9	2.52	81.1	2.94	88.3	3.43	96.0	3.86	98.9	3.95	102.7	4.05	105.6	4.12
		25.4	74.9	2.32	81.1	2.75	88.3	3.20	96.0	3.60	98.9	3.69	102.7	3.79	105.6	3.86
		31.8	74.9	2.25	81.1	2.69	88.3	3.14	96.0	3.54	98.9	3.63	102.7	3.71	105.6	3.75
		38.1	74.9	2.21	81.1	2.66	88.3	3.10	96.0	3.51	98.9	3.60	102.7	3.68	105.6	3.70
	75	10.2	74.9	3.14	81.1	3.65	88.3	4.25	96.0	4.79	98.9	4.90	102.7	5.01	105.6	5.11
		12.7	74.9	3.07	81.1	3.59	88.3	4.18	96.0	4.71	98.9	4.82	102.7	4.93	105.6	5.03
		25.4	74.9	2.83	81.1	3.36	88.3	3.91	96.0	4.40	98.9	4.50	102.7	4.62	105.6	4.70
		31.8	74.9	2.75	81.1	3.28	88.3	3.82	96.0	4.32	98.9	4.41	102.7	4.54	105.6	4.57
		38.1	74.9	2.72	81.1	3.25	88.3	3.78	96.0	4.27	98.9	4.37	102.7	4.49	105.6	4.51
	86	10.2	74.9	3.86	81.1	4.49	88.3	5.22	96.0	5.89	98.9	6.03	102.7	6.17	105.6	6.29
		12.7	74.9	3.79	81.1	4.41	88.3	5.14	96.0	5.79	98.9	5.93	102.7	6.07	105.6	6.18
		25.4	74.9	3.48	81.1	4.12	88.3	4.81	96.0	5.41	98.9	5.53	102.7	5.68	105.6	5.78
		31.8	74.9	3.38	81.1	4.03	88.3	4.71	96.0	5.30	98.9	5.43	102.7	5.57	105.6	5.63
		38.1	74.9	3.33	81.1	3.99	88.3	4.66	96.0	5.24	98.9	5.39	102.7	5.51	105.6	5.56
	95	10.2	71.2	4.08	77.1	4.74	83.9	5.51	91.2	6.21	94.0	6.36	97.6	6.51	100.3	6.62
		12.7	71.2	4.00	77.1	4.66	83.9	5.42	91.2	6.11	94.0	6.26	97.6	6.41	100.3	6.52
		25.4	71.2	3.68	77.1	4.35	83.9	5.07	91.2	5.71	94.0	5.85	97.6	6.00	100.3	6.10
		31.8	71.2	3.57	77.1	4.27	83.9	4.97	91.2	5.59	94.0	5.74	97.6	5.89	100.3	5.94
		38.1	71.2	3.51	77.1	4.22	83.9	4.92	91.2	5.54	94.0	5.69	97.6	5.83	100.3	5.86
	104	10.2	67.3	4.57	72.9	5.31	79.5	6.19	86.4	6.96	88.9	7.14	92.4	7.31	95.1	7.43
		12.7	67.3	4.48	72.9	5.23	79.5	6.09	86.4	6.85	88.9	7.02	92.4	7.19	95.1	7.32
		25.4	67.3	4.12	72.9	4.88	79.5	5.69	86.4	6.41	88.9	6.55	92.4	6.73	95.1	6.85
		31.8	67.3	4.01	72.9	4.78	79.5	5.57	86.4	6.28	88.9	6.44	92.4	6.60	95.1	6.66
		38.1	67.3	3.95	72.9	4.73	79.5	5.51	86.4	6.22	88.9	6.39	92.4	6.54	95.1	6.57
	113	10.2	63.5	5.05	68.8	5.89	75.1	6.86	81.6	7.71	83.9	7.92	87.2	8.11	89.9	8.25
		12.7	63.5	4.96	68.8	5.79	75.1	6.75	81.6	7.59	83.9	7.78	87.2	7.98	89.9	8.12
		25.4	63.5	4.56	68.8	5.41	75.1	6.32	81.6	7.11	83.9	7.25	87.2	7.45	89.9	7.60
		31.8	63.5	4.45	68.8	5.30	75.1	6.17	81.6	6.97	83.9	7.14	87.2	7.32	89.9	7.39
		38.1	63.5	4.40	68.8	5.24	75.1	6.10	81.6	6.90	83.9	7.09	87.2	7.25	89.9	7.29
90	23	6.7	67.3	1.33	72.9	1.54	79.5	1.77	86.4	2.02	88.9	2.07	92.4	2.13	95.1	2.17
	32	7.5	67.3	1.33	72.9	1.54	79.5	1.77	86.4	2.02	88.9	2.07	92.4	2.13	95.1	2.17
	41	8.7	67.3	1.33	72.9	1.54	79.5	1.77	86.4	2.02	88.9	2.07	92.4	2.13	95.1	2.17
	50	10.2	67.3	1.33	72.9	1.54	79.5	1.77	86.4	2.02	88.9	2.07	92.4	2.13	95.1	2.17
		12.7	67.3	1.30	72.9	1.51	79.5	1.75	86.4	1.99	88.9	2.03	92.4	2.09	95.1	2.13
		25.4	67.3	1.21	72.9	1.42	79.5	1.66	86.4	1.87	88.9	1.90	92.4	1.95	95.1	1.99
		31.8	67.3	1.16	72.9	1.40	79.5	1.61	86.4	1.82	88.9	1.87	92.4	1.92	95.1	1.93
		38.1	67.3	1.13	72.9	1.39	79.5	1.58	86.4	1.80	88.9	1.85	92.4	1.90	95.1	1.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	10.2	67.3	1.79	72.9	2.09	79.5	2.42	86.4	2.74	88.9	2.80	92.4	2.87	95.1	2.92
		12.7	67.3	1.76	72.9	2.05	79.5	2.39	86.4	2.69	88.9	2.75	92.4	2.83	95.1	2.88
		25.4	67.3	1.62	72.9	1.92	79.5	2.24	86.4	2.52	88.9	2.58	92.4	2.64	95.1	2.69
		31.8	67.3	1.57	72.9	1.88	79.5	2.19	86.4	2.47	88.9	2.53	92.4	2.59	95.1	2.62
		38.1	67.3	1.55	72.9	1.86	79.5	2.16	86.4	2.45	88.9	2.51	92.4	2.57	95.1	2.58
	67	10.2	67.3	2.21	72.9	2.58	79.5	3.00	86.4	3.38	88.9	3.45	92.4	3.54	95.1	3.60
		12.7	67.3	2.16	72.9	2.53	79.5	2.95	86.4	3.32	88.9	3.39	92.4	3.48	95.1	3.54
		25.4	67.3	1.99	72.9	2.36	79.5	2.75	86.4	3.10	88.9	3.18	92.4	3.26	95.1	3.32
		31.8	67.3	1.94	72.9	2.31	79.5	2.71	86.4	3.05	88.9	3.12	92.4	3.20	95.1	3.23
		38.1	67.3	1.92	72.9	2.29	79.5	2.68	86.4	3.02	88.9	3.09	92.4	3.17	95.1	3.19
	75	10.2	67.3	2.70	72.9	3.14	79.5	3.65	86.4	4.11	88.9	4.21	92.4	4.31	95.1	4.40
		12.7	67.3	2.64	72.9	3.09	79.5	3.59	86.4	4.05	88.9	4.14	92.4	4.24	95.1	4.33
		25.4	67.3	2.43	72.9	2.89	79.5	3.36	86.4	3.79	88.9	3.87	92.4	3.97	95.1	4.05
		31.8	67.3	2.36	72.9	2.83	79.5	3.30	86.4	3.71	88.9	3.80	92.4	3.90	95.1	3.95
		38.1	67.3	2.32	72.9	2.80	79.5	3.26	86.4	3.68	88.9	3.76	92.4	3.86	95.1	3.90
	86	10.2	67.3	3.33	72.9	3.86	79.5	4.50	86.4	5.06	88.9	5.19	92.4	5.31	95.1	5.41
		12.7	67.3	3.26	72.9	3.80	79.5	4.43	86.4	4.98	88.9	5.10	92.4	5.23	95.1	5.32
		25.4	67.3	2.99	72.9	3.55	79.5	4.13	86.4	4.66	88.9	4.77	92.4	4.89	95.1	4.98
		31.8	67.3	2.91	72.9	3.48	79.5	4.05	86.4	4.56	88.9	4.68	92.4	4.80	95.1	4.84
		38.1	67.3	2.88	72.9	3.44	79.5	4.00	86.4	4.51	88.9	4.64	92.4	4.75	95.1	4.78
	95	10.2	65.5	3.59	70.9	4.16	77.3	4.85	84.0	5.46	86.5	5.59	89.9	5.72	92.4	5.84
		12.7	65.5	3.52	70.9	4.09	77.3	4.77	84.0	5.37	86.5	5.50	89.9	5.63	92.4	5.74
		25.4	65.5	3.23	70.9	3.84	77.3	4.46	84.0	5.03	86.5	5.14	89.9	5.27	92.4	5.37
		31.8	65.5	3.14	70.9	3.75	77.3	4.36	84.0	4.93	86.5	5.05	89.9	5.18	92.4	5.23
		38.1	65.5	3.09	70.9	3.71	77.3	4.32	84.0	4.88	86.5	5.01	89.9	5.13	92.4	5.15
	104	10.2	63.6	4.11	68.9	4.79	75.1	5.57	81.6	6.27	84.0	6.42	87.3	6.59	89.7	6.70
		12.7	63.6	4.03	68.9	4.71	75.1	5.48	81.6	6.17	84.0	6.32	87.3	6.48	89.7	6.59
		25.4	63.6	3.71	68.9	4.40	75.1	5.13	81.6	5.77	84.0	5.91	87.3	6.06	89.7	6.17
		31.8	63.6	3.60	68.9	4.30	75.1	5.02	81.6	5.66	84.0	5.80	87.3	5.95	89.7	6.01
		38.1	63.6	3.55	68.9	4.25	75.1	4.96	81.6	5.60	84.0	5.75	87.3	5.90	89.7	5.93
	113	10.2	61.7	4.64	66.9	5.41	72.8	6.30	79.2	7.09	81.5	7.26	84.8	7.45	87.1	7.56
		12.7	61.7	4.55	66.9	5.32	72.8	6.20	79.2	6.97	81.5	7.14	84.8	7.33	87.1	7.44
		25.4	61.7	4.19	66.9	4.97	72.8	5.79	79.2	6.50	81.5	6.69	84.8	6.85	87.1	6.97
		31.8	61.7	4.07	66.9	4.86	72.8	5.67	79.2	6.38	81.5	6.55	84.8	6.73	87.1	6.80
		38.1	61.7	4.01	66.9	4.80	72.8	5.61	79.2	6.32	81.5	6.49	84.8	6.66	87.1	6.71
80	23	6.7	59.9	1.11	64.9	1.28	70.7	1.51	76.8	1.71	79.1	1.73	82.1	1.80	84.5	1.80
	32	7.5	59.9	1.11	64.9	1.28	70.7	1.51	76.8	1.71	79.1	1.73	82.1	1.80	84.5	1.80
	41	8.7	59.9	1.11	64.9	1.28	70.7	1.51	76.8	1.71	79.1	1.73	82.1	1.80	84.5	1.80
	50	10.2	59.9	1.11	64.9	1.28	70.7	1.51	76.8	1.71	79.1	1.73	82.1	1.80	84.5	1.80
		12.7	59.9	1.09	64.9	1.26	70.7	1.48	76.8	1.68	79.1	1.70	82.1	1.76	84.5	1.77
		25.4	59.9	0.99	64.9	1.20	70.7	1.37	76.8	1.56	79.1	1.60	82.1	1.63	84.5	1.66
		31.8	59.9	0.97	64.9	1.16	70.7	1.35	76.8	1.51	79.1	1.55	82.1	1.61	84.5	1.63
		38.1	59.9	0.96	64.9	1.14	70.7	1.34	76.8	1.49	79.1	1.52	82.1	1.60	84.5	1.62
	59	10.2	59.9	1.51	64.9	1.75	70.7	2.04	76.8	2.30	79.1	2.35	82.1	2.41	84.5	2.45
		12.7	59.9	1.48	64.9	1.72	70.7	2.00	76.8	2.26	79.1	2.31	82.1	2.37	84.5	2.41
		25.4	59.9	1.35	64.9	1.61	70.7	1.87	76.8	2.11	79.1	2.16	82.1	2.21	84.5	2.25
		31.8	59.9	1.32	64.9	1.57	70.7	1.83	76.8	2.07	79.1	2.11	82.1	2.18	84.5	2.20
		38.1	59.9	1.30	64.9	1.56	70.7	1.81	76.8	2.04	79.1	2.09	82.1	2.16	84.5	2.18
	67	10.2	59.9	1.86	64.9	2.16	70.7	2.51	76.8	2.82	79.1	2.90	82.1	2.96	84.5	3.03
		12.7	59.9	1.82	64.9	2.13	70.7	2.47	76.8	2.78	79.1	2.85	82.1	2.91	84.5	2.98
		25.4	59.9	1.67	64.9	1.98	70.7	2.31	76.8	2.61	79.1	2.67	82.1	2.73	84.5	2.78
		31.8	59.9	1.62	64.9	1.94	70.7	2.26	76.8	2.56	79.1	2.62	82.1	2.68	84.5	2.71
		38.1	59.9	1.60	64.9	1.92	70.7	2.24	76.8	2.53	79.1	2.59	82.1	2.66	84.5	2.67
	75	10.2	59.9	2.26	64.9	2.62	70.7	3.06	76.8	3.45	79.1	3.54	82.1	3.62	84.5	3.69
		12.7	59.9	2.21	64.9	2.58	70.7	3.01	76.8	3.39	79.1	3.48	82.1	3.57	84.5	3.63
		25.4	59.9	2.04	64.9	2.42	70.7	2.82	76.8	3.17	79.1	3.25	82.1	3.33	84.5	3.39
		31.8	59.9	1.98	64.9	2.37	70.7	2.77	76.8	3.11	79.1	3.18	82.1	3.27	84.5	3.31
		38.1	59.9	1.95	64.9	2.35	70.7	2.74	76.8	3.08	79.1	3.15	82.1	3.24	84.5	3.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	10.2	59.9	2.79	64.9	3.24	70.7	3.78	76.8	4.25	79.1	4.35	82.1	4.45	84.5	4.54
		12.7	59.9	2.73	64.9	3.18	70.7	3.71	76.8	4.18	79.1	4.28	82.1	4.38	84.5	4.46
		25.4	59.9	2.51	64.9	2.98	70.7	3.47	76.8	3.90	79.1	4.00	82.1	4.09	84.5	4.17
		31.8	59.9	2.43	64.9	2.91	70.7	3.39	76.8	3.82	79.1	3.92	82.1	4.02	84.5	4.06
		38.1	59.9	2.40	64.9	2.88	70.7	3.36	76.8	3.79	79.1	3.89	82.1	3.98	84.5	4.00
	95	10.2	59.9	3.10	64.9	3.60	70.7	4.19	76.8	4.71	79.1	4.82	82.1	4.95	84.5	5.04
		12.7	59.9	3.04	64.9	3.54	70.7	4.12	76.8	4.64	79.1	4.75	82.1	4.87	84.5	4.96
		25.4	59.9	2.79	64.9	3.31	70.7	3.85	76.8	4.34	79.1	4.44	82.1	4.55	84.5	4.64
		31.8	59.9	2.72	64.9	3.23	70.7	3.77	76.8	4.25	79.1	4.35	82.1	4.48	84.5	4.51
		38.1	59.9	2.68	64.9	3.20	70.7	3.74	76.8	4.21	79.1	4.31	82.1	4.44	84.5	4.45
	104	10.2	59.9	3.66	64.9	4.26	70.7	4.96	76.8	5.59	79.1	5.71	82.1	5.86	84.5	5.96
		12.7	59.9	3.59	64.9	4.19	70.7	4.88	76.8	5.50	79.1	5.62	82.1	5.77	84.5	5.86
		25.4	59.9	3.31	64.9	3.91	70.7	4.56	76.8	5.14	79.1	5.26	82.1	5.40	84.5	5.50
		31.8	59.9	3.21	64.9	3.84	70.7	4.46	76.8	5.04	79.1	5.16	82.1	5.29	84.5	5.35
		38.1	59.9	3.16	64.9	3.80	70.7	4.41	76.8	4.99	79.1	5.12	82.1	5.23	84.5	5.28
	113	10.2	59.9	4.22	64.9	4.93	70.7	5.74	76.8	6.46	79.1	6.59	82.1	6.77	84.5	6.88
		12.7	59.9	4.14	64.9	4.84	70.7	5.64	76.8	6.36	79.1	6.49	82.1	6.66	84.5	6.77
		25.4	59.9	3.82	64.9	4.51	70.7	5.27	76.8	5.94	79.1	6.09	82.1	6.25	84.5	6.36
		31.8	59.9	3.70	64.9	4.44	70.7	5.15	76.8	5.83	79.1	5.98	82.1	6.10	84.5	6.18
		38.1	59.9	3.64	64.9	4.40	70.7	5.09	76.8	5.77	79.1	5.92	82.1	6.03	84.5	6.10
70	23	6.7	52.4	0.93	56.8	1.07	61.9	1.26	67.2	1.42	69.2	1.43	71.9	1.48	73.9	1.50
	32	7.5	52.4	0.93	56.8	1.07	61.9	1.26	67.2	1.42	69.2	1.43	71.9	1.48	73.9	1.50
	41	8.7	52.4	0.93	56.8	1.07	61.9	1.26	67.2	1.42	69.2	1.43	71.9	1.48	73.9	1.50
	50	10.2	52.4	0.93	56.8	1.07	61.9	1.26	67.2	1.42	69.2	1.43	71.9	1.48	73.9	1.50
		12.7	52.4	0.91	56.8	1.05	61.9	1.24	67.2	1.40	69.2	1.41	71.9	1.46	73.9	1.48
		25.4	52.4	0.84	56.8	0.99	61.9	1.16	67.2	1.30	69.2	1.32	71.9	1.36	73.9	1.40
		31.8	52.4	0.80	56.8	0.96	61.9	1.12	67.2	1.26	69.2	1.29	71.9	1.34	73.9	1.36
		38.1	52.4	0.79	56.8	0.94	61.9	1.11	67.2	1.25	69.2	1.27	71.9	1.33	73.9	1.34
	59	10.2	52.4	1.25	56.8	1.45	61.9	1.70	67.2	1.91	69.2	1.95	71.9	2.00	73.9	2.04
		12.7	52.4	1.23	56.8	1.43	61.9	1.67	67.2	1.88	69.2	1.92	71.9	1.97	73.9	2.00
		25.4	52.4	1.13	56.8	1.34	61.9	1.56	67.2	1.76	69.2	1.80	71.9	1.84	73.9	1.88
		31.8	52.4	1.09	56.8	1.30	61.9	1.52	67.2	1.72	69.2	1.76	71.9	1.81	73.9	1.83
		38.1	52.4	1.08	56.8	1.28	61.9	1.51	67.2	1.70	69.2	1.74	71.9	1.79	73.9	1.81
	67	10.2	52.4	1.54	56.8	1.79	61.9	2.09	67.2	2.35	69.2	2.41	71.9	2.46	73.9	2.51
		12.7	52.4	1.51	56.8	1.76	61.9	2.05	67.2	2.31	69.2	2.37	71.9	2.42	73.9	2.47
		25.4	52.4	1.39	56.8	1.65	61.9	1.92	67.2	2.16	69.2	2.21	71.9	2.27	73.9	2.31
		31.8	52.4	1.35	56.8	1.61	61.9	1.88	67.2	2.13	69.2	2.18	71.9	2.23	73.9	2.25
		38.1	52.4	1.33	56.8	1.59	61.9	1.86	67.2	2.11	69.2	2.16	71.9	2.20	73.9	2.22
	75	10.2	52.4	1.88	56.8	2.19	61.9	2.55	67.2	2.87	69.2	2.94	71.9	3.01	73.9	3.06
		12.7	52.4	1.84	56.8	2.15	61.9	2.51	67.2	2.83	69.2	2.89	71.9	2.96	73.9	3.01
		25.4	52.4	1.70	56.8	2.02	61.9	2.35	67.2	2.64	69.2	2.71	71.9	2.77	73.9	2.82
		31.8	52.4	1.65	56.8	1.97	61.9	2.30	67.2	2.58	69.2	2.66	71.9	2.72	73.9	2.74
		38.1	52.4	1.62	56.8	1.94	61.9	2.27	67.2	2.55	69.2	2.63	71.9	2.69	73.9	2.71
	86	10.2	52.4	2.32	56.8	2.69	61.9	3.14	67.2	3.52	69.2	3.61	71.9	3.70	73.9	3.76
		12.7	52.4	2.27	56.8	2.64	61.9	3.09	67.2	3.47	69.2	3.55	71.9	3.64	73.9	3.70
		25.4	52.4	2.09	56.8	2.47	61.9	2.88	67.2	3.25	69.2	3.32	71.9	3.41	73.9	3.47
		31.8	52.4	2.03	56.8	2.42	61.9	2.83	67.2	3.18	69.2	3.26	71.9	3.34	73.9	3.38
		38.1	52.4	2.00	56.8	2.40	61.9	2.80	67.2	3.15	69.2	3.23	71.9	3.31	73.9	3.34
	95	10.2	52.4	2.57	56.8	2.99	61.9	3.49	67.2	3.93	69.2	4.01	71.9	4.11	73.9	4.18
		12.7	52.4	2.52	56.8	2.94	61.9	3.43	67.2	3.86	69.2	3.95	71.9	4.05	73.9	4.12
		25.4	52.4	2.32	56.8	2.75	61.9	3.20	67.2	3.60	69.2	3.69	71.9	3.79	73.9	3.86
		31.8	52.4	2.25	56.8	2.69	61.9	3.14	67.2	3.54	69.2	3.63	71.9	3.71	73.9	3.75
		38.1	52.4	2.21	56.8	2.66	61.9	3.10	67.2	3.51	69.2	3.60	71.9	3.68	73.9	3.70
	104	10.2	52.4	3.05	56.8	3.54	61.9	4.13	67.2	4.64	69.2	4.75	71.9	4.87	73.9	4.96
		12.7	52.4	2.99	56.8	3.48	61.9	4.06	67.2	4.56	69.2	4.67	71.9	4.80	73.9	4.88
		25.4	52.4	2.74	56.8	3.26	61.9	3.79	67.2	4.27	69.2	4.38	71.9	4.49	73.9	4.56
		31.8	52.4	2.67	56.8	3.18	61.9	3.71	67.2	4.19	69.2	4.29	71.9	4.40	73.9	4.45
		38.1	52.4	2.63	56.8	3.15	61.9	3.68	67.2	4.16	69.2	4.25	71.9	4.36	73.9	4.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	10.2	52.4	3.53	56.8	4.09	61.9	4.76	67.2	5.35	69.2	5.48	71.9	5.64	73.9	5.74
		12.7	52.4	3.46	56.8	4.02	61.9	4.68	67.2	5.26	69.2	5.40	71.9	5.55	73.9	5.64
		25.4	52.4	3.16	56.8	3.76	61.9	4.38	67.2	4.93	69.2	5.07	71.9	5.19	73.9	5.26
		31.8	52.4	3.09	56.8	3.68	61.9	4.29	67.2	4.84	69.2	4.96	71.9	5.09	73.9	5.15
		38.1	52.4	3.05	56.8	3.63	61.9	4.25	67.2	4.80	69.2	4.90	71.9	5.04	73.9	5.10
60	23	6.7	44.9	0.75	48.7	0.87	52.9	1.00	57.6	1.13	59.3	1.16	61.6	1.20	63.3	1.20
	32	7.5	44.9	0.75	48.7	0.87	52.9	1.00	57.6	1.13	59.3	1.16	61.6	1.20	63.3	1.20
	41	8.7	44.9	0.75	48.7	0.87	52.9	1.00	57.6	1.13	59.3	1.16	61.6	1.20	63.3	1.20
	50	10.2	44.9	0.75	48.7	0.87	52.9	1.00	57.6	1.13	59.3	1.16	61.6	1.20	63.3	1.20
		12.7	44.9	0.73	48.7	0.85	52.9	0.98	57.6	1.11	59.3	1.14	61.6	1.17	63.3	1.18
		25.4	44.9	0.66	48.7	0.79	52.9	0.91	57.6	1.04	59.3	1.04	61.6	1.08	63.3	1.11
		31.8	44.9	0.64	48.7	0.77	52.9	0.90	57.6	1.02	59.3	1.03	61.6	1.05	63.3	1.06
		38.1	44.9	0.63	48.7	0.76	52.9	0.89	57.6	1.01	59.3	1.02	61.6	1.04	63.3	1.04
	59	10.2	44.9	1.01	48.7	1.16	52.9	1.35	57.6	1.52	59.3	1.56	61.6	1.60	63.3	1.62
		12.7	44.9	0.98	48.7	1.14	52.9	1.33	57.6	1.50	59.3	1.54	61.6	1.57	63.3	1.60
		25.4	44.9	0.90	48.7	1.07	52.9	1.24	57.6	1.40	59.3	1.43	61.6	1.46	63.3	1.50
		31.8	44.9	0.87	48.7	1.05	52.9	1.22	57.6	1.38	59.3	1.40	61.6	1.44	63.3	1.45
		38.1	44.9	0.86	48.7	1.03	52.9	1.21	57.6	1.36	59.3	1.39	61.6	1.43	63.3	1.43
	67	10.2	44.9	1.23	48.7	1.42	52.9	1.66	57.6	1.88	59.3	1.92	61.6	1.96	63.3	2.00
		12.7	44.9	1.20	48.7	1.40	52.9	1.64	57.6	1.84	59.3	1.89	61.6	1.93	63.3	1.97
		25.4	44.9	1.11	48.7	1.32	52.9	1.54	57.6	1.72	59.3	1.77	61.6	1.81	63.3	1.84
		31.8	44.9	1.08	48.7	1.29	52.9	1.50	57.6	1.70	59.3	1.73	61.6	1.78	63.3	1.80
		38.1	44.9	1.07	48.7	1.28	52.9	1.48	57.6	1.68	59.3	1.72	61.6	1.77	63.3	1.77
	75	10.2	44.9	1.51	48.7	1.74	52.9	2.02	57.6	2.29	59.3	2.34	61.6	2.40	63.3	2.43
		12.7	44.9	1.48	48.7	1.71	52.9	1.99	57.6	2.25	59.3	2.30	61.6	2.36	63.3	2.40
		25.4	44.9	1.35	48.7	1.60	52.9	1.87	57.6	2.10	59.3	2.15	61.6	2.21	63.3	2.25
		31.8	44.9	1.32	48.7	1.57	52.9	1.83	57.6	2.07	59.3	2.11	61.6	2.16	63.3	2.19
		38.1	44.9	1.30	48.7	1.56	52.9	1.81	57.6	2.05	59.3	2.10	61.6	2.14	63.3	2.16
	86	10.2	44.9	1.84	48.7	2.15	52.9	2.50	57.6	2.81	59.3	2.87	61.6	2.95	63.3	3.00
		12.7	44.9	1.81	48.7	2.11	52.9	2.46	57.6	2.77	59.3	2.83	61.6	2.90	63.3	2.95
		25.4	44.9	1.66	48.7	1.97	52.9	2.30	57.6	2.58	59.3	2.64	61.6	2.72	63.3	2.77
		31.8	44.9	1.62	48.7	1.93	52.9	2.25	57.6	2.53	59.3	2.59	61.6	2.67	63.3	2.69
		38.1	44.9	1.60	48.7	1.91	52.9	2.23	57.6	2.51	59.3	2.57	61.6	2.64	63.3	2.66
	95	10.2	44.9	2.04	48.7	2.39	52.9	2.77	57.6	3.12	59.3	3.20	61.6	3.27	63.3	3.34
		12.7	44.9	2.00	48.7	2.35	52.9	2.73	57.6	3.07	59.3	3.15	61.6	3.22	63.3	3.28
		25.4	44.9	1.84	48.7	2.19	52.9	2.56	57.6	2.88	59.3	2.94	61.6	3.02	63.3	3.07
		31.8	44.9	1.80	48.7	2.14	52.9	2.50	57.6	2.82	59.3	2.89	61.6	2.96	63.3	2.99
		38.1	44.9	1.77	48.7	2.11	52.9	2.47	57.6	2.79	59.3	2.86	61.6	2.93	63.3	2.94
	104	10.2	44.9	2.44	48.7	2.83	52.9	3.29	57.6	3.70	59.3	3.79	61.6	3.89	63.3	3.95
		12.7	44.9	2.39	48.7	2.78	52.9	3.23	57.6	3.64	59.3	3.73	61.6	3.82	63.3	3.89
		25.4	44.9	2.19	48.7	2.59	52.9	3.02	57.6	3.41	59.3	3.48	61.6	3.58	63.3	3.64
		31.8	44.9	2.13	48.7	2.55	52.9	2.96	57.6	3.33	59.3	3.42	61.6	3.50	63.3	3.54
		38.1	44.9	2.10	48.7	2.52	52.9	2.93	57.6	3.30	59.3	3.39	61.6	3.47	63.3	3.49
	113	10.2	44.9	2.83	48.7	3.26	52.9	3.80	57.6	4.27	59.3	4.37	61.6	4.50	63.3	4.56
		12.7	44.9	2.77	48.7	3.21	52.9	3.74	57.6	4.21	59.3	4.30	61.6	4.43	63.3	4.49
		25.4	44.9	2.53	48.7	3.00	52.9	3.49	57.6	3.93	59.3	4.02	61.6	4.13	63.3	4.21
		31.8	44.9	2.46	48.7	2.95	52.9	3.43	57.6	3.85	59.3	3.95	61.6	4.05	63.3	4.09
		38.1	44.9	2.42	48.7	2.93	52.9	3.40	57.6	3.81	59.3	3.91	61.6	4.00	63.3	4.04
50	23	6.7	37.5	0.54	40.5	0.64	44.1	0.77	48.0	0.84	49.5	0.85	51.3	0.88	52.8	0.90
	32	7.5	37.5	0.54	40.5	0.64	44.1	0.77	48.0	0.84	49.5	0.85	51.3	0.88	52.8	0.90
	41	8.7	37.5	0.54	40.5	0.64	44.1	0.77	48.0	0.84	49.5	0.85	51.3	0.88	52.8	0.90
	50	10.2	37.5	0.54	40.5	0.64	44.1	0.77	48.0	0.84	49.5	0.85	51.3	0.88	52.8	0.90
		12.7	37.5	0.53	40.5	0.63	44.1	0.75	48.0	0.83	49.5	0.84	51.3	0.86	52.8	0.89
		25.4	37.5	0.51	40.5	0.59	44.1	0.67	48.0	0.77	49.5	0.79	51.3	0.80	52.8	0.83
		31.8	37.5	0.49	40.5	0.57	44.1	0.67	48.0	0.74	49.5	0.77	51.3	0.78	52.8	0.79
		38.1	37.5	0.47	40.5	0.55	44.1	0.68	48.0	0.73	49.5	0.76	51.3	0.77	52.8	0.77
	59	10.2	37.5	0.74	40.5	0.86	44.1	1.01	48.0	1.14	49.5	1.16	51.3	1.19	52.8	1.21
		12.7	37.5	0.73	40.5	0.85	44.1	1.00	48.0	1.12	49.5	1.14	51.3	1.17	52.8	1.19
		25.4	37.5	0.68	40.5	0.80	44.1	0.92	48.0	1.05	49.5	1.07	51.3	1.09	52.8	1.12
		31.8	37.5	0.65	40.5	0.77	44.1	0.91	48.0	1.02	49.5	1.05	51.3	1.07	52.8	1.08
		38.1	37.5	0.64	40.5	0.76	44.1	0.90	48.0	1.01	49.5	1.03	51.3	1.06	52.8	1.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	10.2	37.5	0.92	40.5	1.06	44.1	1.24	48.0	1.40	49.5	1.44	51.3	1.46	52.8	1.48
		12.7	37.5	0.90	40.5	1.05	44.1	1.22	48.0	1.38	49.5	1.41	51.3	1.44	52.8	1.46
		25.4	37.5	0.82	40.5	0.98	44.1	1.14	48.0	1.29	49.5	1.32	51.3	1.35	52.8	1.38
		31.8	37.5	0.80	40.5	0.96	44.1	1.12	48.0	1.27	49.5	1.29	51.3	1.33	52.8	1.34
		38.1	37.5	0.79	40.5	0.95	44.1	1.11	48.0	1.25	49.5	1.28	51.3	1.32	52.8	1.32
	75	10.2	37.5	1.12	40.5	1.30	44.1	1.51	48.0	1.70	49.5	1.75	51.3	1.79	52.8	1.83
		12.7	37.5	1.09	40.5	1.28	44.1	1.49	48.0	1.67	49.5	1.72	51.3	1.76	52.8	1.80
		25.4	37.5	1.01	40.5	1.19	44.1	1.39	48.0	1.57	49.5	1.61	51.3	1.65	52.8	1.67
		31.8	37.5	0.98	40.5	1.17	44.1	1.36	48.0	1.54	49.5	1.57	51.3	1.61	52.8	1.64
		38.1	37.5	0.97	40.5	1.16	44.1	1.35	48.0	1.52	49.5	1.56	51.3	1.59	52.8	1.62
	86	10.2	37.5	1.38	40.5	1.60	44.1	1.86	48.0	2.10	49.5	2.15	51.3	2.20	52.8	2.24
		12.7	37.5	1.35	40.5	1.57	44.1	1.83	48.0	2.07	49.5	2.11	51.3	2.16	52.8	2.20
		25.4	37.5	1.24	40.5	1.48	44.1	1.71	48.0	1.93	49.5	1.98	51.3	2.03	52.8	2.07
		31.8	37.5	1.20	40.5	1.44	44.1	1.67	48.0	1.89	49.5	1.94	51.3	1.99	52.8	2.00
		38.1	37.5	1.19	40.5	1.42	44.1	1.65	48.0	1.88	49.5	1.92	51.3	1.97	52.8	1.97
	95	10.2	37.5	1.53	40.5	1.77	44.1	2.08	48.0	2.32	49.5	2.39	51.3	2.45	52.8	2.49
		12.7	37.5	1.50	40.5	1.75	44.1	2.04	48.0	2.29	49.5	2.35	51.3	2.41	52.8	2.45
		25.4	37.5	1.38	40.5	1.64	44.1	1.91	48.0	2.14	49.5	2.19	51.3	2.25	52.8	2.29
		31.8	37.5	1.34	40.5	1.60	44.1	1.87	48.0	2.10	49.5	2.15	51.3	2.21	52.8	2.23
		38.1	37.5	1.32	40.5	1.58	44.1	1.85	48.0	2.08	49.5	2.13	51.3	2.19	52.8	2.19
	104	10.2	37.5	1.80	40.5	2.10	44.1	2.45	48.0	2.76	49.5	2.83	51.3	2.90	52.8	2.95
		12.7	37.5	1.77	40.5	2.07	44.1	2.41	48.0	2.72	49.5	2.78	51.3	2.85	52.8	2.90
		25.4	37.5	1.64	40.5	1.93	44.1	2.25	48.0	2.53	49.5	2.59	51.3	2.67	52.8	2.72
		31.8	37.5	1.59	40.5	1.89	44.1	2.21	48.0	2.48	49.5	2.55	51.3	2.62	52.8	2.64
		38.1	37.5	1.56	40.5	1.88	44.1	2.19	48.0	2.46	49.5	2.52	51.3	2.59	52.8	2.61
	113	10.2	37.5	2.08	40.5	2.43	44.1	2.83	48.0	3.20	49.5	3.26	51.3	3.35	52.8	3.41
		12.7	37.5	2.04	40.5	2.39	44.1	2.78	48.0	3.15	49.5	3.21	51.3	3.30	52.8	3.36
		25.4	37.5	1.89	40.5	2.23	44.1	2.59	48.0	2.93	49.5	3.00	51.3	3.09	52.8	3.15
		31.8	37.5	1.83	40.5	2.19	44.1	2.56	48.0	2.86	49.5	2.94	51.3	3.02	52.8	3.06
		38.1	37.5	1.80	40.5	2.17	44.1	2.54	48.0	2.83	49.5	2.91	51.3	2.99	52.8	3.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	8.1	111.4	2.36	120.7	2.76	131.8	3.22	142.9	3.63	147.1	3.73	152.9	3.80	157.1	3.83
	32	9.0	111.4	2.36	120.7	2.76	131.8	3.22	142.9	3.63	147.1	3.73	152.9	3.80	157.1	3.83
	41	10.4	111.4	2.36	120.7	2.76	131.8	3.22	142.9	3.63	147.1	3.73	152.9	3.80	157.1	3.83
	50	12.2	111.4	2.36	120.7	2.76	131.8	3.22	142.9	3.63	147.1	3.73	152.9	3.80	157.1	3.83
		15.2	111.4	2.31	120.7	2.72	131.8	3.17	142.9	3.57	147.1	3.66	152.9	3.74	157.1	3.78
		30.4	111.4	2.15	120.7	2.55	131.8	2.97	142.9	3.34	147.1	3.40	152.9	3.51	157.1	3.58
		38.0	111.4	2.09	120.7	2.49	131.8	2.90	142.9	3.26	147.1	3.35	152.9	3.43	157.1	3.49
		45.6	111.4	2.05	120.7	2.46	131.8	2.87	142.9	3.22	147.1	3.33	152.9	3.39	157.1	3.44
	59	12.2	109.7	3.11	118.8	3.62	129.5	4.22	140.7	4.76	144.8	4.87	150.5	4.98	154.7	5.06
		15.2	109.7	3.05	118.8	3.56	129.5	4.15	140.7	4.68	144.8	4.79	150.5	4.91	154.7	4.98
		30.4	109.7	2.81	118.8	3.34	129.5	3.88	140.7	4.38	144.8	4.47	150.5	4.60	154.7	4.70
		38.0	109.7	2.73	118.8	3.26	129.5	3.80	140.7	4.28	144.8	4.39	150.5	4.51	154.7	4.59
		45.6	109.7	2.69	118.8	3.22	129.5	3.76	140.7	4.23	144.8	4.35	150.5	4.46	154.7	4.53
	67	12.2	108.2	3.78	117.2	4.38	127.5	5.12	138.7	5.76	142.8	5.89	148.3	6.04	152.5	6.15
		15.2	108.2	3.71	117.2	4.31	127.5	5.03	138.7	5.67	142.8	5.80	148.3	5.94	152.5	6.06
		30.4	108.2	3.40	117.2	4.04	127.5	4.70	138.7	5.30	142.8	5.43	148.3	5.58	152.5	5.69
		38.0	108.2	3.31	117.2	3.95	127.5	4.60	138.7	5.19	142.8	5.32	148.3	5.46	152.5	5.56
		45.6	108.2	3.26	117.2	3.90	127.5	4.55	138.7	5.14	142.8	5.26	148.3	5.41	152.5	5.50
	75	12.2	108.2	4.66	117.2	5.41	127.5	6.30	138.7	7.10	142.8	7.27	148.3	7.45	152.5	7.57
		15.2	108.2	4.57	117.2	5.32	127.5	6.20	138.7	6.98	142.8	7.16	148.3	7.33	152.5	7.46
		30.4	108.2	4.20	117.2	4.98	127.5	5.80	138.7	6.53	142.8	6.69	148.3	6.87	152.5	7.01
		38.0	108.2	4.09	117.2	4.87	127.5	5.69	138.7	6.41	142.8	6.57	148.3	6.74	152.5	6.85
		45.6	108.2	4.03	117.2	4.82	127.5	5.63	138.7	6.34	142.8	6.50	148.3	6.68	152.5	6.77
	86	12.2	108.2	5.59	117.2	6.50	127.5	7.57	138.7	8.53	142.8	8.72	148.3	8.94	152.5	9.08
		15.2	108.2	5.48	117.2	6.39	127.5	7.45	138.7	8.39	142.8	8.58	148.3	8.80	152.5	8.95
		30.4	108.2	5.03	117.2	5.98	127.5	6.97	138.7	7.84	142.8	8.04	148.3	8.24	152.5	8.42
		38.0	108.2	4.91	117.2	5.85	127.5	6.82	138.7	7.69	142.8	7.89	148.3	8.08	152.5	8.23
		45.6	108.2	4.84	117.2	5.78	127.5	6.75	138.7	7.61	142.8	7.82	148.3	8.00	152.5	8.13
	95	12.2	97.3	5.66	105.3	6.58	114.8	7.65	124.8	8.63	128.5	8.81	133.5	9.04	137.2	9.20
		15.2	97.3	5.54	105.3	6.47	114.8	7.53	124.8	8.48	128.5	8.68	133.5	8.90	137.2	9.06
		30.4	97.3	5.10	105.3	6.04	114.8	7.05	124.8	7.92	128.5	8.13	133.5	8.34	137.2	8.50
		38.0	97.3	4.95	105.3	5.91	114.8	6.90	124.8	7.76	128.5	7.97	133.5	8.18	137.2	8.32
		45.6	97.3	4.88	105.3	5.85	114.8	6.83	124.8	7.69	128.5	7.89	133.5	8.10	137.2	8.24
	104	12.2	86.5	5.97	93.7	6.94	102.0	8.07	110.8	9.10	114.2	9.30	118.7	9.52	122.0	9.70
		15.2	86.5	5.85	93.7	6.82	102.0	7.94	110.8	8.95	114.2	9.15	118.7	9.38	122.0	9.55
		30.4	86.5	5.37	93.7	6.37	102.0	7.43	110.8	8.36	114.2	8.56	118.7	8.80	122.0	8.98
		38.0	86.5	5.22	93.7	6.23	102.0	7.27	110.8	8.20	114.2	8.40	118.7	8.63	122.0	8.77
		45.6	86.5	5.15	93.7	6.16	102.0	7.19	110.8	8.12	114.2	8.32	118.7	8.54	122.0	8.67
	113	12.2	75.7	6.28	82.0	7.29	89.2	8.49	96.8	9.57	99.8	9.80	103.8	10.01	106.8	10.20
		15.2	75.7	6.15	82.0	7.17	89.2	8.36	96.8	9.41	99.8	9.63	103.8	9.86	106.8	10.05
		30.4	75.7	5.64	82.0	6.71	89.2	7.81	96.8	8.79	99.8	9.00	103.8	9.27	106.8	9.46
		38.0	75.7	5.50	82.0	6.55	89.2	7.64	96.8	8.63	99.8	8.84	103.8	9.08	106.8	9.22
		45.6	75.7	5.42	82.0	6.47	89.2	7.55	96.8	8.55	99.8	8.76	103.8	8.98	106.8	9.10
120	23	8.1	105.5	2.25	114.3	2.60	124.3	3.06	135.3	3.43	139.5	3.53	144.9	3.61	148.9	3.67
	32	9.0	105.5	2.25	114.3	2.60	124.3	3.06	135.3	3.43	139.5	3.53	144.9	3.61	148.9	3.67
	41	10.4	105.5	2.25	114.3	2.60	124.3	3.06	135.3	3.43	139.5	3.53	144.9	3.61	148.9	3.67
	50	12.2	105.5	2.25	114.3	2.60	124.3	3.06	135.3	3.43	139.5	3.53	144.9	3.61	148.9	3.67
		15.2	105.5	2.20	114.3	2.56	124.3	3.01	135.3	3.38	139.5	3.47	144.9	3.55	148.9	3.61
		30.4	105.5	2.02	114.3	2.39	124.3	2.79	135.3	3.16	139.5	3.22	144.9	3.32	148.9	3.36
		38.0	105.5	1.99	114.3	2.34	124.3	2.76	135.3	3.10	139.5	3.16	144.9	3.25	148.9	3.30
		45.6	105.5	1.98	114.3	2.32	124.3	2.75	135.3	3.07	139.5	3.13	144.9	3.22	148.9	3.27
	59	12.2	104.3	2.98	113.0	3.46	123.0	4.05	133.8	4.55	137.8	4.66	143.2	4.77	147.2	4.85
		15.2	104.3	2.92	113.0	3.40	123.0	3.98	133.8	4.47	137.8	4.59	143.2	4.70	147.2	4.78
		30.4	104.3	2.68	113.0	3.18	123.0	3.71	133.8	4.19	137.8	4.28	143.2	4.39	147.2	4.47
		38.0	104.3	2.62	113.0	3.12	123.0	3.64	133.8	4.11	137.8	4.20	143.2	4.31	147.2	4.38
		45.6	104.3	2.59	113.0	3.08	123.0	3.61	133.8	4.07	137.8	4.16	143.2	4.27	147.2	4.33
	67	12.2	103.3	3.64	111.8	4.22	121.8	4.92	132.5	5.54	136.3	5.66	141.7	5.81	145.7	5.90
		15.2	103.3	3.56	111.8	4.15	121.8	4.84	132.5	5.45	136.3	5.58	141.7	5.72	145.7	5.82
		30.4	103.3	3.28	111.8	3.88	121.8	4.52	132.5	5.10	136.3	5.22	141.7	5.35	145.7	5.46
		38.0	103.3	3.18	111.8	3.80	121.8	4.43	132.5	5.00	136.3	5.13	141.7	5.26	145.7	5.34
		45.6	103.3	3.13	111.8	3.76	121.8	4.38	132.5	4.95	136.3	5.08	141.7	5.21	145.7	5.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	12.2	103.3	4.47	111.8	5.18	121.8	6.04	132.5	6.80	136.3	6.97	141.7	7.14	145.7	7.27
		15.2	103.3	4.38	111.8	5.10	121.8	5.94	132.5	6.69	136.3	6.85	141.7	7.03	145.7	7.16
		30.4	103.3	4.03	111.8	4.78	121.8	5.56	132.5	6.26	136.3	6.41	141.7	6.58	145.7	6.71
		38.0	103.3	3.91	111.8	4.67	121.8	5.45	132.5	6.14	136.3	6.30	141.7	6.45	145.7	6.55
		45.6	103.3	3.86	111.8	4.61	121.8	5.39	132.5	6.07	136.3	6.24	141.7	6.39	145.7	6.47
	86	12.2	103.3	5.39	111.8	6.27	121.8	7.31	132.5	8.23	136.3	8.43	141.7	8.64	145.7	8.78
		15.2	103.3	5.29	111.8	6.17	121.8	7.19	132.5	8.10	136.3	8.29	141.7	8.50	145.7	8.64
		30.4	103.3	4.87	111.8	5.77	121.8	6.73	132.5	7.57	136.3	7.75	141.7	7.96	145.7	8.12
		38.0	103.3	4.73	111.8	5.64	121.8	6.58	132.5	7.41	136.3	7.61	141.7	7.81	145.7	7.92
		45.6	103.3	4.66	111.8	5.58	121.8	6.51	132.5	7.33	136.3	7.53	141.7	7.74	145.7	7.83
	95	12.2	94.5	5.53	102.3	6.43	111.5	7.49	121.2	8.43	124.8	8.64	129.7	8.84	133.3	9.01
		15.2	94.5	5.42	102.3	6.33	111.5	7.37	121.2	8.29	124.8	8.50	129.7	8.71	133.3	8.87
		30.4	94.5	4.98	102.3	5.91	111.5	6.89	121.2	7.76	124.8	7.96	129.7	8.16	133.3	8.31
		38.0	94.5	4.86	102.3	5.78	111.5	6.74	121.2	7.61	124.8	7.80	129.7	8.00	133.3	8.12
		45.6	94.5	4.79	102.3	5.72	111.5	6.67	121.2	7.53	124.8	7.72	129.7	7.93	133.3	8.02
	104	12.2	85.8	5.95	92.8	6.92	101.2	8.05	110.0	9.08	113.2	9.29	117.7	9.51	121.0	9.69
		15.2	85.8	5.83	92.8	6.81	101.2	7.92	110.0	8.93	113.2	9.14	117.7	9.36	121.0	9.54
		30.4	85.8	5.37	92.8	6.36	101.2	7.41	110.0	8.36	113.2	8.55	117.7	8.77	121.0	8.95
		38.0	85.8	5.22	92.8	6.23	101.2	7.27	110.0	8.18	113.2	8.39	117.7	8.61	121.0	8.74
		45.6	85.8	5.15	92.8	6.17	101.2	7.20	110.0	8.09	113.2	8.31	117.7	8.53	121.0	8.64
	113	12.2	77.2	6.37	83.3	7.41	90.8	8.62	98.8	9.73	101.5	9.94	105.7	10.18	108.7	10.37
		15.2	77.2	6.25	83.3	7.29	90.8	8.48	98.8	9.57	101.5	9.78	105.7	10.02	108.7	10.21
		30.4	77.2	5.75	83.3	6.81	90.8	7.94	98.8	8.95	101.5	9.14	105.7	9.38	108.7	9.59
		38.0	77.2	5.59	83.3	6.68	90.8	7.80	98.8	8.76	101.5	8.98	105.7	9.22	108.7	9.36
		45.6	77.2	5.51	83.3	6.61	90.8	7.73	98.8	8.66	101.5	8.90	105.7	9.14	108.7	9.25
110	23	8.1	99.6	2.14	107.7	2.48	117.2	2.86	127.6	3.24	131.4	3.29	136.8	3.40	140.3	3.44
	32	9.0	99.6	2.14	107.7	2.48	117.2	2.86	127.6	3.24	131.4	3.29	136.8	3.40	140.3	3.44
	41	10.4	99.6	2.14	107.7	2.48	117.2	2.86	127.6	3.24	131.4	3.29	136.8	3.40	140.3	3.44
	50	12.2	99.6	2.14	107.7	2.48	117.2	2.86	127.6	3.24	131.4	3.29	136.8	3.40	140.3	3.44
		15.2	99.6	2.10	107.7	2.43	117.2	2.82	127.6	3.19	131.4	3.25	136.8	3.34	140.3	3.39
		30.4	99.6	1.93	107.7	2.26	117.2	2.65	127.6	2.99	131.4	3.07	136.8	3.11	140.3	3.17
		38.0	99.6	1.86	107.7	2.22	117.2	2.59	127.6	2.93	131.4	2.99	136.8	3.05	140.3	3.13
		45.6	99.6	1.83	107.7	2.19	117.2	2.56	127.6	2.90	131.4	2.95	136.8	3.01	140.3	3.11
	59	12.2	99.0	2.85	107.2	3.32	116.7	3.85	126.8	4.33	130.7	4.43	135.8	4.55	139.5	4.63
		15.2	99.0	2.80	107.2	3.26	116.7	3.79	126.8	4.27	130.7	4.36	135.8	4.47	139.5	4.55
		30.4	99.0	2.57	107.2	3.04	116.7	3.55	126.8	3.99	130.7	4.09	135.8	4.19	139.5	4.27
		38.0	99.0	2.49	107.2	2.97	116.7	3.47	126.8	3.91	130.7	4.01	135.8	4.11	139.5	4.17
		45.6	99.0	2.45	107.2	2.94	116.7	3.43	126.8	3.87	130.7	3.97	135.8	4.07	139.5	4.12
	67	12.2	98.5	3.49	106.7	4.06	116.2	4.73	126.2	5.31	130.0	5.44	135.0	5.56	138.8	5.68
		15.2	98.5	3.42	106.7	3.99	116.2	4.65	126.2	5.22	130.0	5.35	135.0	5.48	138.8	5.59
		30.4	98.5	3.15	106.7	3.72	116.2	4.35	126.2	4.89	130.0	5.00	135.0	5.14	138.8	5.24
		38.0	98.5	3.05	106.7	3.64	116.2	4.25	126.2	4.79	130.0	4.92	135.0	5.05	138.8	5.10
		45.6	98.5	3.00	106.7	3.60	116.2	4.20	126.2	4.75	130.0	4.88	135.0	5.00	138.8	5.03
	75	12.2	98.5	4.27	106.7	4.97	116.2	5.78	126.2	6.51	130.0	6.66	135.0	6.82	138.8	6.95
		15.2	98.5	4.19	106.7	4.89	116.2	5.69	126.2	6.41	130.0	6.55	135.0	6.71	138.8	6.84
		30.4	98.5	3.85	106.7	4.57	116.2	5.32	126.2	5.99	130.0	6.14	135.0	6.30	138.8	6.41
		38.0	98.5	3.74	106.7	4.47	116.2	5.21	126.2	5.86	130.0	6.02	135.0	6.17	138.8	6.25
		45.6	98.5	3.68	106.7	4.43	116.2	5.15	126.2	5.80	130.0	5.97	135.0	6.10	138.8	6.17
	86	12.2	98.5	5.20	106.7	6.06	116.2	7.05	126.2	7.94	130.0	8.12	135.0	8.33	138.8	8.47
		15.2	98.5	5.10	106.7	5.96	116.2	6.93	126.2	7.81	130.0	7.99	135.0	8.20	138.8	8.34
		30.4	98.5	4.70	106.7	5.56	116.2	6.49	126.2	7.30	130.0	7.48	135.0	7.67	138.8	7.81
		38.0	98.5	4.57	106.7	5.45	116.2	6.34	126.2	7.16	130.0	7.33	135.0	7.53	138.8	7.62
		45.6	98.5	4.51	106.7	5.39	116.2	6.27	126.2	7.09	130.0	7.26	135.0	7.45	138.8	7.53
	95	12.2	91.7	5.41	99.3	6.28	108.2	7.32	117.7	8.25	121.2	8.44	125.8	8.65	129.3	8.82
		15.2	91.7	5.30	99.3	6.18	108.2	7.21	117.7	8.12	121.2	8.31	125.8	8.52	129.3	8.68
		30.4	91.7	4.87	99.3	5.78	108.2	6.74	117.7	7.59	121.2	7.78	125.8	7.97	129.3	8.12
		38.0	91.7	4.75	99.3	5.66	108.2	6.60	117.7	7.45	121.2	7.62	125.8	7.83	129.3	7.92
		45.6	91.7	4.68	99.3	5.59	108.2	6.53	117.7	7.37	121.2	7.54	125.8	7.76	129.3	7.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	12.2	85.0	5.95	92.0	6.90	100.3	8.06	109.0	9.06	112.2	9.27	116.7	9.50	119.8	9.67
		15.2	85.0	5.83	92.0	6.79	100.3	7.92	109.0	8.92	112.2	9.12	116.7	9.35	119.8	9.52
		30.4	85.0	5.35	92.0	6.36	100.3	7.40	109.0	8.34	112.2	8.53	116.7	8.76	119.8	8.93
		38.0	85.0	5.21	92.0	6.22	100.3	7.25	109.0	8.18	112.2	8.37	116.7	8.60	119.8	8.71
		45.6	85.0	5.14	92.0	6.14	100.3	7.18	109.0	8.10	112.2	8.29	116.7	8.52	119.8	8.60
	113	12.2	78.3	6.49	84.7	7.51	92.5	8.79	100.3	9.87	103.2	10.10	107.5	10.34	110.3	10.53
		15.2	78.3	6.36	84.7	7.40	92.5	8.64	100.3	9.71	103.2	9.94	107.5	10.18	110.3	10.37
		30.4	78.3	5.83	84.7	6.93	92.5	8.05	100.3	9.09	103.2	9.28	107.5	9.54	110.3	9.75
		38.0	78.3	5.67	84.7	6.77	92.5	7.91	100.3	8.92	103.2	9.12	107.5	9.36	110.3	9.49
		45.6	78.3	5.59	84.7	6.69	92.5	7.84	100.3	8.83	103.2	9.04	107.5	9.28	110.3	9.36
100	23	8.1	93.7	1.99	101.3	2.33	110.3	2.70	120.0	3.02	123.7	3.10	128.3	3.20	132.0	3.27
	32	9.0	93.7	1.99	101.3	2.33	110.3	2.70	120.0	3.02	123.7	3.10	128.3	3.20	132.0	3.27
	41	10.4	93.7	1.99	101.3	2.33	110.3	2.70	120.0	3.02	123.7	3.10	128.3	3.20	132.0	3.27
	50	12.2	93.7	1.99	101.3	2.33	110.3	2.70	120.0	3.02	123.7	3.10	128.3	3.20	132.0	3.27
		15.2	93.7	1.95	101.3	2.29	110.3	2.66	120.0	2.98	123.7	3.06	128.3	3.15	132.0	3.21
		30.4	93.7	1.80	101.3	2.12	110.3	2.49	120.0	2.81	123.7	2.89	128.3	2.95	132.0	2.98
		38.0	93.7	1.77	101.3	2.07	110.3	2.44	120.0	2.73	123.7	2.81	128.3	2.89	132.0	2.94
		45.6	93.7	1.76	101.3	2.05	110.3	2.42	120.0	2.69	123.7	2.77	128.3	2.86	132.0	2.92
	59	12.2	93.7	2.70	101.3	3.15	110.3	3.67	120.0	4.12	123.7	4.22	128.3	4.33	132.0	4.42
		15.2	93.7	2.65	101.3	3.10	110.3	3.61	120.0	4.06	123.7	4.15	128.3	4.27	132.0	4.35
		30.4	93.7	2.44	101.3	2.89	110.3	3.37	120.0	3.80	123.7	3.90	128.3	3.99	132.0	4.06
		38.0	93.7	2.38	101.3	2.83	110.3	3.31	120.0	3.72	123.7	3.82	128.3	3.91	132.0	3.96
		45.6	93.7	2.35	101.3	2.80	110.3	3.28	120.0	3.68	123.7	3.78	128.3	3.87	132.0	3.91
	67	12.2	93.7	3.34	101.3	3.88	110.3	4.53	120.0	5.10	123.7	5.21	128.3	5.34	132.0	5.44
		15.2	93.7	3.28	101.3	3.82	110.3	4.46	120.0	5.02	123.7	5.13	128.3	5.26	132.0	5.35
		30.4	93.7	3.02	101.3	3.58	110.3	4.15	120.0	4.68	123.7	4.79	128.3	4.92	132.0	5.02
		38.0	93.7	2.92	101.3	3.50	110.3	4.07	120.0	4.60	123.7	4.71	128.3	4.83	132.0	4.87
		45.6	93.7	2.88	101.3	3.46	110.3	4.03	120.0	4.56	123.7	4.67	128.3	4.78	132.0	4.80
	75	12.2	93.7	4.08	101.3	4.74	110.3	5.52	120.0	6.22	123.7	6.37	128.3	6.51	132.0	6.64
		15.2	93.7	3.99	101.3	4.67	110.3	5.43	120.0	6.12	123.7	6.26	128.3	6.41	132.0	6.53
		30.4	93.7	3.67	101.3	4.36	110.3	5.08	120.0	5.72	123.7	5.85	128.3	6.01	132.0	6.10
		38.0	93.7	3.58	101.3	4.27	110.3	4.97	120.0	5.61	123.7	5.74	128.3	5.90	132.0	5.94
		45.6	93.7	3.53	101.3	4.22	110.3	4.91	120.0	5.55	123.7	5.68	128.3	5.84	132.0	5.86
	86	12.2	93.7	5.02	101.3	5.83	110.3	6.79	120.0	7.65	123.7	7.83	128.3	8.02	132.0	8.17
		15.2	93.7	4.92	101.3	5.74	110.3	6.68	120.0	7.53	123.7	7.70	128.3	7.89	132.0	8.04
		30.4	93.7	4.52	101.3	5.35	110.3	6.25	120.0	7.03	123.7	7.19	128.3	7.38	132.0	7.51
		38.0	93.7	4.39	101.3	5.24	110.3	6.12	120.0	6.89	123.7	7.06	128.3	7.24	132.0	7.32
		45.6	93.7	4.33	101.3	5.18	110.3	6.06	120.0	6.81	123.7	7.00	128.3	7.17	132.0	7.22
	95	12.2	89.0	5.30	96.3	6.16	104.8	7.16	114.0	8.07	117.5	8.27	122.0	8.46	125.3	8.61
		15.2	89.0	5.19	96.3	6.06	104.8	7.05	114.0	7.94	117.5	8.13	122.0	8.32	125.3	8.47
		30.4	89.0	4.78	96.3	5.66	104.8	6.58	114.0	7.41	117.5	7.61	122.0	7.80	125.3	7.92
		38.0	89.0	4.63	96.3	5.54	104.8	6.45	114.0	7.27	117.5	7.46	122.0	7.65	125.3	7.72
		45.6	89.0	4.56	96.3	5.49	104.8	6.39	114.0	7.20	117.5	7.39	122.0	7.58	125.3	7.61
	104	12.2	84.2	5.93	91.2	6.90	99.3	8.04	108.0	9.04	111.2	9.28	115.5	9.50	118.8	9.66
		15.2	84.2	5.82	91.2	6.79	99.3	7.91	108.0	8.90	111.2	9.12	115.5	9.35	118.8	9.51
		30.4	84.2	5.35	91.2	6.34	99.3	7.40	108.0	8.32	111.2	8.52	115.5	8.74	118.8	8.90
		38.0	84.2	5.21	91.2	6.22	99.3	7.24	108.0	8.16	111.2	8.37	115.5	8.58	118.8	8.66
		45.6	84.2	5.14	91.2	6.15	99.3	7.16	108.0	8.08	111.2	8.30	115.5	8.50	118.8	8.54
	113	12.2	79.3	6.57	86.0	7.65	93.8	8.91	102.0	10.02	104.8	10.29	109.0	10.54	112.3	10.71
		15.2	79.3	6.44	86.0	7.53	93.8	8.77	102.0	9.86	104.8	10.11	109.0	10.37	112.3	10.55
		30.4	79.3	5.93	86.0	7.03	93.8	8.21	102.0	9.23	104.8	9.43	109.0	9.68	112.3	9.87
		38.0	79.3	5.78	86.0	6.89	93.8	8.02	102.0	9.06	104.8	9.28	109.0	9.51	112.3	9.60
		45.6	79.3	5.71	86.0	6.81	93.8	7.93	102.0	8.97	104.8	9.21	109.0	9.42	112.3	9.47
90	23	8.1	84.2	1.72	91.2	2.00	99.3	2.30	108.0	2.62	111.2	2.69	115.5	2.77	118.8	2.81
	32	9.0	84.2	1.72	91.2	2.00	99.3	2.30	108.0	2.62	111.2	2.69	115.5	2.77	118.8	2.81
	41	10.4	84.2	1.72	91.2	2.00	99.3	2.30	108.0	2.62	111.2	2.69	115.5	2.77	118.8	2.81
	50	12.2	84.2	1.72	91.2	2.00	99.3	2.30	108.0	2.62	111.2	2.69	115.5	2.77	118.8	2.81
		15.2	84.2	1.69	91.2	1.97	99.3	2.27	108.0	2.58	111.2	2.64	115.5	2.72	118.8	2.77
		30.4	84.2	1.57	91.2	1.85	99.3	2.15	108.0	2.43	111.2	2.47	115.5	2.54	118.8	2.58
		38.0	84.2	1.51	91.2	1.82	99.3	2.09	108.0	2.37	111.2	2.43	115.5	2.49	118.8	2.50
		45.6	84.2	1.47	91.2	1.80	99.3	2.06	108.0	2.33	111.2	2.41	115.5	2.47	118.8	2.47

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	12.2	84.2	2.33	91.2	2.71	99.3	3.15	108.0	3.56	111.2	3.64	115.5	3.74	118.8	3.80
		15.2	84.2	2.28	91.2	2.67	99.3	3.10	108.0	3.50	111.2	3.58	115.5	3.67	118.8	3.74
		30.4	84.2	2.11	91.2	2.49	99.3	2.91	108.0	3.28	111.2	3.36	115.5	3.44	118.8	3.50
		38.0	84.2	2.05	91.2	2.44	99.3	2.84	108.0	3.21	111.2	3.29	115.5	3.37	118.8	3.40
		45.6	84.2	2.01	91.2	2.42	99.3	2.81	108.0	3.18	111.2	3.26	115.5	3.34	118.8	3.36
	67	12.2	84.2	2.87	91.2	3.35	99.3	3.90	108.0	4.39	111.2	4.48	115.5	4.59	118.8	4.67
		15.2	84.2	2.81	91.2	3.29	99.3	3.83	108.0	4.31	111.2	4.41	115.5	4.52	118.8	4.60
		30.4	84.2	2.59	91.2	3.07	99.3	3.58	108.0	4.03	111.2	4.14	115.5	4.23	118.8	4.31
		38.0	84.2	2.52	91.2	3.00	99.3	3.52	108.0	3.96	111.2	4.06	115.5	4.15	118.8	4.20
		45.6	84.2	2.49	91.2	2.97	99.3	3.48	108.0	3.93	111.2	4.02	115.5	4.11	118.8	4.15
	75	12.2	84.2	3.50	91.2	4.07	99.3	4.74	108.0	5.34	111.2	5.47	115.5	5.60	118.8	5.72
		15.2	84.2	3.44	91.2	4.01	99.3	4.67	108.0	5.26	111.2	5.38	115.5	5.51	118.8	5.62
		30.4	84.2	3.16	91.2	3.75	99.3	4.36	108.0	4.92	111.2	5.03	115.5	5.16	118.8	5.26
		38.0	84.2	3.07	91.2	3.67	99.3	4.28	108.0	4.83	111.2	4.94	115.5	5.06	118.8	5.13
		45.6	84.2	3.02	91.2	3.64	99.3	4.24	108.0	4.78	111.2	4.89	115.5	5.02	118.8	5.07
	86	12.2	84.2	4.32	91.2	5.02	99.3	5.85	108.0	6.58	111.2	6.74	115.5	6.90	118.8	7.03
		15.2	84.2	4.23	91.2	4.94	99.3	5.75	108.0	6.47	111.2	6.63	115.5	6.79	118.8	6.92
		30.4	84.2	3.88	91.2	4.62	99.3	5.37	108.0	6.06	111.2	6.20	115.5	6.36	118.8	6.47
		38.0	84.2	3.79	91.2	4.52	99.3	5.26	108.0	5.93	111.2	6.09	115.5	6.23	118.8	6.30
		45.6	84.2	3.74	91.2	4.47	99.3	5.20	108.0	5.86	111.2	6.03	115.5	6.17	118.8	6.21
	95	12.2	81.8	4.66	88.7	5.41	96.7	6.30	105.0	7.10	108.2	7.26	112.3	7.43	115.5	7.58
		15.2	81.8	4.57	88.7	5.32	96.7	6.20	105.0	6.98	108.2	7.14	112.3	7.32	115.5	7.46
		30.4	81.8	4.20	88.7	4.98	96.7	5.80	105.0	6.53	108.2	6.68	112.3	6.85	115.5	6.98
		38.0	81.8	4.07	88.7	4.87	96.7	5.67	105.0	6.41	108.2	6.57	112.3	6.73	115.5	6.79
		45.6	81.8	4.01	88.7	4.82	96.7	5.61	105.0	6.34	108.2	6.51	112.3	6.66	115.5	6.69
	104	12.2	79.5	5.35	86.2	6.22	93.8	7.24	102.0	8.15	105.0	8.35	109.2	8.56	112.2	8.70
		15.2	79.5	5.24	86.2	6.12	93.8	7.13	102.0	8.02	105.0	8.21	109.2	8.42	112.2	8.56
		30.4	79.5	4.83	86.2	5.72	93.8	6.66	102.0	7.49	105.0	7.69	109.2	7.88	112.2	8.02
		38.0	79.5	4.68	86.2	5.59	93.8	6.52	102.0	7.35	105.0	7.54	109.2	7.73	112.2	7.81
		45.6	79.5	4.61	86.2	5.53	93.8	6.45	102.0	7.28	105.0	7.47	109.2	7.66	112.2	7.71
	113	12.2	77.2	6.03	83.7	7.04	91.0	8.19	99.0	9.21	101.8	9.43	106.0	9.68	108.8	9.82
		15.2	77.2	5.91	83.7	6.92	91.0	8.05	99.0	9.06	101.8	9.28	106.0	9.52	108.8	9.67
		30.4	77.2	5.45	83.7	6.45	91.0	7.53	99.0	8.45	101.8	8.69	106.0	8.90	108.8	9.06
		38.0	77.2	5.29	83.7	6.31	91.0	7.37	99.0	8.29	101.8	8.52	106.0	8.74	108.8	8.84
		45.6	77.2	5.21	83.7	6.24	91.0	7.29	99.0	8.21	101.8	8.43	106.0	8.66	108.8	8.72
80	23	8.1	74.8	1.45	81.2	1.67	88.3	1.96	96.0	2.22	98.8	2.25	102.7	2.34	105.7	2.34
	32	9.0	74.8	1.45	81.2	1.67	88.3	1.96	96.0	2.22	98.8	2.25	102.7	2.34	105.7	2.34
	41	10.4	74.8	1.45	81.2	1.67	88.3	1.96	96.0	2.22	98.8	2.25	102.7	2.34	105.7	2.34
	50	12.2	74.8	1.45	81.2	1.67	88.3	1.96	96.0	2.22	98.8	2.25	102.7	2.34	105.7	2.34
		15.2	74.8	1.41	81.2	1.64	88.3	1.92	96.0	2.18	98.8	2.21	102.7	2.29	105.7	2.30
		30.4	74.8	1.29	81.2	1.55	88.3	1.78	96.0	2.03	98.8	2.08	102.7	2.12	105.7	2.15
		38.0	74.8	1.26	81.2	1.51	88.3	1.75	96.0	1.97	98.8	2.01	102.7	2.09	105.7	2.12
		45.6	74.8	1.25	81.2	1.48	88.3	1.74	96.0	1.93	98.8	1.98	102.7	2.08	105.7	2.11
	59	12.2	74.8	1.96	81.2	2.27	88.3	2.65	96.0	2.99	98.8	3.05	102.7	3.14	105.7	3.18
		15.2	74.8	1.92	81.2	2.24	88.3	2.60	96.0	2.94	98.8	3.00	102.7	3.08	105.7	3.13
		30.4	74.8	1.76	81.2	2.09	88.3	2.43	96.0	2.75	98.8	2.81	102.7	2.88	105.7	2.92
		38.0	74.8	1.71	81.2	2.05	88.3	2.38	96.0	2.68	98.8	2.75	102.7	2.83	105.7	2.86
		45.6	74.8	1.69	81.2	2.02	88.3	2.36	96.0	2.65	98.8	2.72	102.7	2.80	105.7	2.83
	67	12.2	74.8	2.41	81.2	2.81	88.3	3.26	96.0	3.67	98.8	3.77	102.7	3.85	105.7	3.93
		15.2	74.8	2.36	81.2	2.76	88.3	3.21	96.0	3.61	98.8	3.71	102.7	3.79	105.7	3.87
		30.4	74.8	2.17	81.2	2.57	88.3	3.00	96.0	3.39	98.8	3.47	102.7	3.55	105.7	3.61
		38.0	74.8	2.11	81.2	2.52	88.3	2.94	96.0	3.32	98.8	3.40	102.7	3.48	105.7	3.52
		45.6	74.8	2.08	81.2	2.50	88.3	2.91	96.0	3.29	98.8	3.37	102.7	3.45	105.7	3.47
	75	12.2	74.8	2.93	81.2	3.41	88.3	3.98	96.0	4.48	98.8	4.60	102.7	4.71	105.7	4.79
		15.2	74.8	2.88	81.2	3.36	88.3	3.91	96.0	4.41	98.8	4.52	102.7	4.63	105.7	4.71
		30.4	74.8	2.65	81.2	3.15	88.3	3.66	96.0	4.12	98.8	4.22	102.7	4.33	105.7	4.41
		38.0	74.8	2.57	81.2	3.08	88.3	3.59	96.0	4.04	98.8	4.14	102.7	4.25	105.7	4.30
		45.6	74.8	2.53	81.2	3.05	88.3	3.56	96.0	4.00	98.8	4.10	102.7	4.21	105.7	4.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	12.2	74.8	3.62	81.2	4.21	88.3	4.91	96.0	5.53	98.8	5.65	102.7	5.78	105.7	5.90
		15.2	74.8	3.55	81.2	4.14	88.3	4.83	96.0	5.43	98.8	5.56	102.7	5.69	105.7	5.80
		30.4	74.8	3.26	81.2	3.87	88.3	4.51	96.0	5.06	98.8	5.19	102.7	5.32	105.7	5.42
		38.0	74.8	3.16	81.2	3.79	88.3	4.41	96.0	4.97	98.8	5.10	102.7	5.22	105.7	5.27
		45.6	74.8	3.12	81.2	3.75	88.3	4.36	96.0	4.92	98.8	5.05	102.7	5.18	105.7	5.20
	95	12.2	74.8	4.03	81.2	4.68	88.3	5.44	96.0	6.12	98.8	6.27	102.7	6.43	105.7	6.54
		15.2	74.8	3.95	81.2	4.60	88.3	5.35	96.0	6.02	98.8	6.17	102.7	6.33	105.7	6.44
		30.4	74.8	3.63	81.2	4.30	88.3	5.00	96.0	5.64	98.8	5.77	102.7	5.91	105.7	6.02
		38.0	74.8	3.53	81.2	4.20	88.3	4.91	96.0	5.53	98.8	5.66	102.7	5.82	105.7	5.86
		45.6	74.8	3.48	81.2	4.15	88.3	4.86	96.0	5.47	98.8	5.60	102.7	5.77	105.7	5.78
	104	12.2	74.8	4.76	81.2	5.54	88.3	6.45	96.0	7.26	98.8	7.42	102.7	7.61	105.7	7.74
		15.2	74.8	4.67	81.2	5.45	88.3	6.34	96.0	7.14	98.8	7.30	102.7	7.49	105.7	7.62
		30.4	74.8	4.30	81.2	5.08	88.3	5.93	96.0	6.68	98.8	6.84	102.7	7.01	105.7	7.14
		38.0	74.8	4.17	81.2	4.98	88.3	5.80	96.0	6.55	98.8	6.71	102.7	6.87	105.7	6.95
		45.6	74.8	4.11	81.2	4.94	88.3	5.74	96.0	6.49	98.8	6.65	102.7	6.80	105.7	6.85
	113	12.2	74.8	5.49	81.2	6.40	88.3	7.45	96.0	8.40	98.8	8.57	102.7	8.80	105.7	8.94
		15.2	74.8	5.38	81.2	6.30	88.3	7.33	96.0	8.26	98.8	8.44	102.7	8.66	105.7	8.80
		30.4	74.8	4.97	81.2	5.86	88.3	6.85	96.0	7.72	98.8	7.91	102.7	8.12	105.7	8.26
		38.0	74.8	4.81	81.2	5.77	88.3	6.69	96.0	7.57	98.8	7.76	102.7	7.92	105.7	8.04
		45.6	74.8	4.73	81.2	5.72	88.3	6.61	96.0	7.50	98.8	7.69	102.7	7.83	105.7	7.93
70	23	8.1	65.5	1.21	71.0	1.39	77.3	1.64	84.0	1.85	86.5	1.85	89.8	1.92	92.3	1.95
	32	9.0	65.5	1.21	71.0	1.39	77.3	1.64	84.0	1.85	86.5	1.85	89.8	1.92	92.3	1.95
	41	10.4	65.5	1.21	71.0	1.39	77.3	1.64	84.0	1.85	86.5	1.85	89.8	1.92	92.3	1.95
	50	12.2	65.5	1.21	71.0	1.39	77.3	1.64	84.0	1.85	86.5	1.85	89.8	1.92	92.3	1.95
		15.2	65.5	1.18	71.0	1.37	77.3	1.62	84.0	1.82	86.5	1.83	89.8	1.89	92.3	1.92
		30.4	65.5	1.09	71.0	1.29	77.3	1.51	84.0	1.69	86.5	1.72	89.8	1.77	92.3	1.82
		38.0	65.5	1.04	71.0	1.24	77.3	1.46	84.0	1.64	86.5	1.67	89.8	1.74	92.3	1.77
		45.6	65.5	1.02	71.0	1.22	77.3	1.44	84.0	1.62	86.5	1.65	89.8	1.72	92.3	1.75
	59	12.2	65.5	1.63	71.0	1.88	77.3	2.21	84.0	2.48	86.5	2.53	89.8	2.60	92.3	2.64
		15.2	65.5	1.60	71.0	1.85	77.3	2.17	84.0	2.44	86.5	2.49	89.8	2.56	92.3	2.60
		30.4	65.5	1.47	71.0	1.74	77.3	2.03	84.0	2.28	86.5	2.33	89.8	2.40	92.3	2.44
		38.0	65.5	1.42	71.0	1.69	77.3	1.98	84.0	2.24	86.5	2.28	89.8	2.35	92.3	2.38
		45.6	65.5	1.40	71.0	1.67	77.3	1.96	84.0	2.21	86.5	2.26	89.8	2.32	92.3	2.35
	67	12.2	65.5	2.01	71.0	2.32	77.3	2.71	84.0	3.05	86.5	3.14	89.8	3.20	92.3	3.26
		15.2	65.5	1.97	71.0	2.28	77.3	2.67	84.0	3.00	86.5	3.08	89.8	3.15	92.3	3.21
		30.4	65.5	1.81	71.0	2.14	77.3	2.49	84.0	2.81	86.5	2.88	89.8	2.96	92.3	3.00
		38.0	65.5	1.76	71.0	2.09	77.3	2.44	84.0	2.76	86.5	2.83	89.8	2.89	92.3	2.92
		45.6	65.5	1.73	71.0	2.07	77.3	2.42	84.0	2.74	86.5	2.80	89.8	2.86	92.3	2.88
	75	12.2	65.5	2.45	71.0	2.84	77.3	3.31	84.0	3.74	86.5	3.82	89.8	3.92	92.3	3.98
		15.2	65.5	2.40	71.0	2.80	77.3	3.26	84.0	3.67	86.5	3.75	89.8	3.85	92.3	3.91
		30.4	65.5	2.20	71.0	2.62	77.3	3.05	84.0	3.44	86.5	3.52	89.8	3.59	92.3	3.66
		38.0	65.5	2.14	71.0	2.56	77.3	2.99	84.0	3.36	86.5	3.45	89.8	3.53	92.3	3.56
		45.6	65.5	2.11	71.0	2.52	77.3	2.96	84.0	3.32	86.5	3.42	89.8	3.50	92.3	3.52
	86	12.2	65.5	3.02	71.0	3.49	77.3	4.08	84.0	4.58	86.5	4.69	89.8	4.81	92.3	4.89
		15.2	65.5	2.96	71.0	3.44	77.3	4.01	84.0	4.51	86.5	4.62	89.8	4.73	92.3	4.81
		30.4	65.5	2.72	71.0	3.21	77.3	3.74	84.0	4.22	86.5	4.31	89.8	4.43	92.3	4.51
		38.0	65.5	2.64	71.0	3.15	77.3	3.67	84.0	4.14	86.5	4.23	89.8	4.35	92.3	4.39
		45.6	65.5	2.60	71.0	3.12	77.3	3.64	84.0	4.10	86.5	4.19	89.8	4.31	92.3	4.34
	95	12.2	65.5	3.34	71.0	3.88	77.3	4.53	84.0	5.10	86.5	5.21	89.8	5.34	92.3	5.44
		15.2	65.5	3.28	71.0	3.82	77.3	4.46	84.0	5.02	86.5	5.13	89.8	5.26	92.3	5.35
		30.4	65.5	3.02	71.0	3.58	77.3	4.15	84.0	4.68	86.5	4.79	89.8	4.92	92.3	5.02
		38.0	65.5	2.92	71.0	3.50	77.3	4.07	84.0	4.60	86.5	4.71	89.8	4.83	92.3	4.87
		45.6	65.5	2.88	71.0	3.46	77.3	4.03	84.0	4.56	86.5	4.67	89.8	4.78	92.3	4.80
	104	12.2	65.5	3.96	71.0	4.59	77.3	5.36	84.0	6.02	86.5	6.17	89.8	6.33	92.3	6.45
		15.2	65.5	3.88	71.0	4.52	77.3	5.27	84.0	5.93	86.5	6.07	89.8	6.23	92.3	6.34
		30.4	65.5	3.56	71.0	4.23	77.3	4.92	84.0	5.54	86.5	5.69	89.8	5.83	92.3	5.93
		38.0	65.5	3.47	71.0	4.14	77.3	4.83	84.0	5.45	86.5	5.58	89.8	5.72	92.3	5.78
		45.6	65.5	3.42	71.0	4.09	77.3	4.78	84.0	5.40	86.5	5.52	89.8	5.66	92.3	5.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	12.2	65.5	4.59	71.0	5.31	77.3	6.19	84.0	6.95	86.5	7.12	89.8	7.32	92.3	7.46
		15.2	65.5	4.49	71.0	5.22	77.3	6.09	84.0	6.84	86.5	7.01	89.8	7.21	92.3	7.33
		30.4	65.5	4.11	71.0	4.89	77.3	5.69	84.0	6.41	86.5	6.58	89.8	6.74	92.3	6.84
		38.0	65.5	4.01	71.0	4.78	77.3	5.58	84.0	6.30	86.5	6.44	89.8	6.61	92.3	6.69
		45.6	65.5	3.96	71.0	4.72	77.3	5.52	84.0	6.24	86.5	6.37	89.8	6.55	92.3	6.62
60	23	8.1	56.2	0.98	60.8	1.13	66.2	1.30	72.0	1.47	74.2	1.51	77.0	1.56	79.2	1.56
	32	9.0	56.2	0.98	60.8	1.13	66.2	1.30	72.0	1.47	74.2	1.51	77.0	1.56	79.2	1.56
	41	10.4	56.2	0.98	60.8	1.13	66.2	1.30	72.0	1.47	74.2	1.51	77.0	1.56	79.2	1.56
	50	12.2	56.2	0.98	60.8	1.13	66.2	1.30	72.0	1.47	74.2	1.51	77.0	1.56	79.2	1.56
		15.2	56.2	0.95	60.8	1.11	66.2	1.28	72.0	1.45	74.2	1.48	77.0	1.52	79.2	1.54
		30.4	56.2	0.86	60.8	1.03	66.2	1.18	72.0	1.35	74.2	1.35	77.0	1.40	79.2	1.45
		38.0	56.2	0.83	60.8	1.00	66.2	1.17	72.0	1.32	74.2	1.34	77.0	1.37	79.2	1.38
		45.6	56.2	0.81	60.8	0.98	66.2	1.16	72.0	1.31	74.2	1.33	77.0	1.35	79.2	1.35
	59	12.2	56.2	1.31	60.8	1.51	66.2	1.75	72.0	1.98	74.2	2.03	77.0	2.08	79.2	2.11
		15.2	56.2	1.28	60.8	1.49	66.2	1.73	72.0	1.95	74.2	2.00	77.0	2.05	79.2	2.08
		30.4	56.2	1.17	60.8	1.39	66.2	1.61	72.0	1.82	74.2	1.85	77.0	1.90	79.2	1.95
		38.0	56.2	1.13	60.8	1.36	66.2	1.58	72.0	1.79	74.2	1.82	77.0	1.87	79.2	1.89
		45.6	56.2	1.12	60.8	1.34	66.2	1.57	72.0	1.77	74.2	1.81	77.0	1.85	79.2	1.85
	67	12.2	56.2	1.60	60.8	1.85	66.2	2.16	72.0	2.44	74.2	2.50	77.0	2.55	79.2	2.60
		15.2	56.2	1.57	60.8	1.82	66.2	2.12	72.0	2.40	74.2	2.46	77.0	2.51	79.2	2.56
		30.4	56.2	1.44	60.8	1.71	66.2	2.00	72.0	2.24	74.2	2.30	77.0	2.35	79.2	2.40
		38.0	56.2	1.41	60.8	1.68	66.2	1.95	72.0	2.20	74.2	2.25	77.0	2.32	79.2	2.33
		45.6	56.2	1.39	60.8	1.66	66.2	1.93	72.0	2.19	74.2	2.23	77.0	2.30	79.2	2.30
	75	12.2	56.2	1.96	60.8	2.26	66.2	2.63	72.0	2.97	74.2	3.04	77.0	3.12	79.2	3.16
		15.2	56.2	1.92	60.8	2.22	66.2	2.59	72.0	2.92	74.2	2.99	77.0	3.07	79.2	3.12
		30.4	56.2	1.76	60.8	2.08	66.2	2.43	72.0	2.73	74.2	2.80	77.0	2.88	79.2	2.92
		38.0	56.2	1.71	60.8	2.05	66.2	2.38	72.0	2.68	74.2	2.75	77.0	2.81	79.2	2.84
		45.6	56.2	1.69	60.8	2.03	66.2	2.36	72.0	2.66	74.2	2.72	77.0	2.78	79.2	2.80
	86	12.2	56.2	2.40	60.8	2.80	66.2	3.25	72.0	3.66	74.2	3.74	77.0	3.83	79.2	3.90
		15.2	56.2	2.35	60.8	2.75	66.2	3.20	72.0	3.59	74.2	3.67	77.0	3.77	79.2	3.83
		30.4	56.2	2.16	60.8	2.56	66.2	2.99	72.0	3.36	74.2	3.44	77.0	3.53	79.2	3.59
		38.0	56.2	2.11	60.8	2.51	66.2	2.92	72.0	3.29	74.2	3.37	77.0	3.47	79.2	3.50
		45.6	56.2	2.09	60.8	2.48	66.2	2.89	72.0	3.26	74.2	3.34	77.0	3.44	79.2	3.45
	95	12.2	56.2	2.66	60.8	3.10	66.2	3.60	72.0	4.06	74.2	4.16	77.0	4.25	79.2	4.33
		15.2	56.2	2.60	60.8	3.05	66.2	3.55	72.0	3.99	74.2	4.09	77.0	4.19	79.2	4.27
		30.4	56.2	2.40	60.8	2.84	66.2	3.32	72.0	3.74	74.2	3.82	77.0	3.93	79.2	3.99
		38.0	56.2	2.33	60.8	2.78	66.2	3.24	72.0	3.66	74.2	3.75	77.0	3.85	79.2	3.88
		45.6	56.2	2.30	60.8	2.75	66.2	3.20	72.0	3.62	74.2	3.72	77.0	3.81	79.2	3.83
	104	12.2	56.2	3.16	60.8	3.67	66.2	4.27	72.0	4.81	74.2	4.92	77.0	5.05	79.2	5.13
		15.2	56.2	3.10	60.8	3.61	66.2	4.20	72.0	4.73	74.2	4.84	77.0	4.97	79.2	5.05
		30.4	56.2	2.84	60.8	3.37	66.2	3.93	72.0	4.43	74.2	4.52	77.0	4.65	79.2	4.73
		38.0	56.2	2.76	60.8	3.31	66.2	3.85	72.0	4.33	74.2	4.44	77.0	4.55	79.2	4.60
		45.6	56.2	2.72	60.8	3.28	66.2	3.81	72.0	4.28	74.2	4.40	77.0	4.51	79.2	4.54
	113	12.2	56.2	3.67	60.8	4.24	66.2	4.94	72.0	5.55	74.2	5.68	77.0	5.85	79.2	5.92
		15.2	56.2	3.59	60.8	4.17	66.2	4.86	72.0	5.46	74.2	5.59	77.0	5.75	79.2	5.83
		30.4	56.2	3.29	60.8	3.90	66.2	4.54	72.0	5.11	74.2	5.22	77.0	5.37	79.2	5.46
		38.0	56.2	3.20	60.8	3.83	66.2	4.46	72.0	5.00	74.2	5.13	77.0	5.26	79.2	5.32
		45.6	56.2	3.15	60.8	3.80	66.2	4.42	72.0	4.95	74.2	5.08	77.0	5.20	79.2	5.25
50	23	8.1	46.8	0.70	50.7	0.83	55.2	0.99	60.0	1.10	61.8	1.11	64.2	1.14	66.0	1.17
	32	9.0	46.8	0.70	50.7	0.83	55.2	0.99	60.0	1.10	61.8	1.11	64.2	1.14	66.0	1.17
	41	10.4	46.8	0.70	50.7	0.83	55.2	0.99	60.0	1.10	61.8	1.11	64.2	1.14	66.0	1.17
	50	12.2	46.8	0.70	50.7	0.83	55.2	0.99	60.0	1.10	61.8	1.11	64.2	1.14	66.0	1.17
		15.2	46.8	0.69	50.7	0.81	55.2	0.97	60.0	1.08	61.8	1.09	64.2	1.12	66.0	1.15
		30.4	46.8	0.66	50.7	0.77	55.2	0.87	60.0	1.00	61.8	1.03	64.2	1.04	66.0	1.08
		38.0	46.8	0.63	50.7	0.74	55.2	0.88	60.0	0.97	61.8	1.00	64.2	1.01	66.0	1.03
		45.6	46.8	0.62	50.7	0.72	55.2	0.88	60.0	0.95	61.8	0.98	64.2	1.00	66.0	1.00
	59	12.2	46.8	0.96	50.7	1.12	55.2	1.32	60.0	1.48	61.8	1.51	64.2	1.54	66.0	1.57
		15.2	46.8	0.94	50.7	1.10	55.2	1.29	60.0	1.45	61.8	1.49	64.2	1.52	66.0	1.55
		30.4	46.8	0.88	50.7	1.04	55.2	1.20	60.0	1.36	61.8	1.39	64.2	1.42	66.0	1.45
		38.0	46.8	0.85	50.7	1.01	55.2	1.18	60.0	1.33	61.8	1.36	64.2	1.39	66.0	1.41
		45.6	46.8	0.83	50.7	0.99	55.2	1.17	60.0	1.31	61.8	1.34	64.2	1.37	66.0	1.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	12.2	46.8	1.19	50.7	1.38	55.2	1.61	60.0	1.82	61.8	1.87	64.2	1.90	66.0	1.93
		15.2	46.8	1.17	50.7	1.36	55.2	1.58	60.0	1.79	61.8	1.84	64.2	1.87	66.0	1.90
		30.4	46.8	1.07	50.7	1.28	55.2	1.49	60.0	1.68	61.8	1.71	64.2	1.76	66.0	1.79
		38.0	46.8	1.04	50.7	1.25	55.2	1.45	60.0	1.65	61.8	1.68	64.2	1.73	66.0	1.74
		45.6	46.8	1.02	50.7	1.23	55.2	1.44	60.0	1.63	61.8	1.66	64.2	1.71	66.0	1.72
	75	12.2	46.8	1.45	50.7	1.69	55.2	1.97	60.0	2.21	61.8	2.27	64.2	2.32	66.0	2.37
		15.2	46.8	1.42	50.7	1.66	55.2	1.93	60.0	2.17	61.8	2.24	64.2	2.28	66.0	2.33
		30.4	46.8	1.31	50.7	1.55	55.2	1.81	60.0	2.05	61.8	2.09	64.2	2.14	66.0	2.17
		38.0	46.8	1.28	50.7	1.52	55.2	1.77	60.0	2.00	61.8	2.05	64.2	2.09	66.0	2.12
		45.6	46.8	1.26	50.7	1.50	55.2	1.76	60.0	1.97	61.8	2.02	64.2	2.07	66.0	2.10
	86	12.2	46.8	1.79	50.7	2.08	55.2	2.42	60.0	2.73	61.8	2.79	64.2	2.86	66.0	2.90
		15.2	46.8	1.76	50.7	2.05	55.2	2.38	60.0	2.68	61.8	2.75	64.2	2.81	66.0	2.86
		30.4	46.8	1.61	50.7	1.92	55.2	2.22	60.0	2.51	61.8	2.57	64.2	2.64	66.0	2.68
		38.0	46.8	1.57	50.7	1.87	55.2	2.17	60.0	2.46	61.8	2.52	64.2	2.59	66.0	2.60
		45.6	46.8	1.54	50.7	1.85	55.2	2.15	60.0	2.44	61.8	2.50	64.2	2.56	66.0	2.56
	95	12.2	46.8	1.99	50.7	2.31	55.2	2.70	60.0	3.02	61.8	3.10	64.2	3.18	66.0	3.23
		15.2	46.8	1.95	50.7	2.27	55.2	2.65	60.0	2.97	61.8	3.05	64.2	3.13	66.0	3.18
		30.4	46.8	1.79	50.7	2.12	55.2	2.48	60.0	2.78	61.8	2.84	64.2	2.92	66.0	2.97
		38.0	46.8	1.74	50.7	2.08	55.2	2.43	60.0	2.73	61.8	2.80	64.2	2.88	66.0	2.89
		45.6	46.8	1.72	50.7	2.05	55.2	2.40	60.0	2.71	61.8	2.77	64.2	2.85	66.0	2.85
	104	12.2	46.8	2.35	50.7	2.73	55.2	3.18	60.0	3.59	61.8	3.67	64.2	3.77	66.0	3.83
		15.2	46.8	2.30	50.7	2.68	55.2	3.13	60.0	3.53	61.8	3.61	64.2	3.71	66.0	3.77
		30.4	46.8	2.12	50.7	2.51	55.2	2.92	60.0	3.29	61.8	3.37	64.2	3.47	66.0	3.53
		38.0	46.8	2.06	50.7	2.46	55.2	2.88	60.0	3.23	61.8	3.31	64.2	3.40	66.0	3.44
		45.6	46.8	2.03	50.7	2.44	55.2	2.85	60.0	3.20	61.8	3.28	64.2	3.37	66.0	3.39
	113	12.2	46.8	2.70	50.7	3.15	55.2	3.67	60.0	4.16	61.8	4.24	64.2	4.35	66.0	4.43
		15.2	46.8	2.65	50.7	3.10	55.2	3.61	60.0	4.09	61.8	4.17	64.2	4.28	66.0	4.36
		30.4	46.8	2.46	50.7	2.89	55.2	3.37	60.0	3.80	61.8	3.90	64.2	4.01	66.0	4.09
		38.0	46.8	2.38	50.7	2.84	55.2	3.32	60.0	3.72	61.8	3.82	64.2	3.93	66.0	3.98
		45.6	46.8	2.34	50.7	2.82	55.2	3.30	60.0	3.68	61.8	3.78	64.2	3.89	66.0	3.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	9.4	133.6	2.95	144.9	3.45	158.1	4.02	171.5	4.53	176.5	4.66	183.5	4.75	188.5	4.79
	32	10.5	133.6	2.95	144.9	3.45	158.1	4.02	171.5	4.53	176.5	4.66	183.5	4.75	188.5	4.79
	41	12.1	133.6	2.95	144.9	3.45	158.1	4.02	171.5	4.53	176.5	4.66	183.5	4.75	188.5	4.79
	50	14.2	133.6	2.95	144.9	3.45	158.1	4.02	171.5	4.53	176.5	4.66	183.5	4.75	188.5	4.79
		17.8	133.6	2.89	144.9	3.40	158.1	3.96	171.5	4.46	176.5	4.58	183.5	4.67	188.5	4.73
		35.5	133.6	2.68	144.9	3.19	158.1	3.71	171.5	4.17	176.5	4.25	183.5	4.38	188.5	4.48
		44.4	133.6	2.61	144.9	3.11	158.1	3.63	171.5	4.07	176.5	4.19	183.5	4.29	188.5	4.36
		53.3	133.6	2.57	144.9	3.07	158.1	3.59	171.5	4.02	176.5	4.16	183.5	4.24	188.5	4.30
	59	14.2	131.6	3.89	142.6	4.53	155.4	5.28	168.8	5.95	173.8	6.09	180.6	6.23	185.6	6.32
		17.8	131.6	3.82	142.6	4.45	155.4	5.19	168.8	5.85	173.8	5.99	180.6	6.13	185.6	6.23
		35.5	131.6	3.52	142.6	4.18	155.4	4.85	168.8	5.47	173.8	5.59	180.6	5.75	185.6	5.87
		44.4	131.6	3.42	142.6	4.08	155.4	4.75	168.8	5.35	173.8	5.49	180.6	5.63	185.6	5.73
		53.3	131.6	3.37	142.6	4.03	155.4	4.70	168.8	5.29	173.8	5.44	180.6	5.57	185.6	5.66
	67	14.2	129.8	4.73	140.6	5.48	153.0	6.40	166.4	7.21	171.4	7.37	178.0	7.55	183.0	7.69
		17.8	129.8	4.63	140.6	5.39	153.0	6.29	166.4	7.09	171.4	7.25	178.0	7.43	183.0	7.57
		35.5	129.8	4.26	140.6	5.05	153.0	5.87	166.4	6.63	171.4	6.79	178.0	6.97	183.0	7.11
		44.4	129.8	4.14	140.6	4.93	153.0	5.75	166.4	6.49	171.4	6.65	178.0	6.83	183.0	6.95
		53.3	129.8	4.08	140.6	4.87	153.0	5.69	166.4	6.42	171.4	6.58	178.0	6.76	183.0	6.87
	75	14.2	129.8	5.83	140.6	6.76	153.0	7.88	166.4	8.87	171.4	9.10	178.0	9.32	183.0	9.47
		17.8	129.8	5.71	140.6	6.65	153.0	7.75	166.4	8.73	171.4	8.95	178.0	9.17	183.0	9.33
		35.5	129.8	5.25	140.6	6.23	153.0	7.25	166.4	8.17	171.4	8.37	178.0	8.59	183.0	8.77
		44.4	129.8	5.11	140.6	6.09	153.0	7.11	166.4	8.01	171.4	8.21	178.0	8.43	183.0	8.57
		53.3	129.8	5.04	140.6	6.02	153.0	7.04	166.4	7.93	171.4	8.13	178.0	8.35	183.0	8.47
	86	14.2	129.8	6.99	140.6	8.12	153.0	9.46	166.4	10.66	171.4	10.90	178.0	11.18	183.0	11.35
		17.8	129.8	6.85	140.6	7.99	153.0	9.31	166.4	10.49	171.4	10.73	178.0	11.01	183.0	11.19
		35.5	129.8	6.29	140.6	7.47	153.0	8.71	166.4	9.81	171.4	10.05	178.0	10.31	183.0	10.53
		44.4	129.8	6.13	140.6	7.31	153.0	8.53	166.4	9.61	171.4	9.87	178.0	10.11	183.0	10.29
		53.3	129.8	6.05	140.6	7.23	153.0	8.44	166.4	9.51	171.4	9.78	178.0	10.01	183.0	10.17
	95	14.2	116.8	7.07	126.4	8.23	137.8	9.56	149.8	10.78	154.2	11.02	160.2	11.30	164.6	11.50
		17.8	116.8	6.93	126.4	8.09	137.8	9.41	149.8	10.61	154.2	10.85	160.2	11.13	164.6	11.33
		35.5	116.8	6.37	126.4	7.55	137.8	8.81	149.8	9.91	154.2	10.17	160.2	10.43	164.6	10.63
		44.4	116.8	6.19	126.4	7.39	137.8	8.63	149.8	9.71	154.2	9.97	160.2	10.23	164.6	10.41
		53.3	116.8	6.10	126.4	7.31	137.8	8.54	149.8	9.61	154.2	9.87	160.2	10.13	164.6	10.30
	104	14.2	103.8	7.46	112.4	8.67	122.4	10.09	133.0	11.37	137.0	11.63	142.4	11.91	146.4	12.13
		17.8	103.8	7.31	112.4	8.53	122.4	9.93	133.0	11.19	137.0	11.45	142.4	11.73	146.4	11.95
		35.5	103.8	6.71	112.4	7.97	122.4	9.29	133.0	10.45	137.0	10.71	142.4	11.01	146.4	11.23
		44.4	103.8	6.53	112.4	7.79	122.4	9.09	133.0	10.25	137.0	10.51	142.4	10.79	146.4	10.97
		53.3	103.8	6.44	112.4	7.70	122.4	8.99	133.0	10.15	137.0	10.41	142.4	10.68	146.4	10.84
	113	14.2	90.8	7.85	98.4	9.12	107.0	10.62	116.2	11.96	119.8	12.25	124.6	12.51	128.2	12.75
		17.8	90.8	7.69	98.4	8.97	107.0	10.45	116.2	11.77	119.8	12.05	124.6	12.33	128.2	12.57
		35.5	90.8	7.05	98.4	8.39	107.0	9.77	116.2	10.99	119.8	11.25	124.6	11.59	128.2	11.83
		44.4	90.8	6.87	98.4	8.19	107.0	9.55	116.2	10.79	119.8	11.05	124.6	11.35	128.2	11.53
		53.3	90.8	6.78	98.4	8.09	107.0	9.44	116.2	10.69	119.8	10.95	124.6	11.23	128.2	11.38
120	23	9.4	126.6	2.82	137.2	3.25	149.2	3.83	162.4	4.29	167.4	4.42	173.8	4.51	178.6	4.59
	32	10.5	126.6	2.82	137.2	3.25	149.2	3.83	162.4	4.29	167.4	4.42	173.8	4.51	178.6	4.59
	41	12.1	126.6	2.82	137.2	3.25	149.2	3.83	162.4	4.29	167.4	4.42	173.8	4.51	178.6	4.59
	50	14.2	126.6	2.82	137.2	3.25	149.2	3.83	162.4	4.29	167.4	4.42	173.8	4.51	178.6	4.59
		17.8	126.6	2.76	137.2	3.20	149.2	3.76	162.4	4.22	167.4	4.34	173.8	4.43	178.6	4.51
		35.5	126.6	2.52	137.2	2.99	149.2	3.49	162.4	3.95	167.4	4.03	173.8	4.15	178.6	4.20
		44.4	126.6	2.49	137.2	2.93	149.2	3.45	162.4	3.88	167.4	3.95	173.8	4.07	178.6	4.13
		53.3	126.6	2.47	137.2	2.90	149.2	3.44	162.4	3.84	167.4	3.91	173.8	4.03	178.6	4.09
	59	14.2	125.2	3.73	135.6	4.33	147.6	5.06	160.6	5.68	165.4	5.83	171.8	5.97	176.6	6.07
		17.8	125.2	3.66	135.6	4.26	147.6	4.97	160.6	5.59	165.4	5.73	171.8	5.87	176.6	5.97
		35.5	125.2	3.36	135.6	3.98	147.6	4.63	160.6	5.23	165.4	5.35	171.8	5.49	176.6	5.59
		44.4	125.2	3.28	135.6	3.90	147.6	4.55	160.6	5.13	165.4	5.25	171.8	5.39	176.6	5.47
		53.3	125.2	3.24	135.6	3.86	147.6	4.52	160.6	5.08	165.4	5.20	171.8	5.34	176.6	5.41
	67	14.2	124.0	4.55	134.2	5.28	146.2	6.15	159.0	6.92	163.6	7.08	170.0	7.27	174.8	7.38
		17.8	124.0	4.45	134.2	5.19	146.2	6.05	159.0	6.81	163.6	6.97	170.0	7.15	174.8	7.27
		35.5	124.0	4.10	134.2	4.85	146.2	5.65	159.0	6.37	163.6	6.53	170.0	6.69	174.8	6.83
		44.4	124.0	3.98	134.2	4.75	146.2	5.53	159.0	6.25	163.6	6.41	170.0	6.57	174.8	6.67
		53.3	124.0	3.92	134.2	4.70	146.2	5.47	159.0	6.19	163.6	6.35	170.0	6.51	174.8	6.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	14.2	124.0	5.58	134.2	6.47	146.2	7.55	159.0	8.51	163.6	8.71	170.0	8.93	174.8	9.09
		17.8	124.0	5.47	134.2	6.37	146.2	7.43	159.0	8.37	163.6	8.57	170.0	8.79	174.8	8.95
		35.5	124.0	5.03	134.2	5.97	146.2	6.95	159.0	7.83	163.6	8.01	170.0	8.23	174.8	8.39
		44.4	124.0	4.89	134.2	5.83	146.2	6.81	159.0	7.67	163.6	7.87	170.0	8.07	174.8	8.19
		53.3	124.0	4.82	134.2	5.76	146.2	6.74	159.0	7.59	163.6	7.80	170.0	7.99	174.8	8.09
	86	14.2	124.0	6.74	134.2	7.84	146.2	9.14	159.0	10.29	163.6	10.54	170.0	10.80	174.8	10.97
		17.8	124.0	6.61	134.2	7.71	146.2	8.99	159.0	10.13	163.6	10.37	170.0	10.63	174.8	10.81
		35.5	124.0	6.09	134.2	7.21	146.2	8.41	159.0	9.47	163.6	9.69	170.0	9.95	174.8	10.15
		44.4	124.0	5.91	134.2	7.05	146.2	8.23	159.0	9.27	163.6	9.51	170.0	9.77	174.8	9.91
		53.3	124.0	5.82	134.2	6.97	146.2	8.14	159.0	9.17	163.6	9.42	170.0	9.68	174.8	9.79
	95	14.2	113.4	6.91	122.8	8.04	133.8	9.36	145.4	10.53	149.8	10.80	155.6	11.06	160.0	11.26
		17.8	113.4	6.77	122.8	7.91	133.8	9.21	145.4	10.37	149.8	10.63	155.6	10.89	160.0	11.09
		35.5	113.4	6.23	122.8	7.39	133.8	8.61	145.4	9.71	149.8	9.95	155.6	10.21	160.0	10.39
		44.4	113.4	6.07	122.8	7.23	133.8	8.43	145.4	9.51	149.8	9.75	155.6	10.01	160.0	10.15
		53.3	113.4	5.99	122.8	7.15	133.8	8.34	145.4	9.41	149.8	9.65	155.6	9.91	160.0	10.03
	104	14.2	103.0	7.44	111.4	8.65	121.4	10.07	132.0	11.35	135.8	11.61	141.2	11.89	145.2	12.11
		17.8	103.0	7.29	111.4	8.51	121.4	9.91	132.0	11.17	135.8	11.43	141.2	11.71	145.2	11.93
		35.5	103.0	6.71	111.4	7.95	121.4	9.27	132.0	10.45	135.8	10.69	141.2	10.97	145.2	11.19
		44.4	103.0	6.53	111.4	7.79	121.4	9.09	132.0	10.23	135.8	10.49	141.2	10.77	145.2	10.93
		53.3	103.0	6.44	111.4	7.71	121.4	9.00	132.0	10.12	135.8	10.39	141.2	10.67	145.2	10.80
	113	14.2	92.6	7.97	100.0	9.26	109.0	10.78	118.6	12.16	121.8	12.43	126.8	12.73	130.4	12.96
		17.8	92.6	7.81	100.0	9.11	109.0	10.61	118.6	11.97	121.8	12.23	126.8	12.53	130.4	12.77
		35.5	92.6	7.19	100.0	8.51	109.0	9.93	118.6	11.19	121.8	11.43	126.8	11.73	130.4	11.99
		44.4	92.6	6.99	100.0	8.35	109.0	9.75	118.6	10.95	121.8	11.23	126.8	11.53	130.4	11.71
		53.3	92.6	6.89	100.0	8.27	109.0	9.66	118.6	10.83	121.8	11.13	126.8	11.43	130.4	11.57
110	23	9.4	119.5	2.67	129.3	3.10	140.7	3.57	153.1	4.05	157.7	4.12	164.1	4.25	168.3	4.30
	32	10.5	119.5	2.67	129.3	3.10	140.7	3.57	153.1	4.05	157.7	4.12	164.1	4.25	168.3	4.30
	41	12.1	119.5	2.67	129.3	3.10	140.7	3.57	153.1	4.05	157.7	4.12	164.1	4.25	168.3	4.30
	50	14.2	119.5	2.67	129.3	3.10	140.7	3.57	153.1	4.05	157.7	4.12	164.1	4.25	168.3	4.30
		17.8	119.5	2.62	129.3	3.04	140.7	3.52	153.1	3.99	157.7	4.06	164.1	4.18	168.3	4.23
		35.5	119.5	2.41	129.3	2.83	140.7	3.31	153.1	3.74	157.7	3.83	164.1	3.89	168.3	3.96
		44.4	119.5	2.33	129.3	2.77	140.7	3.23	153.1	3.66	157.7	3.73	164.1	3.81	168.3	3.91
		53.3	119.5	2.29	129.3	2.74	140.7	3.20	153.1	3.62	157.7	3.68	164.1	3.77	168.3	3.88
	59	14.2	118.8	3.57	128.6	4.15	140.0	4.81	152.2	5.42	156.8	5.54	163.0	5.68	167.4	5.78
		17.8	118.8	3.50	128.6	4.08	140.0	4.73	152.2	5.33	156.8	5.45	163.0	5.59	167.4	5.69
		35.5	118.8	3.22	128.6	3.80	140.0	4.43	152.2	4.99	156.8	5.11	163.0	5.23	167.4	5.33
		44.4	118.8	3.12	128.6	3.72	140.0	4.34	152.2	4.89	156.8	5.01	163.0	5.13	167.4	5.21
		53.3	118.8	3.07	128.6	3.68	140.0	4.29	152.2	4.84	156.8	4.96	163.0	5.08	167.4	5.15
	67	14.2	118.2	4.36	128.0	5.08	139.4	5.91	151.4	6.64	156.0	6.80	162.0	6.96	166.6	7.10
		17.8	118.2	4.28	128.0	4.99	139.4	5.81	151.4	6.53	156.0	6.69	162.0	6.85	166.6	6.99
		35.5	118.2	3.94	128.0	4.65	139.4	5.43	151.4	6.11	156.0	6.25	162.0	6.43	166.6	6.55
		44.4	118.2	3.82	128.0	4.55	139.4	5.31	151.4	5.99	156.0	6.15	162.0	6.31	166.6	6.37
		53.3	118.2	3.76	128.0	4.51	139.4	5.25	151.4	5.93	156.0	6.10	162.0	6.25	166.6	6.28
	75	14.2	118.2	5.34	128.0	6.21	139.4	7.23	151.4	8.14	156.0	8.32	162.0	8.52	166.6	8.69
		17.8	118.2	5.23	128.0	6.11	139.4	7.11	151.4	8.01	156.0	8.19	162.0	8.39	166.6	8.55
		35.5	118.2	4.81	128.0	5.71	139.4	6.65	151.4	7.49	156.0	7.67	162.0	7.87	166.6	8.01
		44.4	118.2	4.67	128.0	5.59	139.4	6.51	151.4	7.33	156.0	7.53	162.0	7.71	166.6	7.81
		53.3	118.2	4.61	128.0	5.53	139.4	6.44	151.4	7.25	156.0	7.46	162.0	7.63	166.6	7.71
	86	14.2	118.2	6.50	128.0	7.58	139.4	8.81	151.4	9.93	156.0	10.15	162.0	10.41	166.6	10.59
		17.8	118.2	6.37	128.0	7.45	139.4	8.67	151.4	9.77	156.0	9.99	162.0	10.25	166.6	10.43
		35.5	118.2	5.87	128.0	6.95	139.4	8.11	151.4	9.13	156.0	9.35	162.0	9.59	166.6	9.77
		44.4	118.2	5.71	128.0	6.81	139.4	7.93	151.4	8.95	156.0	9.17	162.0	9.41	166.6	9.53
		53.3	118.2	5.63	128.0	6.74	139.4	7.84	151.4	8.86	156.0	9.08	162.0	9.32	166.6	9.41
	95	14.2	110.0	6.77	119.2	7.86	129.8	9.16	141.2	10.31	145.4	10.55	151.0	10.82	155.2	11.02
		17.8	110.0	6.63	119.2	7.73	129.8	9.01	141.2	10.15	145.4	10.39	151.0	10.65	155.2	10.85
		35.5	110.0	6.09	119.2	7.23	129.8	8.43	141.2	9.49	145.4	9.73	151.0	9.97	155.2	10.15
		44.4	110.0	5.93	119.2	7.07	129.8	8.25	141.2	9.31	145.4	9.53	151.0	9.79	155.2	9.91
		53.3	110.0	5.85	119.2	6.99	129.8	8.16	141.2	9.22	145.4	9.43	151.0	9.70	155.2	9.79

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	14.2	102.0	7.44	110.4	8.63	120.4	10.08	130.8	11.33	134.6	11.59	140.0	11.87	143.8	12.09
		17.8	102.0	7.29	110.4	8.49	120.4	9.91	130.8	11.15	134.6	11.41	140.0	11.69	143.8	11.91
		35.5	102.0	6.69	110.4	7.95	120.4	9.25	130.8	10.43	134.6	10.67	140.0	10.95	143.8	11.17
		44.4	102.0	6.51	110.4	7.77	120.4	9.07	130.8	10.23	134.6	10.47	140.0	10.75	143.8	10.89
		53.3	102.0	6.42	110.4	7.68	120.4	8.98	130.8	10.13	134.6	10.37	140.0	10.65	143.8	10.75
	113	14.2	94.0	8.12	101.6	9.40	111.0	10.99	120.4	12.34	123.8	12.63	129.0	12.93	132.4	13.16
		17.8	94.0	7.95	101.6	9.25	111.0	10.81	120.4	12.15	123.8	12.43	129.0	12.73	132.4	12.97
		35.5	94.0	7.29	101.6	8.67	111.0	10.07	120.4	11.37	123.8	11.61	129.0	11.93	132.4	12.19
		44.4	94.0	7.09	101.6	8.47	111.0	9.89	120.4	11.15	123.8	11.41	129.0	11.71	132.4	11.87
		53.3	94.0	6.99	101.6	8.37	111.0	9.80	120.4	11.04	123.8	11.31	129.0	11.60	132.4	11.71
100	23	9.4	112.4	2.49	121.6	2.92	132.4	3.38	144.0	3.78	148.4	3.88	154.0	4.00	158.4	4.09
	32	10.5	112.4	2.49	121.6	2.92	132.4	3.38	144.0	3.78	148.4	3.88	154.0	4.00	158.4	4.09
	41	12.1	112.4	2.49	121.6	2.92	132.4	3.38	144.0	3.78	148.4	3.88	154.0	4.00	158.4	4.09
	50	14.2	112.4	2.49	121.6	2.92	132.4	3.38	144.0	3.78	148.4	3.88	154.0	4.00	158.4	4.09
		17.8	112.4	2.44	121.6	2.86	132.4	3.32	144.0	3.73	148.4	3.82	154.0	3.94	158.4	4.02
		35.5	112.4	2.25	121.6	2.65	132.4	3.11	144.0	3.52	148.4	3.62	154.0	3.69	158.4	3.73
		44.4	112.4	2.21	121.6	2.59	132.4	3.06	144.0	3.42	148.4	3.52	154.0	3.61	158.4	3.67
		53.3	112.4	2.20	121.6	2.56	132.4	3.03	144.0	3.37	148.4	3.47	154.0	3.57	158.4	3.65
	59	14.2	112.4	3.38	121.6	3.94	132.4	4.59	144.0	5.15	148.4	5.27	154.0	5.42	158.4	5.52
		17.8	112.4	3.32	121.6	3.88	132.4	4.51	144.0	5.07	148.4	5.19	154.0	5.33	158.4	5.43
		35.5	112.4	3.06	121.6	3.62	132.4	4.22	144.0	4.75	148.4	4.87	154.0	4.99	158.4	5.07
		44.4	112.4	2.98	121.6	3.54	132.4	4.14	144.0	4.65	148.4	4.77	154.0	4.89	158.4	4.95
		53.3	112.4	2.94	121.6	3.50	132.4	4.10	144.0	4.60	148.4	4.72	154.0	4.84	158.4	4.89
	67	14.2	112.4	4.18	121.6	4.85	132.4	5.67	144.0	6.38	148.4	6.52	154.0	6.68	158.4	6.80
		17.8	112.4	4.10	121.6	4.77	132.4	5.57	144.0	6.27	148.4	6.41	154.0	6.57	158.4	6.69
		35.5	112.4	3.78	121.6	4.47	132.4	5.19	144.0	5.85	148.4	5.99	154.0	6.15	158.4	6.27
		44.4	112.4	3.66	121.6	4.38	132.4	5.09	144.0	5.75	148.4	5.89	154.0	6.03	158.4	6.09
		53.3	112.4	3.60	121.6	4.33	132.4	5.04	144.0	5.70	148.4	5.84	154.0	5.97	158.4	6.00
	75	14.2	112.4	5.10	121.6	5.93	132.4	6.90	144.0	7.78	148.4	7.96	154.0	8.14	158.4	8.31
		17.8	112.4	4.99	121.6	5.83	132.4	6.79	144.0	7.65	148.4	7.83	154.0	8.01	158.4	8.17
		35.5	112.4	4.59	121.6	5.45	132.4	6.35	144.0	7.15	148.4	7.31	154.0	7.51	158.4	7.63
		44.4	112.4	4.47	121.6	5.33	132.4	6.21	144.0	7.01	148.4	7.17	154.0	7.37	158.4	7.43
		53.3	112.4	4.42	121.6	5.27	132.4	6.14	144.0	6.94	148.4	7.10	154.0	7.30	158.4	7.33
	86	14.2	112.4	6.28	121.6	7.29	132.4	8.49	144.0	9.57	148.4	9.79	154.0	10.03	158.4	10.22
		17.8	112.4	6.15	121.6	7.17	132.4	8.35	144.0	9.41	148.4	9.63	154.0	9.87	158.4	10.05
		35.5	112.4	5.65	121.6	6.69	132.4	7.81	144.0	8.79	148.4	8.99	154.0	9.23	158.4	9.39
		44.4	112.4	5.49	121.6	6.55	132.4	7.65	144.0	8.61	148.4	8.83	154.0	9.05	158.4	9.15
		53.3	112.4	5.41	121.6	6.48	132.4	7.57	144.0	8.52	148.4	8.75	154.0	8.96	158.4	9.03
	95	14.2	106.8	6.62	115.6	7.70	125.8	8.96	136.8	10.10	141.0	10.33	146.4	10.57	150.4	10.76
		17.8	106.8	6.49	115.6	7.57	125.8	8.81	136.8	9.93	141.0	10.17	146.4	10.41	150.4	10.59
		35.5	106.8	5.97	115.6	7.07	125.8	8.23	136.8	9.27	141.0	9.51	146.4	9.75	150.4	9.91
		44.4	106.8	5.79	115.6	6.93	125.8	8.07	136.8	9.09	141.0	9.33	146.4	9.57	150.4	9.65
		53.3	106.8	5.70	115.6	6.86	125.8	7.99	136.8	9.00	141.0	9.24	146.4	9.48	150.4	9.52
	104	14.2	101.0	7.42	109.4	8.63	119.2	10.05	129.6	11.31	133.4	11.60	138.6	11.88	142.6	12.08
		17.8	101.0	7.27	109.4	8.49	119.2	9.89	129.6	11.13	133.4	11.41	138.6	11.69	142.6	11.89
		35.5	101.0	6.69	109.4	7.93	119.2	9.25	129.6	10.41	133.4	10.65	138.6	10.93	142.6	11.13
		44.4	101.0	6.51	109.4	7.77	119.2	9.05	129.6	10.21	133.4	10.47	138.6	10.73	142.6	10.83
		53.3	101.0	6.42	109.4	7.69	119.2	8.95	129.6	10.11	133.4	10.38	138.6	10.63	142.6	10.68
	113	14.2	95.2	8.21	103.2	9.57	112.6	11.14	122.4	12.52	125.8	12.86	130.8	13.18	134.8	13.40
		17.8	95.2	8.05	103.2	9.41	112.6	10.97	122.4	12.33	125.8	12.65	130.8	12.97	134.8	13.19
		35.5	95.2	7.41	103.2	8.79	112.6	10.27	122.4	11.55	125.8	11.79	130.8	12.11	134.8	12.35
		44.4	95.2	7.23	103.2	8.61	112.6	10.03	122.4	11.33	125.8	11.61	130.8	11.89	134.8	12.01
		53.3	95.2	7.14	103.2	8.52	112.6	9.91	122.4	11.22	125.8	11.52	130.8	11.78	134.8	11.84
90	23	9.4	101.0	2.15	109.4	2.50	119.2	2.88	129.6	3.28	133.4	3.36	138.6	3.46	142.6	3.52
	32	10.5	101.0	2.15	109.4	2.50	119.2	2.88	129.6	3.28	133.4	3.36	138.6	3.46	142.6	3.52
	41	12.1	101.0	2.15	109.4	2.50	119.2	2.88	129.6	3.28	133.4	3.36	138.6	3.46	142.6	3.52
	50	14.2	101.0	2.15	109.4	2.50	119.2	2.88	129.6	3.28	133.4	3.36	138.6	3.46	142.6	3.52
		17.8	101.0	2.12	109.4	2.46	119.2	2.84	129.6	3.23	133.4	3.31	138.6	3.40	142.6	3.46
		35.5	101.0	1.96	109.4	2.31	119.2	2.69	129.6	3.04	133.4	3.09	138.6	3.17	142.6	3.23
		44.4	101.0	1.88	109.4	2.27	119.2	2.61	129.6	2.96	133.4	3.04	138.6	3.11	142.6	3.13
		53.3	101.0	1.84	109.4	2.25	119.2	2.57	129.6	2.92	133.4	3.01	138.6	3.09	142.6	3.08

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	14.2	101.0	2.91	109.4	3.39	119.2	3.94	129.6	4.45	133.4	4.55	138.6	4.67	142.6	4.75
		17.8	101.0	2.86	109.4	3.34	119.2	3.88	129.6	4.38	133.4	4.47	138.6	4.59	142.6	4.67
		35.5	101.0	2.64	109.4	3.12	119.2	3.64	129.6	4.10	133.4	4.20	138.6	4.30	142.6	4.38
		44.4	101.0	2.56	109.4	3.06	119.2	3.56	129.6	4.02	133.4	4.12	138.6	4.22	142.6	4.26
		53.3	101.0	2.52	109.4	3.03	119.2	3.52	129.6	3.98	133.4	4.08	138.6	4.18	142.6	4.20
	67	14.2	101.0	3.59	109.4	4.19	119.2	4.88	129.6	5.48	133.4	5.60	138.6	5.74	142.6	5.84
		17.8	101.0	3.52	109.4	4.12	119.2	4.79	129.6	5.39	133.4	5.51	138.6	5.65	142.6	5.75
		35.5	101.0	3.24	109.4	3.84	119.2	4.47	129.6	5.03	133.4	5.17	138.6	5.29	142.6	5.39
		44.4	101.0	3.16	109.4	3.76	119.2	4.40	129.6	4.95	133.4	5.07	138.6	5.19	142.6	5.25
		53.3	101.0	3.12	109.4	3.72	119.2	4.36	129.6	4.91	133.4	5.02	138.6	5.14	142.6	5.18
	75	14.2	101.0	4.38	109.4	5.10	119.2	5.93	129.6	6.68	133.4	6.84	138.6	7.00	142.6	7.15
		17.8	101.0	4.30	109.4	5.01	119.2	5.83	129.6	6.57	133.4	6.73	138.6	6.89	142.6	7.03
		35.5	101.0	3.96	109.4	4.69	119.2	5.45	129.6	6.15	133.4	6.29	138.6	6.45	142.6	6.57
		44.4	101.0	3.84	109.4	4.59	119.2	5.35	129.6	6.03	133.4	6.17	138.6	6.33	142.6	6.41
		53.3	101.0	3.78	109.4	4.55	119.2	5.30	129.6	5.97	133.4	6.11	138.6	6.27	142.6	6.33
	86	14.2	101.0	5.40	109.4	6.27	119.2	7.31	129.6	8.22	133.4	8.43	138.6	8.63	142.6	8.79
		17.8	101.0	5.29	109.4	6.17	119.2	7.19	129.6	8.09	133.4	8.29	138.6	8.49	142.6	8.65
		35.5	101.0	4.85	109.4	5.77	119.2	6.71	129.6	7.57	133.4	7.75	138.6	7.95	142.6	8.09
		44.4	101.0	4.73	109.4	5.65	119.2	6.57	129.6	7.41	133.4	7.61	138.6	7.79	142.6	7.87
		53.3	101.0	4.67	109.4	5.59	119.2	6.50	129.6	7.33	133.4	7.54	138.6	7.71	142.6	7.76
	95	14.2	98.2	5.83	106.4	6.76	116.0	7.88	126.0	8.87	129.8	9.08	134.8	9.30	138.6	9.48
		17.8	98.2	5.71	106.4	6.65	116.0	7.75	126.0	8.73	129.8	8.93	134.8	9.15	138.6	9.33
		35.5	98.2	5.25	106.4	6.23	116.0	7.25	126.0	8.17	129.8	8.35	134.8	8.57	138.6	8.73
		44.4	98.2	5.09	106.4	6.09	116.0	7.09	126.0	8.01	129.8	8.21	134.8	8.41	138.6	8.49
		53.3	98.2	5.01	106.4	6.02	116.0	7.01	126.0	7.93	129.8	8.14	134.8	8.33	138.6	8.37
	104	14.2	95.4	6.68	103.4	7.78	112.6	9.06	122.4	10.20	126.0	10.43	131.0	10.70	134.6	10.88
		17.8	95.4	6.55	103.4	7.65	112.6	8.91	122.4	10.03	126.0	10.27	131.0	10.53	134.6	10.71
		35.5	95.4	6.03	103.4	7.15	112.6	8.33	122.4	9.37	126.0	9.61	131.0	9.85	134.6	10.03
		44.4	95.4	5.85	103.4	6.99	112.6	8.15	122.4	9.19	126.0	9.43	131.0	9.67	134.6	9.77
		53.3	95.4	5.76	103.4	6.91	112.6	8.06	122.4	9.10	126.0	9.34	131.0	9.58	134.6	9.64
	113	14.2	92.6	7.54	100.4	8.80	109.2	10.24	118.8	11.52	122.2	11.79	127.2	12.10	130.6	12.28
		17.8	92.6	7.39	100.4	8.65	109.2	10.07	118.8	11.33	122.2	11.61	127.2	11.91	130.6	12.09
		35.5	92.6	6.81	100.4	8.07	109.2	9.41	118.8	10.57	122.2	10.87	127.2	11.13	130.6	11.33
		44.4	92.6	6.61	100.4	7.89	109.2	9.21	118.8	10.37	122.2	10.65	127.2	10.93	130.6	11.05
		53.3	92.6	6.51	100.4	7.80	109.2	9.11	118.8	10.27	122.2	10.54	127.2	10.83	130.6	10.91
80	23	9.4	89.8	1.81	97.4	2.08	106.0	2.45	115.2	2.78	118.6	2.81	123.2	2.92	126.8	2.93
	32	10.5	89.8	1.81	97.4	2.08	106.0	2.45	115.2	2.78	118.6	2.81	123.2	2.92	126.8	2.93
	41	12.1	89.8	1.81	97.4	2.08	106.0	2.45	115.2	2.78	118.6	2.81	123.2	2.92	126.8	2.93
	50	14.2	89.8	1.81	97.4	2.08	106.0	2.45	115.2	2.78	118.6	2.81	123.2	2.92	126.8	2.93
		17.8	89.8	1.77	97.4	2.06	106.0	2.40	115.2	2.73	118.6	2.77	123.2	2.87	126.8	2.88
		35.5	89.8	1.61	97.4	1.94	106.0	2.23	115.2	2.54	118.6	2.59	123.2	2.65	126.8	2.69
		44.4	89.8	1.58	97.4	1.88	106.0	2.19	115.2	2.46	118.6	2.51	123.2	2.61	126.8	2.65
		53.3	89.8	1.56	97.4	1.85	106.0	2.17	115.2	2.42	118.6	2.47	123.2	2.60	126.8	2.64
	59	14.2	89.8	2.45	97.4	2.84	106.0	3.31	115.2	3.74	118.6	3.82	123.2	3.92	126.8	3.98
		17.8	89.8	2.40	97.4	2.80	106.0	3.26	115.2	3.68	118.6	3.76	123.2	3.86	126.8	3.92
		35.5	89.8	2.20	97.4	2.62	106.0	3.04	115.2	3.44	118.6	3.52	123.2	3.60	126.8	3.66
		44.4	89.8	2.14	97.4	2.56	106.0	2.98	115.2	3.36	118.6	3.44	123.2	3.54	126.8	3.58
		53.3	89.8	2.11	97.4	2.53	106.0	2.95	115.2	3.32	118.6	3.40	123.2	3.51	126.8	3.54
	67	14.2	89.8	3.02	97.4	3.52	106.0	4.08	115.2	4.59	118.6	4.71	123.2	4.81	126.8	4.92
		17.8	89.8	2.96	97.4	3.46	106.0	4.02	115.2	4.51	118.6	4.63	123.2	4.73	126.8	4.83
		35.5	89.8	2.72	97.4	3.22	106.0	3.76	115.2	4.24	118.6	4.34	123.2	4.43	126.8	4.51
		44.4	89.8	2.64	97.4	3.16	106.0	3.68	115.2	4.16	118.6	4.26	123.2	4.36	126.8	4.40
		53.3	89.8	2.60	97.4	3.13	106.0	3.64	115.2	4.12	118.6	4.22	123.2	4.32	126.8	4.34
	75	14.2	89.8	3.67	97.4	4.26	106.0	4.98	115.2	5.60	118.6	5.75	123.2	5.89	126.8	5.99
		17.8	89.8	3.60	97.4	4.20	106.0	4.89	115.2	5.51	118.6	5.65	123.2	5.79	126.8	5.89
		35.5	89.8	3.32	97.4	3.94	106.0	4.57	115.2	5.15	118.6	5.27	123.2	5.41	126.8	5.51
		44.4	89.8	3.22	97.4	3.86	106.0	4.49	115.2	5.05	118.6	5.17	123.2	5.31	126.8	5.37
		53.3	89.8	3.17	97.4	3.82	106.0	4.46	115.2	5.00	118.6	5.12	123.2	5.26	126.8	5.30

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	14.2	89.8	4.53	97.4	5.26	106.0	6.13	115.2	6.91	118.6	7.07	123.2	7.23	126.8	7.37
		17.8	89.8	4.43	97.4	5.17	106.0	6.03	115.2	6.79	118.6	6.95	123.2	7.11	126.8	7.25
		35.5	89.8	4.08	97.4	4.83	106.0	5.63	115.2	6.33	118.6	6.49	123.2	6.65	126.8	6.77
		44.4	89.8	3.96	97.4	4.73	106.0	5.51	115.2	6.21	118.6	6.37	123.2	6.53	126.8	6.59
		53.3	89.8	3.90	97.4	4.68	106.0	5.45	115.2	6.15	118.6	6.31	123.2	6.47	126.8	6.50
	95	14.2	89.8	5.04	97.4	5.85	106.0	6.80	115.2	7.65	118.6	7.84	123.2	8.04	126.8	8.18
		17.8	89.8	4.93	97.4	5.75	106.0	6.69	115.2	7.53	118.6	7.71	123.2	7.91	126.8	8.05
		35.5	89.8	4.53	97.4	5.37	106.0	6.25	115.2	7.05	118.6	7.21	123.2	7.39	126.8	7.53
		44.4	89.8	4.41	97.4	5.25	106.0	6.13	115.2	6.91	118.6	7.07	123.2	7.27	126.8	7.33
		53.3	89.8	4.36	97.4	5.19	106.0	6.07	115.2	6.84	118.6	7.00	123.2	7.21	126.8	7.23
	104	14.2	89.8	5.95	97.4	6.93	106.0	8.06	115.2	9.08	118.6	9.28	123.2	9.52	126.8	9.68
		17.8	89.8	5.83	97.4	6.81	106.0	7.93	115.2	8.93	118.6	9.13	123.2	9.37	126.8	9.53
		35.5	89.8	5.37	97.4	6.35	106.0	7.41	115.2	8.35	118.6	8.55	123.2	8.77	126.8	8.93
		44.4	89.8	5.21	97.4	6.23	106.0	7.25	115.2	8.19	118.6	8.39	123.2	8.59	126.8	8.69
		53.3	89.8	5.13	97.4	6.17	106.0	7.17	115.2	8.11	118.6	8.31	123.2	8.50	126.8	8.57
	113	14.2	89.8	6.86	97.4	8.01	106.0	9.32	115.2	10.50	118.6	10.71	123.2	11.00	126.8	11.18
		17.8	89.8	6.73	97.4	7.87	106.0	9.17	115.2	10.33	118.6	10.55	123.2	10.83	126.8	11.01
		35.5	89.8	6.21	97.4	7.33	106.0	8.57	115.2	9.65	118.6	9.89	123.2	10.15	126.8	10.33
		44.4	89.8	6.01	97.4	7.21	106.0	8.37	115.2	9.47	118.6	9.71	123.2	9.91	126.8	10.05
		53.3	89.8	5.91	97.4	7.15	106.0	8.27	115.2	9.38	118.6	9.62	123.2	9.79	126.8	9.91
70	23	9.4	78.6	1.51	85.2	1.73	92.8	2.05	100.8	2.31	103.8	2.32	107.8	2.40	110.8	2.44
	32	10.5	78.6	1.51	85.2	1.73	92.8	2.05	100.8	2.31	103.8	2.32	107.8	2.40	110.8	2.44
	41	12.1	78.6	1.51	85.2	1.73	92.8	2.05	100.8	2.31	103.8	2.32	107.8	2.40	110.8	2.44
	50	14.2	78.6	1.51	85.2	1.73	92.8	2.05	100.8	2.31	103.8	2.32	107.8	2.40	110.8	2.44
		17.8	78.6	1.48	85.2	1.71	92.8	2.02	100.8	2.27	103.8	2.28	107.8	2.36	110.8	2.40
		35.5	78.6	1.37	85.2	1.62	92.8	1.89	100.8	2.12	103.8	2.15	107.8	2.21	110.8	2.27
		44.4	78.6	1.31	85.2	1.56	92.8	1.83	100.8	2.06	103.8	2.09	107.8	2.17	110.8	2.21
		53.3	78.6	1.28	85.2	1.53	92.8	1.80	100.8	2.03	103.8	2.06	107.8	2.15	110.8	2.18
	59	14.2	78.6	2.04	85.2	2.35	92.8	2.76	100.8	3.11	103.8	3.17	107.8	3.25	110.8	3.31
		17.8	78.6	2.00	85.2	2.32	92.8	2.72	100.8	3.06	103.8	3.12	107.8	3.20	110.8	3.26
		35.5	78.6	1.84	85.2	2.18	92.8	2.54	100.8	2.86	103.8	2.92	107.8	3.00	110.8	3.06
		44.4	78.6	1.78	85.2	2.12	92.8	2.48	100.8	2.80	103.8	2.86	107.8	2.94	110.8	2.98
		53.3	78.6	1.75	85.2	2.09	92.8	2.45	100.8	2.77	103.8	2.83	107.8	2.91	110.8	2.94
	67	14.2	78.6	2.51	85.2	2.90	92.8	3.39	100.8	3.82	103.8	3.92	107.8	4.00	110.8	4.08
		17.8	78.6	2.46	85.2	2.86	92.8	3.34	100.8	3.76	103.8	3.86	107.8	3.94	110.8	4.02
		35.5	78.6	2.26	85.2	2.68	92.8	3.12	100.8	3.52	103.8	3.60	107.8	3.70	110.8	3.76
		44.4	78.6	2.20	85.2	2.62	92.8	3.06	100.8	3.46	103.8	3.54	107.8	3.62	110.8	3.66
		53.3	78.6	2.17	85.2	2.59	92.8	3.03	100.8	3.43	103.8	3.51	107.8	3.58	110.8	3.61
	75	14.2	78.6	3.06	85.2	3.55	92.8	4.14	100.8	4.67	103.8	4.77	107.8	4.90	110.8	4.98
		17.8	78.6	3.00	85.2	3.50	92.8	4.08	100.8	4.59	103.8	4.69	107.8	4.81	110.8	4.89
		35.5	78.6	2.76	85.2	3.28	92.8	3.82	100.8	4.30	103.8	4.40	107.8	4.49	110.8	4.57
		44.4	78.6	2.68	85.2	3.20	92.8	3.74	100.8	4.20	103.8	4.32	107.8	4.41	110.8	4.45
		53.3	78.6	2.64	85.2	3.16	92.8	3.70	100.8	4.15	103.8	4.28	107.8	4.38	110.8	4.40
	86	14.2	78.6	3.77	85.2	4.37	92.8	5.10	100.8	5.72	103.8	5.87	107.8	6.01	110.8	6.11
		17.8	78.6	3.70	85.2	4.30	92.8	5.01	100.8	5.63	103.8	5.77	107.8	5.91	110.8	6.01
		35.5	78.6	3.40	85.2	4.02	92.8	4.67	100.8	5.27	103.8	5.39	107.8	5.53	110.8	5.63
		44.4	78.6	3.30	85.2	3.94	92.8	4.59	100.8	5.17	103.8	5.29	107.8	5.43	110.8	5.49
		53.3	78.6	3.25	85.2	3.90	92.8	4.56	100.8	5.12	103.8	5.24	107.8	5.38	110.8	5.42
	95	14.2	78.6	4.18	85.2	4.85	92.8	5.67	100.8	6.38	103.8	6.52	107.8	6.68	110.8	6.80
		17.8	78.6	4.10	85.2	4.77	92.8	5.57	100.8	6.27	103.8	6.41	107.8	6.57	110.8	6.69
		35.5	78.6	3.78	85.2	4.47	92.8	5.19	100.8	5.85	103.8	5.99	107.8	6.15	110.8	6.27
		44.4	78.6	3.66	85.2	4.38	92.8	5.09	100.8	5.75	103.8	5.89	107.8	6.03	110.8	6.09
		53.3	78.6	3.60	85.2	4.33	92.8	5.04	100.8	5.70	103.8	5.84	107.8	5.97	110.8	6.00
	104	14.2	78.6	4.96	85.2	5.74	92.8	6.70	100.8	7.53	103.8	7.71	107.8	7.92	110.8	8.06
		17.8	78.6	4.85	85.2	5.65	92.8	6.59	100.8	7.41	103.8	7.59	107.8	7.79	110.8	7.93
		35.5	78.6	4.45	85.2	5.29	92.8	6.15	100.8	6.93	103.8	7.11	107.8	7.29	110.8	7.41
		44.4	78.6	4.34	85.2	5.17	92.8	6.03	100.8	6.81	103.8	6.97	107.8	7.15	110.8	7.23
		53.3	78.6	4.28	85.2	5.11	92.8	5.97	100.8	6.75	103.8	6.90	107.8	7.08	110.8	7.14

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	14.2	78.6	5.73	85.2	6.64	92.8	7.74	100.8	8.69	103.8	8.91	107.8	9.16	110.8	9.33
		17.8	78.6	5.61	85.2	6.53	92.8	7.61	100.8	8.55	103.8	8.77	107.8	9.01	110.8	9.17
		35.5	78.6	5.13	85.2	6.11	92.8	7.11	100.8	8.01	103.8	8.23	107.8	8.43	110.8	8.55
		44.4	78.6	5.01	85.2	5.97	92.8	6.97	100.8	7.87	103.8	8.05	107.8	8.27	110.8	8.37
		53.3	78.6	4.95	85.2	5.90	92.8	6.90	100.8	7.80	103.8	7.96	107.8	8.19	110.8	8.28
60	23	9.4	67.4	1.22	73.0	1.41	79.4	1.63	86.4	1.84	89.0	1.89	92.4	1.95	95.0	1.95
	32	10.5	67.4	1.22	73.0	1.41	79.4	1.63	86.4	1.84	89.0	1.89	92.4	1.95	95.0	1.95
	41	12.1	67.4	1.22	73.0	1.41	79.4	1.63	86.4	1.84	89.0	1.89	92.4	1.95	95.0	1.95
	50	14.2	67.4	1.22	73.0	1.41	79.4	1.63	86.4	1.84	89.0	1.89	92.4	1.95	95.0	1.95
		17.8	67.4	1.19	73.0	1.39	79.4	1.60	86.4	1.81	89.0	1.85	92.4	1.91	95.0	1.92
		35.5	67.4	1.08	73.0	1.29	79.4	1.48	86.4	1.69	89.0	1.69	92.4	1.75	95.0	1.81
		44.4	67.4	1.04	73.0	1.25	79.4	1.46	86.4	1.65	89.0	1.67	92.4	1.71	95.0	1.73
		53.3	67.4	1.02	73.0	1.23	79.4	1.45	86.4	1.63	89.0	1.66	92.4	1.69	95.0	1.69
	59	14.2	67.4	1.63	73.0	1.89	79.4	2.19	86.4	2.48	89.0	2.54	92.4	2.60	95.0	2.64
		17.8	67.4	1.60	73.0	1.86	79.4	2.16	86.4	2.44	89.0	2.50	92.4	2.56	95.0	2.60
		35.5	67.4	1.46	73.0	1.74	79.4	2.02	86.4	2.28	89.0	2.32	92.4	2.38	95.0	2.44
		44.4	67.4	1.42	73.0	1.70	79.4	1.98	86.4	2.24	89.0	2.28	92.4	2.34	95.0	2.36
		53.3	67.4	1.40	73.0	1.68	79.4	1.96	86.4	2.22	89.0	2.26	92.4	2.32	95.0	2.32
	67	14.2	67.4	2.00	73.0	2.31	79.4	2.70	86.4	3.05	89.0	3.13	92.4	3.19	95.0	3.25
		17.8	67.4	1.96	73.0	2.28	79.4	2.66	86.4	3.00	89.0	3.08	92.4	3.14	95.0	3.20
		35.5	67.4	1.80	73.0	2.14	79.4	2.50	86.4	2.80	89.0	2.88	92.4	2.94	95.0	3.00
		44.4	67.4	1.76	73.0	2.10	79.4	2.44	86.4	2.76	89.0	2.82	92.4	2.90	95.0	2.92
		53.3	67.4	1.74	73.0	2.08	79.4	2.41	86.4	2.74	89.0	2.79	92.4	2.88	95.0	2.88
	75	14.2	67.4	2.45	73.0	2.82	79.4	3.29	86.4	3.72	89.0	3.80	92.4	3.90	95.0	3.96
		17.8	67.4	2.40	73.0	2.78	79.4	3.24	86.4	3.66	89.0	3.74	92.4	3.84	95.0	3.90
		35.5	67.4	2.20	73.0	2.60	79.4	3.04	86.4	3.42	89.0	3.50	92.4	3.60	95.0	3.66
		44.4	67.4	2.14	73.0	2.56	79.4	2.98	86.4	3.36	89.0	3.44	92.4	3.52	95.0	3.56
		53.3	67.4	2.11	73.0	2.54	79.4	2.95	86.4	3.33	89.0	3.41	92.4	3.48	95.0	3.51
	86	14.2	67.4	3.00	73.0	3.50	79.4	4.06	86.4	4.57	89.0	4.67	92.4	4.79	95.0	4.87
		17.8	67.4	2.94	73.0	3.44	79.4	4.00	86.4	4.49	89.0	4.59	92.4	4.71	95.0	4.79
		35.5	67.4	2.70	73.0	3.20	79.4	3.74	86.4	4.20	89.0	4.30	92.4	4.41	95.0	4.49
		44.4	67.4	2.64	73.0	3.14	79.4	3.66	86.4	4.12	89.0	4.22	92.4	4.34	95.0	4.38
		53.3	67.4	2.61	73.0	3.11	79.4	3.62	86.4	4.08	89.0	4.18	92.4	4.30	95.0	4.32
	95	14.2	67.4	3.32	73.0	3.88	79.4	4.51	86.4	5.08	89.0	5.20	92.4	5.31	95.0	5.42
		17.8	67.4	3.26	73.0	3.82	79.4	4.43	86.4	4.99	89.0	5.11	92.4	5.23	95.0	5.33
		35.5	67.4	3.00	73.0	3.56	79.4	4.16	86.4	4.67	89.0	4.77	92.4	4.91	95.0	4.99
		44.4	67.4	2.92	73.0	3.48	79.4	4.06	86.4	4.57	89.0	4.69	92.4	4.81	95.0	4.85
		53.3	67.4	2.88	73.0	3.44	79.4	4.01	86.4	4.53	89.0	4.65	92.4	4.76	95.0	4.78
	104	14.2	67.4	3.96	73.0	4.59	79.4	5.34	86.4	6.01	89.0	6.15	92.4	6.31	95.0	6.41
		17.8	67.4	3.88	73.0	4.51	79.4	5.25	86.4	5.91	89.0	6.05	92.4	6.21	95.0	6.31
		35.5	67.4	3.56	73.0	4.22	79.4	4.91	86.4	5.53	89.0	5.65	92.4	5.81	95.0	5.91
		44.4	67.4	3.46	73.0	4.14	79.4	4.81	86.4	5.41	89.0	5.55	92.4	5.69	95.0	5.75
		53.3	67.4	3.41	73.0	4.10	79.4	4.76	86.4	5.35	89.0	5.50	92.4	5.63	95.0	5.67
	113	14.2	67.4	4.59	73.0	5.30	79.4	6.17	86.4	6.94	89.0	7.11	92.4	7.31	95.0	7.41
		17.8	67.4	4.49	73.0	5.21	79.4	6.07	86.4	6.83	89.0	6.99	92.4	7.19	95.0	7.29
		35.5	67.4	4.12	73.0	4.87	79.4	5.67	86.4	6.39	89.0	6.53	92.4	6.71	95.0	6.83
		44.4	67.4	4.00	73.0	4.79	79.4	5.57	86.4	6.25	89.0	6.41	92.4	6.57	95.0	6.65
		53.3	67.4	3.94	73.0	4.75	79.4	5.52	86.4	6.18	89.0	6.35	92.4	6.50	95.0	6.56
50	23	9.4	56.2	0.87	60.8	1.03	66.2	1.24	72.0	1.37	74.2	1.38	77.0	1.43	79.2	1.47
	32	10.5	56.2	0.87	60.8	1.03	66.2	1.24	72.0	1.37	74.2	1.38	77.0	1.43	79.2	1.47
	41	12.1	56.2	0.87	60.8	1.03	66.2	1.24	72.0	1.37	74.2	1.38	77.0	1.43	79.2	1.47
	50	14.2	56.2	0.87	60.8	1.03	66.2	1.24	72.0	1.37	74.2	1.38	77.0	1.43	79.2	1.47
		17.8	56.2	0.86	60.8	1.02	66.2	1.21	72.0	1.35	74.2	1.36	77.0	1.40	79.2	1.44
		35.5	56.2	0.83	60.8	0.96	66.2	1.09	72.0	1.25	74.2	1.29	77.0	1.31	79.2	1.35
		44.4	56.2	0.79	60.8	0.92	66.2	1.10	72.0	1.21	74.2	1.25	77.0	1.27	79.2	1.29
		53.3	56.2	0.77	60.8	0.90	66.2	1.10	72.0	1.19	74.2	1.23	77.0	1.25	79.2	1.26
	59	14.2	56.2	1.20	60.8	1.40	66.2	1.65	72.0	1.85	74.2	1.89	77.0	1.93	79.2	1.97
		17.8	56.2	1.18	60.8	1.38	66.2	1.62	72.0	1.82	74.2	1.86	77.0	1.90	79.2	1.94
		35.5	56.2	1.10	60.8	1.30	66.2	1.50	72.0	1.70	74.2	1.74	77.0	1.78	79.2	1.82
		44.4	56.2	1.06	60.8	1.26	66.2	1.48	72.0	1.66	74.2	1.70	77.0	1.74	79.2	1.76
		53.3	56.2	1.04	60.8	1.24	66.2	1.47	72.0	1.64	74.2	1.68	77.0	1.72	79.2	1.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	14.2	56.2	1.49	60.8	1.72	66.2	2.01	72.0	2.27	74.2	2.34	77.0	2.37	79.2	2.41
		17.8	56.2	1.46	60.8	1.70	66.2	1.98	72.0	2.24	74.2	2.30	77.0	2.34	79.2	2.38
		35.5	56.2	1.34	60.8	1.60	66.2	1.86	72.0	2.10	74.2	2.14	77.0	2.20	79.2	2.24
		44.4	56.2	1.30	60.8	1.56	66.2	1.82	72.0	2.06	74.2	2.10	77.0	2.16	79.2	2.18
		53.3	56.2	1.28	60.8	1.54	66.2	1.80	72.0	2.04	74.2	2.08	77.0	2.14	79.2	2.15
	75	14.2	56.2	1.81	60.8	2.11	66.2	2.46	72.0	2.76	74.2	2.84	77.0	2.90	79.2	2.97
		17.8	56.2	1.78	60.8	2.08	66.2	2.42	72.0	2.72	74.2	2.80	77.0	2.86	79.2	2.92
		35.5	56.2	1.64	60.8	1.94	66.2	2.26	72.0	2.56	74.2	2.62	77.0	2.68	79.2	2.72
		44.4	56.2	1.60	60.8	1.90	66.2	2.22	72.0	2.50	74.2	2.56	77.0	2.62	79.2	2.66
		53.3	56.2	1.58	60.8	1.88	66.2	2.20	72.0	2.47	74.2	2.53	77.0	2.59	79.2	2.63
	86	14.2	56.2	2.24	60.8	2.60	66.2	3.03	72.0	3.41	74.2	3.49	77.0	3.57	79.2	3.63
		17.8	56.2	2.20	60.8	2.56	66.2	2.98	72.0	3.36	74.2	3.44	77.0	3.52	79.2	3.58
		35.5	56.2	2.02	60.8	2.40	66.2	2.78	72.0	3.14	74.2	3.22	77.0	3.30	79.2	3.36
		44.4	56.2	1.96	60.8	2.34	66.2	2.72	72.0	3.08	74.2	3.16	77.0	3.24	79.2	3.26
		53.3	56.2	1.93	60.8	2.31	66.2	2.69	72.0	3.05	74.2	3.13	77.0	3.21	79.2	3.21
	95	14.2	56.2	2.49	60.8	2.88	66.2	3.37	72.0	3.78	74.2	3.88	77.0	3.98	79.2	4.04
		17.8	56.2	2.44	60.8	2.84	66.2	3.32	72.0	3.72	74.2	3.82	77.0	3.92	79.2	3.98
		35.5	56.2	2.24	60.8	2.66	66.2	3.10	72.0	3.48	74.2	3.56	77.0	3.66	79.2	3.72
		44.4	56.2	2.18	60.8	2.60	66.2	3.04	72.0	3.42	74.2	3.50	77.0	3.60	79.2	3.62
		53.3	56.2	2.15	60.8	2.57	66.2	3.01	72.0	3.39	74.2	3.47	77.0	3.57	79.2	3.57
	104	14.2	56.2	2.93	60.8	3.41	66.2	3.98	72.0	4.49	74.2	4.59	77.0	4.71	79.2	4.79
		17.8	56.2	2.88	60.8	3.36	66.2	3.92	72.0	4.41	74.2	4.51	77.0	4.63	79.2	4.71
		35.5	56.2	2.66	60.8	3.14	66.2	3.66	72.0	4.12	74.2	4.22	77.0	4.34	79.2	4.41
		44.4	56.2	2.58	60.8	3.08	66.2	3.60	72.0	4.04	74.2	4.14	77.0	4.26	79.2	4.30
		53.3	56.2	2.54	60.8	3.05	66.2	3.57	72.0	4.00	74.2	4.10	77.0	4.22	79.2	4.24
	113	14.2	56.2	3.38	60.8	3.94	66.2	4.59	72.0	5.21	74.2	5.30	77.0	5.44	79.2	5.54
		17.8	56.2	3.32	60.8	3.88	66.2	4.51	72.0	5.11	74.2	5.21	77.0	5.35	79.2	5.45
		35.5	56.2	3.08	60.8	3.62	66.2	4.22	72.0	4.75	74.2	4.87	77.0	5.01	79.2	5.11
		44.4	56.2	2.98	60.8	3.56	66.2	4.16	72.0	4.65	74.2	4.77	77.0	4.91	79.2	4.97
		53.3	56.2	2.93	60.8	3.53	66.2	4.13	72.0	4.60	74.2	4.72	77.0	4.86	79.2	4.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	12.1	155.9	3.12	169.0	3.66	184.5	4.26	200.1	4.81	205.9	4.94	214.1	5.03	219.9	5.08
	32	13.5	155.9	3.12	169.0	3.66	184.5	4.26	200.1	4.81	205.9	4.94	214.1	5.03	219.9	5.08
	41	15.6	155.9	3.12	169.0	3.66	184.5	4.26	200.1	4.81	205.9	4.94	214.1	5.03	219.9	5.08
	50	18.3	155.9	3.12	169.0	3.66	184.5	4.26	200.1	4.81	205.9	4.94	214.1	5.03	219.9	5.08
		22.9	155.9	3.07	169.0	3.60	184.5	4.20	200.1	4.73	205.9	4.85	214.1	4.95	219.9	5.01
		45.7	155.9	2.85	169.0	3.38	184.5	3.93	200.1	4.42	205.9	4.50	214.1	4.65	219.9	4.75
		57.1	155.9	2.76	169.0	3.30	184.5	3.85	200.1	4.32	205.9	4.44	214.1	4.54	219.9	4.63
		68.6	155.9	2.72	169.0	3.26	184.5	3.81	200.1	4.27	205.9	4.41	214.1	4.49	219.9	4.56
	59	18.3	153.5	4.13	166.4	4.80	181.3	5.60	196.9	6.31	202.8	6.46	210.7	6.60	216.5	6.71
		22.9	153.5	4.05	166.4	4.72	181.3	5.51	196.9	6.21	202.8	6.35	210.7	6.50	216.5	6.61
		45.7	153.5	3.73	166.4	4.43	181.3	5.15	196.9	5.80	202.8	5.93	210.7	6.10	216.5	6.23
		57.1	153.5	3.62	166.4	4.32	181.3	5.04	196.9	5.68	202.8	5.83	210.7	5.97	216.5	6.08
		68.6	153.5	3.57	166.4	4.27	181.3	4.99	196.9	5.61	202.8	5.77	210.7	5.91	216.5	6.01
	67	18.3	151.4	5.02	164.0	5.81	178.5	6.78	194.1	7.64	200.0	7.81	207.7	8.00	213.5	8.15
		22.9	151.4	4.91	164.0	5.72	178.5	6.67	194.1	7.52	200.0	7.69	207.7	7.88	213.5	8.03
		45.7	151.4	4.51	164.0	5.36	178.5	6.23	194.1	7.03	200.0	7.20	207.7	7.39	213.5	7.54
		57.1	151.4	4.38	164.0	5.23	178.5	6.10	194.1	6.88	200.0	7.05	207.7	7.24	213.5	7.37
		68.6	151.4	4.32	164.0	5.17	178.5	6.04	194.1	6.81	200.0	6.98	207.7	7.17	213.5	7.29
	75	18.3	151.4	6.18	164.0	7.17	178.5	8.35	194.1	9.41	200.0	9.64	207.7	9.88	213.5	10.04
		22.9	151.4	6.06	164.0	7.05	178.5	8.22	194.1	9.26	200.0	9.49	207.7	9.72	213.5	9.89
		45.7	151.4	5.57	164.0	6.61	178.5	7.69	194.1	8.66	200.0	8.88	207.7	9.11	213.5	9.30
		57.1	151.4	5.42	164.0	6.46	178.5	7.54	194.1	8.49	200.0	8.71	207.7	8.94	213.5	9.09
		68.6	151.4	5.35	164.0	6.39	178.5	7.47	194.1	8.41	200.0	8.62	207.7	8.85	213.5	8.98
	86	18.3	151.4	7.42	164.0	8.61	178.5	10.03	194.1	11.30	200.0	11.56	207.7	11.86	213.5	12.04
		22.9	151.4	7.27	164.0	8.47	178.5	9.87	194.1	11.12	200.0	11.37	207.7	11.67	213.5	11.86
		45.7	151.4	6.67	164.0	7.92	178.5	9.24	194.1	10.40	200.0	10.65	207.7	10.93	213.5	11.16
		57.1	151.4	6.50	164.0	7.75	178.5	9.04	194.1	10.19	200.0	10.46	207.7	10.72	213.5	10.91
		68.6	151.4	6.42	164.0	7.67	178.5	8.95	194.1	10.08	200.0	10.37	207.7	10.61	213.5	10.78
	95	18.3	136.3	7.50	147.5	8.72	160.8	10.14	174.8	11.43	179.9	11.68	186.9	11.99	192.0	12.20
		22.9	136.3	7.35	147.5	8.58	160.8	9.98	174.8	11.25	179.9	11.50	186.9	11.80	192.0	12.01
		45.7	136.3	6.76	147.5	8.01	160.8	9.34	174.8	10.51	179.9	10.78	186.9	11.06	192.0	11.27
		57.1	136.3	6.57	147.5	7.84	160.8	9.15	174.8	10.29	179.9	10.57	186.9	10.85	192.0	11.04
		68.6	136.3	6.47	147.5	7.75	160.8	9.06	174.8	10.19	179.9	10.46	186.9	10.74	192.0	10.92
	104	18.3	121.1	7.91	131.1	9.19	142.8	10.70	155.2	12.06	159.8	12.34	166.1	12.63	170.8	12.86
		22.9	121.1	7.75	131.1	9.04	142.8	10.53	155.2	11.86	159.8	12.14	166.1	12.43	170.8	12.67
		45.7	121.1	7.12	131.1	8.45	142.8	9.85	155.2	11.08	159.8	11.35	166.1	11.67	170.8	11.90
		57.1	121.1	6.93	131.1	8.26	142.8	9.64	155.2	10.87	159.8	11.14	166.1	11.44	170.8	11.63
		68.6	121.1	6.83	131.1	8.17	142.8	9.53	155.2	10.76	159.8	11.04	166.1	11.32	170.8	11.49
	113	18.3	105.9	8.33	114.8	9.67	124.8	11.26	135.6	12.68	139.8	12.99	145.4	13.27	149.6	13.52
		22.9	105.9	8.16	114.8	9.51	124.8	11.08	135.6	12.48	139.8	12.77	145.4	13.07	149.6	13.32
		45.7	105.9	7.48	114.8	8.90	124.8	10.36	135.6	11.65	139.8	11.93	145.4	12.29	149.6	12.54
		57.1	105.9	7.29	114.8	8.68	124.8	10.12	135.6	11.44	139.8	11.71	145.4	12.03	149.6	12.22
		68.6	105.9	7.19	114.8	8.58	124.8	10.01	135.6	11.33	139.8	11.61	145.4	11.90	149.6	12.06
120	23	12.1	147.6	2.99	160.0	3.45	174.0	4.06	189.5	4.55	195.3	4.69	202.8	4.78	208.4	4.87
	32	13.5	147.6	2.99	160.0	3.45	174.0	4.06	189.5	4.55	195.3	4.69	202.8	4.78	208.4	4.87
	41	15.6	147.6	2.99	160.0	3.45	174.0	4.06	189.5	4.55	195.3	4.69	202.8	4.78	208.4	4.87
	50	18.3	147.6	2.99	160.0	3.45	174.0	4.06	189.5	4.55	195.3	4.69	202.8	4.78	208.4	4.87
		22.9	147.6	2.92	160.0	3.39	174.0	3.99	189.5	4.48	195.3	4.60	202.8	4.70	208.4	4.78
		45.7	147.6	2.68	160.0	3.17	174.0	3.70	189.5	4.19	195.3	4.27	202.8	4.40	208.4	4.45
		57.1	147.6	2.64	160.0	3.11	174.0	3.66	189.5	4.11	195.3	4.19	202.8	4.31	208.4	4.37
		68.6	147.6	2.62	160.0	3.08	174.0	3.64	189.5	4.07	195.3	4.15	202.8	4.27	208.4	4.33
	59	18.3	146.1	3.96	158.2	4.59	172.2	5.37	187.4	6.03	193.0	6.18	200.4	6.33	206.0	6.44
		22.9	146.1	3.88	158.2	4.51	172.2	5.27	187.4	5.93	193.0	6.08	200.4	6.23	206.0	6.33
		45.7	146.1	3.56	158.2	4.22	172.2	4.91	187.4	5.55	193.0	5.68	200.4	5.83	206.0	5.93
		57.1	146.1	3.47	158.2	4.13	172.2	4.83	187.4	5.44	193.0	5.57	200.4	5.72	206.0	5.80
		68.6	146.1	3.43	158.2	4.09	172.2	4.79	187.4	5.39	193.0	5.52	200.4	5.67	206.0	5.74
	67	18.3	144.7	4.82	156.6	5.60	170.6	6.53	185.5	7.34	190.9	7.51	198.3	7.71	203.9	7.83
		22.9	144.7	4.72	156.6	5.51	170.6	6.42	185.5	7.22	190.9	7.39	198.3	7.58	203.9	7.71
		45.7	144.7	4.34	156.6	5.15	170.6	5.99	185.5	6.76	190.9	6.93	198.3	7.10	203.9	7.24
		57.1	144.7	4.22	156.6	5.04	170.6	5.87	185.5	6.63	190.9	6.80	198.3	6.97	203.9	7.07
		68.6	144.7	4.15	156.6	4.99	170.6	5.80	185.5	6.57	190.9	6.74	198.3	6.91	203.9	6.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	18.3	144.7	5.92	156.6	6.86	170.6	8.01	185.5	9.02	190.9	9.24	198.3	9.47	203.9	9.64
		22.9	144.7	5.80	156.6	6.76	170.6	7.88	185.5	8.88	190.9	9.09	198.3	9.32	203.9	9.49
		45.7	144.7	5.34	156.6	6.33	170.6	7.37	185.5	8.30	190.9	8.49	198.3	8.73	203.9	8.90
		57.1	144.7	5.19	156.6	6.19	170.6	7.22	185.5	8.13	190.9	8.35	198.3	8.56	203.9	8.68
		68.6	144.7	5.12	156.6	6.11	170.6	7.15	185.5	8.05	190.9	8.27	198.3	8.47	203.9	8.58
	86	18.3	144.7	7.15	156.6	8.31	170.6	9.69	185.5	10.92	190.9	11.18	198.3	11.45	203.9	11.64
		22.9	144.7	7.01	156.6	8.18	170.6	9.53	185.5	10.74	190.9	10.99	198.3	11.27	203.9	11.46
		45.7	144.7	6.46	156.6	7.65	170.6	8.92	185.5	10.04	190.9	10.27	198.3	10.55	203.9	10.76
		57.1	144.7	6.27	156.6	7.48	170.6	8.73	185.5	9.83	190.9	10.08	198.3	10.36	203.9	10.51
		68.6	144.7	6.17	156.6	7.39	170.6	8.63	185.5	9.72	190.9	9.99	198.3	10.26	203.9	10.38
	95	18.3	132.3	7.33	143.3	8.53	156.1	9.93	169.6	11.17	174.8	11.45	181.5	11.73	186.7	11.94
		22.9	132.3	7.18	143.3	8.39	156.1	9.76	169.6	10.99	174.8	11.27	181.5	11.54	186.7	11.76
		45.7	132.3	6.61	143.3	7.84	156.1	9.13	169.6	10.29	174.8	10.55	181.5	10.82	186.7	11.01
		57.1	132.3	6.44	143.3	7.67	156.1	8.94	169.6	10.08	174.8	10.34	181.5	10.61	186.7	10.76
		68.6	132.3	6.35	143.3	7.58	156.1	8.84	169.6	9.98	174.8	10.23	181.5	10.51	186.7	10.63
	104	18.3	120.2	7.89	130.0	9.17	141.6	10.68	154.0	12.03	158.4	12.31	164.7	12.61	169.4	12.84
		22.9	120.2	7.73	130.0	9.02	141.6	10.51	154.0	11.84	158.4	12.12	164.7	12.41	169.4	12.65
		45.7	120.2	7.12	130.0	8.43	141.6	9.83	154.0	11.08	158.4	11.33	164.7	11.63	169.4	11.86
		57.1	120.2	6.93	130.0	8.26	141.6	9.64	154.0	10.85	158.4	11.12	164.7	11.42	169.4	11.59
		68.6	120.2	6.83	130.0	8.18	141.6	9.54	154.0	10.73	158.4	11.02	164.7	11.31	169.4	11.45
	113	18.3	108.0	8.45	116.7	9.82	127.2	11.43	138.4	12.90	142.1	13.18	147.9	13.50	152.1	13.74
		22.9	108.0	8.28	116.7	9.66	127.2	11.25	138.4	12.69	142.1	12.96	147.9	13.28	152.1	13.54
		45.7	108.0	7.63	116.7	9.02	127.2	10.53	138.4	11.86	142.1	12.12	147.9	12.43	152.1	12.71
		57.1	108.0	7.41	116.7	8.85	127.2	10.34	138.4	11.61	142.1	11.90	147.9	12.22	152.1	12.41
		68.6	108.0	7.31	116.7	8.77	127.2	10.24	138.4	11.48	142.1	11.80	147.9	12.12	152.1	12.26
110	23	12.1	139.4	2.83	150.8	3.28	164.1	3.79	178.6	4.29	184.0	4.37	191.5	4.51	196.4	4.56
	32	13.5	139.4	2.83	150.8	3.28	164.1	3.79	178.6	4.29	184.0	4.37	191.5	4.51	196.4	4.56
	41	15.6	139.4	2.83	150.8	3.28	164.1	3.79	178.6	4.29	184.0	4.37	191.5	4.51	196.4	4.56
	50	18.3	139.4	2.83	150.8	3.28	164.1	3.79	178.6	4.29	184.0	4.37	191.5	4.51	196.4	4.56
		22.9	139.4	2.78	150.8	3.22	164.1	3.73	178.6	4.23	184.0	4.31	191.5	4.43	196.4	4.49
		45.7	139.4	2.55	150.8	3.00	164.1	3.51	178.6	3.96	184.0	4.06	191.5	4.12	196.4	4.20
		57.1	139.4	2.47	150.8	2.94	164.1	3.43	178.6	3.88	184.0	3.96	191.5	4.04	196.4	4.15
		68.6	139.4	2.43	150.8	2.91	164.1	3.39	178.6	3.84	184.0	3.91	191.5	4.00	196.4	4.12
	59	18.3	138.6	3.78	150.0	4.40	163.3	5.10	177.6	5.75	182.9	5.87	190.2	6.03	195.3	6.13
		22.9	138.6	3.71	150.0	4.32	163.3	5.02	177.6	5.66	182.9	5.78	190.2	5.93	195.3	6.04
		45.7	138.6	3.41	150.0	4.02	163.3	4.70	177.6	5.30	182.9	5.42	190.2	5.55	195.3	5.66
		57.1	138.6	3.30	150.0	3.94	163.3	4.60	177.6	5.19	182.9	5.32	190.2	5.44	195.3	5.53
		68.6	138.6	3.25	150.0	3.90	163.3	4.54	177.6	5.14	182.9	5.26	190.2	5.39	195.3	5.47
	67	18.3	137.9	4.62	149.3	5.39	162.6	6.27	176.6	7.04	182.0	7.21	189.0	7.38	194.4	7.53
		22.9	137.9	4.53	149.3	5.30	162.6	6.16	176.6	6.93	182.0	7.10	189.0	7.27	194.4	7.41
		45.7	137.9	4.17	149.3	4.94	162.6	5.76	176.6	6.48	182.0	6.63	189.0	6.82	194.4	6.95
		57.1	137.9	4.05	149.3	4.83	162.6	5.63	176.6	6.35	182.0	6.52	189.0	6.69	194.4	6.76
		68.6	137.9	3.98	149.3	4.78	162.6	5.57	176.6	6.29	182.0	6.47	189.0	6.63	194.4	6.66
	75	18.3	137.9	5.66	149.3	6.59	162.6	7.66	176.6	8.63	182.0	8.82	189.0	9.04	194.4	9.21
		22.9	137.9	5.55	149.3	6.48	162.6	7.54	176.6	8.49	182.0	8.68	189.0	8.90	194.4	9.07
		45.7	137.9	5.10	149.3	6.06	162.6	7.05	176.6	7.94	182.0	8.13	189.0	8.35	194.4	8.49
		57.1	137.9	4.96	149.3	5.93	162.6	6.91	176.6	7.77	182.0	7.99	189.0	8.18	194.4	8.28
		68.6	137.9	4.88	149.3	5.87	162.6	6.83	176.6	7.69	182.0	7.91	189.0	8.09	194.4	8.18
	86	18.3	137.9	6.89	149.3	8.03	162.6	9.34	176.6	10.53	182.0	10.76	189.0	11.04	194.4	11.23
		22.9	137.9	6.76	149.3	7.90	162.6	9.19	176.6	10.36	182.0	10.59	189.0	10.87	194.4	11.06
		45.7	137.9	6.23	149.3	7.37	162.6	8.60	176.6	9.68	182.0	9.91	189.0	10.17	194.4	10.36
		57.1	137.9	6.06	149.3	7.22	162.6	8.41	176.6	9.49	182.0	9.72	189.0	9.98	194.4	10.10
		68.6	137.9	5.97	149.3	7.15	162.6	8.31	176.6	9.39	182.0	9.63	189.0	9.88	194.4	9.98
	95	18.3	128.3	7.18	139.1	8.33	151.4	9.71	164.7	10.94	169.6	11.19	176.2	11.47	181.1	11.69
		22.9	128.3	7.03	139.1	8.20	151.4	9.55	164.7	10.76	169.6	11.01	176.2	11.29	181.1	11.50
		45.7	128.3	6.46	139.1	7.67	151.4	8.94	164.7	10.06	169.6	10.32	176.2	10.57	181.1	10.76
		57.1	128.3	6.29	139.1	7.50	151.4	8.75	164.7	9.87	169.6	10.10	176.2	10.38	181.1	10.51
		68.6	128.3	6.21	139.1	7.41	151.4	8.65	164.7	9.78	169.6	10.00	176.2	10.28	181.1	10.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168BAS4 , ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	18.3	119.0	7.89	128.8	9.15	140.5	10.68	152.6	12.01	157.0	12.29	163.3	12.59	167.8	12.82
		22.9	119.0	7.73	128.8	9.00	140.5	10.51	152.6	11.82	157.0	12.09	163.3	12.39	167.8	12.62
		45.7	119.0	7.10	128.8	8.43	140.5	9.81	152.6	11.06	157.0	11.31	163.3	11.61	167.8	11.84
		57.1	119.0	6.91	128.8	8.24	140.5	9.62	152.6	10.85	157.0	11.10	163.3	11.40	167.8	11.54
		68.6	119.0	6.81	128.8	8.14	140.5	9.52	152.6	10.74	157.0	10.99	163.3	11.29	167.8	11.40
	113	18.3	109.7	8.61	118.5	9.96	129.5	11.66	140.5	13.09	144.4	13.39	150.5	13.71	154.5	13.96
		22.9	109.7	8.43	118.5	9.81	129.5	11.46	140.5	12.88	144.4	13.18	150.5	13.49	154.5	13.75
		45.7	109.7	7.73	118.5	9.19	129.5	10.68	140.5	12.05	144.4	12.31	150.5	12.65	154.5	12.92
		57.1	109.7	7.52	118.5	8.98	129.5	10.49	140.5	11.82	144.4	12.09	150.5	12.41	154.5	12.58
		68.6	109.7	7.41	118.5	8.88	129.5	10.39	140.5	11.70	144.4	11.99	150.5	12.30	154.5	12.41
100	23	12.1	131.1	2.64	141.9	3.09	154.5	3.58	168.0	4.01	173.1	4.11	179.7	4.24	184.8	4.34
	32	13.5	131.1	2.64	141.9	3.09	154.5	3.58	168.0	4.01	173.1	4.11	179.7	4.24	184.8	4.34
	41	15.6	131.1	2.64	141.9	3.09	154.5	3.58	168.0	4.01	173.1	4.11	179.7	4.24	184.8	4.34
	50	18.3	131.1	2.64	141.9	3.09	154.5	3.58	168.0	4.01	173.1	4.11	179.7	4.24	184.8	4.34
		22.9	131.1	2.59	141.9	3.04	154.5	3.52	168.0	3.95	173.1	4.05	179.7	4.18	184.8	4.26
		45.7	131.1	2.38	141.9	2.81	154.5	3.30	168.0	3.73	173.1	3.83	179.7	3.91	184.8	3.95
		57.1	131.1	2.35	141.9	2.75	154.5	3.24	168.0	3.62	173.1	3.73	179.7	3.83	184.8	3.89
		68.6	131.1	2.33	141.9	2.72	154.5	3.21	168.0	3.57	173.1	3.68	179.7	3.79	184.8	3.87
	59	18.3	131.1	3.59	141.9	4.18	154.5	4.87	168.0	5.47	173.1	5.59	179.7	5.75	184.8	5.86
		22.9	131.1	3.52	141.9	4.11	154.5	4.79	168.0	5.38	173.1	5.51	179.7	5.66	184.8	5.76
		45.7	131.1	3.24	141.9	3.83	154.5	4.47	168.0	5.04	173.1	5.17	179.7	5.30	184.8	5.38
		57.1	131.1	3.16	141.9	3.75	154.5	4.38	168.0	4.94	173.1	5.06	179.7	5.19	184.8	5.25
		68.6	131.1	3.11	141.9	3.71	154.5	4.34	168.0	4.88	173.1	5.01	179.7	5.14	184.8	5.19
	67	18.3	131.1	4.43	141.9	5.14	154.5	6.01	168.0	6.76	173.1	6.91	179.7	7.08	184.8	7.21
		22.9	131.1	4.34	141.9	5.06	154.5	5.91	168.0	6.65	173.1	6.80	179.7	6.97	184.8	7.10
		45.7	131.1	4.00	141.9	4.74	154.5	5.51	168.0	6.21	173.1	6.35	179.7	6.52	184.8	6.65
		57.1	131.1	3.88	141.9	4.64	154.5	5.40	168.0	6.10	173.1	6.25	179.7	6.40	184.8	6.46
		68.6	131.1	3.81	141.9	4.59	154.5	5.35	168.0	6.05	173.1	6.20	179.7	6.33	184.8	6.37
	75	18.3	131.1	5.40	141.9	6.29	154.5	7.32	168.0	8.25	173.1	8.44	179.7	8.63	184.8	8.81
		22.9	131.1	5.30	141.9	6.19	154.5	7.20	168.0	8.11	173.1	8.30	179.7	8.49	184.8	8.66
		45.7	131.1	4.87	141.9	5.78	154.5	6.74	168.0	7.58	173.1	7.75	179.7	7.96	184.8	8.09
		57.1	131.1	4.74	141.9	5.66	154.5	6.59	168.0	7.43	173.1	7.60	179.7	7.82	184.8	7.88
		68.6	131.1	4.68	141.9	5.59	154.5	6.51	168.0	7.36	173.1	7.53	179.7	7.74	184.8	7.77
	86	18.3	131.1	6.66	141.9	7.73	154.5	9.00	168.0	10.14	173.1	10.38	179.7	10.64	184.8	10.83
		22.9	131.1	6.52	141.9	7.60	154.5	8.85	168.0	9.98	173.1	10.21	179.7	10.46	184.8	10.65
		45.7	131.1	5.99	141.9	7.10	154.5	8.28	168.0	9.32	173.1	9.53	179.7	9.79	184.8	9.96
		57.1	131.1	5.83	141.9	6.95	154.5	8.11	168.0	9.13	173.1	9.36	179.7	9.60	184.8	9.70
		68.6	131.1	5.74	141.9	6.87	154.5	8.03	168.0	9.03	173.1	9.28	179.7	9.50	184.8	9.57
	95	18.3	124.6	7.02	134.9	8.16	146.8	9.50	159.6	10.70	164.5	10.96	170.8	11.21	175.5	11.41
		22.9	124.6	6.88	134.9	8.03	146.8	9.34	159.6	10.53	164.5	10.78	170.8	11.04	175.5	11.23
		45.7	124.6	6.33	134.9	7.50	146.8	8.73	159.6	9.83	164.5	10.08	170.8	10.34	175.5	10.51
		57.1	124.6	6.14	134.9	7.35	146.8	8.56	159.6	9.64	164.5	9.89	170.8	10.15	175.5	10.23
		68.6	124.6	6.05	134.9	7.28	146.8	8.47	159.6	9.54	164.5	9.80	170.8	10.05	175.5	10.09
	104	18.3	117.8	7.87	127.6	9.15	139.1	10.66	151.2	11.99	155.6	12.30	161.7	12.59	166.4	12.81
		22.9	117.8	7.71	127.6	9.00	139.1	10.49	151.2	11.80	155.6	12.09	161.7	12.39	166.4	12.60
		45.7	117.8	7.10	127.6	8.41	139.1	9.81	151.2	11.04	155.6	11.29	161.7	11.59	166.4	11.80
		57.1	117.8	6.91	127.6	8.24	139.1	9.60	151.2	10.82	155.6	11.10	161.7	11.37	166.4	11.48
		68.6	117.8	6.81	127.6	8.16	139.1	9.49	151.2	10.72	155.6	11.00	161.7	11.27	166.4	11.32
	113	18.3	111.1	8.71	120.4	10.14	131.4	11.82	142.8	13.28	146.8	13.64	152.6	13.98	157.3	14.20
		22.9	111.1	8.54	120.4	9.98	131.4	11.63	142.8	13.07	146.8	13.41	152.6	13.75	157.3	13.98
		45.7	111.1	7.86	120.4	9.32	131.4	10.89	142.8	12.24	146.8	12.50	152.6	12.84	157.3	13.09
		57.1	111.1	7.67	120.4	9.13	131.4	10.63	142.8	12.01	146.8	12.31	152.6	12.60	157.3	12.73
		68.6	111.1	7.57	120.4	9.03	131.4	10.51	142.8	11.89	146.8	12.21	152.6	12.49	157.3	12.55
90	23	12.1	117.8	2.28	127.6	2.65	139.1	3.05	151.2	3.47	155.6	3.56	161.7	3.67	166.4	3.73
	32	13.5	117.8	2.28	127.6	2.65	139.1	3.05	151.2	3.47	155.6	3.56	161.7	3.67	166.4	3.73
	41	15.6	117.8	2.28	127.6	2.65	139.1	3.05	151.2	3.47	155.6	3.56	161.7	3.67	166.4	3.73
	50	18.3	117.8	2.28	127.6	2.65	139.1	3.05	151.2	3.47	155.6	3.56	161.7	3.67	166.4	3.73
		22.9	117.8	2.24	127.6	2.61	139.1	3.01	151.2	3.42	155.6	3.51	161.7	3.61	166.4	3.67
		45.7	117.8	2.08	127.6	2.45	139.1	2.85	151.2	3.22	155.6	3.28	161.7	3.36	166.4	3.42
		57.1	117.8	2.00	127.6	2.41	139.1	2.77	151.2	3.14	155.6	3.22	161.7	3.30	166.4	3.32
		68.6	117.8	1.95	127.6	2.39	139.1	2.73	151.2	3.10	155.6	3.19	161.7	3.27	166.4	3.27

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	18.3	117.8	3.09	127.6	3.60	139.1	4.17	151.2	4.71	155.6	4.82	161.7	4.95	166.4	5.04
		22.9	117.8	3.03	127.6	3.54	139.1	4.11	151.2	4.64	155.6	4.74	161.7	4.87	166.4	4.96
		45.7	117.8	2.80	127.6	3.30	139.1	3.86	151.2	4.34	155.6	4.45	161.7	4.55	166.4	4.64
		57.1	117.8	2.71	127.6	3.24	139.1	3.77	151.2	4.26	155.6	4.36	161.7	4.47	166.4	4.51
		68.6	117.8	2.67	127.6	3.21	139.1	3.73	151.2	4.22	155.6	4.32	161.7	4.43	166.4	4.45
	67	18.3	117.8	3.80	127.6	4.44	139.1	5.17	151.2	5.82	155.6	5.94	161.7	6.09	166.4	6.20
		22.9	117.8	3.73	127.6	4.36	139.1	5.08	151.2	5.72	155.6	5.85	161.7	5.99	166.4	6.10
		45.7	117.8	3.43	127.6	4.07	139.1	4.74	151.2	5.34	155.6	5.49	161.7	5.61	166.4	5.72
		57.1	117.8	3.35	127.6	3.98	139.1	4.66	151.2	5.25	155.6	5.38	161.7	5.51	166.4	5.57
		68.6	117.8	3.30	127.6	3.94	139.1	4.62	151.2	5.21	155.6	5.33	161.7	5.45	166.4	5.50
	75	18.3	117.8	4.65	127.6	5.40	139.1	6.29	151.2	7.08	155.6	7.26	161.7	7.43	166.4	7.58
		22.9	117.8	4.55	127.6	5.32	139.1	6.19	151.2	6.97	155.6	7.14	161.7	7.31	166.4	7.46
		45.7	117.8	4.19	127.6	4.98	139.1	5.78	151.2	6.52	155.6	6.67	161.7	6.84	166.4	6.97
		57.1	117.8	4.07	127.6	4.87	139.1	5.68	151.2	6.40	155.6	6.55	161.7	6.71	166.4	6.80
		68.6	117.8	4.00	127.6	4.82	139.1	5.62	151.2	6.33	155.6	6.48	161.7	6.65	166.4	6.72
	86	18.3	117.8	5.73	127.6	6.65	139.1	7.75	151.2	8.72	155.6	8.93	161.7	9.15	166.4	9.32
		22.9	117.8	5.61	127.6	6.55	139.1	7.63	151.2	8.58	155.6	8.79	161.7	9.00	166.4	9.17
		45.7	117.8	5.15	127.6	6.12	139.1	7.12	151.2	8.03	155.6	8.22	161.7	8.43	166.4	8.58
		57.1	117.8	5.02	127.6	5.99	139.1	6.97	151.2	7.86	155.6	8.07	161.7	8.26	166.4	8.35
		68.6	117.8	4.96	127.6	5.93	139.1	6.90	151.2	7.77	155.6	8.00	161.7	8.18	166.4	8.23
	95	18.3	114.6	6.18	124.1	7.17	135.3	8.35	147.0	9.41	151.4	9.62	157.3	9.86	161.7	10.05
		22.9	114.6	6.06	124.1	7.05	135.3	8.22	147.0	9.26	151.4	9.47	157.3	9.70	161.7	9.89
		45.7	114.6	5.57	124.1	6.61	135.3	7.69	147.0	8.66	151.4	8.85	157.3	9.09	161.7	9.26
		57.1	114.6	5.40	124.1	6.46	135.3	7.52	147.0	8.49	151.4	8.71	157.3	8.92	161.7	9.00
		68.6	114.6	5.32	124.1	6.39	135.3	7.44	147.0	8.41	151.4	8.63	157.3	8.83	161.7	8.88
	104	18.3	111.3	7.09	120.6	8.25	131.4	9.60	142.8	10.81	147.0	11.06	152.8	11.34	157.0	11.54
		22.9	111.3	6.95	120.6	8.11	131.4	9.45	142.8	10.63	147.0	10.89	152.8	11.16	157.0	11.35
		45.7	111.3	6.40	120.6	7.58	131.4	8.83	142.8	9.93	147.0	10.19	152.8	10.44	157.0	10.63
		57.1	111.3	6.21	120.6	7.41	131.4	8.64	142.8	9.74	147.0	10.00	152.8	10.25	157.0	10.36
		68.6	111.3	6.11	120.6	7.33	131.4	8.55	142.8	9.65	147.0	9.90	152.8	10.16	157.0	10.22
	113	18.3	108.0	7.99	117.1	9.33	127.4	10.85	138.6	12.21	142.6	12.50	148.4	12.83	152.4	13.02
		22.9	108.0	7.84	117.1	9.17	127.4	10.68	138.6	12.01	142.6	12.31	148.4	12.62	152.4	12.82
		45.7	108.0	7.22	117.1	8.56	127.4	9.98	138.6	11.21	142.6	11.52	148.4	11.80	152.4	12.01
		57.1	108.0	7.01	117.1	8.37	127.4	9.76	138.6	10.99	142.6	11.29	148.4	11.59	152.4	11.71
		68.6	108.0	6.91	117.1	8.27	127.4	9.66	138.6	10.89	142.6	11.17	148.4	11.48	152.4	11.57
80	23	12.1	104.8	1.92	113.6	2.21	123.7	2.59	134.4	2.95	138.4	2.98	143.7	3.10	147.9	3.11
	32	13.5	104.8	1.92	113.6	2.21	123.7	2.59	134.4	2.95	138.4	2.98	143.7	3.10	147.9	3.11
	41	15.6	104.8	1.92	113.6	2.21	123.7	2.59	134.4	2.95	138.4	2.98	143.7	3.10	147.9	3.11
	50	18.3	104.8	1.92	113.6	2.21	123.7	2.59	134.4	2.95	138.4	2.98	143.7	3.10	147.9	3.11
		22.9	104.8	1.87	113.6	2.18	123.7	2.55	134.4	2.90	138.4	2.93	143.7	3.04	147.9	3.06
		45.7	104.8	1.71	113.6	2.06	123.7	2.36	134.4	2.69	138.4	2.75	143.7	2.81	147.9	2.85
		57.1	104.8	1.67	113.6	2.00	123.7	2.32	134.4	2.61	138.4	2.67	143.7	2.77	147.9	2.81
		68.6	104.8	1.65	113.6	1.96	123.7	2.30	134.4	2.56	138.4	2.62	143.7	2.75	147.9	2.80
	59	18.3	104.8	2.60	113.6	3.01	123.7	3.51	134.4	3.96	138.4	4.05	143.7	4.16	147.9	4.22
		22.9	104.8	2.54	113.6	2.97	123.7	3.45	134.4	3.90	138.4	3.98	143.7	4.09	147.9	4.15
		45.7	104.8	2.33	113.6	2.77	123.7	3.22	134.4	3.64	138.4	3.73	143.7	3.81	147.9	3.88
		57.1	104.8	2.27	113.6	2.71	123.7	3.16	134.4	3.56	138.4	3.64	143.7	3.75	147.9	3.79
		68.6	104.8	2.23	113.6	2.68	123.7	3.12	134.4	3.52	138.4	3.60	143.7	3.72	147.9	3.75
	67	18.3	104.8	3.20	113.6	3.73	123.7	4.33	134.4	4.86	138.4	4.99	143.7	5.10	147.9	5.21
		22.9	104.8	3.13	113.6	3.66	123.7	4.26	134.4	4.79	138.4	4.91	143.7	5.02	147.9	5.13
		45.7	104.8	2.88	113.6	3.41	123.7	3.98	134.4	4.49	138.4	4.60	143.7	4.70	147.9	4.79
		57.1	104.8	2.80	113.6	3.35	123.7	3.90	134.4	4.41	138.4	4.51	143.7	4.62	147.9	4.66
		68.6	104.8	2.75	113.6	3.32	123.7	3.86	134.4	4.36	138.4	4.47	143.7	4.58	147.9	4.60
	75	18.3	104.8	3.89	113.6	4.52	123.7	5.28	134.4	5.94	138.4	6.10	143.7	6.24	147.9	6.35
		22.9	104.8	3.81	113.6	4.45	123.7	5.19	134.4	5.85	138.4	5.99	143.7	6.14	147.9	6.25
		45.7	104.8	3.52	113.6	4.17	123.7	4.85	134.4	5.46	138.4	5.59	143.7	5.74	147.9	5.85
		57.1	104.8	3.41	113.6	4.09	123.7	4.77	134.4	5.36	138.4	5.49	143.7	5.63	147.9	5.70
		68.6	104.8	3.36	113.6	4.05	123.7	4.72	134.4	5.31	138.4	5.43	143.7	5.58	147.9	5.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168BAS4 , ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	18.3	104.8	4.80	113.6	5.58	123.7	6.50	134.4	7.32	138.4	7.49	143.7	7.66	147.9	7.82
		22.9	104.8	4.70	113.6	5.49	123.7	6.40	134.4	7.20	138.4	7.37	143.7	7.54	147.9	7.69
		45.7	104.8	4.32	113.6	5.13	123.7	5.97	134.4	6.71	138.4	6.88	143.7	7.05	147.9	7.18
		57.1	104.8	4.19	113.6	5.02	123.7	5.85	134.4	6.59	138.4	6.76	143.7	6.93	147.9	6.99
		68.6	104.8	4.13	113.6	4.97	123.7	5.78	134.4	6.52	138.4	6.69	143.7	6.86	147.9	6.90
	95	18.3	104.8	5.34	113.6	6.20	123.7	7.21	134.4	8.11	138.4	8.31	143.7	8.53	147.9	8.68
		22.9	104.8	5.23	113.6	6.10	123.7	7.10	134.4	7.99	138.4	8.18	143.7	8.39	147.9	8.54
		45.7	104.8	4.81	113.6	5.70	123.7	6.63	134.4	7.48	138.4	7.65	143.7	7.84	147.9	7.99
		57.1	104.8	4.68	113.6	5.57	123.7	6.50	134.4	7.33	138.4	7.50	143.7	7.71	147.9	7.77
		68.6	104.8	4.62	113.6	5.51	123.7	6.44	134.4	7.26	138.4	7.42	143.7	7.65	147.9	7.67
	104	18.3	104.8	6.31	113.6	7.35	123.7	8.55	134.4	9.62	138.4	9.84	143.7	10.09	147.9	10.26
		22.9	104.8	6.19	113.6	7.22	123.7	8.41	134.4	9.47	138.4	9.68	143.7	9.93	147.9	10.10
		45.7	104.8	5.70	113.6	6.74	123.7	7.86	134.4	8.85	138.4	9.07	143.7	9.30	147.9	9.47
		57.1	104.8	5.53	113.6	6.61	123.7	7.69	134.4	8.68	138.4	8.90	143.7	9.11	147.9	9.21
		68.6	104.8	5.44	113.6	6.55	123.7	7.60	134.4	8.60	138.4	8.81	143.7	9.01	147.9	9.09
	113	18.3	104.8	7.28	113.6	8.49	123.7	9.88	134.4	11.13	138.4	11.36	143.7	11.66	147.9	11.85
		22.9	104.8	7.14	113.6	8.35	123.7	9.72	134.4	10.95	138.4	11.18	143.7	11.48	147.9	11.67
		45.7	104.8	6.59	113.6	7.77	123.7	9.09	134.4	10.23	138.4	10.49	143.7	10.76	147.9	10.95
		57.1	104.8	6.38	113.6	7.65	123.7	8.88	134.4	10.04	138.4	10.29	143.7	10.51	147.9	10.65
		68.6	104.8	6.27	113.6	7.58	123.7	8.77	134.4	9.95	138.4	10.20	143.7	10.38	147.9	10.51
70	23	12.1	91.7	1.60	99.4	1.84	108.3	2.18	117.6	2.45	121.1	2.46	125.8	2.55	129.3	2.58
	32	13.5	91.7	1.60	99.4	1.84	108.3	2.18	117.6	2.45	121.1	2.46	125.8	2.55	129.3	2.58
	41	15.6	91.7	1.60	99.4	1.84	108.3	2.18	117.6	2.45	121.1	2.46	125.8	2.55	129.3	2.58
	50	18.3	91.7	1.60	99.4	1.84	108.3	2.18	117.6	2.45	121.1	2.46	125.8	2.55	129.3	2.58
		22.9	91.7	1.57	99.4	1.81	108.3	2.14	117.6	2.41	121.1	2.42	125.8	2.51	129.3	2.55
		45.7	91.7	1.45	99.4	1.71	108.3	2.00	117.6	2.24	121.1	2.28	125.8	2.34	129.3	2.41
		57.1	91.7	1.38	99.4	1.65	108.3	1.94	117.6	2.18	121.1	2.22	125.8	2.30	129.3	2.35
		68.6	91.7	1.35	99.4	1.62	108.3	1.90	117.6	2.15	121.1	2.19	125.8	2.28	129.3	2.32
	59	18.3	91.7	2.16	99.4	2.49	108.3	2.93	117.6	3.29	121.1	3.36	125.8	3.44	129.3	3.51
		22.9	91.7	2.12	99.4	2.46	108.3	2.88	117.6	3.24	121.1	3.30	125.8	3.39	129.3	3.45
		45.7	91.7	1.95	99.4	2.31	108.3	2.69	117.6	3.03	121.1	3.09	125.8	3.18	129.3	3.24
		57.1	91.7	1.89	99.4	2.25	108.3	2.63	117.6	2.97	121.1	3.03	125.8	3.11	129.3	3.16
		68.6	91.7	1.85	99.4	2.21	108.3	2.59	117.6	2.93	121.1	3.00	125.8	3.08	129.3	3.11
	67	18.3	91.7	2.66	99.4	3.08	108.3	3.60	117.6	4.05	121.1	4.16	125.8	4.24	129.3	4.33
		22.9	91.7	2.61	99.4	3.03	108.3	3.54	117.6	3.98	121.1	4.09	125.8	4.17	129.3	4.26
		45.7	91.7	2.39	99.4	2.84	108.3	3.30	117.6	3.73	121.1	3.81	125.8	3.92	129.3	3.98
		57.1	91.7	2.33	99.4	2.77	108.3	3.24	117.6	3.66	121.1	3.75	125.8	3.83	129.3	3.88
		68.6	91.7	2.30	99.4	2.74	108.3	3.21	117.6	3.63	121.1	3.72	125.8	3.79	129.3	3.82
	75	18.3	91.7	3.24	99.4	3.77	108.3	4.39	117.6	4.95	121.1	5.06	125.8	5.19	129.3	5.28
		22.9	91.7	3.18	99.4	3.71	108.3	4.32	117.6	4.87	121.1	4.98	125.8	5.10	129.3	5.19
		45.7	91.7	2.92	99.4	3.47	108.3	4.05	117.6	4.55	121.1	4.66	125.8	4.77	129.3	4.85
		57.1	91.7	2.84	99.4	3.39	108.3	3.96	117.6	4.45	121.1	4.58	125.8	4.68	129.3	4.72
		68.6	91.7	2.80	99.4	3.35	108.3	3.92	117.6	4.40	121.1	4.53	125.8	4.64	129.3	4.66
	86	18.3	91.7	4.00	99.4	4.63	108.3	5.41	117.6	6.07	121.1	6.22	125.8	6.37	129.3	6.48
		22.9	91.7	3.92	99.4	4.55	108.3	5.32	117.6	5.97	121.1	6.12	125.8	6.27	129.3	6.38
		45.7	91.7	3.60	99.4	4.26	108.3	4.96	117.6	5.59	121.1	5.72	125.8	5.87	129.3	5.97
		57.1	91.7	3.50	99.4	4.17	108.3	4.87	117.6	5.49	121.1	5.61	125.8	5.76	129.3	5.83
		68.6	91.7	3.44	99.4	4.13	108.3	4.83	117.6	5.43	121.1	5.56	125.8	5.71	129.3	5.75
	95	18.3	91.7	4.43	99.4	5.14	108.3	6.01	117.6	6.76	121.1	6.91	125.8	7.08	129.3	7.21
		22.9	91.7	4.34	99.4	5.06	108.3	5.91	117.6	6.65	121.1	6.80	125.8	6.97	129.3	7.10
		45.7	91.7	4.00	99.4	4.74	108.3	5.51	117.6	6.21	121.1	6.35	125.8	6.52	129.3	6.65
		57.1	91.7	3.88	99.4	4.64	108.3	5.40	117.6	6.10	121.1	6.25	125.8	6.40	129.3	6.46
		68.6	91.7	3.81	99.4	4.59	108.3	5.35	117.6	6.05	121.1	6.20	125.8	6.33	129.3	6.37
	104	18.3	91.7	5.25	99.4	6.09	108.3	7.11	117.6	7.99	121.1	8.18	125.8	8.39	129.3	8.55
		22.9	91.7	5.15	99.4	5.99	108.3	6.99	117.6	7.86	121.1	8.05	125.8	8.26	129.3	8.41
		45.7	91.7	4.72	99.4	5.61	108.3	6.52	117.6	7.35	121.1	7.54	125.8	7.73	129.3	7.86
		57.1	91.7	4.60	99.4	5.49	108.3	6.40	117.6	7.22	121.1	7.39	125.8	7.58	129.3	7.67
		68.6	91.7	4.53	99.4	5.42	108.3	6.33	117.6	7.16	121.1	7.32	125.8	7.51	129.3	7.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	18.3	91.7	6.08	99.4	7.04	108.3	8.20	117.6	9.21	121.1	9.44	125.8	9.71	129.3	9.89
		22.9	91.7	5.95	99.4	6.93	108.3	8.07	117.6	9.07	121.1	9.30	125.8	9.55	129.3	9.72
		45.7	91.7	5.44	99.4	6.48	108.3	7.54	117.6	8.49	121.1	8.73	125.8	8.94	129.3	9.07
		57.1	91.7	5.32	99.4	6.33	108.3	7.39	117.6	8.35	121.1	8.54	125.8	8.77	129.3	8.88
		68.6	91.7	5.25	99.4	6.26	108.3	7.32	117.6	8.27	121.1	8.44	125.8	8.68	129.3	8.78
60	23	12.1	78.6	1.30	85.2	1.50	92.6	1.72	100.8	1.95	103.8	2.00	107.8	2.06	110.8	2.07
	32	13.5	78.6	1.30	85.2	1.50	92.6	1.72	100.8	1.95	103.8	2.00	107.8	2.06	110.8	2.07
	41	15.6	78.6	1.30	85.2	1.50	92.6	1.72	100.8	1.95	103.8	2.00	107.8	2.06	110.8	2.07
	50	18.3	78.6	1.30	85.2	1.50	92.6	1.72	100.8	1.95	103.8	2.00	107.8	2.06	110.8	2.07
		22.9	78.6	1.27	85.2	1.47	92.6	1.69	100.8	1.92	103.8	1.96	107.8	2.02	110.8	2.04
		45.7	78.6	1.14	85.2	1.37	92.6	1.57	100.8	1.80	103.8	1.79	107.8	1.85	110.8	1.92
		57.1	78.6	1.10	85.2	1.32	92.6	1.55	100.8	1.75	103.8	1.77	107.8	1.81	110.8	1.83
		68.6	78.6	1.08	85.2	1.30	92.6	1.54	100.8	1.73	103.8	1.76	107.8	1.79	110.8	1.79
	59	18.3	78.6	1.73	85.2	2.00	92.6	2.33	100.8	2.63	103.8	2.70	107.8	2.76	110.8	2.80
		22.9	78.6	1.69	85.2	1.97	92.6	2.29	100.8	2.58	103.8	2.65	107.8	2.71	110.8	2.75
		45.7	78.6	1.55	85.2	1.84	92.6	2.14	100.8	2.41	103.8	2.46	107.8	2.52	110.8	2.58
		57.1	78.6	1.50	85.2	1.80	92.6	2.10	100.8	2.37	103.8	2.41	107.8	2.48	110.8	2.50
		68.6	78.6	1.48	85.2	1.78	92.6	2.08	100.8	2.35	103.8	2.39	107.8	2.46	110.8	2.46
	67	18.3	78.6	2.12	85.2	2.45	92.6	2.86	100.8	3.23	103.8	3.32	107.8	3.38	110.8	3.44
		22.9	78.6	2.08	85.2	2.41	92.6	2.82	100.8	3.18	103.8	3.26	107.8	3.33	110.8	3.39
		45.7	78.6	1.91	85.2	2.27	92.6	2.65	100.8	2.97	103.8	3.05	107.8	3.11	110.8	3.18
		57.1	78.6	1.86	85.2	2.22	92.6	2.58	100.8	2.92	103.8	2.99	107.8	3.07	110.8	3.09
		68.6	78.6	1.84	85.2	2.20	92.6	2.55	100.8	2.90	103.8	2.96	107.8	3.05	110.8	3.05
	75	18.3	78.6	2.60	85.2	2.99	92.6	3.48	100.8	3.94	103.8	4.03	107.8	4.13	110.8	4.19
		22.9	78.6	2.54	85.2	2.94	92.6	3.43	100.8	3.88	103.8	3.96	107.8	4.07	110.8	4.13
		45.7	78.6	2.33	85.2	2.75	92.6	3.22	100.8	3.62	103.8	3.71	107.8	3.81	110.8	3.88
		57.1	78.6	2.27	85.2	2.71	92.6	3.16	100.8	3.56	103.8	3.64	107.8	3.73	110.8	3.77
		68.6	78.6	2.23	85.2	2.69	92.6	3.12	100.8	3.53	103.8	3.61	107.8	3.69	110.8	3.72
	86	18.3	78.6	3.18	85.2	3.71	92.6	4.31	100.8	4.85	103.8	4.95	107.8	5.08	110.8	5.16
		22.9	78.6	3.11	85.2	3.64	92.6	4.24	100.8	4.77	103.8	4.87	107.8	5.00	110.8	5.08
		45.7	78.6	2.86	85.2	3.39	92.6	3.96	100.8	4.45	103.8	4.55	107.8	4.68	110.8	4.77
		57.1	78.6	2.80	85.2	3.33	92.6	3.88	100.8	4.36	103.8	4.47	107.8	4.60	110.8	4.64
		68.6	78.6	2.76	85.2	3.29	92.6	3.83	100.8	4.32	103.8	4.43	107.8	4.55	110.8	4.58
	95	18.3	78.6	3.52	85.2	4.12	92.6	4.78	100.8	5.38	103.8	5.51	107.8	5.64	110.8	5.75
		22.9	78.6	3.45	85.2	4.05	92.6	4.70	100.8	5.30	103.8	5.42	107.8	5.55	110.8	5.66
		45.7	78.6	3.18	85.2	3.77	92.6	4.41	100.8	4.96	103.8	5.06	107.8	5.21	110.8	5.30
		57.1	78.6	3.09	85.2	3.69	92.6	4.30	100.8	4.85	103.8	4.98	107.8	5.10	110.8	5.15
		68.6	78.6	3.05	85.2	3.64	92.6	4.25	100.8	4.80	103.8	4.94	107.8	5.05	110.8	5.07
	104	18.3	78.6	4.19	85.2	4.87	92.6	5.66	100.8	6.37	103.8	6.53	107.8	6.69	110.8	6.80
		22.9	78.6	4.11	85.2	4.79	92.6	5.57	100.8	6.27	103.8	6.42	107.8	6.59	110.8	6.69
		45.7	78.6	3.77	85.2	4.47	92.6	5.21	100.8	5.87	103.8	5.99	107.8	6.16	110.8	6.27
		57.1	78.6	3.66	85.2	4.38	92.6	5.10	100.8	5.74	103.8	5.89	107.8	6.04	110.8	6.10
		68.6	78.6	3.61	85.2	4.34	92.6	5.05	100.8	5.68	103.8	5.84	107.8	5.97	110.8	6.02
	113	18.3	78.6	4.87	85.2	5.62	92.6	6.55	100.8	7.36	103.8	7.54	107.8	7.75	110.8	7.85
		22.9	78.6	4.77	85.2	5.53	92.6	6.44	100.8	7.24	103.8	7.41	107.8	7.63	110.8	7.73
		45.7	78.6	4.36	85.2	5.17	92.6	6.02	100.8	6.78	103.8	6.93	107.8	7.12	110.8	7.24
		57.1	78.6	4.24	85.2	5.08	92.6	5.91	100.8	6.63	103.8	6.80	107.8	6.97	110.8	7.05
		68.6	78.6	4.17	85.2	5.04	92.6	5.86	100.8	6.56	103.8	6.74	107.8	6.90	110.8	6.96
50	23	12.1	65.6	0.93	70.9	1.10	77.2	1.32	84.0	1.45	86.6	1.47	89.8	1.51	92.4	1.56
	32	13.5	65.6	0.93	70.9	1.10	77.2	1.32	84.0	1.45	86.6	1.47	89.8	1.51	92.4	1.56
	41	15.6	65.6	0.93	70.9	1.10	77.2	1.32	84.0	1.45	86.6	1.47	89.8	1.51	92.4	1.56
	50	18.3	65.6	0.93	70.9	1.10	77.2	1.32	84.0	1.45	86.6	1.47	89.8	1.51	92.4	1.56
		22.9	65.6	0.92	70.9	1.08	77.2	1.29	84.0	1.43	86.6	1.45	89.8	1.49	92.4	1.53
		45.7	65.6	0.88	70.9	1.02	77.2	1.16	84.0	1.32	86.6	1.37	89.8	1.38	92.4	1.43
		57.1	65.6	0.84	70.9	0.98	77.2	1.16	84.0	1.28	86.6	1.32	89.8	1.34	92.4	1.36
		68.6	65.6	0.82	70.9	0.96	77.2	1.16	84.0	1.26	86.6	1.30	89.8	1.32	92.4	1.33
	59	18.3	65.6	1.27	70.9	1.48	77.2	1.75	84.0	1.96	86.6	2.00	89.8	2.04	92.4	2.09
		22.9	65.6	1.25	70.9	1.46	77.2	1.72	84.0	1.93	86.6	1.97	89.8	2.01	92.4	2.05
		45.7	65.6	1.17	70.9	1.38	77.2	1.59	84.0	1.80	86.6	1.84	89.8	1.89	92.4	1.93
		57.1	65.6	1.12	70.9	1.33	77.2	1.57	84.0	1.76	86.6	1.80	89.8	1.84	92.4	1.86
		68.6	65.6	1.10	70.9	1.31	77.2	1.56	84.0	1.74	86.6	1.78	89.8	1.82	92.4	1.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	18.3	65.6	1.58	70.9	1.83	77.2	2.13	84.0	2.41	86.6	2.48	89.8	2.52	92.4	2.56
		22.9	65.6	1.55	70.9	1.80	77.2	2.10	84.0	2.37	86.6	2.44	89.8	2.48	92.4	2.52
		45.7	65.6	1.42	70.9	1.69	77.2	1.97	84.0	2.22	86.6	2.27	89.8	2.33	92.4	2.37
		57.1	65.6	1.38	70.9	1.65	77.2	1.93	84.0	2.18	86.6	2.22	89.8	2.29	92.4	2.31
		68.6	65.6	1.36	70.9	1.63	77.2	1.91	84.0	2.16	86.6	2.20	89.8	2.27	92.4	2.28
	75	18.3	65.6	1.92	70.9	2.24	77.2	2.61	84.0	2.92	86.6	3.01	89.8	3.08	92.4	3.15
		22.9	65.6	1.89	70.9	2.20	77.2	2.56	84.0	2.88	86.6	2.97	89.8	3.03	92.4	3.09
		45.7	65.6	1.74	70.9	2.05	77.2	2.39	84.0	2.71	86.6	2.77	89.8	2.84	92.4	2.88
		57.1	65.6	1.69	70.9	2.01	77.2	2.35	84.0	2.65	86.6	2.71	89.8	2.77	92.4	2.82
		68.6	65.6	1.67	70.9	1.99	77.2	2.33	84.0	2.62	86.6	2.68	89.8	2.74	92.4	2.79
	86	18.3	65.6	2.38	70.9	2.75	77.2	3.21	84.0	3.62	86.6	3.70	89.8	3.79	92.4	3.85
		22.9	65.6	2.33	70.9	2.71	77.2	3.16	84.0	3.56	86.6	3.64	89.8	3.73	92.4	3.79
		45.7	65.6	2.14	70.9	2.54	77.2	2.94	84.0	3.33	86.6	3.41	89.8	3.50	92.4	3.56
		57.1	65.6	2.08	70.9	2.48	77.2	2.88	84.0	3.26	86.6	3.35	89.8	3.43	92.4	3.45
		68.6	65.6	2.04	70.9	2.45	77.2	2.85	84.0	3.23	86.6	3.32	89.8	3.40	92.4	3.40
	95	18.3	65.6	2.64	70.9	3.06	77.2	3.58	84.0	4.00	86.6	4.12	89.8	4.22	92.4	4.28
		22.9	65.6	2.58	70.9	3.01	77.2	3.52	84.0	3.94	86.6	4.05	89.8	4.15	92.4	4.22
		45.7	65.6	2.37	70.9	2.82	77.2	3.28	84.0	3.69	86.6	3.77	89.8	3.88	92.4	3.94
		57.1	65.6	2.31	70.9	2.75	77.2	3.22	84.0	3.62	86.6	3.71	89.8	3.81	92.4	3.83
		68.6	65.6	2.28	70.9	2.72	77.2	3.19	84.0	3.59	86.6	3.68	89.8	3.78	92.4	3.78
	104	18.3	65.6	3.11	70.9	3.62	77.2	4.22	84.0	4.76	86.6	4.87	89.8	4.99	92.4	5.08
		22.9	65.6	3.05	70.9	3.56	77.2	4.15	84.0	4.68	86.6	4.79	89.8	4.91	92.4	5.00
		45.7	65.6	2.82	70.9	3.33	77.2	3.88	84.0	4.36	86.6	4.47	89.8	4.60	92.4	4.68
		57.1	65.6	2.73	70.9	3.26	77.2	3.81	84.0	4.28	86.6	4.38	89.8	4.51	92.4	4.55
		68.6	65.6	2.69	70.9	3.23	77.2	3.78	84.0	4.24	86.6	4.34	89.8	4.47	92.4	4.49
	113	18.3	65.6	3.58	70.9	4.18	77.2	4.87	84.0	5.52	86.6	5.62	89.8	5.77	92.4	5.87
		22.9	65.6	3.52	70.9	4.11	77.2	4.79	84.0	5.42	86.6	5.53	89.8	5.68	92.4	5.78
		45.7	65.6	3.26	70.9	3.83	77.2	4.47	84.0	5.04	86.6	5.17	89.8	5.32	92.4	5.42
		57.1	65.6	3.16	70.9	3.77	77.2	4.41	84.0	4.94	86.6	5.06	89.8	5.21	92.4	5.27
		68.6	65.6	3.10	70.9	3.74	77.2	4.37	84.0	4.88	86.6	5.01	89.8	5.16	92.4	5.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	13.4	178.2	3.67	193.1	4.30	210.8	5.00	228.7	5.64	235.3	5.80	244.7	5.91	251.4	5.96
	32	15.0	178.2	3.67	193.1	4.30	210.8	5.00	228.7	5.64	235.3	5.80	244.7	5.91	251.4	5.96
	41	17.3	178.2	3.67	193.1	4.30	210.8	5.00	228.7	5.64	235.3	5.80	244.7	5.91	251.4	5.96
	50	20.3	178.2	3.67	193.1	4.30	210.8	5.00	228.7	5.64	235.3	5.80	244.7	5.91	251.4	5.96
		25.4	178.2	3.60	193.1	4.23	210.8	4.93	228.7	5.55	235.3	5.70	244.7	5.81	251.4	5.88
		50.7	178.2	3.34	193.1	3.97	210.8	4.62	228.7	5.19	235.3	5.28	244.7	5.45	251.4	5.58
		63.4	178.2	3.24	193.1	3.87	210.8	4.52	228.7	5.07	235.3	5.22	244.7	5.33	251.4	5.43
		76.1	178.2	3.20	193.1	3.82	210.8	4.47	228.7	5.01	235.3	5.18	244.7	5.27	251.4	5.36
	59	20.3	175.5	4.84	190.1	5.63	207.2	6.57	225.1	7.40	231.7	7.58	240.8	7.75	247.5	7.87
		25.4	175.5	4.75	190.1	5.54	207.2	6.46	225.1	7.29	231.7	7.46	240.8	7.63	247.5	7.76
		50.7	175.5	4.38	190.1	5.20	207.2	6.04	225.1	6.81	231.7	6.96	240.8	7.16	247.5	7.31
		63.4	175.5	4.25	190.1	5.07	207.2	5.92	225.1	6.66	231.7	6.84	240.8	7.01	247.5	7.14
		76.1	175.5	4.19	190.1	5.01	207.2	5.86	225.1	6.59	231.7	6.78	240.8	6.94	247.5	7.05
	67	20.3	173.1	5.89	187.5	6.82	204.0	7.96	221.9	8.97	228.5	9.17	237.3	9.39	244.0	9.57
		25.4	173.1	5.77	187.5	6.71	204.0	7.83	221.9	8.83	228.5	9.03	237.3	9.25	244.0	9.42
		50.7	173.1	5.30	187.5	6.29	204.0	7.31	221.9	8.25	228.5	8.45	237.3	8.68	244.0	8.85
		63.4	173.1	5.15	187.5	6.14	204.0	7.16	221.9	8.08	228.5	8.28	237.3	8.50	244.0	8.65
		76.1	173.1	5.07	187.5	6.07	204.0	7.09	221.9	7.99	228.5	8.19	237.3	8.42	244.0	8.55
	75	20.3	173.1	7.26	187.5	8.41	204.0	9.80	221.9	11.04	228.5	11.32	237.3	11.59	244.0	11.79
		25.4	173.1	7.11	187.5	8.28	204.0	9.65	221.9	10.87	228.5	11.14	237.3	11.41	244.0	11.61
		50.7	173.1	6.54	187.5	7.76	204.0	9.03	221.9	10.17	228.5	10.42	237.3	10.69	244.0	10.92
		63.4	173.1	6.37	187.5	7.58	204.0	8.85	221.9	9.97	228.5	10.22	237.3	10.49	244.0	10.67
		76.1	173.1	6.28	187.5	7.50	204.0	8.76	221.9	9.87	228.5	10.12	237.3	10.39	244.0	10.54
	86	20.3	173.1	8.70	187.5	10.11	204.0	11.77	221.9	13.27	228.5	13.57	237.3	13.92	244.0	14.13
		25.4	173.1	8.53	187.5	9.95	204.0	11.59	221.9	13.05	228.5	13.35	237.3	13.70	244.0	13.92
		50.7	173.1	7.83	187.5	9.30	204.0	10.84	221.9	12.21	228.5	12.51	237.3	12.83	244.0	13.10
		63.4	173.1	7.63	187.5	9.10	204.0	10.62	221.9	11.96	228.5	12.28	237.3	12.58	244.0	12.80
		76.1	173.1	7.53	187.5	9.00	204.0	10.51	221.9	11.84	228.5	12.17	237.3	12.46	244.0	12.66
	95	20.3	155.7	8.80	168.5	10.24	183.7	11.90	199.7	13.42	205.6	13.71	213.6	14.07	219.5	14.32
		25.4	155.7	8.63	168.5	10.07	183.7	11.71	199.7	13.20	205.6	13.50	213.6	13.85	219.5	14.10
		50.7	155.7	7.93	168.5	9.40	183.7	10.96	199.7	12.33	205.6	12.66	213.6	12.98	219.5	13.23
		63.4	155.7	7.71	168.5	9.20	183.7	10.74	199.7	12.08	205.6	12.41	213.6	12.73	219.5	12.95
		76.1	155.7	7.60	168.5	9.10	183.7	10.63	199.7	11.96	205.6	12.28	213.6	12.61	219.5	12.82
	104	20.3	138.4	9.29	149.9	10.79	163.2	12.56	177.3	14.16	182.7	14.48	189.9	14.82	195.2	15.09
		25.4	138.4	9.10	149.9	10.62	163.2	12.36	177.3	13.92	182.7	14.25	189.9	14.59	195.2	14.87
		50.7	138.4	8.35	149.9	9.92	163.2	11.56	177.3	13.00	182.7	13.33	189.9	13.70	195.2	13.97
		63.4	138.4	8.13	149.9	9.70	163.2	11.31	177.3	12.76	182.7	13.08	189.9	13.43	195.2	13.65
		76.1	138.4	8.02	149.9	9.59	163.2	11.19	177.3	12.63	182.7	12.95	189.9	13.29	195.2	13.49
	113	20.3	121.1	9.77	131.2	11.35	142.7	13.22	154.9	14.89	159.7	15.24	166.1	15.57	170.9	15.87
		25.4	121.1	9.57	131.2	11.16	142.7	13.00	154.9	14.64	159.7	14.99	166.1	15.34	170.9	15.64
		50.7	121.1	8.78	131.2	10.44	142.7	12.16	154.9	13.68	159.7	14.00	166.1	14.42	170.9	14.72
		63.4	121.1	8.55	131.2	10.19	142.7	11.88	154.9	13.43	159.7	13.75	166.1	14.12	170.9	14.35
		76.1	121.1	8.44	131.2	10.07	142.7	11.75	154.9	13.30	159.7	13.63	166.1	13.97	170.9	14.16
120	23	13.4	168.7	3.50	182.9	4.05	198.9	4.77	216.5	5.34	223.2	5.50	231.8	5.61	238.2	5.71
	32	15.0	168.7	3.50	182.9	4.05	198.9	4.77	216.5	5.34	223.2	5.50	231.8	5.61	238.2	5.71
	41	17.3	168.7	3.50	182.9	4.05	198.9	4.77	216.5	5.34	223.2	5.50	231.8	5.61	238.2	5.71
	50	20.3	168.7	3.50	182.9	4.05	198.9	4.77	216.5	5.34	223.2	5.50	231.8	5.61	238.2	5.71
		25.4	168.7	3.43	182.9	3.98	198.9	4.68	216.5	5.26	223.2	5.40	231.8	5.52	238.2	5.62
		50.7	168.7	3.14	182.9	3.72	198.9	4.34	216.5	4.92	223.2	5.01	231.8	5.16	238.2	5.23
		63.4	168.7	3.10	182.9	3.65	198.9	4.30	216.5	4.82	223.2	4.92	231.8	5.06	238.2	5.13
		76.1	168.7	3.08	182.9	3.61	198.9	4.28	216.5	4.78	223.2	4.87	231.8	5.01	238.2	5.09
	59	20.3	166.9	4.64	180.8	5.38	196.8	6.30	214.1	7.07	220.5	7.26	229.1	7.43	235.5	7.55
		25.4	166.9	4.55	180.8	5.30	196.8	6.19	214.1	6.96	220.5	7.14	229.1	7.31	235.5	7.43
		50.7	166.9	4.18	180.8	4.95	196.8	5.77	214.1	6.51	220.5	6.66	229.1	6.84	235.5	6.96
		63.4	166.9	4.08	180.8	4.85	196.8	5.67	214.1	6.39	220.5	6.54	229.1	6.71	235.5	6.81
		76.1	166.9	4.03	180.8	4.80	196.8	5.62	214.1	6.33	220.5	6.48	229.1	6.65	235.5	6.74
	67	20.3	165.3	5.66	178.9	6.57	194.9	7.66	212.0	8.62	218.1	8.82	226.7	9.05	233.1	9.19
		25.4	165.3	5.54	178.9	6.46	194.9	7.53	212.0	8.48	218.1	8.68	226.7	8.90	233.1	9.05
		50.7	165.3	5.10	178.9	6.04	194.9	7.04	212.0	7.93	218.1	8.13	226.7	8.33	233.1	8.50
		63.4	165.3	4.95	178.9	5.92	194.9	6.89	212.0	7.78	218.1	7.98	226.7	8.18	233.1	8.30
		76.1	165.3	4.87	178.9	5.86	194.9	6.81	212.0	7.71	218.1	7.91	226.7	8.11	233.1	8.21

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	20.3	165.3	6.95	178.9	8.06	194.9	9.40	212.0	10.59	218.1	10.84	226.7	11.12	233.1	11.31
		25.4	165.3	6.81	178.9	7.93	194.9	9.25	212.0	10.42	218.1	10.67	226.7	10.94	233.1	11.14
		50.7	165.3	6.27	178.9	7.43	194.9	8.65	212.0	9.75	218.1	9.97	226.7	10.24	233.1	10.44
		63.4	165.3	6.09	178.9	7.26	194.9	8.48	212.0	9.55	218.1	9.80	226.7	10.04	233.1	10.19
		76.1	165.3	6.00	178.9	7.17	194.9	8.39	212.0	9.45	218.1	9.71	226.7	9.95	233.1	10.07
	86	20.3	165.3	8.39	178.9	9.75	194.9	11.37	212.0	12.81	218.1	13.12	226.7	13.44	233.1	13.66
		25.4	165.3	8.23	178.9	9.60	194.9	11.19	212.0	12.61	218.1	12.90	226.7	13.23	233.1	13.45
		50.7	165.3	7.58	178.9	8.98	194.9	10.47	212.0	11.79	218.1	12.06	226.7	12.38	233.1	12.63
		63.4	165.3	7.36	178.9	8.78	194.9	10.24	212.0	11.54	218.1	11.84	226.7	12.16	233.1	12.33
		76.1	165.3	7.25	178.9	8.68	194.9	10.13	212.0	11.41	218.1	11.72	226.7	12.05	233.1	12.18
	95	20.3	151.2	8.60	163.7	10.01	178.4	11.65	193.9	13.11	199.7	13.44	207.5	13.76	213.3	14.02
		25.4	151.2	8.43	163.7	9.85	178.4	11.46	193.9	12.90	199.7	13.23	207.5	13.55	213.3	13.80
		50.7	151.2	7.76	163.7	9.20	178.4	10.72	193.9	12.08	199.7	12.38	207.5	12.71	213.3	12.93
		63.4	151.2	7.56	163.7	9.00	178.4	10.49	193.9	11.84	199.7	12.13	207.5	12.46	213.3	12.63
		76.1	151.2	7.46	163.7	8.90	178.4	10.38	193.9	11.71	199.7	12.01	207.5	12.33	213.3	12.48
	104	20.3	137.3	9.26	148.5	10.77	161.9	12.53	176.0	14.12	181.1	14.45	188.3	14.80	193.6	15.08
		25.4	137.3	9.08	148.5	10.59	161.9	12.33	176.0	13.90	181.1	14.22	188.3	14.57	193.6	14.84
		50.7	137.3	8.35	148.5	9.90	161.9	11.54	176.0	13.00	181.1	13.30	188.3	13.65	193.6	13.92
		63.4	137.3	8.13	148.5	9.70	161.9	11.31	176.0	12.73	181.1	13.05	188.3	13.40	193.6	13.60
		76.1	137.3	8.02	148.5	9.60	161.9	11.20	176.0	12.59	181.1	12.93	188.3	13.28	193.6	13.44
	113	20.3	123.5	9.92	133.3	11.53	145.3	13.42	158.1	15.14	162.4	15.47	169.1	15.84	173.9	16.13
		25.4	123.5	9.72	133.3	11.34	145.3	13.20	158.1	14.89	162.4	15.22	169.1	15.59	173.9	15.89
		50.7	123.5	8.95	133.3	10.59	145.3	12.36	158.1	13.92	162.4	14.22	169.1	14.59	173.9	14.92
		63.4	123.5	8.70	133.3	10.39	145.3	12.13	158.1	13.63	162.4	13.97	169.1	14.35	173.9	14.57
		76.1	123.5	8.58	133.3	10.29	145.3	12.02	158.1	13.48	162.4	13.85	169.1	14.22	173.9	14.40
110	23	13.4	159.3	3.33	172.4	3.85	187.6	4.45	204.1	5.04	210.3	5.12	218.8	5.29	224.4	5.35
	32	15.0	159.3	3.33	172.4	3.85	187.6	4.45	204.1	5.04	210.3	5.12	218.8	5.29	224.4	5.35
	41	17.3	159.3	3.33	172.4	3.85	187.6	4.45	204.1	5.04	210.3	5.12	218.8	5.29	224.4	5.35
	50	20.3	159.3	3.33	172.4	3.85	187.6	4.45	204.1	5.04	210.3	5.12	218.8	5.29	224.4	5.35
		25.4	159.3	3.26	172.4	3.79	187.6	4.38	204.1	4.96	210.3	5.05	218.8	5.20	224.4	5.27
		50.7	159.3	3.00	172.4	3.52	187.6	4.12	204.1	4.65	210.3	4.77	218.8	4.84	224.4	4.93
		63.4	159.3	2.90	172.4	3.45	187.6	4.02	204.1	4.55	210.3	4.65	218.8	4.74	224.4	4.87
		76.1	159.3	2.85	172.4	3.41	187.6	3.98	204.1	4.51	210.3	4.58	218.8	4.69	224.4	4.83
	59	20.3	158.4	4.44	171.5	5.16	186.7	5.99	202.9	6.75	209.1	6.89	217.3	7.07	223.2	7.20
		25.4	158.4	4.35	171.5	5.07	186.7	5.89	202.9	6.64	209.1	6.79	217.3	6.96	223.2	7.09
		50.7	158.4	4.00	171.5	4.72	186.7	5.52	202.9	6.22	209.1	6.37	217.3	6.51	223.2	6.64
		63.4	158.4	3.88	171.5	4.62	186.7	5.40	202.9	6.09	209.1	6.24	217.3	6.39	223.2	6.49
		76.1	158.4	3.82	171.5	4.58	186.7	5.33	202.9	6.03	209.1	6.18	217.3	6.33	223.2	6.42
	67	20.3	157.6	5.43	170.7	6.32	185.9	7.35	201.9	8.26	208.0	8.47	216.0	8.66	222.1	8.84
		25.4	157.6	5.32	170.7	6.22	185.9	7.24	201.9	8.13	208.0	8.33	216.0	8.53	222.1	8.70
		50.7	157.6	4.90	170.7	5.79	185.9	6.76	201.9	7.61	208.0	7.78	216.0	8.01	222.1	8.16
		63.4	157.6	4.75	170.7	5.67	185.9	6.61	201.9	7.46	208.0	7.66	216.0	7.86	222.1	7.93
		76.1	157.6	4.67	170.7	5.61	185.9	6.54	201.9	7.38	208.0	7.60	216.0	7.78	222.1	7.82
	75	20.3	157.6	6.65	170.7	7.73	185.9	9.00	201.9	10.13	208.0	10.36	216.0	10.61	222.1	10.81
		25.4	157.6	6.51	170.7	7.61	185.9	8.85	201.9	9.97	208.0	10.19	216.0	10.44	222.1	10.64
		50.7	157.6	5.99	170.7	7.11	185.9	8.28	201.9	9.32	208.0	9.55	216.0	9.80	222.1	9.97
		63.4	157.6	5.82	170.7	6.96	185.9	8.11	201.9	9.12	208.0	9.37	216.0	9.60	222.1	9.72
		76.1	157.6	5.73	170.7	6.89	185.9	8.02	201.9	9.03	208.0	9.29	216.0	9.50	222.1	9.60
	86	20.3	157.6	8.09	170.7	9.43	185.9	10.97	201.9	12.36	208.0	12.63	216.0	12.96	222.1	13.19
		25.4	157.6	7.93	170.7	9.27	185.9	10.79	201.9	12.16	208.0	12.43	216.0	12.76	222.1	12.98
		50.7	157.6	7.31	170.7	8.65	185.9	10.09	201.9	11.36	208.0	11.64	216.0	11.93	222.1	12.16
		63.4	157.6	7.11	170.7	8.48	185.9	9.87	201.9	11.14	208.0	11.41	216.0	11.71	222.1	11.86
		76.1	157.6	7.01	170.7	8.39	185.9	9.76	201.9	11.03	208.0	11.30	216.0	11.60	222.1	11.71
	95	20.3	146.7	8.42	158.9	9.78	173.1	11.40	188.3	12.84	193.9	13.14	201.3	13.47	206.9	13.72
		25.4	146.7	8.25	158.9	9.62	173.1	11.21	188.3	12.63	193.9	12.93	201.3	13.25	206.9	13.50
		50.7	146.7	7.58	158.9	9.00	173.1	10.49	188.3	11.81	193.9	12.11	201.3	12.41	206.9	12.63
		63.4	146.7	7.38	158.9	8.80	173.1	10.27	188.3	11.59	193.9	11.86	201.3	12.18	206.9	12.33
		76.1	146.7	7.29	158.9	8.70	173.1	10.16	188.3	11.48	193.9	11.74	201.3	12.07	206.9	12.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	20.3	136.0	9.26	147.2	10.74	160.5	12.54	174.4	14.10	179.5	14.43	186.7	14.78	191.7	15.05
		25.4	136.0	9.08	147.2	10.57	160.5	12.33	174.4	13.87	179.5	14.20	186.7	14.55	191.7	14.82
		50.7	136.0	8.33	147.2	9.90	160.5	11.51	174.4	12.98	179.5	13.28	186.7	13.63	191.7	13.90
		63.4	136.0	8.11	147.2	9.67	160.5	11.29	174.4	12.73	179.5	13.03	186.7	13.38	191.7	13.55
		76.1	136.0	7.99	147.2	9.56	160.5	11.18	174.4	12.61	179.5	12.90	186.7	13.25	191.7	13.38
	113	20.3	125.3	10.10	135.5	11.69	148.0	13.68	160.5	15.36	165.1	15.72	172.0	16.09	176.5	16.38
		25.4	125.3	9.90	135.5	11.51	148.0	13.45	160.5	15.12	165.1	15.47	172.0	15.84	176.5	16.14
		50.7	125.3	9.08	135.5	10.79	148.0	12.53	160.5	14.15	165.1	14.45	172.0	14.84	176.5	15.17
		63.4	125.3	8.83	135.5	10.54	148.0	12.31	160.5	13.87	165.1	14.20	172.0	14.57	176.5	14.77
		76.1	125.3	8.70	135.5	10.42	148.0	12.20	160.5	13.74	165.1	14.07	172.0	14.43	176.5	14.57
100	23	13.4	149.9	3.10	162.1	3.63	176.5	4.20	192.0	4.70	197.9	4.82	205.3	4.98	211.2	5.09
	32	15.0	149.9	3.10	162.1	3.63	176.5	4.20	192.0	4.70	197.9	4.82	205.3	4.98	211.2	5.09
	41	17.3	149.9	3.10	162.1	3.63	176.5	4.20	192.0	4.70	197.9	4.82	205.3	4.98	211.2	5.09
	50	20.3	149.9	3.10	162.1	3.63	176.5	4.20	192.0	4.70	197.9	4.82	205.3	4.98	211.2	5.09
		25.4	149.9	3.04	162.1	3.56	176.5	4.14	192.0	4.64	197.9	4.76	205.3	4.90	211.2	5.00
		50.7	149.9	2.80	162.1	3.30	176.5	3.88	192.0	4.38	197.9	4.50	205.3	4.59	211.2	4.64
		63.4	149.9	2.75	162.1	3.23	176.5	3.80	192.0	4.25	197.9	4.38	205.3	4.50	211.2	4.57
		76.1	149.9	2.73	162.1	3.19	176.5	3.77	192.0	4.19	197.9	4.31	205.3	4.45	211.2	4.54
	59	20.3	149.9	4.21	162.1	4.91	176.5	5.71	192.0	6.42	197.9	6.57	205.3	6.75	211.2	6.88
		25.4	149.9	4.13	162.1	4.82	176.5	5.62	192.0	6.32	197.9	6.46	205.3	6.64	211.2	6.76
		50.7	149.9	3.80	162.1	4.50	176.5	5.25	192.0	5.92	197.9	6.07	205.3	6.22	211.2	6.32
		63.4	149.9	3.70	162.1	4.40	176.5	5.15	192.0	5.79	197.9	5.94	205.3	6.09	211.2	6.17
		76.1	149.9	3.66	162.1	4.35	176.5	5.10	192.0	5.73	197.9	5.88	205.3	6.03	211.2	6.09
	67	20.3	149.9	5.20	162.1	6.04	176.5	7.06	192.0	7.94	197.9	8.11	205.3	8.31	211.2	8.46
		25.4	149.9	5.10	162.1	5.94	176.5	6.94	192.0	7.81	197.9	7.98	205.3	8.18	211.2	8.33
		50.7	149.9	4.70	162.1	5.57	176.5	6.46	192.0	7.29	197.9	7.46	205.3	7.66	211.2	7.81
		63.4	149.9	4.55	162.1	5.45	176.5	6.34	192.0	7.16	197.9	7.33	205.3	7.51	211.2	7.58
		76.1	149.9	4.48	162.1	5.38	176.5	6.28	192.0	7.10	197.9	7.27	205.3	7.43	211.2	7.47
	75	20.3	149.9	6.34	162.1	7.38	176.5	8.59	192.0	9.68	197.9	9.91	205.3	10.13	211.2	10.34
		25.4	149.9	6.22	162.1	7.26	176.5	8.45	192.0	9.52	197.9	9.75	205.3	9.97	211.2	10.17
		50.7	149.9	5.72	162.1	6.79	176.5	7.91	192.0	8.90	197.9	9.10	205.3	9.35	211.2	9.50
		63.4	149.9	5.57	162.1	6.64	176.5	7.73	192.0	8.73	197.9	8.93	205.3	9.17	211.2	9.25
		76.1	149.9	5.50	162.1	6.56	176.5	7.65	192.0	8.64	197.9	8.84	205.3	9.09	211.2	9.13
	86	20.3	149.9	7.82	162.1	9.08	176.5	10.56	192.0	11.91	197.9	12.19	205.3	12.48	211.2	12.71
		25.4	149.9	7.66	162.1	8.93	176.5	10.39	192.0	11.71	197.9	11.98	205.3	12.28	211.2	12.51
		50.7	149.9	7.04	162.1	8.33	176.5	9.72	192.0	10.94	197.9	11.19	205.3	11.49	211.2	11.69
		63.4	149.9	6.84	162.1	8.16	176.5	9.52	192.0	10.72	197.9	10.99	205.3	11.26	211.2	11.39
		76.1	149.9	6.74	162.1	8.07	176.5	9.42	192.0	10.60	197.9	10.89	205.3	11.15	211.2	11.24
	95	20.3	142.4	8.24	154.1	9.58	167.7	11.15	182.4	12.56	188.0	12.86	195.2	13.16	200.5	13.39
		25.4	142.4	8.08	154.1	9.42	167.7	10.96	182.4	12.36	188.0	12.66	195.2	12.95	200.5	13.18
		50.7	142.4	7.43	154.1	8.80	167.7	10.24	182.4	11.54	188.0	11.84	195.2	12.13	200.5	12.33
		63.4	142.4	7.21	154.1	8.63	167.7	10.04	182.4	11.31	188.0	11.61	195.2	11.91	200.5	12.01
		76.1	142.4	7.10	154.1	8.54	167.7	9.95	182.4	11.20	188.0	11.50	195.2	11.80	200.5	11.85
	104	20.3	134.7	9.23	145.9	10.74	158.9	12.51	172.8	14.08	177.9	14.44	184.8	14.78	190.1	15.03
		25.4	134.7	9.05	145.9	10.57	158.9	12.31	172.8	13.85	177.9	14.20	184.8	14.55	190.1	14.79
		50.7	134.7	8.33	145.9	9.87	158.9	11.51	172.8	12.95	177.9	13.25	184.8	13.60	190.1	13.85
		63.4	134.7	8.11	145.9	9.67	158.9	11.26	172.8	12.71	177.9	13.03	184.8	13.35	190.1	13.48
		76.1	134.7	7.99	145.9	9.57	158.9	11.14	172.8	12.58	177.9	12.92	184.8	13.23	190.1	13.29
	113	20.3	126.9	10.22	137.6	11.91	150.1	13.87	163.2	15.59	167.7	16.01	174.4	16.41	179.7	16.67
		25.4	126.9	10.02	137.6	11.71	150.1	13.65	163.2	15.34	167.7	15.74	174.4	16.14	179.7	16.41
		50.7	126.9	9.22	137.6	10.94	150.1	12.78	163.2	14.37	167.7	14.67	174.4	15.07	179.7	15.37
		63.4	126.9	9.00	137.6	10.72	150.1	12.48	163.2	14.10	167.7	14.45	174.4	14.79	179.7	14.94
		76.1	126.9	8.89	137.6	10.60	150.1	12.33	163.2	13.96	167.7	14.33	174.4	14.66	179.7	14.73
90	23	13.4	134.7	2.68	145.9	3.11	158.9	3.58	172.8	4.08	177.9	4.18	184.8	4.31	190.1	4.38
	32	15.0	134.7	2.68	145.9	3.11	158.9	3.58	172.8	4.08	177.9	4.18	184.8	4.31	190.1	4.38
	41	17.3	134.7	2.68	145.9	3.11	158.9	3.58	172.8	4.08	177.9	4.18	184.8	4.31	190.1	4.38
	50	20.3	134.7	2.68	145.9	3.11	158.9	3.58	172.8	4.08	177.9	4.18	184.8	4.31	190.1	4.38
		25.4	134.7	2.63	145.9	3.06	158.9	3.54	172.8	4.02	177.9	4.11	184.8	4.24	190.1	4.31
		50.7	134.7	2.44	145.9	2.87	158.9	3.35	172.8	3.78	177.9	3.85	184.8	3.95	190.1	4.02
		63.4	134.7	2.34	145.9	2.83	158.9	3.25	172.8	3.68	177.9	3.78	184.8	3.88	190.1	3.90
		76.1	134.7	2.29	145.9	2.80	158.9	3.20	172.8	3.63	177.9	3.74	184.8	3.84	190.1	3.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN192BAS4 , ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	20.3	134.7	3.62	145.9	4.22	158.9	4.90	172.8	5.53	177.9	5.66	184.8	5.81	190.1	5.91
		25.4	134.7	3.56	145.9	4.15	158.9	4.82	172.8	5.45	177.9	5.57	184.8	5.72	190.1	5.82
		50.7	134.7	3.28	145.9	3.88	158.9	4.53	172.8	5.10	177.9	5.22	184.8	5.35	190.1	5.45
		63.4	134.7	3.18	145.9	3.80	158.9	4.43	172.8	5.00	177.9	5.12	184.8	5.25	190.1	5.30
		76.1	134.7	3.13	145.9	3.77	158.9	4.38	172.8	4.95	177.9	5.07	184.8	5.20	190.1	5.22
	67	20.3	134.7	4.46	145.9	5.21	158.9	6.07	172.8	6.83	177.9	6.97	184.8	7.15	190.1	7.27
		25.4	134.7	4.38	145.9	5.12	158.9	5.97	172.8	6.71	177.9	6.86	184.8	7.04	190.1	7.16
		50.7	134.7	4.03	145.9	4.77	158.9	5.57	172.8	6.27	177.9	6.44	184.8	6.59	190.1	6.71
		63.4	134.7	3.93	145.9	4.67	158.9	5.47	172.8	6.17	177.9	6.32	184.8	6.46	190.1	6.54
		76.1	134.7	3.88	145.9	4.62	158.9	5.42	172.8	6.12	177.9	6.25	184.8	6.40	190.1	6.45
	75	20.3	134.7	5.45	145.9	6.34	158.9	7.38	172.8	8.31	177.9	8.52	184.8	8.72	190.1	8.90
		25.4	134.7	5.35	145.9	6.24	158.9	7.26	172.8	8.18	177.9	8.38	184.8	8.58	190.1	8.75
		50.7	134.7	4.92	145.9	5.84	158.9	6.79	172.8	7.66	177.9	7.83	184.8	8.03	190.1	8.18
		63.4	134.7	4.77	145.9	5.72	158.9	6.66	172.8	7.51	177.9	7.68	184.8	7.88	190.1	7.98
		76.1	134.7	4.70	145.9	5.66	158.9	6.60	172.8	7.43	177.9	7.61	184.8	7.81	190.1	7.88
	86	20.3	134.7	6.73	145.9	7.81	158.9	9.10	172.8	10.23	177.9	10.49	184.8	10.74	190.1	10.94
		25.4	134.7	6.59	145.9	7.68	158.9	8.95	172.8	10.07	177.9	10.32	184.8	10.57	190.1	10.77
		50.7	134.7	6.04	145.9	7.19	158.9	8.35	172.8	9.42	177.9	9.65	184.8	9.90	190.1	10.07
		63.4	134.7	5.89	145.9	7.04	158.9	8.18	172.8	9.22	177.9	9.47	184.8	9.70	190.1	9.80
		76.1	134.7	5.82	145.9	6.96	158.9	8.09	172.8	9.13	177.9	9.39	184.8	9.60	190.1	9.66
	95	20.3	130.9	7.26	141.9	8.41	154.7	9.80	168.0	11.04	173.1	11.30	179.7	11.57	184.8	11.80
		25.4	130.9	7.11	141.9	8.28	154.7	9.65	168.0	10.87	173.1	11.11	179.7	11.39	184.8	11.61
		50.7	130.9	6.54	141.9	7.76	154.7	9.03	168.0	10.17	173.1	10.39	179.7	10.67	184.8	10.87
		63.4	130.9	6.34	141.9	7.58	154.7	8.83	168.0	9.97	173.1	10.22	179.7	10.47	184.8	10.57
		76.1	130.9	6.24	141.9	7.50	154.7	8.73	168.0	9.87	173.1	10.13	179.7	10.37	184.8	10.42
	104	20.3	127.2	8.32	137.9	9.68	150.1	11.27	163.2	12.69	168.0	12.99	174.7	13.32	179.5	13.54
		25.4	127.2	8.16	137.9	9.52	150.1	11.09	163.2	12.48	168.0	12.78	174.7	13.10	179.5	13.33
		50.7	127.2	7.51	137.9	8.90	150.1	10.37	163.2	11.66	168.0	11.96	174.7	12.26	179.5	12.48
		63.4	127.2	7.29	137.9	8.70	150.1	10.14	163.2	11.44	168.0	11.74	174.7	12.03	179.5	12.16
		76.1	127.2	7.17	137.9	8.60	150.1	10.03	163.2	11.33	168.0	11.62	174.7	11.92	179.5	12.00
	113	20.3	123.5	9.38	133.9	10.95	145.6	12.74	158.4	14.34	162.9	14.68	169.6	15.06	174.1	15.28
		25.4	123.5	9.20	133.9	10.77	145.6	12.53	158.4	14.10	162.9	14.45	169.6	14.82	174.1	15.04
		50.7	123.5	8.48	133.9	10.04	145.6	11.71	158.4	13.15	162.9	13.53	169.6	13.85	174.1	14.10
		63.4	123.5	8.23	133.9	9.82	145.6	11.46	158.4	12.90	162.9	13.25	169.6	13.60	174.1	13.75
		76.1	123.5	8.11	133.9	9.71	145.6	11.34	158.4	12.78	162.9	13.12	169.6	13.48	174.1	13.58
80	23	13.4	119.7	2.25	129.9	2.59	141.3	3.04	153.6	3.46	158.1	3.50	164.3	3.64	169.1	3.65
	32	15.0	119.7	2.25	129.9	2.59	141.3	3.04	153.6	3.46	158.1	3.50	164.3	3.64	169.1	3.65
	41	17.3	119.7	2.25	129.9	2.59	141.3	3.04	153.6	3.46	158.1	3.50	164.3	3.64	169.1	3.65
	50	20.3	119.7	2.25	129.9	2.59	141.3	3.04	153.6	3.46	158.1	3.50	164.3	3.64	169.1	3.65
		25.4	119.7	2.20	129.9	2.56	141.3	2.99	153.6	3.40	158.1	3.44	164.3	3.57	169.1	3.59
		50.7	119.7	2.01	129.9	2.42	141.3	2.77	153.6	3.16	158.1	3.23	164.3	3.30	169.1	3.35
		63.4	119.7	1.96	129.9	2.34	141.3	2.73	153.6	3.06	158.1	3.13	164.3	3.25	169.1	3.30
		76.1	119.7	1.94	129.9	2.31	141.3	2.70	153.6	3.01	158.1	3.08	164.3	3.23	169.1	3.28
	59	20.3	119.7	3.05	129.9	3.54	141.3	4.12	153.6	4.65	158.1	4.75	164.3	4.88	169.1	4.95
		25.4	119.7	2.98	129.9	3.48	141.3	4.05	153.6	4.57	158.1	4.67	164.3	4.80	169.1	4.87
		50.7	119.7	2.74	129.9	3.26	141.3	3.78	153.6	4.28	158.1	4.38	164.3	4.48	169.1	4.55
		63.4	119.7	2.66	129.9	3.18	141.3	3.70	153.6	4.18	158.1	4.28	164.3	4.40	169.1	4.45
		76.1	119.7	2.62	129.9	3.15	141.3	3.67	153.6	4.13	158.1	4.23	164.3	4.36	169.1	4.40
	67	20.3	119.7	3.76	129.9	4.38	141.3	5.08	153.6	5.71	158.1	5.86	164.3	5.99	169.1	6.12
		25.4	119.7	3.68	129.9	4.30	141.3	5.00	153.6	5.62	158.1	5.77	164.3	5.89	169.1	6.02
		50.7	119.7	3.38	129.9	4.00	141.3	4.67	153.6	5.27	158.1	5.40	164.3	5.52	169.1	5.62
		63.4	119.7	3.28	129.9	3.93	141.3	4.57	153.6	5.17	158.1	5.30	164.3	5.42	169.1	5.47
		76.1	119.7	3.23	129.9	3.89	141.3	4.53	153.6	5.12	158.1	5.25	164.3	5.37	169.1	5.40
	75	20.3	119.7	4.56	129.9	5.30	141.3	6.19	153.6	6.98	158.1	7.16	164.3	7.33	169.1	7.45
		25.4	119.7	4.48	129.9	5.22	141.3	6.09	153.6	6.86	158.1	7.04	164.3	7.21	169.1	7.33
		50.7	119.7	4.13	129.9	4.90	141.3	5.69	153.6	6.41	158.1	6.56	164.3	6.74	169.1	6.86
		63.4	119.7	4.00	129.9	4.80	141.3	5.59	153.6	6.29	158.1	6.44	164.3	6.61	169.1	6.69
		76.1	119.7	3.94	129.9	4.75	141.3	5.54	153.6	6.23	158.1	6.38	164.3	6.55	169.1	6.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	20.3	119.7	5.63	129.9	6.55	141.3	7.63	153.6	8.60	158.1	8.80	164.3	9.00	169.1	9.18
		25.4	119.7	5.52	129.9	6.44	141.3	7.51	153.6	8.45	158.1	8.65	164.3	8.85	169.1	9.03
		50.7	119.7	5.07	129.9	6.02	141.3	7.01	153.6	7.88	158.1	8.08	164.3	8.28	169.1	8.43
		63.4	119.7	4.92	129.9	5.89	141.3	6.86	153.6	7.73	158.1	7.93	164.3	8.13	169.1	8.21
		76.1	119.7	4.85	129.9	5.83	141.3	6.79	153.6	7.66	158.1	7.86	164.3	8.06	169.1	8.09
	95	20.3	119.7	6.27	129.9	7.28	141.3	8.47	153.6	9.52	158.1	9.75	164.3	10.01	169.1	10.18
		25.4	119.7	6.14	129.9	7.16	141.3	8.33	153.6	9.37	158.1	9.60	164.3	9.85	169.1	10.02
		50.7	119.7	5.64	129.9	6.69	141.3	7.78	153.6	8.78	158.1	8.98	164.3	9.20	169.1	9.37
		63.4	119.7	5.49	129.9	6.54	141.3	7.63	153.6	8.60	158.1	8.80	164.3	9.05	169.1	9.12
		76.1	119.7	5.42	129.9	6.46	141.3	7.56	153.6	8.52	158.1	8.72	164.3	8.98	169.1	9.00
	104	20.3	119.7	7.40	129.9	8.62	141.3	10.03	153.6	11.30	158.1	11.54	164.3	11.85	169.1	12.05
		25.4	119.7	7.26	129.9	8.48	141.3	9.87	153.6	11.11	158.1	11.36	164.3	11.66	169.1	11.86
		50.7	119.7	6.69	129.9	7.91	141.3	9.22	153.6	10.39	158.1	10.64	164.3	10.92	169.1	11.11
		63.4	119.7	6.49	129.9	7.76	141.3	9.03	153.6	10.19	158.1	10.44	164.3	10.69	169.1	10.82
		76.1	119.7	6.39	129.9	7.68	141.3	8.93	153.6	10.10	158.1	10.34	164.3	10.58	169.1	10.67
	113	20.3	119.7	8.54	129.9	9.97	141.3	11.60	153.6	13.07	158.1	13.34	164.3	13.69	169.1	13.91
		25.4	119.7	8.38	129.9	9.80	141.3	11.41	153.6	12.85	158.1	13.13	164.3	13.48	169.1	13.70
		50.7	119.7	7.73	129.9	9.12	141.3	10.67	153.6	12.01	158.1	12.31	164.3	12.63	169.1	12.85
		63.4	119.7	7.48	129.9	8.98	141.3	10.42	153.6	11.79	158.1	12.08	164.3	12.33	169.1	12.51
		76.1	119.7	7.36	129.9	8.90	141.3	10.29	153.6	11.67	158.1	11.97	164.3	12.18	169.1	12.33
70	23	13.4	104.8	1.88	113.6	2.16	123.7	2.56	134.4	2.87	138.4	2.89	143.7	2.99	147.7	3.03
	32	15.0	104.8	1.88	113.6	2.16	123.7	2.56	134.4	2.87	138.4	2.89	143.7	2.99	147.7	3.03
	41	17.3	104.8	1.88	113.6	2.16	123.7	2.56	134.4	2.87	138.4	2.89	143.7	2.99	147.7	3.03
	50	20.3	104.8	1.88	113.6	2.16	123.7	2.56	134.4	2.87	138.4	2.89	143.7	2.99	147.7	3.03
		25.4	104.8	1.84	113.6	2.13	123.7	2.51	134.4	2.83	138.4	2.84	143.7	2.94	147.7	2.99
		50.7	104.8	1.70	113.6	2.01	123.7	2.35	134.4	2.63	138.4	2.68	143.7	2.75	147.7	2.83
		63.4	104.8	1.63	113.6	1.94	123.7	2.27	134.4	2.56	138.4	2.60	143.7	2.70	147.7	2.75
		76.1	104.8	1.59	113.6	1.90	123.7	2.23	134.4	2.52	138.4	2.57	143.7	2.68	147.7	2.72
	59	20.3	104.8	2.54	113.6	2.93	123.7	3.44	134.4	3.87	138.4	3.94	143.7	4.04	147.7	4.12
		25.4	104.8	2.49	113.6	2.88	123.7	3.38	134.4	3.80	138.4	3.88	143.7	3.98	147.7	4.05
		50.7	104.8	2.29	113.6	2.71	123.7	3.16	134.4	3.56	138.4	3.63	143.7	3.73	147.7	3.80
		63.4	104.8	2.21	113.6	2.64	123.7	3.08	134.4	3.48	138.4	3.56	143.7	3.65	147.7	3.70
		76.1	104.8	2.18	113.6	2.60	123.7	3.05	134.4	3.44	138.4	3.52	143.7	3.62	147.7	3.66
	67	20.3	104.8	3.12	113.6	3.61	123.7	4.22	134.4	4.75	138.4	4.88	143.7	4.97	147.7	5.08
		25.4	104.8	3.06	113.6	3.56	123.7	4.15	134.4	4.67	138.4	4.80	143.7	4.90	147.7	5.00
		50.7	104.8	2.81	113.6	3.33	123.7	3.88	134.4	4.38	138.4	4.48	143.7	4.60	147.7	4.67
		63.4	104.8	2.74	113.6	3.26	123.7	3.80	134.4	4.30	138.4	4.40	143.7	4.50	147.7	4.55
		76.1	104.8	2.70	113.6	3.22	123.7	3.77	134.4	4.26	138.4	4.36	143.7	4.45	147.7	4.49
	75	20.3	104.8	3.80	113.6	4.42	123.7	5.15	134.4	5.81	138.4	5.94	143.7	6.09	147.7	6.19
		25.4	104.8	3.73	113.6	4.35	123.7	5.07	134.4	5.72	138.4	5.84	143.7	5.99	147.7	6.09
		50.7	104.8	3.43	113.6	4.08	123.7	4.75	134.4	5.35	138.4	5.47	143.7	5.59	147.7	5.69
		63.4	104.8	3.33	113.6	3.98	123.7	4.65	134.4	5.22	138.4	5.37	143.7	5.49	147.7	5.54
		76.1	104.8	3.28	113.6	3.93	123.7	4.60	134.4	5.16	138.4	5.32	143.7	5.45	147.7	5.47
	86	20.3	104.8	4.69	113.6	5.43	123.7	6.35	134.4	7.12	138.4	7.30	143.7	7.48	147.7	7.60
		25.4	104.8	4.60	113.6	5.35	123.7	6.24	134.4	7.01	138.4	7.19	143.7	7.36	147.7	7.48
		50.7	104.8	4.23	113.6	5.00	123.7	5.82	134.4	6.56	138.4	6.71	143.7	6.89	147.7	7.01
		63.4	104.8	4.10	113.6	4.90	123.7	5.72	134.4	6.44	138.4	6.59	143.7	6.76	147.7	6.84
		76.1	104.8	4.04	113.6	4.85	123.7	5.67	134.4	6.38	138.4	6.53	143.7	6.70	147.7	6.75
	95	20.3	104.8	5.20	113.6	6.04	123.7	7.06	134.4	7.94	138.4	8.11	143.7	8.31	147.7	8.46
		25.4	104.8	5.10	113.6	5.94	123.7	6.94	134.4	7.81	138.4	7.98	143.7	8.18	147.7	8.33
		50.7	104.8	4.70	113.6	5.57	123.7	6.46	134.4	7.29	138.4	7.46	143.7	7.66	147.7	7.81
		63.4	104.8	4.55	113.6	5.45	123.7	6.34	134.4	7.16	138.4	7.33	143.7	7.51	147.7	7.58
		76.1	104.8	4.48	113.6	5.38	123.7	6.28	134.4	7.10	138.4	7.27	143.7	7.43	147.7	7.47
	104	20.3	104.8	6.17	113.6	7.15	123.7	8.34	134.4	9.38	138.4	9.60	143.7	9.85	147.7	10.03
		25.4	104.8	6.04	113.6	7.04	123.7	8.21	134.4	9.22	138.4	9.45	143.7	9.70	147.7	9.87
		50.7	104.8	5.54	113.6	6.59	123.7	7.66	134.4	8.63	138.4	8.85	143.7	9.08	147.7	9.22
		63.4	104.8	5.40	113.6	6.44	123.7	7.51	134.4	8.48	138.4	8.68	143.7	8.90	147.7	9.00
		76.1	104.8	5.32	113.6	6.37	123.7	7.43	134.4	8.40	138.4	8.59	143.7	8.81	147.7	8.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN192BAS4 , ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	20.3	104.8	7.14	113.6	8.26	123.7	9.63	134.4	10.81	138.4	11.08	143.7	11.40	147.7	11.61
		25.4	104.8	6.99	113.6	8.13	123.7	9.47	134.4	10.64	138.4	10.92	143.7	11.21	147.7	11.41
		50.7	104.8	6.39	113.6	7.61	123.7	8.85	134.4	9.97	138.4	10.24	143.7	10.49	147.7	10.64
		63.4	104.8	6.24	113.6	7.43	123.7	8.68	134.4	9.80	138.4	10.02	143.7	10.29	147.7	10.42
		76.1	104.8	6.17	113.6	7.35	123.7	8.59	134.4	9.71	138.4	9.91	143.7	10.19	147.7	10.31
60	23	13.4	89.9	1.52	97.3	1.76	105.9	2.02	115.2	2.29	118.7	2.35	123.2	2.42	126.7	2.43
	32	15.0	89.9	1.52	97.3	1.76	105.9	2.02	115.2	2.29	118.7	2.35	123.2	2.42	126.7	2.43
	41	17.3	89.9	1.52	97.3	1.76	105.9	2.02	115.2	2.29	118.7	2.35	123.2	2.42	126.7	2.43
	50	20.3	89.9	1.52	97.3	1.76	105.9	2.02	115.2	2.29	118.7	2.35	123.2	2.42	126.7	2.43
		25.4	89.9	1.49	97.3	1.72	105.9	1.99	115.2	2.25	118.7	2.30	123.2	2.37	126.7	2.39
		50.7	89.9	1.34	97.3	1.60	105.9	1.84	115.2	2.11	118.7	2.10	123.2	2.18	126.7	2.25
		63.4	89.9	1.29	97.3	1.55	105.9	1.82	115.2	2.06	118.7	2.08	123.2	2.13	126.7	2.15
		76.1	89.9	1.27	97.3	1.53	105.9	1.81	115.2	2.03	118.7	2.07	123.2	2.10	126.7	2.10
	59	20.3	89.9	2.03	97.3	2.35	105.9	2.73	115.2	3.08	118.7	3.16	123.2	3.24	126.7	3.28
		25.4	89.9	1.99	97.3	2.31	105.9	2.69	115.2	3.03	118.7	3.11	123.2	3.18	126.7	3.23
		50.7	89.9	1.82	97.3	2.16	105.9	2.51	115.2	2.83	118.7	2.88	123.2	2.96	126.7	3.03
		63.4	89.9	1.77	97.3	2.11	105.9	2.46	115.2	2.78	118.7	2.83	123.2	2.91	126.7	2.93
		76.1	89.9	1.74	97.3	2.09	105.9	2.44	115.2	2.76	118.7	2.81	123.2	2.88	126.7	2.88
	67	20.3	89.9	2.49	97.3	2.88	105.9	3.36	115.2	3.79	118.7	3.89	123.2	3.97	126.7	4.04
		25.4	89.9	2.44	97.3	2.83	105.9	3.31	115.2	3.73	118.7	3.83	123.2	3.90	126.7	3.98
		50.7	89.9	2.24	97.3	2.66	105.9	3.11	115.2	3.48	118.7	3.58	123.2	3.65	126.7	3.73
		63.4	89.9	2.19	97.3	2.61	105.9	3.03	115.2	3.43	118.7	3.51	123.2	3.61	126.7	3.63
		76.1	89.9	2.16	97.3	2.59	105.9	3.00	115.2	3.41	118.7	3.47	123.2	3.58	126.7	3.58
	75	20.3	89.9	3.05	97.3	3.51	105.9	4.09	115.2	4.63	118.7	4.72	123.2	4.85	126.7	4.92
		25.4	89.9	2.98	97.3	3.46	105.9	4.03	115.2	4.55	118.7	4.65	123.2	4.77	126.7	4.85
		50.7	89.9	2.74	97.3	3.23	105.9	3.78	115.2	4.25	118.7	4.35	123.2	4.48	126.7	4.55
		63.4	89.9	2.66	97.3	3.18	105.9	3.70	115.2	4.18	118.7	4.28	123.2	4.38	126.7	4.43
		76.1	89.9	2.62	97.3	3.16	105.9	3.67	115.2	4.14	118.7	4.24	123.2	4.33	126.7	4.36
	86	20.3	89.9	3.73	97.3	4.35	105.9	5.05	115.2	5.69	118.7	5.81	123.2	5.96	126.7	6.06
		25.4	89.9	3.65	97.3	4.28	105.9	4.97	115.2	5.59	118.7	5.72	123.2	5.87	126.7	5.97
		50.7	89.9	3.36	97.3	3.98	105.9	4.65	115.2	5.22	118.7	5.35	123.2	5.49	126.7	5.59
		63.4	89.9	3.28	97.3	3.90	105.9	4.55	115.2	5.12	118.7	5.25	123.2	5.40	126.7	5.45
		76.1	89.9	3.24	97.3	3.87	105.9	4.50	115.2	5.07	118.7	5.20	123.2	5.35	126.7	5.37
	95	20.3	89.9	4.13	97.3	4.83	105.9	5.61	115.2	6.32	118.7	6.47	123.2	6.61	126.7	6.75
		25.4	89.9	4.05	97.3	4.75	105.9	5.52	115.2	6.22	118.7	6.37	123.2	6.51	126.7	6.64
		50.7	89.9	3.73	97.3	4.43	105.9	5.17	115.2	5.82	118.7	5.94	123.2	6.12	126.7	6.22
		63.4	89.9	3.63	97.3	4.33	105.9	5.05	115.2	5.69	118.7	5.84	123.2	5.99	126.7	6.04
		76.1	89.9	3.58	97.3	4.28	105.9	4.99	115.2	5.63	118.7	5.79	123.2	5.93	126.7	5.96
	104	20.3	89.9	4.92	97.3	5.71	105.9	6.65	115.2	7.48	118.7	7.66	123.2	7.86	126.7	7.98
		25.4	89.9	4.82	97.3	5.62	105.9	6.54	115.2	7.36	118.7	7.53	123.2	7.73	126.7	7.86
		50.7	89.9	4.43	97.3	5.25	105.9	6.12	115.2	6.89	118.7	7.04	123.2	7.24	126.7	7.36
		63.4	89.9	4.30	97.3	5.15	105.9	5.99	115.2	6.74	118.7	6.91	123.2	7.09	126.7	7.16
		76.1	89.9	4.24	97.3	5.10	105.9	5.93	115.2	6.66	118.7	6.85	123.2	7.01	126.7	7.06
	113	20.3	89.9	5.71	97.3	6.60	105.9	7.68	115.2	8.64	118.7	8.85	123.2	9.10	126.7	9.22
		25.4	89.9	5.59	97.3	6.49	105.9	7.56	115.2	8.50	118.7	8.70	123.2	8.95	126.7	9.08
		50.7	89.9	5.12	97.3	6.07	105.9	7.06	115.2	7.96	118.7	8.13	123.2	8.35	126.7	8.50
		63.4	89.9	4.97	97.3	5.97	105.9	6.94	115.2	7.78	118.7	7.98	123.2	8.18	126.7	8.28
		76.1	89.9	4.90	97.3	5.92	105.9	6.88	115.2	7.70	118.7	7.91	123.2	8.09	126.7	8.17
50	23	13.4	74.9	1.09	81.1	1.29	88.3	1.55	96.0	1.71	98.9	1.72	102.7	1.78	105.6	1.83
	32	15.0	74.9	1.09	81.1	1.29	88.3	1.55	96.0	1.71	98.9	1.72	102.7	1.78	105.6	1.83
	41	17.3	74.9	1.09	81.1	1.29	88.3	1.55	96.0	1.71	98.9	1.72	102.7	1.78	105.6	1.83
	50	20.3	74.9	1.09	81.1	1.29	88.3	1.55	96.0	1.71	98.9	1.72	102.7	1.78	105.6	1.83
		25.4	74.9	1.08	81.1	1.27	88.3	1.51	96.0	1.68	98.9	1.70	102.7	1.75	105.6	1.80
		50.7	74.9	1.03	81.1	1.20	88.3	1.36	96.0	1.55	98.9	1.60	102.7	1.63	105.6	1.68
		63.4	74.9	0.98	81.1	1.15	88.3	1.36	96.0	1.50	98.9	1.55	102.7	1.58	105.6	1.60
		76.1	74.9	0.96	81.1	1.12	88.3	1.37	96.0	1.48	98.9	1.53	102.7	1.55	105.6	1.56
	59	20.3	74.9	1.49	81.1	1.74	88.3	2.05	96.0	2.30	98.9	2.35	102.7	2.40	105.6	2.45
		25.4	74.9	1.47	81.1	1.72	88.3	2.01	96.0	2.26	98.9	2.31	102.7	2.36	105.6	2.41
		50.7	74.9	1.37	81.1	1.62	88.3	1.86	96.0	2.11	98.9	2.16	102.7	2.21	105.6	2.26
		63.4	74.9	1.32	81.1	1.57	88.3	1.84	96.0	2.06	98.9	2.11	102.7	2.16	105.6	2.19
		76.1	74.9	1.29	81.1	1.54	88.3	1.83	96.0	2.04	98.9	2.09	102.7	2.14	105.6	2.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	20.3	74.9	1.85	81.1	2.14	88.3	2.50	96.0	2.83	98.9	2.91	102.7	2.95	105.6	3.00
		25.4	74.9	1.82	81.1	2.11	88.3	2.46	96.0	2.78	98.9	2.86	102.7	2.91	105.6	2.96
		50.7	74.9	1.67	81.1	1.99	88.3	2.31	96.0	2.61	98.9	2.66	102.7	2.74	105.6	2.78
		63.4	74.9	1.62	81.1	1.94	88.3	2.26	96.0	2.56	98.9	2.61	102.7	2.69	105.6	2.71
		76.1	74.9	1.59	81.1	1.91	88.3	2.24	96.0	2.54	98.9	2.59	102.7	2.66	105.6	2.67
	75	20.3	74.9	2.26	81.1	2.63	88.3	3.06	96.0	3.43	98.9	3.54	102.7	3.61	105.6	3.69
		25.4	74.9	2.21	81.1	2.59	88.3	3.01	96.0	3.38	98.9	3.48	102.7	3.56	105.6	3.63
		50.7	74.9	2.04	81.1	2.41	88.3	2.81	96.0	3.18	98.9	3.26	102.7	3.33	105.6	3.38
		63.4	74.9	1.99	81.1	2.36	88.3	2.76	96.0	3.11	98.9	3.18	102.7	3.26	105.6	3.31
		76.1	74.9	1.96	81.1	2.34	88.3	2.74	96.0	3.07	98.9	3.15	102.7	3.22	105.6	3.27
	86	20.3	74.9	2.79	81.1	3.23	88.3	3.77	96.0	4.25	98.9	4.35	102.7	4.45	105.6	4.52
		25.4	74.9	2.74	81.1	3.18	88.3	3.70	96.0	4.18	98.9	4.28	102.7	4.38	105.6	4.45
		50.7	74.9	2.51	81.1	2.98	88.3	3.46	96.0	3.90	98.9	4.00	102.7	4.10	105.6	4.18
		63.4	74.9	2.44	81.1	2.91	88.3	3.38	96.0	3.83	98.9	3.93	102.7	4.03	105.6	4.05
		76.1	74.9	2.40	81.1	2.87	88.3	3.34	96.0	3.79	98.9	3.89	102.7	3.99	105.6	3.99
	95	20.3	74.9	3.10	81.1	3.59	88.3	4.20	96.0	4.70	98.9	4.83	102.7	4.95	105.6	5.03
		25.4	74.9	3.03	81.1	3.53	88.3	4.13	96.0	4.62	98.9	4.75	102.7	4.87	105.6	4.95
		50.7	74.9	2.78	81.1	3.31	88.3	3.85	96.0	4.33	98.9	4.43	102.7	4.55	105.6	4.62
		63.4	74.9	2.71	81.1	3.23	88.3	3.78	96.0	4.25	98.9	4.35	102.7	4.48	105.6	4.50
		76.1	74.9	2.67	81.1	3.20	88.3	3.74	96.0	4.21	98.9	4.31	102.7	4.44	105.6	4.44
	104	20.3	74.9	3.65	81.1	4.25	88.3	4.95	96.0	5.59	98.9	5.71	102.7	5.86	105.6	5.96
		25.4	74.9	3.58	81.1	4.18	88.3	4.87	96.0	5.49	98.9	5.62	102.7	5.77	105.6	5.87
		50.7	74.9	3.31	81.1	3.90	88.3	4.55	96.0	5.12	98.9	5.25	102.7	5.40	105.6	5.49
		63.4	74.9	3.21	81.1	3.83	88.3	4.48	96.0	5.02	98.9	5.15	102.7	5.30	105.6	5.35
		76.1	74.9	3.16	81.1	3.79	88.3	4.44	96.0	4.97	98.9	5.10	102.7	5.25	105.6	5.27
	113	20.3	74.9	4.20	81.1	4.91	88.3	5.71	96.0	6.48	98.9	6.60	102.7	6.77	105.6	6.89
		25.4	74.9	4.13	81.1	4.82	88.3	5.62	96.0	6.37	98.9	6.49	102.7	6.66	105.6	6.79
		50.7	74.9	3.83	81.1	4.50	88.3	5.25	96.0	5.92	98.9	6.07	102.7	6.24	105.6	6.37
		63.4	74.9	3.70	81.1	4.43	88.3	5.17	96.0	5.79	98.9	5.94	102.7	6.12	105.6	6.19
		76.1	74.9	3.64	81.1	4.39	88.3	5.13	96.0	5.73	98.9	5.88	102.7	6.05	105.6	6.10

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	14.7	200.4	4.26	217.3	4.99	237.2	5.81	257.3	6.55	264.8	6.73	275.3	6.86	282.8	6.92
	32	16.5	200.4	4.26	217.3	4.99	237.2	5.81	257.3	6.55	264.8	6.73	275.3	6.86	282.8	6.92
	41	19.0	200.4	4.26	217.3	4.99	237.2	5.81	257.3	6.55	264.8	6.73	275.3	6.86	282.8	6.92
	50	22.3	200.4	4.26	217.3	4.99	237.2	5.81	257.3	6.55	264.8	6.73	275.3	6.86	282.8	6.92
		27.9	200.4	4.18	217.3	4.91	237.2	5.72	257.3	6.44	264.8	6.61	275.3	6.75	282.8	6.83
		55.8	200.4	3.88	217.3	4.60	237.2	5.36	257.3	6.03	264.8	6.13	275.3	6.33	282.8	6.47
		69.8	200.4	3.77	217.3	4.49	237.2	5.25	257.3	5.88	264.8	6.05	275.3	6.19	282.8	6.30
		83.7	200.4	3.71	217.3	4.44	237.2	5.19	257.3	5.81	264.8	6.01	275.3	6.12	282.8	6.22
	59	22.3	197.4	5.62	213.9	6.54	233.1	7.63	253.2	8.60	260.7	8.80	270.9	9.00	278.4	9.14
		27.9	197.4	5.51	213.9	6.44	233.1	7.50	253.2	8.46	260.7	8.66	270.9	8.86	278.4	9.01
		55.8	197.4	5.08	213.9	6.03	233.1	7.01	253.2	7.91	260.7	8.08	270.9	8.31	278.4	8.49
		69.8	197.4	4.94	213.9	5.89	233.1	6.87	253.2	7.74	260.7	7.94	270.9	8.14	278.4	8.28
		83.7	197.4	4.86	213.9	5.82	233.1	6.80	253.2	7.65	260.7	7.87	270.9	8.05	278.4	8.18
	67	22.3	194.7	6.83	210.9	7.92	229.5	9.25	249.6	10.41	257.1	10.65	267.0	10.90	274.5	11.11
		27.9	194.7	6.70	210.9	7.79	229.5	9.09	249.6	10.25	257.1	10.48	267.0	10.74	274.5	10.94
		55.8	194.7	6.15	210.9	7.30	229.5	8.49	249.6	9.58	257.1	9.81	267.0	10.07	274.5	10.28
		69.8	194.7	5.97	210.9	7.13	229.5	8.31	249.6	9.38	257.1	9.61	267.0	9.87	274.5	10.04
		83.7	194.7	5.89	210.9	7.04	229.5	8.23	249.6	9.28	257.1	9.51	267.0	9.77	274.5	9.93
	75	22.3	194.7	8.42	210.9	9.76	229.5	11.38	249.6	12.82	257.1	13.14	267.0	13.46	274.5	13.68
		27.9	194.7	8.26	210.9	9.61	229.5	11.20	249.6	12.61	257.1	12.93	267.0	13.25	274.5	13.48
		55.8	194.7	7.59	210.9	9.01	229.5	10.48	249.6	11.81	257.1	12.09	267.0	12.41	274.5	12.67
		69.8	194.7	7.39	210.9	8.80	229.5	10.28	249.6	11.57	257.1	11.86	267.0	12.18	274.5	12.38
		83.7	194.7	7.29	210.9	8.70	229.5	10.17	249.6	11.46	257.1	11.75	267.0	12.07	274.5	12.24
	86	22.3	194.7	10.10	210.9	11.74	229.5	13.67	249.6	15.40	257.1	15.75	267.0	16.16	274.5	16.40
		27.9	194.7	9.90	210.9	11.55	229.5	13.45	249.6	15.15	257.1	15.50	267.0	15.90	274.5	16.16
		55.8	194.7	9.09	210.9	10.80	229.5	12.58	249.6	14.17	257.1	14.52	267.0	14.89	274.5	15.21
		69.8	194.7	8.86	210.9	10.56	229.5	12.32	249.6	13.88	257.1	14.26	267.0	14.61	274.5	14.86
		83.7	194.7	8.75	210.9	10.45	229.5	12.20	249.6	13.74	257.1	14.13	267.0	14.46	274.5	14.69
	95	22.3	175.2	10.22	189.6	11.89	206.7	13.81	224.7	15.58	231.3	15.92	240.3	16.33	246.9	16.62
		27.9	175.2	10.02	189.6	11.69	206.7	13.59	224.7	15.33	231.3	15.67	240.3	16.08	246.9	16.37
		55.8	175.2	9.21	189.6	10.91	206.7	12.73	224.7	14.32	231.3	14.69	240.3	15.07	246.9	15.36
		69.8	175.2	8.95	189.6	10.68	206.7	12.47	224.7	14.03	231.3	14.40	240.3	14.78	246.9	15.04
		83.7	175.2	8.82	189.6	10.56	206.7	12.34	224.7	13.88	231.3	14.26	240.3	14.63	246.9	14.88
	104	22.3	155.7	10.78	168.6	12.53	183.6	14.58	199.5	16.43	205.5	16.81	213.6	17.21	219.6	17.52
		27.9	155.7	10.56	168.6	12.32	183.6	14.35	199.5	16.16	205.5	16.54	213.6	16.94	219.6	17.26
		55.8	155.7	9.70	168.6	11.52	183.6	13.42	199.5	15.10	205.5	15.47	213.6	15.90	219.6	16.22
		69.8	155.7	9.44	168.6	11.26	183.6	13.13	199.5	14.81	205.5	15.18	213.6	15.59	219.6	15.85
		83.7	155.7	9.31	168.6	11.13	183.6	12.99	199.5	14.66	205.5	15.04	213.6	15.43	219.6	15.66
	113	22.3	136.2	11.35	147.6	13.17	160.5	15.34	174.3	17.29	179.7	17.70	186.9	18.08	192.3	18.42
		27.9	136.2	11.11	147.6	12.96	160.5	15.10	174.3	17.00	179.7	17.40	186.9	17.81	192.3	18.16
		55.8	136.2	10.19	147.6	12.12	160.5	14.11	174.3	15.88	179.7	16.25	186.9	16.74	192.3	17.09
		69.8	136.2	9.93	147.6	11.83	160.5	13.80	174.3	15.59	179.7	15.96	186.9	16.39	192.3	16.65
		83.7	136.2	9.80	147.6	11.69	160.5	13.64	174.3	15.44	179.7	15.82	186.9	16.22	192.3	16.44
120	23	14.7	189.8	4.07	205.8	4.70	223.8	5.53	243.6	6.20	251.1	6.38	260.7	6.51	267.9	6.63
	32	16.5	189.8	4.07	205.8	4.70	223.8	5.53	243.6	6.20	251.1	6.38	260.7	6.51	267.9	6.63
	41	19.0	189.8	4.07	205.8	4.70	223.8	5.53	243.6	6.20	251.1	6.38	260.7	6.51	267.9	6.63
	50	22.3	189.8	4.07	205.8	4.70	223.8	5.53	243.6	6.20	251.1	6.38	260.7	6.51	267.9	6.63
		27.9	189.8	3.98	205.8	4.62	223.8	5.43	243.6	6.10	251.1	6.27	260.7	6.41	267.9	6.52
		55.8	189.8	3.65	205.8	4.32	223.8	5.04	243.6	5.71	251.1	5.82	260.7	5.99	267.9	6.07
		69.8	189.8	3.60	205.8	4.23	223.8	4.99	243.6	5.60	251.1	5.71	260.7	5.88	267.9	5.96
		83.7	189.8	3.57	205.8	4.19	223.8	4.96	243.6	5.54	251.1	5.65	260.7	5.82	267.9	5.91
	59	22.3	187.8	5.39	203.4	6.25	221.4	7.31	240.9	8.21	248.1	8.42	257.7	8.62	264.9	8.77
		27.9	187.8	5.28	203.4	6.15	221.4	7.19	240.9	8.08	248.1	8.28	257.7	8.49	264.9	8.63
		55.8	187.8	4.85	203.4	5.74	221.4	6.70	240.9	7.56	248.1	7.74	257.7	7.94	264.9	8.08
		69.8	187.8	4.73	203.4	5.63	221.4	6.58	240.9	7.42	248.1	7.59	257.7	7.79	264.9	7.91
		83.7	187.8	4.68	203.4	5.57	221.4	6.52	240.9	7.35	248.1	7.52	257.7	7.72	264.9	7.82
	67	22.3	186.0	6.57	201.3	7.63	219.3	8.89	238.5	10.00	245.4	10.23	255.0	10.50	262.2	10.67
		27.9	186.0	6.44	201.3	7.50	219.3	8.75	238.5	9.84	245.4	10.07	255.0	10.33	262.2	10.51
		55.8	186.0	5.92	201.3	7.01	219.3	8.17	238.5	9.21	245.4	9.44	255.0	9.67	262.2	9.87
		69.8	186.0	5.74	201.3	6.87	219.3	8.00	238.5	9.03	245.4	9.27	255.0	9.50	262.2	9.64
		83.7	186.0	5.66	201.3	6.80	219.3	7.91	238.5	8.95	245.4	9.18	255.0	9.41	262.2	9.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	22.3	186.0	8.07	201.3	9.35	219.3	10.91	238.5	12.29	245.4	12.59	255.0	12.90	262.2	13.14
		27.9	186.0	7.91	201.3	9.21	219.3	10.74	238.5	12.09	245.4	12.38	255.0	12.70	262.2	12.93
		55.8	186.0	7.27	201.3	8.63	219.3	10.04	238.5	11.31	245.4	11.57	255.0	11.89	262.2	12.12
		69.8	186.0	7.07	201.3	8.43	219.3	9.84	238.5	11.08	245.4	11.37	255.0	11.66	262.2	11.83
		83.7	186.0	6.97	201.3	8.33	219.3	9.74	238.5	10.97	245.4	11.27	255.0	11.55	262.2	11.69
	86	22.3	186.0	9.74	201.3	11.32	219.3	13.20	238.5	14.87	245.4	15.23	255.0	15.60	262.2	15.86
		27.9	186.0	9.55	201.3	11.14	219.3	12.99	238.5	14.63	245.4	14.98	255.0	15.36	262.2	15.62
		55.8	186.0	8.80	201.3	10.42	219.3	12.15	238.5	13.68	245.4	14.00	255.0	14.37	262.2	14.66
		69.8	186.0	8.54	201.3	10.19	219.3	11.89	238.5	13.39	245.4	13.74	255.0	14.11	262.2	14.32
		83.7	186.0	8.41	201.3	10.07	219.3	11.76	238.5	13.25	245.4	13.61	255.0	13.99	262.2	14.14
	95	22.3	170.1	9.98	184.2	11.62	200.7	13.52	218.1	15.22	224.7	15.60	233.4	15.98	240.0	16.27
		27.9	170.1	9.78	184.2	11.43	200.7	13.31	218.1	14.98	224.7	15.36	233.4	15.73	240.0	16.02
		55.8	170.1	9.01	184.2	10.68	200.7	12.44	218.1	14.03	224.7	14.37	233.4	14.75	240.0	15.01
		69.8	170.1	8.77	184.2	10.45	200.7	12.18	218.1	13.74	224.7	14.09	233.4	14.46	240.0	14.66
		83.7	170.1	8.66	184.2	10.33	200.7	12.05	218.1	13.60	224.7	13.94	233.4	14.32	240.0	14.49
	104	22.3	154.5	10.75	167.1	12.50	182.1	14.55	198.0	16.40	203.7	16.78	211.8	17.18	217.8	17.50
		27.9	154.5	10.54	167.1	12.30	182.1	14.32	198.0	16.13	203.7	16.51	211.8	16.91	217.8	17.23
		55.8	154.5	9.70	167.1	11.49	182.1	13.39	198.0	15.10	203.7	15.44	211.8	15.85	217.8	16.16
		69.8	154.5	9.44	167.1	11.26	182.1	13.13	198.0	14.78	203.7	15.15	211.8	15.56	217.8	15.79
		83.7	154.5	9.31	167.1	11.14	182.1	13.00	198.0	14.62	203.7	15.01	211.8	15.41	217.8	15.60
	113	22.3	138.9	11.51	150.0	13.38	163.5	15.57	177.9	17.57	182.7	17.96	190.2	18.39	195.6	18.73
		27.9	138.9	11.29	150.0	13.16	163.5	15.33	177.9	17.29	182.7	17.66	190.2	18.10	195.6	18.44
		55.8	138.9	10.39	150.0	12.30	163.5	14.35	177.9	16.16	182.7	16.51	190.2	16.94	195.6	17.32
		69.8	138.9	10.10	150.0	12.07	163.5	14.09	177.9	15.82	182.7	16.22	190.2	16.65	195.6	16.91
		83.7	138.9	9.96	150.0	11.95	163.5	13.96	177.9	15.64	182.7	16.08	190.2	16.51	195.6	16.71
110	23	14.7	179.2	3.86	193.9	4.47	211.0	5.16	229.7	5.85	236.6	5.95	246.2	6.14	252.5	6.21
	32	16.5	179.2	3.86	193.9	4.47	211.0	5.16	229.7	5.85	236.6	5.95	246.2	6.14	252.5	6.21
	41	19.0	179.2	3.86	193.9	4.47	211.0	5.16	229.7	5.85	236.6	5.95	246.2	6.14	252.5	6.21
	50	22.3	179.2	3.86	193.9	4.47	211.0	5.16	229.7	5.85	236.6	5.95	246.2	6.14	252.5	6.21
		27.9	179.2	3.78	193.9	4.39	211.0	5.09	229.7	5.76	236.6	5.87	246.2	6.04	252.5	6.12
		55.8	179.2	3.48	193.9	4.09	211.0	4.78	229.7	5.40	236.6	5.54	246.2	5.61	252.5	5.73
		69.8	179.2	3.37	193.9	4.00	211.0	4.67	229.7	5.29	236.6	5.39	246.2	5.50	252.5	5.65
		83.7	179.2	3.31	193.9	3.96	211.0	4.62	229.7	5.23	236.6	5.32	246.2	5.45	252.5	5.61
	59	22.3	178.2	5.15	192.9	5.99	210.0	6.95	228.3	7.83	235.2	8.00	244.5	8.21	251.1	8.36
		27.9	178.2	5.05	192.9	5.89	210.0	6.84	228.3	7.71	235.2	7.88	244.5	8.08	251.1	8.23
		55.8	178.2	4.65	192.9	5.48	210.0	6.41	228.3	7.22	235.2	7.39	244.5	7.56	251.1	7.71
		69.8	178.2	4.50	192.9	5.37	210.0	6.26	228.3	7.07	235.2	7.24	244.5	7.42	251.1	7.53
		83.7	178.2	4.43	192.9	5.31	210.0	6.19	228.3	7.00	235.2	7.17	244.5	7.35	251.1	7.45
	67	22.3	177.3	6.30	192.0	7.34	209.1	8.54	227.1	9.59	234.0	9.83	243.0	10.05	249.9	10.26
		27.9	177.3	6.18	192.0	7.22	209.1	8.40	227.1	9.44	234.0	9.67	243.0	9.90	249.9	10.10
		55.8	177.3	5.69	192.0	6.73	209.1	7.85	227.1	8.83	234.0	9.03	243.0	9.29	249.9	9.47
		69.8	177.3	5.51	192.0	6.58	209.1	7.68	227.1	8.66	234.0	8.89	243.0	9.12	249.9	9.21
		83.7	177.3	5.43	192.0	6.51	209.1	7.59	227.1	8.57	234.0	8.82	243.0	9.03	249.9	9.08
	75	22.3	177.3	7.72	192.0	8.98	209.1	10.44	227.1	11.76	234.0	12.02	243.0	12.31	249.9	12.55
		27.9	177.3	7.56	192.0	8.83	209.1	10.28	227.1	11.57	234.0	11.83	243.0	12.12	249.9	12.35
		55.8	177.3	6.96	192.0	8.26	209.1	9.61	227.1	10.82	234.0	11.08	243.0	11.37	249.9	11.57
		69.8	177.3	6.75	192.0	8.08	209.1	9.41	227.1	10.59	234.0	10.88	243.0	11.14	249.9	11.29
		83.7	177.3	6.65	192.0	8.00	209.1	9.31	227.1	10.48	234.0	10.78	243.0	11.03	249.9	11.14
	86	22.3	177.3	9.39	192.0	10.95	209.1	12.73	227.1	14.35	234.0	14.67	243.0	15.05	249.9	15.31
		27.9	177.3	9.21	192.0	10.77	209.1	12.53	227.1	14.11	234.0	14.43	243.0	14.81	249.9	15.07
		55.8	177.3	8.49	192.0	10.04	209.1	11.72	227.1	13.19	234.0	13.51	243.0	13.85	249.9	14.11
		69.8	177.3	8.26	192.0	9.84	209.1	11.46	227.1	12.93	234.0	13.25	243.0	13.59	249.9	13.77
		83.7	177.3	8.14	192.0	9.74	209.1	11.33	227.1	12.80	234.0	13.12	243.0	13.47	249.9	13.60
	95	22.3	165.0	9.78	178.8	11.35	194.7	13.23	211.8	14.90	218.1	15.25	226.5	15.63	232.8	15.93
		27.9	165.0	9.58	178.8	11.17	194.7	13.02	211.8	14.66	218.1	15.01	226.5	15.38	232.8	15.67
		55.8	165.0	8.80	178.8	10.45	194.7	12.18	211.8	13.71	218.1	14.06	226.5	14.40	232.8	14.66
		69.8	165.0	8.57	178.8	10.22	194.7	11.92	211.8	13.45	218.1	13.77	226.5	14.14	232.8	14.32
		83.7	165.0	8.46	178.8	10.10	194.7	11.79	211.8	13.32	218.1	13.62	226.5	14.01	232.8	14.14

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

Due to our policy of continuous product innovation, some specifications may change without notification.
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PERFORMANCE DATA

Cooling Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	22.3	153.0	10.75	165.6	12.46	180.6	14.56	196.2	16.37	201.9	16.75	210.0	17.15	215.7	17.47
		27.9	153.0	10.54	165.6	12.27	180.6	14.32	196.2	16.11	201.9	16.48	210.0	16.89	215.7	17.20
		55.8	153.0	9.67	165.6	11.49	180.6	13.36	196.2	15.07	201.9	15.41	210.0	15.82	215.7	16.13
		69.8	153.0	9.41	165.6	11.23	180.6	13.10	196.2	14.78	201.9	15.12	210.0	15.53	215.7	15.73
		83.7	153.0	9.28	165.6	11.10	180.6	12.97	196.2	14.63	201.9	14.98	210.0	15.39	215.7	15.53
	113	22.3	141.0	11.73	152.4	13.58	166.5	15.88	180.6	17.83	185.7	18.25	193.5	18.68	198.6	19.02
		27.9	141.0	11.49	152.4	13.36	166.5	15.62	180.6	17.55	185.7	17.95	193.5	18.39	198.6	18.73
		55.8	141.0	10.54	152.4	12.53	166.5	14.55	180.6	16.42	185.7	16.77	193.5	17.23	198.6	17.61
		69.8	141.0	10.25	152.4	12.24	166.5	14.29	180.6	16.11	185.7	16.48	193.5	16.91	198.6	17.15
		83.7	141.0	10.10	152.4	12.09	166.5	14.16	180.6	15.95	185.7	16.34	193.5	16.76	198.6	16.92
100	23	14.7	168.6	3.60	182.4	4.22	198.6	4.88	216.0	5.46	222.6	5.60	231.0	5.78	237.6	5.91
	32	16.5	168.6	3.60	182.4	4.22	198.6	4.88	216.0	5.46	222.6	5.60	231.0	5.78	237.6	5.91
	41	19.0	168.6	3.60	182.4	4.22	198.6	4.88	216.0	5.46	222.6	5.60	231.0	5.78	237.6	5.91
	50	22.3	168.6	3.60	182.4	4.22	198.6	4.88	216.0	5.46	222.6	5.60	231.0	5.78	237.6	5.91
		27.9	168.6	3.52	182.4	4.14	198.6	4.80	216.0	5.38	222.6	5.52	231.0	5.69	237.6	5.81
		55.8	168.6	3.25	182.4	3.83	198.6	4.50	216.0	5.08	222.6	5.22	231.0	5.33	237.6	5.38
		69.8	168.6	3.20	182.4	3.75	198.6	4.42	216.0	4.94	222.6	5.08	231.0	5.22	237.6	5.31
		83.7	168.6	3.17	182.4	3.70	198.6	4.37	216.0	4.87	222.6	5.01	231.0	5.17	237.6	5.27
	59	22.3	168.6	4.89	182.4	5.69	198.6	6.63	216.0	7.45	222.6	7.62	231.0	7.83	237.6	7.98
		27.9	168.6	4.79	182.4	5.60	198.6	6.52	216.0	7.33	222.6	7.50	231.0	7.71	237.6	7.85
		55.8	168.6	4.42	182.4	5.22	198.6	6.09	216.0	6.87	222.6	7.04	231.0	7.22	237.6	7.33
		69.8	168.6	4.30	182.4	5.11	198.6	5.97	216.0	6.73	222.6	6.90	231.0	7.07	237.6	7.16
		83.7	168.6	4.24	182.4	5.05	198.6	5.92	216.0	6.65	222.6	6.83	231.0	7.00	237.6	7.07
	67	22.3	168.6	6.03	182.4	7.01	198.6	8.19	216.0	9.22	222.6	9.42	231.0	9.65	237.6	9.82
		27.9	168.6	5.92	182.4	6.90	198.6	8.05	216.0	9.06	222.6	9.27	231.0	9.50	237.6	9.67
		55.8	168.6	5.46	182.4	6.47	198.6	7.50	216.0	8.46	222.6	8.66	231.0	8.89	237.6	9.06
		69.8	168.6	5.28	182.4	6.32	198.6	7.36	216.0	8.31	222.6	8.51	231.0	8.72	237.6	8.80
		83.7	168.6	5.20	182.4	6.25	198.6	7.29	216.0	8.24	222.6	8.44	231.0	8.63	237.6	8.67
	75	22.3	168.6	7.36	182.4	8.57	198.6	9.97	216.0	11.24	222.6	11.50	231.0	11.76	237.6	12.00
		27.9	168.6	7.22	182.4	8.43	198.6	9.81	216.0	11.05	222.6	11.31	231.0	11.57	237.6	11.81
		55.8	168.6	6.64	182.4	7.88	198.6	9.18	216.0	10.33	222.6	10.56	231.0	10.85	237.6	11.03
		69.8	168.6	6.47	182.4	7.71	198.6	8.98	216.0	10.13	222.6	10.36	231.0	10.65	237.6	10.74
		83.7	168.6	6.38	182.4	7.62	198.6	8.88	216.0	10.03	222.6	10.26	231.0	10.55	237.6	10.59
	86	22.3	168.6	9.07	182.4	10.54	198.6	12.26	216.0	13.82	222.6	14.15	231.0	14.49	237.6	14.76
		27.9	168.6	8.89	182.4	10.36	198.6	12.07	216.0	13.59	222.6	13.91	231.0	14.26	237.6	14.52
		55.8	168.6	8.17	182.4	9.67	198.6	11.29	216.0	12.70	222.6	12.99	231.0	13.34	237.6	13.57
		69.8	168.6	7.94	182.4	9.47	198.6	11.05	216.0	12.44	222.6	12.76	231.0	13.08	237.6	13.22
		83.7	168.6	7.82	182.4	9.37	198.6	10.94	216.0	12.31	222.6	12.64	231.0	12.95	237.6	13.05
	95	22.3	160.2	9.57	173.4	11.12	188.7	12.94	205.2	14.59	211.5	14.93	219.6	15.28	225.6	15.55
		27.9	160.2	9.38	173.4	10.94	188.7	12.73	205.2	14.35	211.5	14.69	219.6	15.04	225.6	15.30
		55.8	160.2	8.63	173.4	10.22	188.7	11.89	205.2	13.39	211.5	13.74	219.6	14.09	225.6	14.32
		69.8	160.2	8.37	173.4	10.02	188.7	11.66	205.2	13.13	211.5	13.48	219.6	13.83	225.6	13.94
		83.7	160.2	8.24	173.4	9.92	188.7	11.55	205.2	13.00	211.5	13.35	219.6	13.70	225.6	13.75
	104	22.3	151.5	10.72	164.1	12.47	178.8	14.52	194.4	16.34	200.1	16.76	207.9	17.16	213.9	17.45
		27.9	151.5	10.51	164.1	12.27	178.8	14.29	194.4	16.08	200.1	16.48	207.9	16.89	213.9	17.17
		55.8	151.5	9.67	164.1	11.46	178.8	13.36	194.4	15.04	200.1	15.38	207.9	15.79	213.9	16.08
		69.8	151.5	9.41	164.1	11.23	178.8	13.08	194.4	14.75	200.1	15.12	207.9	15.50	213.9	15.64
		83.7	151.5	9.28	164.1	11.11	178.8	12.93	194.4	14.61	200.1	15.00	207.9	15.36	213.9	15.43
	113	22.3	142.8	11.87	154.8	13.82	168.9	16.10	183.6	18.09	188.7	18.58	196.2	19.05	202.2	19.36
		27.9	142.8	11.63	154.8	13.59	168.9	15.85	183.6	17.81	188.7	18.27	196.2	18.73	202.2	19.05
		55.8	142.8	10.71	154.8	12.70	168.9	14.84	183.6	16.68	188.7	17.03	196.2	17.49	202.2	17.84
		69.8	142.8	10.45	154.8	12.44	168.9	14.49	183.6	16.37	188.7	16.77	196.2	17.17	202.2	17.35
		83.7	142.8	10.32	154.8	12.31	168.9	14.32	183.6	16.21	188.7	16.64	196.2	17.02	202.2	17.10
90	23	14.7	151.5	3.11	164.1	3.61	178.8	4.16	194.4	4.73	200.1	4.85	207.9	5.00	213.9	5.09
	32	16.5	151.5	3.11	164.1	3.61	178.8	4.16	194.4	4.73	200.1	4.85	207.9	5.00	213.9	5.09
	41	19.0	151.5	3.11	164.1	3.61	178.8	4.16	194.4	4.73	200.1	4.85	207.9	5.00	213.9	5.09
	50	22.3	151.5	3.11	164.1	3.61	178.8	4.16	194.4	4.73	200.1	4.85	207.9	5.00	213.9	5.09
		27.9	151.5	3.06	164.1	3.55	178.8	4.11	194.4	4.67	200.1	4.78	207.9	4.92	213.9	5.00
		55.8	151.5	2.84	164.1	3.33	178.8	3.89	194.4	4.39	200.1	4.47	207.9	4.58	213.9	4.67
		69.8	151.5	2.72	164.1	3.28	178.8	3.77	194.4	4.28	200.1	4.39	207.9	4.50	213.9	4.52
		83.7	151.5	2.66	164.1	3.25	178.8	3.72	194.4	4.22	200.1	4.35	207.9	4.46	213.9	4.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	22.3	151.5	4.21	164.1	4.90	178.8	5.69	194.4	6.42	200.1	6.57	207.9	6.75	213.9	6.86
		27.9	151.5	4.13	164.1	4.82	178.8	5.60	194.4	6.32	200.1	6.47	207.9	6.64	213.9	6.75
		55.8	151.5	3.81	164.1	4.50	178.8	5.25	194.4	5.92	200.1	6.06	207.9	6.21	213.9	6.32
		69.8	151.5	3.69	164.1	4.42	178.8	5.14	194.4	5.80	200.1	5.95	207.9	6.09	213.9	6.15
		83.7	151.5	3.64	164.1	4.37	178.8	5.08	194.4	5.74	200.1	5.89	207.9	6.03	213.9	6.06
	67	22.3	151.5	5.18	164.1	6.05	178.8	7.04	194.4	7.92	200.1	8.09	207.9	8.30	213.9	8.44
		27.9	151.5	5.08	164.1	5.95	178.8	6.93	194.4	7.79	200.1	7.97	207.9	8.17	213.9	8.31
		55.8	151.5	4.68	164.1	5.54	178.8	6.47	194.4	7.27	200.1	7.48	207.9	7.65	213.9	7.79
		69.8	151.5	4.56	164.1	5.43	178.8	6.35	194.4	7.16	200.1	7.33	207.9	7.50	213.9	7.59
		83.7	151.5	4.50	164.1	5.37	178.8	6.29	194.4	7.10	200.1	7.26	207.9	7.43	213.9	7.49
	75	22.3	151.5	6.33	164.1	7.36	178.8	8.57	194.4	9.65	200.1	9.89	207.9	10.12	213.9	10.33
		27.9	151.5	6.21	164.1	7.24	178.8	8.43	194.4	9.50	200.1	9.73	207.9	9.96	213.9	10.16
		55.8	151.5	5.72	164.1	6.78	178.8	7.88	194.4	8.89	200.1	9.09	207.9	9.32	213.9	9.50
		69.8	151.5	5.54	164.1	6.64	178.8	7.74	194.4	8.72	200.1	8.92	207.9	9.15	213.9	9.27
		83.7	151.5	5.46	164.1	6.57	178.8	7.66	194.4	8.63	200.1	8.83	207.9	9.06	213.9	9.15
	86	22.3	151.5	7.81	164.1	9.06	178.8	10.57	194.4	11.88	200.1	12.18	207.9	12.46	213.9	12.70
		27.9	151.5	7.65	164.1	8.92	178.8	10.39	194.4	11.69	200.1	11.98	207.9	12.27	213.9	12.50
		55.8	151.5	7.01	164.1	8.34	178.8	9.70	194.4	10.94	200.1	11.20	207.9	11.49	213.9	11.69
		69.8	151.5	6.84	164.1	8.17	178.8	9.50	194.4	10.71	200.1	11.00	207.9	11.26	213.9	11.37
		83.7	151.5	6.75	164.1	8.08	178.8	9.40	194.4	10.59	200.1	10.90	207.9	11.14	213.9	11.21
	95	22.3	147.3	8.42	159.6	9.76	174.0	11.38	189.0	12.82	194.7	13.11	202.2	13.43	207.9	13.70
		27.9	147.3	8.26	159.6	9.61	174.0	11.20	189.0	12.61	194.7	12.90	202.2	13.22	207.9	13.48
		55.8	147.3	7.59	159.6	9.01	174.0	10.48	189.0	11.81	194.7	12.07	202.2	12.38	207.9	12.61
		69.8	147.3	7.36	159.6	8.80	174.0	10.25	189.0	11.57	194.7	11.86	202.2	12.15	207.9	12.27
		83.7	147.3	7.25	159.6	8.70	174.0	10.13	189.0	11.46	194.7	11.76	202.2	12.04	207.9	12.09
	104	22.3	143.1	9.66	155.1	11.24	168.9	13.08	183.6	14.73	189.0	15.08	196.5	15.46	201.9	15.72
		27.9	143.1	9.47	155.1	11.05	168.9	12.87	183.6	14.49	189.0	14.84	196.5	15.21	201.9	15.47
		55.8	143.1	8.72	155.1	10.33	168.9	12.04	183.6	13.54	189.0	13.88	196.5	14.23	201.9	14.49
		69.8	143.1	8.46	155.1	10.10	168.9	11.78	183.6	13.28	189.0	13.62	196.5	13.97	201.9	14.11
		83.7	143.1	8.33	155.1	9.99	168.9	11.65	183.6	13.15	189.0	13.49	196.5	13.84	201.9	13.93
	113	22.3	138.9	10.89	150.6	12.71	163.8	14.79	178.2	16.64	183.3	17.04	190.8	17.49	195.9	17.74
		27.9	138.9	10.68	150.6	12.50	163.8	14.55	178.2	16.37	183.3	16.77	190.8	17.20	195.9	17.46
		55.8	138.9	9.84	150.6	11.66	163.8	13.59	178.2	15.27	183.3	15.70	190.8	16.08	195.9	16.37
		69.8	138.9	9.55	150.6	11.40	163.8	13.31	178.2	14.98	183.3	15.38	190.8	15.79	195.9	15.96
		83.7	138.9	9.41	150.6	11.27	163.8	13.16	178.2	14.84	183.3	15.23	190.8	15.64	195.9	15.76
80	23	14.7	134.7	2.61	146.1	3.01	159.0	3.53	172.8	4.02	177.9	4.06	184.8	4.22	190.2	4.23
	32	16.5	134.7	2.61	146.1	3.01	159.0	3.53	172.8	4.02	177.9	4.06	184.8	4.22	190.2	4.23
	41	19.0	134.7	2.61	146.1	3.01	159.0	3.53	172.8	4.02	177.9	4.06	184.8	4.22	190.2	4.23
	50	22.3	134.7	2.61	146.1	3.01	159.0	3.53	172.8	4.02	177.9	4.06	184.8	4.22	190.2	4.23
		27.9	134.7	2.55	146.1	2.97	159.0	3.47	172.8	3.95	177.9	4.00	184.8	4.14	190.2	4.16
		55.8	134.7	2.33	146.1	2.81	159.0	3.22	172.8	3.67	177.9	3.75	184.8	3.83	190.2	3.89
		69.8	134.7	2.28	146.1	2.72	159.0	3.16	172.8	3.55	177.9	3.63	184.8	3.78	190.2	3.84
		83.7	134.7	2.25	146.1	2.68	159.0	3.14	172.8	3.49	177.9	3.58	184.8	3.75	190.2	3.81
	59	22.3	134.7	3.54	146.1	4.11	159.0	4.78	172.8	5.40	177.9	5.51	184.8	5.67	190.2	5.75
		27.9	134.7	3.46	146.1	4.04	159.0	4.70	172.8	5.31	177.9	5.43	184.8	5.57	190.2	5.66
		55.8	134.7	3.18	146.1	3.78	159.0	4.39	172.8	4.96	177.9	5.08	184.8	5.20	190.2	5.28
		69.8	134.7	3.09	146.1	3.69	159.0	4.30	172.8	4.85	177.9	4.96	184.8	5.11	190.2	5.17
		83.7	134.7	3.05	146.1	3.65	159.0	4.26	172.8	4.79	177.9	4.91	184.8	5.07	190.2	5.11
	67	22.3	134.7	4.36	146.1	5.08	159.0	5.90	172.8	6.63	177.9	6.81	184.8	6.95	190.2	7.10
		27.9	134.7	4.27	146.1	4.99	159.0	5.80	172.8	6.52	177.9	6.70	184.8	6.84	190.2	6.99
		55.8	134.7	3.93	146.1	4.65	159.0	5.43	172.8	6.12	177.9	6.26	184.8	6.41	190.2	6.52
		69.8	134.7	3.81	146.1	4.56	159.0	5.31	172.8	6.00	177.9	6.15	184.8	6.29	190.2	6.35
		83.7	134.7	3.75	146.1	4.52	159.0	5.25	172.8	5.95	177.9	6.09	184.8	6.23	190.2	6.26
	75	22.3	134.7	5.30	146.1	6.16	159.0	7.19	172.8	8.10	177.9	8.31	184.8	8.51	190.2	8.65
		27.9	134.7	5.20	146.1	6.06	159.0	7.07	172.8	7.97	177.9	8.17	184.8	8.37	190.2	8.51
		55.8	134.7	4.79	146.1	5.69	159.0	6.61	172.8	7.45	177.9	7.62	184.8	7.82	190.2	7.97
		69.8	134.7	4.65	146.1	5.57	159.0	6.49	172.8	7.30	177.9	7.48	184.8	7.68	190.2	7.76
		83.7	134.7	4.58	146.1	5.51	159.0	6.44	172.8	7.23	177.9	7.40	184.8	7.61	190.2	7.66

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	22.3	134.7	6.54	146.1	7.60	159.0	8.86	172.8	9.98	177.9	10.21	184.8	10.44	190.2	10.65
		27.9	134.7	6.41	146.1	7.48	159.0	8.72	172.8	9.81	177.9	10.04	184.8	10.28	190.2	10.48
		55.8	134.7	5.89	146.1	6.99	159.0	8.14	172.8	9.15	177.9	9.38	184.8	9.61	190.2	9.78
		69.8	134.7	5.72	146.1	6.84	159.0	7.97	172.8	8.98	177.9	9.21	184.8	9.44	190.2	9.53
		83.7	134.7	5.63	146.1	6.77	159.0	7.88	172.8	8.89	177.9	9.12	184.8	9.35	190.2	9.40
	95	22.3	134.7	7.28	146.1	8.45	159.0	9.83	172.8	11.06	177.9	11.32	184.8	11.62	190.2	11.82
		27.9	134.7	7.13	146.1	8.31	159.0	9.67	172.8	10.88	177.9	11.14	184.8	11.43	190.2	11.63
		55.8	134.7	6.55	146.1	7.76	159.0	9.03	172.8	10.19	177.9	10.42	184.8	10.68	190.2	10.88
		69.8	134.7	6.38	146.1	7.59	159.0	8.86	172.8	9.99	177.9	10.22	184.8	10.51	190.2	10.59
		83.7	134.7	6.29	146.1	7.50	159.0	8.77	172.8	9.89	177.9	10.12	184.8	10.42	190.2	10.45
	104	22.3	134.7	8.60	146.1	10.01	159.0	11.65	172.8	13.11	177.9	13.40	184.8	13.76	190.2	13.99
		27.9	134.7	8.43	146.1	9.84	159.0	11.46	172.8	12.90	177.9	13.19	184.8	13.54	190.2	13.77
		55.8	134.7	7.76	146.1	9.18	159.0	10.71	172.8	12.07	177.9	12.35	184.8	12.67	190.2	12.90
		69.8	134.7	7.53	146.1	9.01	159.0	10.48	172.8	11.83	177.9	12.12	184.8	12.41	190.2	12.56
		83.7	134.7	7.42	146.1	8.92	159.0	10.36	172.8	11.72	177.9	12.01	184.8	12.28	190.2	12.38
	113	22.3	134.7	9.92	146.1	11.57	159.0	13.47	172.8	15.17	177.9	15.48	184.8	15.89	190.2	16.15
		27.9	134.7	9.73	146.1	11.37	159.0	13.25	172.8	14.92	177.9	15.24	184.8	15.64	190.2	15.90
		55.8	134.7	8.98	146.1	10.59	159.0	12.38	172.8	13.94	177.9	14.29	184.8	14.66	190.2	14.92
		69.8	134.7	8.69	146.1	10.42	159.0	12.09	172.8	13.68	177.9	14.03	184.8	14.32	190.2	14.52
		83.7	134.7	8.54	146.1	10.33	159.0	11.95	172.8	13.55	177.9	13.90	184.8	14.14	190.2	14.32
70	23	14.7	117.9	2.18	127.8	2.51	139.2	2.97	151.2	3.34	155.7	3.35	161.7	3.47	166.2	3.52
	32	16.5	117.9	2.18	127.8	2.51	139.2	2.97	151.2	3.34	155.7	3.35	161.7	3.47	166.2	3.52
	41	19.0	117.9	2.18	127.8	2.51	139.2	2.97	151.2	3.34	155.7	3.35	161.7	3.47	166.2	3.52
	50	22.3	117.9	2.18	127.8	2.51	139.2	2.97	151.2	3.34	155.7	3.35	161.7	3.47	166.2	3.52
		27.9	117.9	2.14	127.8	2.47	139.2	2.92	151.2	3.28	155.7	3.30	161.7	3.42	166.2	3.47
		55.8	117.9	1.97	127.8	2.33	139.2	2.72	151.2	3.06	155.7	3.11	161.7	3.19	166.2	3.28
		69.8	117.9	1.89	127.8	2.25	139.2	2.64	151.2	2.97	155.7	3.02	161.7	3.14	166.2	3.20
		83.7	117.9	1.84	127.8	2.20	139.2	2.59	151.2	2.93	155.7	2.98	161.7	3.11	166.2	3.16
	59	22.3	117.9	2.94	127.8	3.40	139.2	3.99	151.2	4.49	155.7	4.58	161.7	4.69	166.2	4.78
		27.9	117.9	2.89	127.8	3.35	139.2	3.93	151.2	4.42	155.7	4.50	161.7	4.62	166.2	4.70
		55.8	117.9	2.66	127.8	3.15	139.2	3.67	151.2	4.13	155.7	4.21	161.7	4.33	166.2	4.42
		69.8	117.9	2.57	127.8	3.06	139.2	3.58	151.2	4.04	155.7	4.13	161.7	4.24	166.2	4.30
		83.7	117.9	2.53	127.8	3.02	139.2	3.54	151.2	4.00	155.7	4.08	161.7	4.20	166.2	4.24
	67	22.3	117.9	3.62	127.8	4.19	139.2	4.90	151.2	5.51	155.7	5.67	161.7	5.77	166.2	5.90
		27.9	117.9	3.55	127.8	4.13	139.2	4.82	151.2	5.43	155.7	5.57	161.7	5.69	166.2	5.80
		55.8	117.9	3.26	127.8	3.87	139.2	4.50	151.2	5.08	155.7	5.20	161.7	5.34	166.2	5.43
		69.8	117.9	3.18	127.8	3.78	139.2	4.42	151.2	4.99	155.7	5.11	161.7	5.22	166.2	5.28
		83.7	117.9	3.13	127.8	3.74	139.2	4.37	151.2	4.95	155.7	5.07	161.7	5.17	166.2	5.21
	75	22.3	117.9	4.42	127.8	5.13	139.2	5.98	151.2	6.75	155.7	6.89	161.7	7.07	166.2	7.19
		27.9	117.9	4.33	127.8	5.05	139.2	5.89	151.2	6.64	155.7	6.78	161.7	6.96	166.2	7.07
		55.8	117.9	3.98	127.8	4.73	139.2	5.51	151.2	6.21	155.7	6.35	161.7	6.49	166.2	6.61
		69.8	117.9	3.87	127.8	4.62	139.2	5.40	151.2	6.06	155.7	6.23	161.7	6.38	166.2	6.44
		83.7	117.9	3.81	127.8	4.56	139.2	5.34	151.2	5.99	155.7	6.18	161.7	6.32	166.2	6.35
	86	22.3	117.9	5.45	127.8	6.31	139.2	7.37	151.2	8.27	155.7	8.48	161.7	8.68	166.2	8.83
		27.9	117.9	5.34	127.8	6.21	139.2	7.24	151.2	8.14	155.7	8.34	161.7	8.54	166.2	8.69
		55.8	117.9	4.91	127.8	5.80	139.2	6.75	151.2	7.62	155.7	7.79	161.7	8.00	166.2	8.14
		69.8	117.9	4.76	127.8	5.69	139.2	6.64	151.2	7.48	155.7	7.65	161.7	7.85	166.2	7.94
		83.7	117.9	4.69	127.8	5.63	139.2	6.58	151.2	7.40	155.7	7.58	161.7	7.78	166.2	7.84
	95	22.3	117.9	6.03	127.8	7.01	139.2	8.19	151.2	9.22	155.7	9.42	161.7	9.65	166.2	9.82
		27.9	117.9	5.92	127.8	6.90	139.2	8.05	151.2	9.06	155.7	9.27	161.7	9.50	166.2	9.67
		55.8	117.9	5.46	127.8	6.47	139.2	7.50	151.2	8.46	155.7	8.66	161.7	8.89	166.2	9.06
		69.8	117.9	5.28	127.8	6.32	139.2	7.36	151.2	8.31	155.7	8.51	161.7	8.72	166.2	8.80
		83.7	117.9	5.20	127.8	6.25	139.2	7.29	151.2	8.24	155.7	8.44	161.7	8.63	166.2	8.67
	104	22.3	117.9	7.16	127.8	8.30	139.2	9.69	151.2	10.88	155.7	11.14	161.7	11.44	166.2	11.65
		27.9	117.9	7.01	127.8	8.17	139.2	9.53	151.2	10.71	155.7	10.97	161.7	11.26	166.2	11.46
		55.8	117.9	6.44	127.8	7.65	139.2	8.89	151.2	10.02	155.7	10.28	161.7	10.54	166.2	10.71
		69.8	117.9	6.26	127.8	7.48	139.2	8.72	151.2	9.84	155.7	10.07	161.7	10.33	166.2	10.45
		83.7	117.9	6.18	127.8	7.39	139.2	8.63	151.2	9.76	155.7	9.97	161.7	10.23	166.2	10.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	22.3	117.9	8.29	127.8	9.59	139.2	11.18	151.2	12.55	155.7	12.87	161.7	13.23	166.2	13.47
		27.9	117.9	8.11	127.8	9.44	139.2	11.00	151.2	12.35	155.7	12.67	161.7	13.02	166.2	13.25
		55.8	117.9	7.42	127.8	8.83	139.2	10.28	151.2	11.57	155.7	11.89	161.7	12.18	166.2	12.35
		69.8	117.9	7.24	127.8	8.63	139.2	10.07	151.2	11.37	155.7	11.63	161.7	11.95	166.2	12.09
		83.7	117.9	7.16	127.8	8.53	139.2	9.97	151.2	11.27	155.7	11.50	161.7	11.83	166.2	11.96
60	23	14.7	101.1	1.77	109.5	2.04	119.1	2.35	129.6	2.65	133.5	2.72	138.6	2.81	142.5	2.82
	32	16.5	101.1	1.77	109.5	2.04	119.1	2.35	129.6	2.65	133.5	2.72	138.6	2.81	142.5	2.82
	41	19.0	101.1	1.77	109.5	2.04	119.1	2.35	129.6	2.65	133.5	2.72	138.6	2.81	142.5	2.82
	50	22.3	101.1	1.77	109.5	2.04	119.1	2.35	129.6	2.65	133.5	2.72	138.6	2.81	142.5	2.82
		27.9	101.1	1.72	109.5	2.00	119.1	2.31	129.6	2.61	133.5	2.67	138.6	2.75	142.5	2.78
		55.8	101.1	1.56	109.5	1.86	119.1	2.14	129.6	2.45	133.5	2.44	138.6	2.53	142.5	2.61
		69.8	101.1	1.50	109.5	1.80	119.1	2.11	129.6	2.39	133.5	2.41	138.6	2.47	142.5	2.50
		83.7	101.1	1.47	109.5	1.78	119.1	2.10	129.6	2.36	133.5	2.40	138.6	2.44	142.5	2.44
	59	22.3	101.1	2.36	109.5	2.73	119.1	3.17	129.6	3.58	133.5	3.67	138.6	3.76	142.5	3.81
		27.9	101.1	2.31	109.5	2.68	119.1	3.12	129.6	3.52	133.5	3.61	138.6	3.69	142.5	3.75
		55.8	101.1	2.11	109.5	2.51	119.1	2.92	129.6	3.29	133.5	3.35	138.6	3.43	142.5	3.52
		69.8	101.1	2.05	109.5	2.45	119.1	2.86	129.6	3.23	133.5	3.29	138.6	3.38	142.5	3.41
		83.7	101.1	2.02	109.5	2.42	119.1	2.83	129.6	3.20	133.5	3.26	138.6	3.35	142.5	3.35
	67	22.3	101.1	2.89	109.5	3.34	119.1	3.90	129.6	4.40	133.5	4.52	138.6	4.60	142.5	4.69
		27.9	101.1	2.83	109.5	3.29	119.1	3.84	129.6	4.33	133.5	4.45	138.6	4.53	142.5	4.62
		55.8	101.1	2.60	109.5	3.09	119.1	3.61	129.6	4.04	133.5	4.16	138.6	4.24	142.5	4.33
		69.8	101.1	2.54	109.5	3.03	119.1	3.52	129.6	3.98	133.5	4.07	138.6	4.19	142.5	4.21
		83.7	101.1	2.51	109.5	3.00	119.1	3.48	129.6	3.95	133.5	4.03	138.6	4.16	142.5	4.16
	75	22.3	101.1	3.54	109.5	4.08	119.1	4.75	129.6	5.37	133.5	5.48	138.6	5.63	142.5	5.72
		27.9	101.1	3.46	109.5	4.01	119.1	4.68	129.6	5.28	133.5	5.40	138.6	5.54	142.5	5.63
		55.8	101.1	3.18	109.5	3.75	119.1	4.39	129.6	4.94	133.5	5.05	138.6	5.20	142.5	5.28
		69.8	101.1	3.09	109.5	3.69	119.1	4.30	129.6	4.85	133.5	4.96	138.6	5.08	142.5	5.14
		83.7	101.1	3.05	109.5	3.67	119.1	4.26	129.6	4.81	133.5	4.92	138.6	5.02	142.5	5.07
	86	22.3	101.1	4.33	109.5	5.05	119.1	5.87	129.6	6.60	133.5	6.75	138.6	6.92	142.5	7.04
		27.9	101.1	4.24	109.5	4.96	119.1	5.77	129.6	6.49	133.5	6.64	138.6	6.81	142.5	6.93
		55.8	101.1	3.90	109.5	4.62	119.1	5.40	129.6	6.06	133.5	6.21	138.6	6.38	142.5	6.49
		69.8	101.1	3.81	109.5	4.53	119.1	5.28	129.6	5.95	133.5	6.09	138.6	6.26	142.5	6.32
		83.7	101.1	3.77	109.5	4.49	119.1	5.22	129.6	5.89	133.5	6.03	138.6	6.21	142.5	6.23
	95	22.3	101.1	4.80	109.5	5.61	119.1	6.51	129.6	7.33	133.5	7.51	138.6	7.68	142.5	7.83
		27.9	101.1	4.70	109.5	5.51	119.1	6.41	129.6	7.22	133.5	7.39	138.6	7.56	142.5	7.71
		55.8	101.1	4.33	109.5	5.14	119.1	6.00	129.6	6.75	133.5	6.90	138.6	7.10	142.5	7.22
		69.8	101.1	4.21	109.5	5.02	119.1	5.86	129.6	6.61	133.5	6.78	138.6	6.96	142.5	7.01
		83.7	101.1	4.16	109.5	4.96	119.1	5.79	129.6	6.54	133.5	6.73	138.6	6.88	142.5	6.91
	104	22.3	101.1	5.72	109.5	6.63	119.1	7.72	129.6	8.68	133.5	8.89	138.6	9.12	142.5	9.27
		27.9	101.1	5.60	109.5	6.52	119.1	7.59	129.6	8.54	133.5	8.75	138.6	8.98	142.5	9.12
		55.8	101.1	5.14	109.5	6.09	119.1	7.10	129.6	8.00	133.5	8.17	138.6	8.40	142.5	8.54
		69.8	101.1	4.99	109.5	5.97	119.1	6.96	129.6	7.82	133.5	8.02	138.6	8.23	142.5	8.31
		83.7	101.1	4.92	109.5	5.92	119.1	6.88	129.6	7.74	133.5	7.95	138.6	8.14	142.5	8.20
	113	22.3	101.1	6.63	109.5	7.66	119.1	8.92	129.6	10.03	133.5	10.27	138.6	10.57	142.5	10.70
		27.9	101.1	6.49	109.5	7.53	119.1	8.77	129.6	9.87	133.5	10.10	138.6	10.39	142.5	10.54
		55.8	101.1	5.95	109.5	7.04	119.1	8.20	129.6	9.24	133.5	9.44	138.6	9.70	142.5	9.87
		69.8	101.1	5.77	109.5	6.93	119.1	8.05	129.6	9.03	133.5	9.27	138.6	9.50	142.5	9.61
		83.7	101.1	5.69	109.5	6.87	119.1	7.98	129.6	8.93	133.5	9.18	138.6	9.40	142.5	9.48
50	23	14.7	84.3	1.26	91.2	1.49	99.3	1.80	108.0	1.98	111.3	2.00	115.5	2.06	118.8	2.12
	32	16.5	84.3	1.26	91.2	1.49	99.3	1.80	108.0	1.98	111.3	2.00	115.5	2.06	118.8	2.12
	41	19.0	84.3	1.26	91.2	1.49	99.3	1.80	108.0	1.98	111.3	2.00	115.5	2.06	118.8	2.12
	50	22.3	84.3	1.26	91.2	1.49	99.3	1.80	108.0	1.98	111.3	2.00	115.5	2.06	118.8	2.12
		27.9	84.3	1.25	91.2	1.47	99.3	1.75	108.0	1.94	111.3	1.97	115.5	2.03	118.8	2.09
		55.8	84.3	1.20	91.2	1.39	99.3	1.58	108.0	1.80	111.3	1.86	115.5	1.89	118.8	1.94
		69.8	84.3	1.14	91.2	1.33	99.3	1.58	108.0	1.75	111.3	1.80	115.5	1.83	118.8	1.86
		83.7	84.3	1.11	91.2	1.30	99.3	1.59	108.0	1.72	111.3	1.78	115.5	1.80	118.8	1.82
	59	22.3	84.3	1.73	91.2	2.02	99.3	2.38	108.0	2.67	111.3	2.73	115.5	2.79	118.8	2.84
		27.9	84.3	1.70	91.2	1.99	99.3	2.34	108.0	2.63	111.3	2.68	115.5	2.74	118.8	2.80
		55.8	84.3	1.59	91.2	1.88	99.3	2.16	108.0	2.45	111.3	2.51	115.5	2.57	118.8	2.63
		69.8	84.3	1.53	91.2	1.82	99.3	2.14	108.0	2.40	111.3	2.45	115.5	2.51	118.8	2.54
		83.7	84.3	1.50	91.2	1.79	99.3	2.12	108.0	2.37	111.3	2.42	115.5	2.48	118.8	2.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	22.3	84.3	2.15	91.2	2.49	99.3	2.90	108.0	3.28	111.3	3.38	115.5	3.43	118.8	3.49
		27.9	84.3	2.11	91.2	2.45	99.3	2.86	108.0	3.23	111.3	3.32	115.5	3.38	118.8	3.43
		55.8	84.3	1.93	91.2	2.31	99.3	2.68	108.0	3.03	111.3	3.09	115.5	3.18	118.8	3.23
		69.8	84.3	1.88	91.2	2.25	99.3	2.63	108.0	2.97	111.3	3.03	115.5	3.12	118.8	3.15
		83.7	84.3	1.85	91.2	2.22	99.3	2.60	108.0	2.94	111.3	3.00	115.5	3.09	118.8	3.10
	75	22.3	84.3	2.62	91.2	3.05	99.3	3.55	108.0	3.98	111.3	4.11	115.5	4.19	118.8	4.29
		27.9	84.3	2.57	91.2	3.00	99.3	3.49	108.0	3.93	111.3	4.04	115.5	4.13	118.8	4.21
		55.8	84.3	2.37	91.2	2.80	99.3	3.26	108.0	3.69	111.3	3.78	115.5	3.87	118.8	3.93
		69.8	84.3	2.31	91.2	2.74	99.3	3.20	108.0	3.61	111.3	3.69	115.5	3.78	118.8	3.84
		83.7	84.3	2.28	91.2	2.71	99.3	3.18	108.0	3.56	111.3	3.65	115.5	3.74	118.8	3.80
	86	22.3	84.3	3.24	91.2	3.75	99.3	4.37	108.0	4.93	111.3	5.04	115.5	5.16	118.8	5.25
		27.9	84.3	3.18	91.2	3.69	99.3	4.30	108.0	4.85	111.3	4.96	115.5	5.08	118.8	5.17
		55.8	84.3	2.92	91.2	3.46	99.3	4.01	108.0	4.53	111.3	4.65	115.5	4.76	118.8	4.85
		69.8	84.3	2.83	91.2	3.38	99.3	3.93	108.0	4.45	111.3	4.56	115.5	4.68	118.8	4.70
		83.7	84.3	2.79	91.2	3.33	99.3	3.88	108.0	4.40	111.3	4.52	115.5	4.63	118.8	4.63
	95	22.3	84.3	3.59	91.2	4.16	99.3	4.87	108.0	5.46	111.3	5.61	115.5	5.75	118.8	5.84
		27.9	84.3	3.52	91.2	4.10	99.3	4.79	108.0	5.37	111.3	5.51	115.5	5.66	118.8	5.74
		55.8	84.3	3.23	91.2	3.84	99.3	4.47	108.0	5.02	111.3	5.14	115.5	5.28	118.8	5.37
		69.8	84.3	3.15	91.2	3.75	99.3	4.39	108.0	4.94	111.3	5.05	115.5	5.20	118.8	5.22
		83.7	84.3	3.10	91.2	3.71	99.3	4.34	108.0	4.89	111.3	5.01	115.5	5.15	118.8	5.15
	104	22.3	84.3	4.24	91.2	4.93	99.3	5.75	108.0	6.49	111.3	6.63	115.5	6.81	118.8	6.92
		27.9	84.3	4.16	91.2	4.85	99.3	5.66	108.0	6.38	111.3	6.52	115.5	6.70	118.8	6.81
		55.8	84.3	3.84	91.2	4.53	99.3	5.28	108.0	5.95	111.3	6.09	115.5	6.26	118.8	6.38
		69.8	84.3	3.72	91.2	4.45	99.3	5.20	108.0	5.83	111.3	5.97	115.5	6.15	118.8	6.21
		83.7	84.3	3.67	91.2	4.40	99.3	5.15	108.0	5.77	111.3	5.92	115.5	6.09	118.8	6.12
	113	22.3	84.3	4.88	91.2	5.69	99.3	6.63	108.0	7.52	111.3	7.66	115.5	7.86	118.8	8.00
		27.9	84.3	4.79	91.2	5.60	99.3	6.52	108.0	7.39	111.3	7.53	115.5	7.74	118.8	7.88
		55.8	84.3	4.45	91.2	5.22	99.3	6.09	108.0	6.87	111.3	7.04	115.5	7.24	118.8	7.39
		69.8	84.3	4.30	91.2	5.14	99.3	6.00	108.0	6.73	111.3	6.90	115.5	7.10	118.8	7.19
		83.7	84.3	4.23	91.2	5.09	99.3	5.96	108.0	6.65	111.3	6.83	115.5	7.03	118.8	7.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

Cooling Capacity

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	18.7	267.3	5.89	289.7	6.90	316.2	8.04	343.0	9.07	353.0	9.32	367.1	9.49	377.1	9.58
	32	21.0	267.3	5.89	289.7	6.90	316.2	8.04	343.0	9.07	353.0	9.32	367.1	9.49	377.1	9.58
	41	24.1	267.3	5.89	289.7	6.90	316.2	8.04	343.0	9.07	353.0	9.32	367.1	9.49	377.1	9.58
	50	28.4	267.3	5.89	289.7	6.90	316.2	8.04	343.0	9.07	353.0	9.32	367.1	9.49	377.1	9.58
		35.5	267.3	5.79	289.7	6.80	316.2	7.92	343.0	8.92	353.0	9.15	367.1	9.34	377.1	9.45
		71.0	267.3	5.37	289.7	6.37	316.2	7.42	343.0	8.34	353.0	8.49	367.1	8.77	377.1	8.96
		88.8	267.3	5.21	289.7	6.22	316.2	7.26	343.0	8.15	353.0	8.38	367.1	8.57	377.1	8.73
		106.5	267.3	5.14	289.7	6.14	316.2	7.18	343.0	8.05	353.0	8.33	367.1	8.47	377.1	8.61
	59	28.4	263.2	7.78	285.2	9.05	310.8	10.56	337.6	11.90	347.6	12.19	361.2	12.46	371.2	12.65
		35.5	263.2	7.63	285.2	8.91	310.8	10.39	337.6	11.71	347.6	11.99	361.2	12.27	371.2	12.47
		71.0	263.2	7.03	285.2	8.35	310.8	9.71	337.6	10.95	347.6	11.19	361.2	11.51	371.2	11.75
		88.8	263.2	6.83	285.2	8.15	310.8	9.51	337.6	10.71	347.6	10.99	361.2	11.27	371.2	11.47
		106.5	263.2	6.73	285.2	8.05	310.8	9.41	337.6	10.59	347.6	10.89	361.2	11.15	371.2	11.33
	67	28.4	259.6	9.46	281.2	10.96	306.0	12.80	332.8	14.42	342.8	14.74	356.0	15.10	366.0	15.37
		35.5	259.6	9.27	281.2	10.79	306.0	12.59	332.8	14.18	342.8	14.50	356.0	14.86	366.0	15.14
		71.0	259.6	8.51	281.2	10.11	306.0	11.75	332.8	13.26	342.8	13.58	356.0	13.94	366.0	14.22
		88.8	259.6	8.27	281.2	9.87	306.0	11.51	332.8	12.99	342.8	13.30	356.0	13.66	366.0	13.90
		106.5	259.6	8.15	281.2	9.75	306.0	11.39	332.8	12.85	342.8	13.17	356.0	13.53	366.0	13.75
	75	28.4	259.6	11.66	281.2	13.52	306.0	15.75	332.8	17.74	342.8	18.19	356.0	18.63	366.0	18.94
		35.5	259.6	11.43	281.2	13.30	306.0	15.50	332.8	17.46	342.8	17.90	356.0	18.34	366.0	18.66
		71.0	259.6	10.51	281.2	12.47	306.0	14.50	332.8	16.34	342.8	16.74	356.0	17.18	366.0	17.54
		88.8	259.6	10.23	281.2	12.19	306.0	14.22	332.8	16.02	342.8	16.42	356.0	16.86	366.0	17.14
		106.5	259.6	10.09	281.2	12.05	306.0	14.08	332.8	15.86	342.8	16.26	356.0	16.70	366.0	16.94
	86	28.4	259.6	13.99	281.2	16.24	306.0	18.92	332.8	21.32	342.8	21.80	356.0	22.37	366.0	22.71
		35.5	259.6	13.70	281.2	15.98	306.0	18.62	332.8	20.98	342.8	21.46	356.0	22.01	366.0	22.37
		71.0	259.6	12.59	281.2	14.94	306.0	17.42	332.8	19.62	342.8	20.10	356.0	20.62	366.0	21.06
		88.8	259.6	12.27	281.2	14.62	306.0	17.06	332.8	19.22	342.8	19.74	356.0	20.22	366.0	20.58
		106.5	259.6	12.11	281.2	14.46	306.0	16.88	332.8	19.02	342.8	19.56	356.0	20.02	366.0	20.34
	95	28.4	233.6	14.15	252.8	16.45	275.6	19.12	299.6	21.57	308.4	22.04	320.4	22.61	329.2	23.01
		35.5	233.6	13.86	252.8	16.18	275.6	18.82	299.6	21.22	308.4	21.70	320.4	22.25	329.2	22.65
		71.0	233.6	12.75	252.8	15.10	275.6	17.62	299.6	19.82	308.4	20.34	320.4	20.86	329.2	21.26
		88.8	233.6	12.39	252.8	14.78	275.6	17.26	299.6	19.42	308.4	19.94	320.4	20.46	329.2	20.82
		106.5	233.6	12.21	252.8	14.62	275.6	17.08	299.6	19.22	308.4	19.74	320.4	20.26	329.2	20.60
	104	28.4	207.6	14.93	224.8	17.34	244.8	20.18	266.0	22.75	274.0	23.27	284.8	23.82	292.8	24.26
		35.5	207.6	14.62	224.8	17.06	244.8	19.86	266.0	22.37	274.0	22.89	284.8	23.45	292.8	23.89
		71.0	207.6	13.42	224.8	15.94	244.8	18.58	266.0	20.90	274.0	21.42	284.8	22.01	292.8	22.45
		88.8	207.6	13.07	224.8	15.58	244.8	18.18	266.0	20.50	274.0	21.02	284.8	21.58	292.8	21.94
		106.5	207.6	12.89	224.8	15.40	244.8	17.98	266.0	20.30	274.0	20.82	284.8	21.36	292.8	21.68
	113	28.4	181.6	15.71	196.8	18.23	214.0	21.24	232.4	23.93	239.6	24.50	249.2	25.03	256.4	25.50
		35.5	181.6	15.38	196.8	17.94	214.0	20.90	232.4	23.53	239.6	24.09	249.2	24.65	256.4	25.13
		71.0	181.6	14.10	196.8	16.78	214.0	19.54	232.4	21.98	239.6	22.49	249.2	23.17	256.4	23.65
		88.8	181.6	13.74	196.8	16.38	214.0	19.10	232.4	21.58	239.6	22.09	249.2	22.69	256.4	23.05
		106.5	181.6	13.57	196.8	16.18	214.0	18.88	232.4	21.38	239.6	21.90	249.2	22.46	256.4	22.76
120	23	18.7	253.1	5.63	274.4	6.50	298.4	7.66	324.8	8.58	334.9	8.84	347.7	9.02	357.3	9.18
	32	21.0	253.1	5.63	274.4	6.50	298.4	7.66	324.8	8.58	334.9	8.84	347.7	9.02	357.3	9.18
	41	24.1	253.1	5.63	274.4	6.50	298.4	7.66	324.8	8.58	334.9	8.84	347.7	9.02	357.3	9.18
	50	28.4	253.1	5.63	274.4	6.50	298.4	7.66	324.8	8.58	334.9	8.84	347.7	9.02	357.3	9.18
		35.5	253.1	5.51	274.4	6.40	298.4	7.52	324.8	8.45	334.9	8.68	347.7	8.87	357.3	9.02
		71.0	253.1	5.05	274.4	5.97	298.4	6.98	324.8	7.91	334.9	8.06	347.7	8.29	357.3	8.40
		88.8	253.1	4.98	274.4	5.86	298.4	6.91	324.8	7.75	334.9	7.90	347.7	8.14	357.3	8.25
		106.5	253.1	4.94	274.4	5.80	298.4	6.87	324.8	7.67	334.9	7.82	347.7	8.06	357.3	8.18
	59	28.4	250.4	7.46	271.2	8.65	295.2	10.12	321.2	11.37	330.8	11.66	343.6	11.94	353.2	12.14
		35.5	250.4	7.31	271.2	8.51	295.2	9.95	321.2	11.19	330.8	11.47	343.6	11.75	353.2	11.95
		71.0	250.4	6.71	271.2	7.95	295.2	9.27	321.2	10.47	330.8	10.71	343.6	10.99	353.2	11.19
		88.8	250.4	6.55	271.2	7.79	295.2	9.11	321.2	10.27	330.8	10.51	343.6	10.79	353.2	10.95
		106.5	250.4	6.47	271.2	7.71	295.2	9.03	321.2	10.17	330.8	10.41	343.6	10.69	353.2	10.83
	67	28.4	248.0	9.09	268.4	10.56	292.4	12.31	318.0	13.85	327.2	14.17	340.0	14.54	349.6	14.77
		35.5	248.0	8.91	268.4	10.39	292.4	12.11	318.0	13.62	327.2	13.94	340.0	14.30	349.6	14.54
		71.0	248.0	8.19	268.4	9.71	292.4	11.31	318.0	12.75	327.2	13.07	340.0	13.38	349.6	13.66
		88.8	248.0	7.95	268.4	9.51	292.4	11.07	318.0	12.51	327.2	12.83	340.0	13.15	349.6	13.34
		106.5	248.0	7.83	268.4	9.41	292.4	10.95	318.0	12.39	327.2	12.71	340.0	13.03	349.6	13.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	28.4	248.0	11.17	268.4	12.95	292.4	15.11	318.0	17.01	327.2	17.42	340.0	17.86	349.6	18.18
		35.5	248.0	10.95	268.4	12.75	292.4	14.86	318.0	16.74	327.2	17.14	340.0	17.58	349.6	17.90
		71.0	248.0	10.07	268.4	11.95	292.4	13.90	318.0	15.66	327.2	16.02	340.0	16.46	349.6	16.78
		88.8	248.0	9.79	268.4	11.67	292.4	13.62	318.0	15.34	327.2	15.74	340.0	16.14	349.6	16.38
		106.5	248.0	9.65	268.4	11.53	292.4	13.49	318.0	15.18	327.2	15.60	340.0	15.98	349.6	16.18
	86	28.4	248.0	13.49	268.4	15.67	292.4	18.27	318.0	20.59	327.2	21.08	340.0	21.60	349.6	21.95
		35.5	248.0	13.22	268.4	15.42	292.4	17.98	318.0	20.26	327.2	20.74	340.0	21.26	349.6	21.62
		71.0	248.0	12.19	268.4	14.42	292.4	16.82	318.0	18.94	327.2	19.38	340.0	19.90	349.6	20.30
		88.8	248.0	11.83	268.4	14.10	292.4	16.46	318.0	18.54	327.2	19.02	340.0	19.54	349.6	19.82
		106.5	248.0	11.65	268.4	13.94	292.4	16.28	318.0	18.34	327.2	18.84	340.0	19.36	349.6	19.58
	95	28.4	226.8	13.82	245.6	16.08	267.6	18.72	290.8	21.07	299.6	21.60	311.2	22.12	320.0	22.53
		35.5	226.8	13.54	245.6	15.82	267.6	18.42	290.8	20.74	299.6	21.26	311.2	21.78	320.0	22.17
		71.0	226.8	12.47	245.6	14.78	267.6	17.22	290.8	19.42	299.6	19.90	311.2	20.42	320.0	20.78
		88.8	226.8	12.15	245.6	14.46	267.6	16.86	290.8	19.02	299.6	19.50	311.2	20.02	320.0	20.30
		106.5	226.8	11.99	245.6	14.30	267.6	16.68	290.8	18.82	299.6	19.30	311.2	19.82	320.0	20.06
	104	28.4	206.0	14.88	222.8	17.30	242.8	20.14	264.0	22.70	271.6	23.23	282.4	23.79	290.4	24.23
		35.5	206.0	14.58	222.8	17.02	242.8	19.82	264.0	22.33	271.6	22.85	282.4	23.41	290.4	23.85
		71.0	206.0	13.42	222.8	15.90	242.8	18.54	264.0	20.90	271.6	21.38	282.4	21.94	290.4	22.37
		88.8	206.0	13.07	222.8	15.58	242.8	18.18	264.0	20.46	271.6	20.98	282.4	21.54	290.4	21.86
		106.5	206.0	12.89	222.8	15.42	242.8	18.00	264.0	20.24	271.6	20.78	282.4	21.34	290.4	21.60
	113	28.4	185.2	15.94	200.0	18.52	218.0	21.56	237.2	24.33	243.6	24.86	253.6	25.46	260.8	25.92
		35.5	185.2	15.62	200.0	18.22	218.0	21.22	237.2	23.93	243.6	24.45	253.6	25.05	260.8	25.53
		71.0	185.2	14.38	200.0	17.02	218.0	19.86	237.2	22.37	243.6	22.85	253.6	23.45	260.8	23.97
		88.8	185.2	13.98	200.0	16.70	218.0	19.50	237.2	21.90	243.6	22.45	253.6	23.05	260.8	23.41
		106.5	185.2	13.79	200.0	16.54	218.0	19.32	237.2	21.66	243.6	22.26	253.6	22.85	260.8	23.14
110	23	18.7	239.0	5.35	258.6	6.19	281.4	7.15	306.2	8.10	315.4	8.24	328.3	8.50	336.6	8.60
	32	21.0	239.0	5.35	258.6	6.19	281.4	7.15	306.2	8.10	315.4	8.24	328.3	8.50	336.6	8.60
	41	24.1	239.0	5.35	258.6	6.19	281.4	7.15	306.2	8.10	315.4	8.24	328.3	8.50	336.6	8.60
	50	28.4	239.0	5.35	258.6	6.19	281.4	7.15	306.2	8.10	315.4	8.24	328.3	8.50	336.6	8.60
		35.5	239.0	5.24	258.6	6.08	281.4	7.04	306.2	7.97	315.4	8.12	328.3	8.36	336.6	8.47
		71.0	239.0	4.81	258.6	5.66	281.4	6.62	306.2	7.47	315.4	7.67	328.3	7.77	336.6	7.93
		88.8	239.0	4.66	258.6	5.54	281.4	6.47	306.2	7.32	315.4	7.47	328.3	7.62	336.6	7.82
		106.5	239.0	4.58	258.6	5.49	281.4	6.39	306.2	7.24	315.4	7.37	328.3	7.54	336.6	7.77
	59	28.4	237.6	7.13	257.2	8.29	280.0	9.62	304.4	10.84	313.6	11.08	326.0	11.37	334.8	11.57
		35.5	237.6	6.99	257.2	8.15	280.0	9.47	304.4	10.67	313.6	10.91	326.0	11.19	334.8	11.39
		71.0	237.6	6.43	257.2	7.59	280.0	8.87	304.4	9.99	313.6	10.23	326.0	10.47	334.8	10.67
		88.8	237.6	6.23	257.2	7.43	280.0	8.67	304.4	9.79	313.6	10.03	326.0	10.27	334.8	10.43
		106.5	237.6	6.13	257.2	7.35	280.0	8.57	304.4	9.69	313.6	9.93	326.0	10.17	334.8	10.31
	67	28.4	236.4	8.72	256.0	10.16	278.8	11.82	302.8	13.28	312.0	13.61	324.0	13.92	333.2	14.21
		35.5	236.4	8.55	256.0	9.99	278.8	11.63	302.8	13.07	312.0	13.38	324.0	13.70	333.2	13.98
		71.0	236.4	7.87	256.0	9.31	278.8	10.87	302.8	12.23	312.0	12.51	324.0	12.87	333.2	13.11
		88.8	236.4	7.63	256.0	9.11	278.8	10.63	302.8	11.99	312.0	12.31	324.0	12.63	333.2	12.75
		106.5	236.4	7.51	256.0	9.01	278.8	10.51	302.8	11.87	312.0	12.21	324.0	12.51	333.2	12.57
	75	28.4	236.4	10.68	256.0	12.43	278.8	14.46	302.8	16.28	312.0	16.64	324.0	17.04	333.2	17.37
		35.5	236.4	10.47	256.0	12.23	278.8	14.22	302.8	16.02	312.0	16.38	324.0	16.78	333.2	17.10
		71.0	236.4	9.63	256.0	11.43	278.8	13.30	302.8	14.98	312.0	15.34	324.0	15.74	333.2	16.02
		88.8	236.4	9.35	256.0	11.19	278.8	13.03	302.8	14.66	312.0	15.06	324.0	15.42	333.2	15.625
		106.5	236.4	9.21	256.0	11.07	278.8	12.89	302.8	14.50	312.0	14.92	324.0	15.26	333.2	15.42
	86	28.4	236.4	13.00	256.0	15.16	278.8	17.62	302.8	19.86	312.0	20.30	324.0	20.83	333.2	21.19
		35.5	236.4	12.75	256.0	14.90	278.8	17.34	302.8	19.54	312.0	19.98	324.0	20.50	333.2	20.86
		71.0	236.4	11.75	256.0	13.90	278.8	16.22	302.8	18.26	312.0	18.70	324.0	19.18	333.2	19.54
		88.8	236.4	11.43	256.0	13.62	278.8	15.86	302.8	17.90	312.0	18.34	324.0	18.82	333.2	19.06
		106.5	236.4	11.27	256.0	13.49	278.8	15.68	302.8	17.72	312.0	18.16	324.0	18.64	333.2	18.82
	95	28.4	220.0	13.54	238.4	15.71	259.6	18.31	282.4	20.63	290.8	21.11	302.0	21.64	310.4	22.05
		35.5	220.0	13.26	238.4	15.46	259.6	18.02	282.4	20.30	290.8	20.78	302.0	21.30	310.4	21.70
		71.0	220.0	12.19	238.4	14.46	259.6	16.86	282.4	18.98	290.8	19.46	302.0	19.94	310.4	20.30
		88.8	220.0	11.87	238.4	14.14	259.6	16.50	282.4	18.62	290.8	19.06	302.0	19.58	310.4	19.82
		106.5	220.0	11.71	238.4	13.98	259.6	16.32	282.4	18.44	290.8	18.86	302.0	19.40	310.4	19.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN288BAS4, ARWB288BAS4

Cooling Capacity

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	28.4	204.0	14.89	220.8	17.25	240.8	20.15	261.6	22.66	269.2	23.19	280.0	23.75	287.6	24.19
		35.5	204.0	14.58	220.8	16.98	240.8	19.82	261.6	22.29	269.2	22.81	280.0	23.37	287.6	23.81
		71.0	204.0	13.38	220.8	15.90	240.8	18.50	261.6	20.86	269.2	21.34	280.0	21.90	287.6	22.33
		88.8	204.0	13.03	220.8	15.54	240.8	18.14	261.6	20.46	269.2	20.94	280.0	21.50	287.6	21.78
		106.5	204.0	12.85	220.8	15.36	240.8	17.96	261.6	20.26	269.2	20.74	280.0	21.30	287.6	21.50
	113	28.4	188.0	16.23	203.2	18.79	222.0	21.99	240.8	24.69	247.6	25.27	258.0	25.85	264.8	26.32
		35.5	188.0	15.90	203.2	18.50	222.0	21.62	240.8	24.29	247.6	24.85	258.0	24.45	264.8	25.93
		71.0	188.0	14.58	203.2	17.34	222.0	20.14	240.8	22.73	247.6	23.21	258.0	23.85	264.8	24.37
		88.8	188.0	14.18	203.2	16.94	222.0	19.78	240.8	22.29	247.6	22.81	258.0	23.41	264.8	23.73
		106.5	188.0	13.99	203.2	16.74	222.0	19.60	240.8	22.08	247.6	22.62	258.0	23.19	264.8	23.41
100	23	18.7	224.8	4.98	243.2	5.84	264.8	6.75	288.0	7.56	296.8	7.75	308.0	8.01	316.8	8.18
	32	21.0	224.8	4.98	243.2	5.84	264.8	6.75	288.0	7.56	296.8	7.75	308.0	8.01	316.8	8.18
	41	24.1	224.8	4.98	243.2	5.84	264.8	6.75	288.0	7.56	296.8	7.75	308.0	8.01	316.8	8.18
	50	28.4	224.8	4.98	243.2	5.84	264.8	6.75	288.0	7.56	296.8	7.75	308.0	8.01	316.8	8.18
		35.5	224.8	4.88	243.2	5.73	264.8	6.65	288.0	7.45	296.8	7.65	308.0	7.88	316.8	8.04
		71.0	224.8	4.49	243.2	5.30	264.8	6.23	288.0	7.04	296.8	7.23	308.0	7.38	316.8	7.45
		88.8	224.8	4.42	243.2	5.18	264.8	6.11	288.0	6.84	296.8	7.03	308.0	7.23	316.8	7.35
		106.5	224.8	4.39	243.2	5.13	264.8	6.06	288.0	6.74	296.8	6.93	308.0	7.15	316.8	7.29
	59	28.4	224.8	6.76	243.2	7.88	264.8	9.18	288.0	10.31	296.8	10.55	308.0	10.84	316.8	11.05
		35.5	224.8	6.63	243.2	7.75	264.8	9.03	288.0	10.15	296.8	10.39	308.0	10.67	316.8	10.87
		71.0	224.8	6.11	243.2	7.23	264.8	8.43	288.0	9.51	296.8	9.75	308.0	9.99	316.8	10.15
		88.8	224.8	5.95	243.2	7.07	264.8	8.27	288.0	9.31	296.8	9.55	308.0	9.79	316.8	9.91
		106.5	224.8	5.87	243.2	6.99	264.8	8.19	288.0	9.21	296.8	9.45	308.0	9.69	316.8	9.79
	67	28.4	224.8	8.35	243.2	9.70	264.8	11.34	288.0	12.76	296.8	13.04	308.0	13.36	316.8	13.60
		35.5	224.8	8.19	243.2	9.55	264.8	11.15	288.0	12.55	296.8	12.83	308.0	13.15	316.8	13.38
		71.0	224.8	7.55	243.2	8.95	264.8	10.39	288.0	11.71	296.8	11.99	308.0	12.31	316.8	12.55
		88.8	224.8	7.31	243.2	8.75	264.8	10.19	288.0	11.51	296.8	11.79	308.0	12.07	316.8	12.19
		106.5	224.8	7.19	243.2	8.65	264.8	10.09	288.0	11.41	296.8	11.69	308.0	11.95	316.8	12.01
	75	28.4	224.8	10.19	243.2	11.86	264.8	13.81	288.0	15.55	296.8	15.92	308.0	16.27	316.8	16.61
		35.5	224.8	9.99	243.2	11.67	264.8	13.58	288.0	15.30	296.8	15.66	308.0	16.02	316.8	16.34
		71.0	224.8	9.19	243.2	10.91	264.8	12.71	288.0	14.30	296.8	14.62	308.0	15.02	316.8	15.26
		88.8	224.8	8.95	243.2	10.67	264.8	12.43	288.0	14.02	296.8	14.34	308.0	14.74	316.8	14.86
		106.5	224.8	8.83	243.2	10.55	264.8	12.29	288.0	13.88	296.8	14.20	308.0	14.60	316.8	14.66
	86	28.4	224.8	12.56	243.2	14.59	264.8	16.97	288.0	19.13	296.8	19.58	308.0	20.06	316.8	20.43
		35.5	224.8	12.31	243.2	14.34	264.8	16.70	288.0	18.82	296.8	19.26	308.0	19.74	316.8	20.10
		71.0	224.8	11.31	243.2	13.38	264.8	15.62	288.0	17.58	296.8	17.98	308.0	18.46	316.8	18.78
		88.8	224.8	10.99	243.2	13.11	264.8	15.30	288.0	17.22	296.8	17.66	308.0	18.10	316.8	18.30
		106.5	224.8	10.83	243.2	12.97	264.8	15.14	288.0	17.04	296.8	17.50	308.0	17.92	316.8	18.06
	95	28.4	213.6	13.25	231.2	15.40	251.6	17.91	273.6	20.19	282.0	20.67	292.8	21.15	300.8	21.52
		35.5	213.6	12.99	231.2	15.14	251.6	17.62	273.6	19.86	282.0	20.34	292.8	20.82	300.8	21.18
		71.0	213.6	11.95	231.2	14.14	251.6	16.46	273.6	18.54	282.0	19.02	292.8	19.50	300.8	19.82
		88.8	213.6	11.59	231.2	13.86	251.6	16.14	273.6	18.18	282.0	18.66	292.8	19.14	300.8	19.30
		106.5	213.6	11.41	231.2	13.73	251.6	15.98	273.6	18.00	282.0	18.48	292.8	18.96	300.8	19.04
	104	28.4	202.0	14.84	218.8	17.26	238.4	20.10	259.2	22.62	266.8	23.20	277.2	23.76	285.2	24.16
		35.5	202.0	14.54	218.8	16.98	238.4	19.78	259.2	22.25	266.8	22.81	277.2	23.37	285.2	23.77
		71.0	202.0	13.38	218.8	15.86	238.4	18.50	259.2	20.82	266.8	21.30	277.2	21.86	285.2	22.25
		88.8	202.0	13.03	218.8	15.54	238.4	18.10	259.2	20.42	266.8	20.94	277.2	21.46	285.2	21.66
		106.5	202.0	12.85	218.8	15.38	238.4	17.90	259.2	20.22	266.8	20.76	277.2	21.26	285.2	21.36
	113	28.4	190.4	16.42	206.4	19.13	225.2	22.29	244.8	25.05	251.6	25.73	261.6	26.36	269.6	26.79
		35.5	190.4	16.10	206.4	18.82	225.2	21.94	244.8	24.65	251.6	25.29	261.6	25.93	269.6	26.37
		71.0	190.4	14.82	206.4	17.58	225.2	20.54	244.8	23.09	251.6	23.57	261.6	24.21	269.6	24.69
		88.8	190.4	14.46	206.4	17.22	225.2	20.06	244.8	22.65	251.6	23.21	261.6	23.77	269.6	24.01
		106.5	190.4	14.28	206.4	17.04	225.2	19.82	244.8	22.44	251.6	23.03	261.6	23.55	269.6	23.67
90	23	18.7	202.0	4.31	218.8	5.00	238.4	5.76	259.2	6.55	266.8	6.72	277.2	6.92	285.2	7.04
	32	21.0	202.0	4.31	218.8	5.00	238.4	5.76	259.2	6.55	266.8	6.72	277.2	6.92	285.2	7.04
	41	24.1	202.0	4.31	218.8	5.00	238.4	5.76	259.2	6.55	266.8	6.72	277.2	6.92	285.2	7.04
	50	28.4	202.0	4.31	218.8	5.00	238.4	5.76	259.2	6.55	266.8	6.72	277.2	6.92	285.2	7.04
		35.5	202.0	4.23	218.8	4.92	238.4	5.68	259.2	6.46	266.8	6.61	277.2	6.81	285.2	6.92
		71.0	202.0	3.93	218.8	4.61	238.4	5.38	259.2	6.08	266.8	6.19	277.2	6.34	285.2	6.46
		88.8	202.0	3.77	218.8	4.54	238.4	5.22	259.2	5.92	266.8	6.07	277.2	6.23	285.2	6.26
		106.5	202.0	3.69	218.8	4.50	238.4	5.14	259.2	5.84	266.8	6.02	277.2	6.17	285.2	6.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	28.4	202.0	5.82	218.8	6.78	238.4	7.87	259.2	8.89	266.8	9.09	277.2	9.34	285.2	9.50
		35.5	202.0	5.71	218.8	6.67	238.4	7.75	259.2	8.75	266.8	8.95	277.2	9.19	285.2	9.35
		71.0	202.0	5.27	218.8	6.23	238.4	7.27	259.2	8.19	266.8	8.39	277.2	8.59	285.2	8.75
		88.8	202.0	5.11	218.8	6.11	238.4	7.11	259.2	8.03	266.8	8.23	277.2	8.43	285.2	8.51
		106.5	202.0	5.03	218.8	6.05	238.4	7.03	259.2	7.95	266.8	8.15	277.2	8.35	285.2	8.39
	67	28.4	202.0	7.17	218.8	8.37	238.4	9.75	259.2	10.97	266.8	11.20	277.2	11.49	285.2	11.69
		35.5	202.0	7.03	218.8	8.23	238.4	9.59	259.2	10.79	266.8	11.03	277.2	11.31	285.2	11.51
		71.0	202.0	6.47	218.8	7.67	238.4	8.95	259.2	10.07	266.8	10.35	277.2	10.59	285.2	10.79
		88.8	202.0	6.31	218.8	7.51	238.4	8.79	259.2	9.91	266.8	10.15	277.2	10.39	285.2	10.51
		106.5	202.0	6.23	218.8	7.43	238.4	8.71	259.2	9.83	266.8	10.05	277.2	10.29	285.2	10.37
	75	28.4	202.0	8.76	218.8	10.19	238.4	11.86	259.2	13.36	266.8	13.69	277.2	14.01	285.2	14.30
		35.5	202.0	8.59	218.8	10.03	238.4	11.67	259.2	13.15	266.8	13.46	277.2	13.78	285.2	14.06
		71.0	202.0	7.91	218.8	9.39	238.4	10.91	259.2	12.31	266.8	12.59	277.2	12.91	285.2	13.15
		88.8	202.0	7.67	218.8	9.19	238.4	10.71	259.2	12.07	266.8	12.35	277.2	12.67	285.2	12.83
		106.5	202.0	7.55	218.8	9.09	238.4	10.61	259.2	11.95	266.8	12.23	277.2	12.55	285.2	12.67
	86	28.4	202.0	10.81	218.8	12.55	238.4	14.63	259.2	16.44	266.8	16.85	277.2	17.25	285.2	17.58
		35.5	202.0	10.59	218.8	12.35	238.4	14.38	259.2	16.18	266.8	16.58	277.2	16.98	285.2	17.30
		71.0	202.0	9.71	218.8	11.55	238.4	13.42	259.2	15.14	266.8	15.50	277.2	15.90	285.2	16.18
		88.8	202.0	9.47	218.8	11.31	238.4	13.15	259.2	14.82	266.8	15.22	277.2	15.58	285.2	15.74
		106.5	202.0	9.35	218.8	11.19	238.4	13.01	259.2	14.66	266.8	15.08	277.2	15.42	285.2	15.52
	95	28.4	196.4	11.66	212.8	13.52	232.0	15.75	252.0	17.74	259.6	18.15	269.6	18.59	277.2	18.96
		35.5	196.4	11.43	212.8	13.30	232.0	15.50	252.0	17.46	259.6	17.86	269.6	18.30	277.2	18.66
		71.0	196.4	10.51	212.8	12.47	232.0	14.50	252.0	16.34	259.6	16.70	269.6	17.14	277.2	17.46
		88.8	196.4	10.19	212.8	12.19	232.0	14.18	252.0	16.02	259.6	16.42	269.6	16.82	277.2	16.98
		106.5	196.4	10.03	212.8	12.05	232.0	14.02	252.0	15.86	259.6	16.28	269.6	16.66	277.2	16.74
	104	28.4	190.8	13.37	206.8	15.55	225.2	18.11	244.8	20.39	252.0	20.87	262.0	21.40	269.2	21.76
		35.5	190.8	13.11	206.8	15.30	225.2	17.82	244.8	20.06	252.0	20.54	262.0	21.06	269.2	21.42
		71.0	190.8	12.07	206.8	14.30	225.2	16.66	244.8	18.74	252.0	19.22	262.0	19.70	269.2	20.06
		88.8	190.8	11.71	206.8	13.98	225.2	16.30	244.8	18.38	252.0	18.86	262.0	19.34	269.2	19.54
		106.5	190.8	11.53	206.8	13.83	225.2	16.12	244.8	18.20	252.0	18.68	262.0	19.16	269.2	19.28
	113	28.4	185.2	15.08	200.8	17.59	218.4	20.47	237.6	23.04	244.4	23.59	254.4	24.21	261.2	24.56
		35.5	185.2	14.78	200.8	17.30	218.4	20.14	237.6	22.65	244.4	23.21	254.4	23.81	261.2	24.17
		71.0	185.2	13.62	200.8	16.14	218.4	18.82	237.6	21.14	244.4	21.74	254.4	22.25	261.2	22.65
		88.8	185.2	13.22	200.8	15.78	218.4	18.42	237.6	20.74	244.4	21.30	254.4	21.86	261.2	22.09
		106.5	185.2	13.03	200.8	15.60	218.4	18.22	237.6	20.54	244.4	21.08	254.4	21.66	261.2	21.82
80	23	18.7	179.6	3.61	194.8	4.17	212.0	4.89	230.4	5.56	237.2	5.62	246.4	5.84	253.6	5.86
	32	21.0	179.6	3.61	194.8	4.17	212.0	4.89	230.4	5.56	237.2	5.62	246.4	5.84	253.6	5.86
	41	24.1	179.6	3.61	194.8	4.17	212.0	4.89	230.4	5.56	237.2	5.62	246.4	5.84	253.6	5.86
	50	28.4	179.6	3.61	194.8	4.17	212.0	4.89	230.4	5.56	237.2	5.62	246.4	5.84	253.6	5.86
		35.5	179.6	3.54	194.8	4.11	212.0	4.80	230.4	5.46	237.2	5.53	246.4	5.73	253.6	5.76
		71.0	179.6	3.23	194.8	3.89	212.0	4.45	230.4	5.07	237.2	5.19	246.4	5.30	253.6	5.38
		88.8	179.6	3.15	194.8	3.77	212.0	4.38	230.4	4.91	237.2	5.03	246.4	5.23	253.6	5.31
		106.5	179.6	3.11	194.8	3.71	212.0	4.34	230.4	4.83	237.2	4.95	246.4	5.19	253.6	5.27
	59	28.4	179.6	4.90	194.8	5.68	212.0	6.62	230.4	7.47	237.2	7.63	246.4	7.84	253.6	7.96
		35.5	179.6	4.79	194.8	5.59	212.0	6.51	230.4	7.35	237.2	7.51	246.4	7.71	253.6	7.83
		71.0	179.6	4.40	194.8	5.23	212.0	6.07	230.4	6.87	237.2	7.03	246.4	7.19	253.6	7.31
		88.8	179.6	4.28	194.8	5.11	212.0	5.95	230.4	6.71	237.2	6.87	246.4	7.07	253.6	7.15
		106.5	179.6	4.22	194.8	5.05	212.0	5.89	230.4	6.63	237.2	6.79	246.4	7.01	253.6	7.07
	67	28.4	179.6	6.03	194.8	7.03	212.0	8.16	230.4	9.17	237.2	9.42	246.4	9.62	253.6	9.83
		35.5	179.6	5.91	194.8	6.91	212.0	8.03	230.4	9.03	237.2	9.27	246.4	9.47	253.6	9.67
		71.0	179.6	5.43	194.8	6.43	212.0	7.51	230.4	8.47	237.2	8.67	246.4	8.87	253.6	9.03
		88.8	179.6	5.27	194.8	6.31	212.0	7.35	230.4	8.31	237.2	8.51	246.4	8.71	253.6	8.79
		106.5	179.6	5.19	194.8	6.25	212.0	7.27	230.4	8.23	237.2	8.43	246.4	8.63	253.6	8.67
	75	28.4	179.6	7.33	194.8	8.52	212.0	9.95	230.4	11.21	237.2	11.50	246.4	11.78	253.6	11.98
		35.5	179.6	7.19	194.8	8.39	212.0	9.79	230.4	11.03	237.2	11.31	246.4	11.59	253.6	11.79
		71.0	179.6	6.63	194.8	7.87	212.0	9.15	230.4	10.31	237.2	10.55	246.4	10.83	253.6	11.03
		88.8	179.6	6.43	194.8	7.71	212.0	8.99	230.4	10.11	237.2	10.35	246.4	10.63	253.6	10.75
		106.5	179.6	6.33	194.8	7.63	212.0	8.91	230.4	10.01	237.2	10.25	246.4	10.53	253.6	10.61

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	28.4	179.6	9.05	194.8	10.52	212.0	12.27	230.4	13.82	237.2	14.14	246.4	14.46	253.6	14.75
		35.5	179.6	8.87	194.8	10.35	212.0	12.07	230.4	13.58	237.2	13.90	246.4	14.22	253.6	14.50
		71.0	179.6	8.15	194.8	9.67	212.0	11.27	230.4	12.67	237.2	12.99	246.4	13.30	253.6	13.54
		88.8	179.6	7.91	194.8	9.47	212.0	11.03	230.4	12.43	237.2	12.75	246.4	13.07	253.6	13.19
		106.5	179.6	7.79	194.8	9.37	212.0	10.91	230.4	12.31	237.2	12.63	246.4	12.95	253.6	13.01
	95	28.4	179.6	10.07	194.8	11.70	212.0	13.61	230.4	15.31	237.2	15.67	246.4	16.08	253.6	16.36
		35.5	179.6	9.87	194.8	11.51	212.0	13.38	230.4	15.06	237.2	15.42	246.4	15.82	253.6	16.10
		71.0	179.6	9.07	194.8	10.75	212.0	12.51	230.4	14.10	237.2	14.42	246.4	14.78	253.6	15.06
		88.8	179.6	8.83	194.8	10.51	212.0	12.27	230.4	13.82	237.2	14.14	246.4	14.54	253.6	14.66
		106.5	179.6	8.71	194.8	10.39	212.0	12.15	230.4	13.69	237.2	14.00	246.4	14.42	253.6	14.46
	104	28.4	179.6	11.90	194.8	13.86	212.0	16.12	230.4	18.15	237.2	18.55	246.4	19.04	253.6	19.36
		35.5	179.6	11.67	194.8	13.62	212.0	15.86	230.4	17.86	237.2	18.26	246.4	18.74	253.6	19.06
		71.0	179.6	10.75	194.8	12.71	212.0	14.82	230.4	16.70	237.2	17.10	246.4	17.54	253.6	17.86
		88.8	179.6	10.43	194.8	12.47	212.0	14.50	230.4	16.38	237.2	16.78	246.4	17.18	253.6	17.38
		106.5	179.6	10.27	194.8	12.35	212.0	14.34	230.4	16.22	237.2	16.62	246.4	17.00	253.6	17.14
	113	28.4	179.6	13.73	194.8	16.01	212.0	18.64	230.4	21.00	237.2	21.43	246.4	22.00	253.6	22.36
		35.5	179.6	13.46	194.8	15.74	212.0	18.34	230.4	20.66	237.2	21.10	246.4	21.66	253.6	22.01
		71.0	179.6	12.43	194.8	14.66	212.0	17.14	230.4	19.30	237.2	19.78	246.4	20.30	253.6	20.66
		88.8	179.6	12.03	194.8	14.42	212.0	16.74	230.4	18.94	237.2	19.42	246.4	19.82	253.6	20.10
		106.5	179.6	11.83	194.8	14.30	212.0	16.54	230.4	18.76	237.2	19.24	246.4	19.58	253.6	19.82
70	23	18.7	157.2	3.02	170.4	3.47	185.6	4.11	201.6	4.62	207.6	4.64	215.6	4.81	221.6	4.87
	32	21.0	157.2	3.02	170.4	3.47	185.6	4.11	201.6	4.62	207.6	4.64	215.6	4.81	221.6	4.87
	41	24.1	157.2	3.02	170.4	3.47	185.6	4.11	201.6	4.62	207.6	4.64	215.6	4.81	221.6	4.87
	50	28.4	157.2	3.02	170.4	3.47	185.6	4.11	201.6	4.62	207.6	4.64	215.6	4.81	221.6	4.87
		35.5	157.2	2.96	170.4	3.42	185.6	4.04	201.6	4.54	207.6	4.57	215.6	4.73	221.6	4.80
		71.0	157.2	2.73	170.4	3.23	185.6	3.77	201.6	4.23	207.6	4.31	215.6	4.42	221.6	4.54
		88.8	157.2	2.61	170.4	3.11	185.6	3.65	201.6	4.11	207.6	4.19	215.6	4.35	221.6	4.42
		106.5	157.2	2.55	170.4	3.05	185.6	3.59	201.6	4.05	207.6	4.13	215.6	4.31	221.6	4.37
	59	28.4	157.2	4.08	170.4	4.71	185.6	5.52	201.6	6.21	207.6	6.33	215.6	6.49	221.6	6.61
		35.5	157.2	4.00	170.4	4.63	185.6	5.43	201.6	6.11	207.6	6.23	215.6	6.39	221.6	6.51
		71.0	157.2	3.68	170.4	4.36	185.6	5.07	201.6	5.71	207.6	5.83	215.6	5.99	221.6	6.11
		88.8	157.2	3.56	170.4	4.24	185.6	4.95	201.6	5.59	207.6	5.71	215.6	5.87	221.6	5.95
		106.5	157.2	3.50	170.4	4.18	185.6	4.89	201.6	5.53	207.6	5.65	215.6	5.81	221.6	5.87
	67	28.4	157.2	5.02	170.4	5.80	185.6	6.78	201.6	7.63	207.6	7.84	215.6	7.99	221.6	8.16
		35.5	157.2	4.91	170.4	5.71	185.6	6.67	201.6	7.51	207.6	7.71	215.6	7.87	221.6	8.03
		71.0	157.2	4.51	170.4	5.35	185.6	6.23	201.6	7.03	207.6	7.19	215.6	7.39	221.6	7.51
		88.8	157.2	4.40	170.4	5.23	185.6	6.11	201.6	6.91	207.6	7.07	215.6	7.23	221.6	7.31
		106.5	157.2	4.34	170.4	5.17	185.6	6.05	201.6	6.85	207.6	7.01	215.6	7.15	221.6	7.21
	75	28.4	157.2	6.11	170.4	7.10	185.6	8.28	201.6	9.34	207.6	9.54	215.6	9.79	221.6	9.95
		35.5	157.2	5.99	170.4	6.99	185.6	8.15	201.6	9.19	207.6	9.39	215.6	9.63	221.6	9.79
		71.0	157.2	5.51	170.4	6.55	185.6	7.63	201.6	8.59	207.6	8.79	215.6	8.99	221.6	9.15
		88.8	157.2	5.35	170.4	6.39	185.6	7.47	201.6	8.39	207.6	8.63	215.6	8.83	221.6	8.91
		106.5	157.2	5.27	170.4	6.31	185.6	7.39	201.6	8.29	207.6	8.55	215.6	8.75	221.6	8.79
	86	28.4	157.2	7.54	170.4	8.73	185.6	10.20	201.6	11.45	207.6	11.74	215.6	12.02	221.6	12.22
		35.5	157.2	7.39	170.4	8.59	185.6	10.03	201.6	11.27	207.6	11.55	215.6	11.83	221.6	12.03
		71.0	157.2	6.79	170.4	8.03	185.6	9.35	201.6	10.55	207.6	10.79	215.6	11.07	221.6	11.27
		88.8	157.2	6.59	170.4	7.87	185.6	9.19	201.6	10.35	207.6	10.59	215.6	10.87	221.6	10.99
		106.5	157.2	6.49	170.4	7.79	185.6	9.11	201.6	10.25	207.6	10.49	215.6	10.77	221.6	10.85
	95	28.4	157.2	8.35	170.4	9.70	185.6	11.34	201.6	12.76	207.6	13.04	215.6	13.36	221.6	13.60
		35.5	157.2	8.19	170.4	9.55	185.6	11.15	201.6	12.55	207.6	12.83	215.6	13.15	221.6	13.38
		71.0	157.2	7.55	170.4	8.95	185.6	10.39	201.6	11.71	207.6	11.99	215.6	12.31	221.6	12.55
		88.8	157.2	7.31	170.4	8.75	185.6	10.19	201.6	11.51	207.6	11.79	215.6	12.07	221.6	12.19
		106.5	157.2	7.19	170.4	8.65	185.6	10.09	201.6	11.41	207.6	11.69	215.6	11.95	221.6	12.01
	104	28.4	157.2	9.91	170.4	11.49	185.6	13.41	201.6	15.07	207.6	15.42	215.6	15.83	221.6	16.12
		35.5	157.2	9.71	170.4	11.31	185.6	13.19	201.6	14.82	207.6	15.18	215.6	15.58	221.6	15.86
		71.0	157.2	8.91	170.4	10.59	185.6	12.31	201.6	13.86	207.6	14.22	215.6	14.58	221.6	14.82
		88.8	157.2	8.67	170.4	10.35	185.6	12.07	201.6	13.62	207.6	13.94	215.6	14.30	221.6	14.46
		106.5	157.2	8.55	170.4	10.23	185.6	11.95	201.6	13.51	207.6	13.80	215.6	14.16	221.6	14.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	28.4	157.2	11.47	170.4	13.28	185.6	15.47	201.6	17.37	207.6	17.81	215.6	18.31	221.6	18.65
		35.5	157.2	11.23	170.4	13.07	185.6	15.22	201.6	17.10	207.6	17.54	215.6	18.02	221.6	18.34
		71.0	157.2	10.27	170.4	12.23	185.6	14.22	201.6	16.02	207.6	16.46	215.6	16.86	221.6	17.10
		88.8	157.2	10.03	170.4	11.95	185.6	13.94	201.6	15.74	207.6	16.10	215.6	16.54	221.6	16.74
		106.5	157.2	9.91	170.4	11.81	185.6	13.80	201.6	15.60	207.6	15.92	215.6	16.38	221.6	16.56
60	23	18.7	134.8	2.45	146.0	2.82	158.8	3.25	172.8	3.67	178.0	3.77	184.8	3.89	190.0	3.90
	32	21.0	134.8	2.45	146.0	2.82	158.8	3.25	172.8	3.67	178.0	3.77	184.8	3.89	190.0	3.90
	41	24.1	134.8	2.45	146.0	2.82	158.8	3.25	172.8	3.67	178.0	3.77	184.8	3.89	190.0	3.90
	50	28.4	134.8	2.45	146.0	2.82	158.8	3.25	172.8	3.67	178.0	3.77	184.8	3.89	190.0	3.90
		35.5	134.8	2.39	146.0	2.77	158.8	3.19	172.8	3.62	178.0	3.69	184.8	3.81	190.0	3.85
		71.0	134.8	2.15	146.0	2.58	158.8	2.96	172.8	3.39	178.0	3.38	184.8	3.50	190.0	3.62
		88.8	134.8	2.07	146.0	2.50	158.8	2.92	172.8	3.31	178.0	3.34	184.8	3.42	190.0	3.46
		106.5	134.8	2.03	146.0	2.46	158.8	2.90	172.8	3.27	178.0	3.32	184.8	3.38	190.0	3.38
	59	28.4	134.8	3.27	146.0	3.78	158.8	4.39	172.8	4.96	178.0	5.09	184.8	5.21	190.0	5.27
		35.5	134.8	3.20	146.0	3.72	158.8	4.32	172.8	4.87	178.0	4.99	184.8	5.11	190.0	5.19
		71.0	134.8	2.92	146.0	3.48	158.8	4.04	172.8	4.55	178.0	4.63	184.8	4.75	190.0	4.87
		88.8	134.8	2.84	146.0	3.40	158.8	3.96	172.8	4.47	178.0	4.55	184.8	4.67	190.0	4.71
		106.5	134.8	2.80	146.0	3.36	158.8	3.92	172.8	4.44	178.0	4.52	184.8	4.63	190.0	4.64
	67	28.4	134.8	4.00	146.0	4.63	158.8	5.39	172.8	6.09	178.0	6.25	184.8	6.37	190.0	6.49
		35.5	134.8	3.92	146.0	4.55	158.8	5.31	172.8	5.99	178.0	6.15	184.8	6.27	190.0	6.39
		71.0	134.8	3.60	146.0	4.28	158.8	4.99	172.8	5.59	178.0	5.75	184.8	5.87	190.0	5.99
		88.8	134.8	3.52	146.0	4.20	158.8	4.87	172.8	5.51	178.0	5.63	184.8	5.79	190.0	5.83
		106.5	134.8	3.48	146.0	4.16	158.8	4.81	172.8	5.47	178.0	5.57	184.8	5.75	190.0	5.75
	75	28.4	134.8	4.90	146.0	5.64	158.8	6.57	172.8	7.43	178.0	7.59	184.8	7.79	190.0	7.91
		35.5	134.8	4.79	146.0	5.55	158.8	6.47	172.8	7.31	178.0	7.47	184.8	7.67	190.0	7.79
		71.0	134.8	4.40	146.0	5.19	158.8	6.07	172.8	6.83	178.0	6.99	184.8	7.19	190.0	7.31
		88.8	134.8	4.28	146.0	5.11	158.8	5.95	172.8	6.71	178.0	6.87	184.8	7.03	190.0	7.11
		106.5	134.8	4.22	146.0	5.07	158.8	5.89	172.8	6.65	178.0	6.81	184.8	6.95	190.0	7.01
	86	28.4	134.8	5.99	146.0	6.99	158.8	8.12	172.8	9.14	178.0	9.34	184.8	9.58	190.0	9.74
		35.5	134.8	5.87	146.0	6.87	158.8	7.99	172.8	8.99	178.0	9.19	184.8	9.43	190.0	9.59
		71.0	134.8	5.39	146.0	6.39	158.8	7.47	172.8	8.39	178.0	8.59	184.8	8.83	190.0	8.99
		88.8	134.8	5.27	146.0	6.27	158.8	7.31	172.8	8.23	178.0	8.43	184.8	8.67	190.0	8.75
		106.5	134.8	5.21	146.0	6.21	158.8	7.23	172.8	8.15	178.0	8.35	184.8	8.59	190.0	8.63
	95	28.4	134.8	6.64	146.0	7.76	158.8	9.01	172.8	10.15	178.0	10.40	184.8	10.63	190.0	10.84
		35.5	134.8	6.51	146.0	7.63	158.8	8.87	172.8	9.99	178.0	10.23	184.8	10.47	190.0	10.67
		71.0	134.8	5.99	146.0	7.11	158.8	8.31	172.8	9.35	178.0	9.55	184.8	9.83	190.0	9.99
		88.8	134.8	5.83	146.0	6.95	158.8	8.11	172.8	9.15	178.0	9.39	184.8	9.63	190.0	9.71
		106.5	134.8	5.75	146.0	6.87	158.8	8.01	172.8	9.05	178.0	9.31	184.8	9.53	190.0	9.57
	104	28.4	134.8	7.91	146.0	9.18	158.8	10.68	172.8	12.02	178.0	12.31	184.8	12.63	190.0	12.83
		35.5	134.8	7.75	146.0	9.03	158.8	10.51	172.8	11.83	178.0	12.11	184.8	12.43	190.0	12.63
		71.0	134.8	7.11	146.0	8.43	158.8	9.83	172.8	11.07	178.0	11.31	184.8	11.63	190.0	11.83
		88.8	134.8	6.91	146.0	8.27	158.8	9.63	172.8	10.83	178.0	11.11	184.8	11.39	190.0	11.51
		106.5	134.8	6.81	146.0	8.19	158.8	9.53	172.8	10.71	178.0	11.01	184.8	11.27	190.0	11.35
	113	28.4	134.8	9.18	146.0	10.60	158.8	12.35	172.8	13.89	178.0	14.22	184.8	14.63	190.0	14.82
		35.5	134.8	8.99	146.0	10.43	158.8	12.15	172.8	13.66	178.0	13.98	184.8	14.38	190.0	14.58
		71.0	134.8	8.23	146.0	9.75	158.8	11.35	172.8	12.79	178.0	13.07	184.8	13.42	190.0	13.66
		88.8	134.8	7.99	146.0	9.59	158.8	11.15	172.8	12.51	178.0	12.83	184.8	13.15	190.0	13.30
		106.5	134.8	7.87	146.0	9.51	158.8	11.05	172.8	12.37	178.0	12.71	184.8	13.01	190.0	13.13
50	23	18.7	112.4	1.75	121.6	2.07	132.4	2.49	144.0	2.74	148.4	2.76	154.0	2.86	158.4	2.94
	32	21.0	112.4	1.75	121.6	2.07	132.4	2.49	144.0	2.74	148.4	2.76	154.0	2.86	158.4	2.94
	41	24.1	112.4	1.75	121.6	2.07	132.4	2.49	144.0	2.74	148.4	2.76	154.0	2.86	158.4	2.94
	50	28.4	112.4	1.75	121.6	2.07	132.4	2.49	144.0	2.74	148.4	2.76	154.0	2.86	158.4	2.94
		35.5	112.4	1.73	121.6	2.04	132.4	2.43	144.0	2.69	148.4	2.73	154.0	2.81	158.4	2.89
		71.0	112.4	1.66	121.6	1.92	132.4	2.19	144.0	2.50	148.4	2.58	154.0	2.61	158.4	2.69
		88.8	112.4	1.58	121.6	1.84	132.4	2.19	144.0	2.42	148.4	2.50	154.0	2.53	158.4	2.57
		106.5	112.4	1.54	121.6	1.80	132.4	2.19	144.0	2.38	148.4	2.46	154.0	2.49	158.4	2.51
	59	28.4	112.4	2.40	121.6	2.80	132.4	3.30	144.0	3.70	148.4	3.78	154.0	3.86	158.4	3.94
		35.5	112.4	2.36	121.6	2.76	132.4	3.24	144.0	3.64	148.4	3.72	154.0	3.80	158.4	3.88
		71.0	112.4	2.20	121.6	2.60	132.4	3.00	144.0	3.40	148.4	3.48	154.0	3.56	158.4	3.64
		88.8	112.4	2.12	121.6	2.52	132.4	2.96	144.0	3.32	148.4	3.40	154.0	3.48	158.4	3.52
		106.5	112.4	2.08	121.6	2.48	132.4	2.94	144.0	3.28	148.4	3.36	154.0	3.44	158.4	3.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
59	67	28.4	112.4	2.98	121.6	3.45	132.4	4.02	144.0	4.55	148.4	4.68	154.0	4.75	158.4	4.83
		35.5	112.4	2.92	121.6	3.40	132.4	3.96	144.0	4.47	148.4	4.59	154.0	4.67	158.4	4.75
		71.0	112.4	2.68	121.6	3.20	132.4	3.72	144.0	4.20	148.4	4.28	154.0	4.40	158.4	4.47
		88.8	112.4	2.60	121.6	3.12	132.4	3.64	144.0	4.12	148.4	4.20	154.0	4.32	158.4	4.36
		106.5	112.4	2.56	121.6	3.08	132.4	3.60	144.0	4.08	148.4	4.16	154.0	4.28	158.4	4.30
	75	28.4	112.4	3.63	121.6	4.23	132.4	4.92	144.0	5.51	148.4	5.68	154.0	5.80	158.4	5.93
		35.5	112.4	3.56	121.6	4.16	132.4	4.83	144.0	5.43	148.4	5.59	154.0	5.71	158.4	5.83
		71.0	112.4	3.28	121.6	3.88	132.4	4.51	144.0	5.11	148.4	5.23	154.0	5.35	158.4	5.43
		88.8	112.4	3.20	121.6	3.80	132.4	4.43	144.0	4.99	148.4	5.11	154.0	5.23	158.4	5.31
		106.5	112.4	3.16	121.6	3.76	132.4	4.40	144.0	4.93	148.4	5.05	154.0	5.17	158.4	5.25
	86	28.4	112.4	4.49	121.6	5.19	132.4	6.05	144.0	6.82	148.4	6.98	154.0	7.14	158.4	7.26
		35.5	112.4	4.40	121.6	5.11	132.4	5.95	144.0	6.71	148.4	6.87	154.0	7.03	158.4	7.15
		71.0	112.4	4.04	121.6	4.79	132.4	5.55	144.0	6.27	148.4	6.43	154.0	6.59	158.4	6.71
		88.8	112.4	3.92	121.6	4.67	132.4	5.43	144.0	6.15	148.4	6.31	154.0	6.47	158.4	6.51
		106.5	112.4	3.86	121.6	4.62	132.4	5.37	144.0	6.09	148.4	6.25	154.0	6.41	158.4	6.41
	95	28.4	112.4	4.98	121.6	5.76	132.4	6.74	144.0	7.55	148.4	7.76	154.0	7.96	158.4	8.08
		35.5	112.4	4.87	121.6	5.67	132.4	6.63	144.0	7.43	148.4	7.63	154.0	7.83	158.4	7.95
		71.0	112.4	4.47	121.6	5.31	132.4	6.19	144.0	6.95	148.4	7.11	154.0	7.31	158.4	7.43
		88.8	112.4	4.36	121.6	5.19	132.4	6.07	144.0	6.83	148.4	6.99	154.0	7.19	158.4	7.23
		106.5	112.4	4.30	121.6	5.13	132.4	6.01	144.0	6.77	148.4	6.93	154.0	7.13	158.4	7.13
	104	28.4	112.4	5.86	121.6	6.82	132.4	7.96	144.0	8.98	148.4	9.18	154.0	9.42	158.4	9.58
		35.5	112.4	5.75	121.6	6.71	132.4	7.83	144.0	8.83	148.4	9.03	154.0	9.27	158.4	9.43
		71.0	112.4	5.31	121.6	6.27	132.4	7.31	144.0	8.23	148.4	8.43	154.0	8.67	158.4	8.83
		88.8	112.4	5.15	121.6	6.15	132.4	7.19	144.0	8.07	148.4	8.27	154.0	8.51	158.4	8.59
		106.5	112.4	5.07	121.6	6.09	132.4	7.13	144.0	7.99	148.4	8.19	154.0	8.43	158.4	8.47
	113	28.4	112.4	6.75	121.6	7.88	132.4	9.18	144.0	10.41	148.4	10.60	154.0	10.88	158.4	11.08
		35.5	112.4	6.63	121.6	7.75	132.4	9.03	144.0	10.23	148.4	10.43	154.0	10.71	158.4	10.91
		71.0	112.4	6.15	121.6	7.23	132.4	8.43	144.0	9.51	148.4	9.75	154.0	10.03	158.4	10.23
		88.8	112.4	5.95	121.6	7.11	132.4	8.31	144.0	9.31	148.4	9.55	154.0	9.83	158.4	9.95
		106.5	112.4	5.85	121.6	7.05	132.4	8.25	144.0	9.21	148.4	9.45	154.0	9.73	158.4	9.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	24.1	334.1	7.21	362.1	8.44	395.3	9.83	428.8	11.08	441.3	11.40	458.8	11.60	471.3	11.71
	32	27.0	334.1	7.21	362.1	8.44	395.3	9.83	428.8	11.08	441.3	11.40	458.8	11.60	471.3	11.71
	41	31.0	334.1	7.21	362.1	8.44	395.3	9.83	428.8	11.08	441.3	11.40	458.8	11.60	471.3	11.71
	50	36.5	334.1	7.21	362.1	8.44	395.3	9.83	428.8	11.08	441.3	11.40	458.8	11.60	471.3	11.71
		45.7	334.1	7.08	362.1	8.31	395.3	9.68	428.8	10.90	441.3	11.19	458.8	11.42	471.3	11.56
		91.3	334.1	6.56	362.1	7.79	395.3	9.07	428.8	10.20	441.3	10.38	458.8	10.71	471.3	10.95
		114.1	334.1	6.37	362.1	7.60	395.3	8.88	428.8	9.96	441.3	10.24	458.8	10.48	471.3	10.67
		137.0	334.1	6.28	362.1	7.51	395.3	8.78	428.8	9.84	441.3	10.18	458.8	10.36	471.3	10.52
	59	36.5	329.0	9.51	356.5	11.06	388.5	12.91	422.0	14.54	434.5	14.90	451.5	15.23	464.0	15.46
		45.7	329.0	9.33	356.5	10.89	388.5	12.70	422.0	14.31	434.5	14.65	451.5	14.99	464.0	15.24
		91.3	329.0	8.60	356.5	10.21	388.5	11.87	422.0	13.38	434.5	13.68	451.5	14.07	464.0	14.36
		114.1	329.0	8.35	356.5	9.96	388.5	11.62	422.0	13.09	434.5	13.43	451.5	13.77	464.0	14.02
		137.0	329.0	8.23	356.5	9.84	388.5	11.50	422.0	12.94	434.5	13.31	451.5	13.63	464.0	13.85
	67	36.5	324.5	11.57	351.5	13.40	382.5	15.64	416.0	17.62	428.5	18.01	445.0	18.45	457.5	18.79
		45.7	324.5	11.33	351.5	13.19	382.5	15.38	416.0	17.34	428.5	17.73	445.0	18.17	457.5	18.51
		91.3	324.5	10.40	351.5	12.36	382.5	14.36	416.0	16.22	428.5	16.61	445.0	17.05	457.5	17.39
		114.1	324.5	10.11	351.5	12.06	382.5	14.07	416.0	15.87	428.5	16.26	445.0	16.70	457.5	17.00
		137.0	324.5	9.96	351.5	11.92	382.5	13.92	416.0	15.70	428.5	16.09	445.0	16.53	457.5	16.80
	75	36.5	324.5	14.25	351.5	16.52	382.5	19.26	416.0	21.69	428.5	22.24	445.0	22.78	457.5	23.15
		45.7	324.5	13.97	351.5	16.26	382.5	18.95	416.0	21.34	428.5	21.88	445.0	22.42	457.5	22.81
		91.3	324.5	12.85	351.5	15.24	382.5	17.73	416.0	19.98	428.5	20.46	445.0	21.00	457.5	21.44
		114.1	324.5	12.50	351.5	14.90	382.5	17.39	416.0	19.59	428.5	20.07	445.0	20.61	457.5	20.95
		137.0	324.5	12.33	351.5	14.73	382.5	17.22	416.0	19.39	428.5	19.88	445.0	20.42	457.5	20.71
	86	36.5	324.5	17.10	351.5	19.86	382.5	23.13	416.0	26.06	428.5	26.65	445.0	27.34	457.5	27.76
		45.7	324.5	16.75	351.5	19.54	382.5	22.76	416.0	25.64	428.5	26.23	445.0	26.91	457.5	27.35
		91.3	324.5	15.38	351.5	18.27	382.5	21.29	416.0	23.98	428.5	24.57	445.0	25.20	457.5	25.74
		114.1	324.5	14.99	351.5	17.88	382.5	20.86	416.0	23.49	428.5	24.13	445.0	24.71	457.5	25.15
		137.0	324.5	14.80	351.5	17.68	382.5	20.64	416.0	23.25	428.5	23.91	445.0	24.47	457.5	24.86
	95	36.5	292.0	17.29	316.0	20.11	344.5	23.37	374.5	26.37	385.5	26.94	400.5	27.64	411.5	28.12
		45.7	292.0	16.95	316.0	19.78	344.5	23.00	374.5	25.93	385.5	26.52	400.5	27.20	411.5	27.69
		91.3	292.0	15.58	316.0	18.46	344.5	21.54	374.5	24.23	385.5	24.86	400.5	25.49	411.5	25.98
		114.1	292.0	15.14	316.0	18.07	344.5	21.10	374.5	23.74	385.5	24.37	400.5	25.01	411.5	25.45
		137.0	292.0	14.92	316.0	17.88	344.5	20.88	374.5	23.49	385.5	24.13	400.5	24.76	411.5	25.18
	104	36.5	259.5	18.25	281.0	21.20	306.0	24.67	332.5	27.81	342.5	28.44	356.0	29.11	366.0	29.65
		45.7	259.5	17.88	281.0	20.86	306.0	24.27	332.5	27.35	342.5	27.99	356.0	28.67	366.0	29.21
		91.3	259.5	16.41	281.0	19.49	306.0	22.71	332.5	25.54	342.5	26.18	356.0	26.91	366.0	27.45
		114.1	259.5	15.97	281.0	19.05	306.0	22.22	332.5	25.06	342.5	25.69	356.0	26.37	366.0	26.81
		137.0	259.5	15.75	281.0	18.83	306.0	21.98	332.5	24.81	342.5	25.45	356.0	26.11	366.0	26.50
	113	36.5	227.0	19.20	246.0	22.29	267.5	25.96	290.5	29.25	299.5	29.94	311.5	30.59	320.5	31.18
		45.7	227.0	18.80	246.0	21.93	267.5	25.54	290.5	28.77	299.5	29.45	311.5	30.13	320.5	30.72
		91.3	227.0	17.24	246.0	20.51	267.5	23.88	290.5	26.86	299.5	27.50	311.5	28.33	320.5	28.91
		114.1	227.0	16.80	246.0	20.02	267.5	23.35	290.5	26.37	299.5	27.01	311.5	27.74	320.5	28.18
		137.0	227.0	16.58	246.0	19.78	267.5	23.08	290.5	26.13	299.5	26.77	311.5	27.45	320.5	27.82
120	23	24.1	316.4	6.88	342.9	7.95	372.9	9.36	406.0	10.49	418.6	10.80	434.6	11.02	446.6	11.22
	32	27.0	316.4	6.88	342.9	7.95	372.9	9.36	406.0	10.49	418.6	10.80	434.6	11.02	446.6	11.22
	41	31.0	316.4	6.88	342.9	7.95	372.9	9.36	406.0	10.49	418.6	10.80	434.6	11.02	446.6	11.22
	50	36.5	316.4	6.88	342.9	7.95	372.9	9.36	406.0	10.49	418.6	10.80	434.6	11.02	446.6	11.22
		45.7	316.4	6.74	342.9	7.82	372.9	9.19	406.0	10.32	418.6	10.61	434.6	10.84	446.6	11.03
		91.3	316.4	6.17	342.9	7.30	372.9	8.53	406.0	9.66	418.6	9.85	434.6	10.13	446.6	10.27
		114.1	316.4	6.09	342.9	7.16	372.9	8.44	406.0	9.48	418.6	9.66	434.6	9.95	446.6	10.09
		137.0	316.4	6.04	342.9	7.09	372.9	8.40	406.0	9.38	418.6	9.56	434.6	9.85	446.6	9.99
	59	36.5	313.0	9.12	339.0	10.58	369.0	12.37	401.5	13.90	413.5	14.25	429.5	14.59	441.5	14.84
		45.7	313.0	8.94	339.0	10.40	369.0	12.16	401.5	13.68	413.5	14.02	429.5	14.36	441.5	14.60
		91.3	313.0	8.21	339.0	9.72	369.0	11.33	401.5	12.80	413.5	13.09	429.5	13.43	441.5	13.68
		114.1	313.0	8.01	339.0	9.52	369.0	11.14	401.5	12.55	413.5	12.85	429.5	13.19	441.5	13.38
		137.0	313.0	7.91	339.0	9.43	369.0	11.04	401.5	12.43	413.5	12.72	429.5	13.07	441.5	13.24
	67	36.5	310.0	11.11	335.5	12.91	365.5	15.05	397.5	16.93	409.0	17.32	425.0	17.77	437.0	18.05
		45.7	310.0	10.89	335.5	12.70	365.5	14.80	397.5	16.65	409.0	17.05	425.0	17.49	437.0	17.78
		91.3	310.0	10.01	335.5	11.87	365.5	13.82	397.5	15.58	409.0	15.97	425.0	16.36	437.0	16.70
		114.1	310.0	9.72	335.5	11.62	365.5	13.53	397.5	15.29	409.0	15.68	425.0	16.07	437.0	16.31
		137.0	310.0	9.57	335.5	11.50	365.5	13.38	397.5	15.14	409.0	15.53	425.0	15.92	437.0	16.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	36.5	310.0	13.65	335.5	15.83	365.5	18.46	397.5	20.80	409.0	21.30	425.0	21.84	437.0	22.23
		45.7	310.0	13.38	335.5	15.58	365.5	18.17	397.5	20.46	409.0	20.95	425.0	21.49	437.0	21.88
		91.3	310.0	12.31	335.5	14.60	365.5	17.00	397.5	19.15	409.0	19.59	425.0	20.12	437.0	20.51
		114.1	310.0	11.97	335.5	14.26	365.5	16.65	397.5	18.75	409.0	19.24	425.0	19.73	437.0	20.02
		137.0	310.0	11.80	335.5	14.09	365.5	16.48	397.5	18.56	409.0	19.07	425.0	19.54	437.0	19.78
	86	36.5	310.0	16.49	335.5	19.16	365.5	22.34	397.5	25.17	409.0	25.77	425.0	26.40	437.0	26.83
		45.7	310.0	16.17	335.5	18.85	365.5	21.98	397.5	24.76	409.0	25.35	425.0	25.98	437.0	26.42
		91.3	310.0	14.90	335.5	17.63	365.5	20.56	397.5	23.15	409.0	23.69	425.0	24.32	437.0	24.81
		114.1	310.0	14.46	335.5	17.24	365.5	20.12	397.5	22.66	409.0	23.25	425.0	23.88	437.0	24.23
		137.0	310.0	14.24	335.5	17.05	365.5	19.90	397.5	22.42	409.0	23.03	425.0	23.66	437.0	23.93
	95	36.5	283.5	16.89	307.0	19.66	334.5	22.89	363.5	25.76	374.5	26.40	389.0	27.04	400.0	27.54
		45.7	283.5	16.56	307.0	19.34	334.5	22.52	363.5	25.35	374.5	25.98	389.0	26.62	400.0	27.11
		91.3	283.5	15.24	307.0	18.07	334.5	21.05	363.5	23.74	374.5	24.32	389.0	24.96	400.0	25.40
		114.1	283.5	14.85	307.0	17.68	334.5	20.61	363.5	23.25	374.5	23.83	389.0	24.47	400.0	24.81
		137.0	283.5	14.65	307.0	17.49	334.5	20.39	363.5	23.01	374.5	23.59	389.0	24.23	400.0	24.52
	104	36.5	257.5	18.18	278.5	21.15	303.5	24.62	330.0	27.75	339.5	28.39	353.0	29.08	363.0	29.61
		45.7	257.5	17.83	278.5	20.81	303.5	24.23	330.0	27.30	339.5	27.94	353.0	28.62	363.0	29.16
		91.3	257.5	16.41	278.5	19.44	303.5	22.66	330.0	25.54	339.5	26.13	353.0	26.81	363.0	27.35
		114.1	257.5	15.97	278.5	19.05	303.5	22.22	330.0	25.01	339.5	25.64	353.0	26.33	363.0	26.72
		137.0	257.5	15.75	278.5	18.85	303.5	22.00	330.0	24.74	339.5	25.40	353.0	26.08	363.0	26.40
	113	36.5	231.5	19.48	250.0	22.64	272.5	26.35	296.5	29.74	304.5	30.38	317.0	31.12	326.0	31.69
		45.7	231.5	19.10	250.0	22.27	272.5	25.93	296.5	29.26	304.5	29.89	317.0	30.62	326.0	31.21
		91.3	231.5	17.58	250.0	20.81	272.5	24.27	296.5	27.35	304.5	27.94	317.0	28.67	326.0	29.30
		114.1	231.5	17.09	250.0	20.42	272.5	23.83	296.5	26.76	304.5	27.45	317.0	28.18	326.0	28.62
		137.0	231.5	16.85	250.0	20.22	272.5	23.62	296.5	26.47	304.5	27.21	317.0	27.94	326.0	28.28
110	23	24.1	298.7	6.54	323.2	7.57	351.7	8.74	382.8	9.90	394.3	10.07	410.3	10.39	420.8	10.51
	32	27.0	298.7	6.54	323.2	7.57	351.7	8.74	382.8	9.90	394.3	10.07	410.3	10.39	420.8	10.51
	41	31.0	298.7	6.54	323.2	7.57	351.7	8.74	382.8	9.90	394.3	10.07	410.3	10.39	420.8	10.51
	50	36.5	298.7	6.54	323.2	7.57	351.7	8.74	382.8	9.90	394.3	10.07	410.3	10.39	420.8	10.51
		45.7	298.7	6.40	323.2	7.44	351.7	8.61	382.8	9.74	394.3	9.93	410.3	10.21	420.8	10.35
		91.3	298.7	5.89	323.2	6.92	351.7	8.10	382.8	9.13	394.3	9.37	410.3	9.50	420.8	9.69
		114.1	298.7	5.70	323.2	6.78	351.7	7.91	382.8	8.94	394.3	9.13	410.3	9.31	420.8	9.56
		137.0	298.7	5.60	323.2	6.71	351.7	7.81	382.8	8.85	394.3	9.01	410.3	9.22	420.8	9.50
	59	36.5	297.0	8.72	321.5	10.14	350.0	11.76	380.5	13.25	392.0	13.54	407.5	13.90	418.5	14.14
		45.7	297.0	8.55	321.5	9.96	350.0	11.58	380.5	13.04	392.0	13.33	407.5	13.68	418.5	13.92
		91.3	297.0	7.86	321.5	9.28	350.0	10.84	380.5	12.21	392.0	12.50	407.5	12.80	418.5	13.04
		114.1	297.0	7.62	321.5	9.08	350.0	10.60	380.5	11.97	392.0	12.26	407.5	12.55	418.5	12.75
		137.0	297.0	7.50	321.5	8.99	350.0	10.48	380.5	11.84	392.0	12.14	407.5	12.43	418.5	12.60
	67	36.5	295.5	10.66	320.0	12.42	348.5	14.45	378.5	16.23	390.0	16.63	405.0	17.01	416.5	17.37
		45.7	295.5	10.45	320.0	12.21	348.5	14.21	378.5	15.97	390.0	16.36	405.0	16.75	416.5	17.09
		91.3	295.5	9.62	320.0	11.38	348.5	13.28	378.5	14.95	390.0	15.29	405.0	15.73	416.5	16.02
		114.1	295.5	9.33	320.0	11.14	348.5	12.99	378.5	14.65	390.0	15.04	405.0	15.43	416.5	15.58
		137.0	295.5	9.18	320.0	11.01	348.5	12.85	378.5	14.51	390.0	14.92	405.0	15.29	416.5	15.36
	75	36.5	295.5	13.06	320.0	15.19	348.5	17.67	378.5	19.91	390.0	20.35	405.0	20.83	416.5	21.24
		45.7	295.5	12.80	320.0	14.95	348.5	17.39	378.5	19.59	390.0	20.02	405.0	20.51	416.5	20.90
		91.3	295.5	11.77	320.0	13.97	348.5	16.26	378.5	18.32	390.0	18.75	405.0	19.24	416.5	19.59
		114.1	295.5	11.43	320.0	13.68	348.5	15.92	378.5	17.92	390.0	18.41	405.0	18.85	416.5	19.10
		137.0	295.5	11.26	320.0	13.53	348.5	15.75	378.5	17.73	390.0	18.24	405.0	18.66	416.5	18.85
	86	36.5	295.5	15.89	320.0	18.53	348.5	21.54	378.5	24.28	390.0	24.82	405.0	25.46	416.5	25.90
		45.7	295.5	15.58	320.0	18.22	348.5	21.20	378.5	23.88	390.0	24.42	405.0	25.06	416.5	25.49
		91.3	295.5	14.36	320.0	17.00	348.5	19.83	378.5	22.32	390.0	22.86	405.0	23.44	416.5	23.88
		114.1	295.5	13.97	320.0	16.65	348.5	19.39	378.5	21.88	390.0	22.42	405.0	23.00	416.5	23.30
		137.0	295.5	13.77	320.0	16.48	348.5	19.17	378.5	21.66	390.0	22.20	405.0	22.79	416.5	23.01
	95	36.5	275.0	16.55	298.0	19.21	324.5	22.39	353.0	25.22	363.5	25.80	377.5	26.45	388.0	26.95
		45.7	275.0	16.22	298.0	18.90	324.5	22.03	353.0	24.81	363.5	25.40	377.5	26.03	388.0	26.52
		91.3	275.0	14.90	298.0	17.68	324.5	20.61	353.0	23.20	363.5	23.79	377.5	24.37	388.0	24.81
		114.1	275.0	14.51	298.0	17.29	324.5	20.17	353.0	22.76	363.5	23.30	377.5	23.93	388.0	24.23
		137.0	275.0	14.31	298.0	17.10	324.5	19.95	353.0	22.54	363.5	23.05	377.5	23.71	388.0	23.93

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	36.5	255.0	18.20	276.0	21.09	301.0	24.63	327.0	27.70	336.5	28.34	350.0	29.03	359.5	29.57
		45.7	255.0	17.83	276.0	20.76	301.0	24.23	327.0	27.25	336.5	27.89	350.0	28.57	359.5	29.11
		91.3	255.0	16.36	276.0	19.44	301.0	22.61	327.0	25.49	336.5	26.08	350.0	26.76	359.5	27.30
		114.1	255.0	15.92	276.0	19.00	301.0	22.17	327.0	25.01	336.5	25.59	350.0	26.28	359.5	26.62
		137.0	255.0	15.70	276.0	18.78	301.0	21.96	327.0	24.76	336.5	25.35	350.0	26.03	359.5	26.28
	113	36.5	235.0	19.85	254.0	22.97	277.5	26.88	301.0	30.18	309.5	30.88	322.5	31.61	331.0	32.18
		45.7	235.0	19.44	254.0	22.61	277.5	26.42	301.0	29.70	309.5	30.38	322.5	31.11	331.0	31.70
		91.3	235.0	17.83	254.0	21.20	277.5	24.62	301.0	27.79	309.5	28.38	322.5	29.16	331.0	29.79
		114.1	235.0	17.34	254.0	20.71	277.5	24.18	301.0	27.25	309.5	27.89	322.5	28.62	331.0	29.01
		137.0	235.0	17.10	254.0	20.47	277.5	23.96	301.0	26.99	309.5	27.65	322.5	28.35	331.0	28.62
100	23	24.1	281.0	6.08	304.0	7.14	331.0	8.26	360.0	9.24	371.0	9.47	385.0	9.79	396.0	10.00
	32	27.0	281.0	6.08	304.0	7.14	331.0	8.26	360.0	9.24	371.0	9.47	385.0	9.79	396.0	10.00
	41	31.0	281.0	6.08	304.0	7.14	331.0	8.26	360.0	9.24	371.0	9.47	385.0	9.79	396.0	10.00
	50	36.5	281.0	6.08	304.0	7.14	331.0	8.26	360.0	9.24	371.0	9.47	385.0	9.79	396.0	10.00
		45.7	281.0	5.96	304.0	7.00	331.0	8.13	360.0	9.11	371.0	9.35	385.0	9.63	396.0	9.82
		91.3	281.0	5.49	304.0	6.48	331.0	7.61	360.0	8.60	371.0	8.84	385.0	9.02	396.0	9.11
		114.1	281.0	5.41	304.0	6.34	331.0	7.47	360.0	8.36	371.0	8.60	385.0	8.83	396.0	8.98
		137.0	281.0	5.37	304.0	6.27	331.0	7.40	360.0	8.24	371.0	8.47	385.0	8.74	396.0	8.92
	59	36.5	281.0	8.27	304.0	9.64	331.0	11.22	360.0	12.60	371.0	12.90	385.0	13.25	396.0	13.51
		45.7	281.0	8.11	304.0	9.48	331.0	11.04	360.0	12.41	371.0	12.70	385.0	13.04	396.0	13.28
		91.3	281.0	7.47	304.0	8.84	331.0	10.31	360.0	11.62	371.0	11.92	385.0	12.21	396.0	12.41
		114.1	281.0	7.28	304.0	8.64	331.0	10.11	360.0	11.38	371.0	11.67	385.0	11.97	396.0	12.11
		137.0	281.0	7.18	304.0	8.55	331.0	10.01	360.0	11.26	371.0	11.55	385.0	11.84	396.0	11.97
	67	36.5	281.0	10.21	304.0	11.86	331.0	13.86	360.0	15.60	371.0	15.94	385.0	16.33	396.0	16.62
		45.7	281.0	10.01	304.0	11.67	331.0	13.63	360.0	15.34	371.0	15.68	385.0	16.07	396.0	16.36
		91.3	281.0	9.23	304.0	10.94	331.0	12.70	360.0	14.31	371.0	14.65	385.0	15.04	396.0	15.34
		114.1	281.0	8.94	304.0	10.70	331.0	12.45	360.0	14.07	371.0	14.41	385.0	14.75	396.0	14.90
		137.0	281.0	8.79	304.0	10.57	331.0	12.33	360.0	13.94	371.0	14.29	385.0	14.60	396.0	14.68
	75	36.5	281.0	12.46	304.0	14.50	331.0	16.88	360.0	19.01	371.0	19.47	385.0	19.89	396.0	20.31
		45.7	281.0	12.21	304.0	14.26	331.0	16.61	360.0	18.71	371.0	19.15	385.0	19.59	396.0	19.98
		91.3	281.0	11.23	304.0	13.33	331.0	15.53	360.0	17.49	371.0	17.88	385.0	18.36	396.0	18.66
		114.1	281.0	10.94	304.0	13.04	331.0	15.19	360.0	17.14	371.0	17.53	385.0	18.02	396.0	18.17
		137.0	281.0	10.79	304.0	12.89	331.0	15.02	360.0	16.97	371.0	17.36	385.0	17.85	396.0	17.93
	86	36.5	281.0	15.35	304.0	17.83	331.0	20.75	360.0	23.39	371.0	23.94	385.0	24.52	396.0	24.97
		45.7	281.0	15.04	304.0	17.53	331.0	20.42	360.0	23.00	371.0	23.54	385.0	24.13	396.0	24.57
		91.3	281.0	13.82	304.0	16.36	331.0	19.10	360.0	21.49	371.0	21.98	385.0	22.56	396.0	22.96
		114.1	281.0	13.43	304.0	16.02	331.0	18.71	360.0	21.05	371.0	21.59	385.0	22.12	396.0	22.37
		137.0	281.0	13.24	304.0	15.85	331.0	18.51	360.0	20.83	371.0	21.39	385.0	21.91	396.0	22.08
	95	36.5	267.0	16.19	289.0	18.82	314.5	21.90	342.0	24.68	352.5	25.27	366.0	25.85	376.0	26.31
		45.7	267.0	15.87	289.0	18.51	314.5	21.54	342.0	24.27	352.5	24.86	366.0	25.45	376.0	25.89
		91.3	267.0	14.60	289.0	17.29	314.5	20.12	342.0	22.66	352.5	23.25	366.0	23.83	376.0	24.23
		114.1	267.0	14.16	289.0	16.95	314.5	19.73	342.0	22.22	352.5	22.81	366.0	23.39	376.0	23.59
		137.0	267.0	13.95	289.0	16.78	314.5	19.54	342.0	22.00	352.5	22.59	366.0	23.18	376.0	23.27
	104	36.5	252.5	18.14	273.5	21.10	298.0	24.57	324.0	27.65	333.5	28.36	346.5	29.04	356.5	29.53
		45.7	252.5	17.78	273.5	20.76	298.0	24.18	324.0	27.20	333.5	27.89	346.5	28.57	356.5	29.06
		91.3	252.5	16.36	273.5	19.39	298.0	22.61	324.0	25.45	333.5	26.03	346.5	26.72	356.5	27.20
		114.1	252.5	15.92	273.5	19.00	298.0	22.12	324.0	24.96	333.5	25.59	346.5	26.23	356.5	26.47
		137.0	252.5	15.70	273.5	18.80	298.0	21.88	324.0	24.71	333.5	25.37	346.5	25.98	356.5	26.11
	113	36.5	238.0	20.08	258.0	23.39	281.5	27.25	306.0	30.62	314.5	31.45	327.0	32.23	337.0	32.75
		45.7	238.0	19.68	258.0	23.00	281.5	26.81	306.0	30.13	314.5	30.92	327.0	31.70	337.0	32.24
		91.3	238.0	18.12	258.0	21.49	281.5	25.10	306.0	28.23	314.5	28.82	327.0	29.60	337.0	30.18
		114.1	238.0	17.68	258.0	21.05	281.5	24.52	306.0	27.69	314.5	28.38	327.0	29.06	337.0	29.35
		137.0	238.0	17.46	258.0	20.83	281.5	24.23	306.0	27.43	314.5	28.16	327.0	28.79	337.0	28.94
90	23	24.1	252.5	5.27	273.5	6.11	298.0	7.04	324.0	8.01	333.5	8.21	346.5	8.46	356.5	8.61
	32	27.0	252.5	5.27	273.5	6.11	298.0	7.04	324.0	8.01	333.5	8.21	346.5	8.46	356.5	8.61
	41	31.0	252.5	5.27	273.5	6.11	298.0	7.04	324.0	8.01	333.5	8.21	346.5	8.46	356.5	8.61
	50	36.5	252.5	5.27	273.5	6.11	298.0	7.04	324.0	8.01	333.5	8.21	346.5	8.46	356.5	8.61
		45.7	252.5	5.17	273.5	6.01	298.0	6.95	324.0	7.89	333.5	8.08	346.5	8.32	356.5	8.46
		91.3	252.5	4.80	273.5	5.64	298.0	6.58	324.0	7.43	333.5	7.56	346.5	7.75	356.5	7.89
		114.1	252.5	4.60	273.5	5.55	298.0	6.39	324.0	7.23	333.5	7.42	346.5	7.61	356.5	7.66
		137.0	252.5	4.51	273.5	5.50	298.0	6.29	324.0	7.14	333.5	7.35	346.5	7.54	356.5	7.54

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	36.5	252.5	7.12	273.5	8.29	298.0	9.62	324.0	10.87	333.5	11.11	346.5	11.42	356.5	11.61
		45.7	252.5	6.98	273.5	8.16	298.0	9.48	324.0	10.70	333.5	10.94	346.5	11.23	356.5	11.43
		91.3	252.5	6.45	273.5	7.62	298.0	8.89	324.0	10.01	333.5	10.26	346.5	10.50	356.5	10.70
		114.1	252.5	6.25	273.5	7.47	298.0	8.69	324.0	9.82	333.5	10.06	346.5	10.31	356.5	10.40
		137.0	252.5	6.15	273.5	7.40	298.0	8.60	324.0	9.72	333.5	9.96	346.5	10.21	356.5	10.26
	67	36.5	252.5	8.77	273.5	10.23	298.0	11.92	324.0	13.41	333.5	13.69	346.5	14.04	356.5	14.29
		45.7	252.5	8.60	273.5	10.06	298.0	11.72	324.0	13.19	333.5	13.48	346.5	13.82	356.5	14.07
		91.3	252.5	7.91	273.5	9.38	298.0	10.94	324.0	12.31	333.5	12.65	346.5	12.94	356.5	13.19
		114.1	252.5	7.72	273.5	9.18	298.0	10.75	324.0	12.11	333.5	12.41	346.5	12.70	356.5	12.85
		137.0	252.5	7.62	273.5	9.08	298.0	10.65	324.0	12.02	333.5	12.28	346.5	12.58	356.5	12.68
	75	36.5	252.5	10.71	273.5	12.46	298.0	14.50	324.0	16.33	333.5	16.73	346.5	17.12	356.5	17.48
		45.7	252.5	10.50	273.5	12.26	298.0	14.26	324.0	16.07	333.5	16.46	346.5	16.85	356.5	17.19
		91.3	252.5	9.67	273.5	11.48	298.0	13.33	324.0	15.04	333.5	15.38	346.5	15.78	356.5	16.07
		114.1	252.5	9.38	273.5	11.23	298.0	13.09	324.0	14.75	333.5	15.09	346.5	15.48	356.5	15.68
		137.0	252.5	9.23	273.5	11.11	298.0	12.97	324.0	14.60	333.5	14.95	346.5	15.34	356.5	15.48
	86	36.5	252.5	13.21	273.5	15.34	298.0	17.88	324.0	20.10	333.5	20.60	346.5	21.09	356.5	21.49
		45.7	252.5	12.94	273.5	15.09	298.0	17.58	324.0	19.78	333.5	20.27	346.5	20.76	356.5	21.15
		91.3	252.5	11.87	273.5	14.12	298.0	16.41	324.0	18.51	333.5	18.95	346.5	19.44	356.5	19.78
		114.1	252.5	11.58	273.5	13.82	298.0	16.07	324.0	18.12	333.5	18.61	346.5	19.05	356.5	19.24
		137.0	252.5	11.43	273.5	13.68	298.0	15.90	324.0	17.93	333.5	18.44	346.5	18.85	356.5	18.98
	95	36.5	245.5	14.25	266.0	16.52	290.0	19.26	315.0	21.69	324.5	22.19	337.0	22.73	346.5	23.18
		45.7	245.5	13.97	266.0	16.26	290.0	18.95	315.0	21.34	324.5	21.83	337.0	22.37	346.5	22.81
		91.3	245.5	12.85	266.0	15.24	290.0	17.73	315.0	19.98	324.5	20.42	337.0	20.95	346.5	21.34
		114.1	245.5	12.45	266.0	14.90	290.0	17.34	315.0	19.59	324.5	20.07	337.0	20.56	346.5	20.76
		137.0	245.5	12.26	266.0	14.73	290.0	17.14	315.0	19.39	324.5	19.90	337.0	20.37	346.5	20.47
	104	36.5	238.5	16.34	258.5	19.01	281.5	22.14	306.0	24.93	315.0	25.51	327.5	26.16	336.5	26.60
		45.7	238.5	16.02	258.5	18.71	281.5	21.78	306.0	24.52	315.0	25.10	327.5	25.74	336.5	26.18
		91.3	238.5	14.75	258.5	17.49	281.5	20.37	306.0	22.91	315.0	23.49	327.5	24.08	336.5	24.52
		114.1	238.5	14.31	258.5	17.09	281.5	19.93	306.0	22.47	315.0	23.05	327.5	23.64	336.5	23.88
		137.0	238.5	14.09	258.5	16.90	281.5	19.71	306.0	22.25	315.0	22.83	327.5	23.42	336.5	23.57
	113	36.5	231.5	18.43	251.0	21.51	273.0	25.02	297.0	28.16	305.5	28.83	318.0	29.59	326.5	30.02
		45.7	231.5	18.07	251.0	21.15	273.0	24.62	297.0	27.69	305.5	28.38	318.0	29.11	326.5	29.55
		91.3	231.5	16.65	251.0	19.73	273.0	23.00	297.0	25.84	305.5	26.57	318.0	27.20	326.5	27.69
		114.1	231.5	16.17	251.0	19.29	273.0	22.52	297.0	25.35	305.5	26.03	318.0	26.72	326.5	27.01
		137.0	231.5	15.92	251.0	19.07	273.0	22.27	297.0	25.11	305.5	25.76	318.0	26.47	326.5	26.67
80	23	24.1	224.5	4.42	243.5	5.09	265.0	5.98	288.0	6.80	296.5	6.87	308.0	7.14	317.0	7.16
	32	27.0	224.5	4.42	243.5	5.09	265.0	5.98	288.0	6.80	296.5	6.87	308.0	7.14	317.0	7.16
	41	31.0	224.5	4.42	243.5	5.09	265.0	5.98	288.0	6.80	296.5	6.87	308.0	7.14	317.0	7.16
	50	36.5	224.5	4.42	243.5	5.09	265.0	5.98	288.0	6.80	296.5	6.87	308.0	7.14	317.0	7.16
		45.7	224.5	4.32	243.5	5.02	265.0	5.87	288.0	6.68	296.5	6.76	308.0	7.01	317.0	7.05
		91.3	224.5	3.94	243.5	4.75	265.0	5.45	288.0	6.20	296.5	6.34	308.0	6.48	317.0	6.58
		114.1	224.5	3.85	243.5	4.60	265.0	5.35	288.0	6.01	296.5	6.15	308.0	6.39	317.0	6.49
		137.0	224.5	3.81	243.5	4.53	265.0	5.31	288.0	5.91	296.5	6.05	308.0	6.35	317.0	6.45
	59	36.5	224.5	5.98	243.5	6.95	265.0	8.10	288.0	9.13	296.5	9.33	308.0	9.59	317.0	9.73
		45.7	224.5	5.86	243.5	6.84	265.0	7.96	288.0	8.99	296.5	9.18	308.0	9.43	317.0	9.57
		91.3	224.5	5.37	243.5	6.40	265.0	7.42	288.0	8.40	296.5	8.60	308.0	8.79	317.0	8.94
		114.1	224.5	5.23	243.5	6.25	265.0	7.28	288.0	8.21	296.5	8.40	308.0	8.64	317.0	8.74
		137.0	224.5	5.15	243.5	6.18	265.0	7.20	288.0	8.11	296.5	8.30	308.0	8.57	317.0	8.65
	67	36.5	224.5	7.38	243.5	8.60	265.0	9.98	288.0	11.21	296.5	11.52	308.0	11.76	317.0	12.02
		45.7	224.5	7.23	243.5	8.45	265.0	9.82	288.0	11.04	296.5	11.33	308.0	11.58	317.0	11.82
		91.3	224.5	6.64	243.5	7.86	265.0	9.18	288.0	10.35	296.5	10.60	308.0	10.84	317.0	11.04
		114.1	224.5	6.45	243.5	7.72	265.0	8.99	288.0	10.16	296.5	10.40	308.0	10.65	317.0	10.75
		137.0	224.5	6.35	243.5	7.64	265.0	8.89	288.0	10.06	296.5	10.31	308.0	10.55	317.0	10.60
	75	36.5	224.5	8.96	243.5	10.42	265.0	12.16	288.0	13.70	296.5	14.06	308.0	14.40	317.0	14.64
		45.7	224.5	8.79	243.5	10.26	265.0	11.97	288.0	13.48	296.5	13.82	308.0	14.16	317.0	14.41
		91.3	224.5	8.11	243.5	9.62	265.0	11.18	288.0	12.60	296.5	12.89	308.0	13.24	317.0	13.48
		114.1	224.5	7.86	243.5	9.43	265.0	10.99	288.0	12.36	296.5	12.65	308.0	12.99	317.0	13.14
		137.0	224.5	7.74	243.5	9.33	265.0	10.89	288.0	12.24	296.5	12.53	308.0	12.87	317.0	12.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	36.5	224.5	11.06	243.5	12.86	265.0	15.00	288.0	16.89	296.5	17.28	308.0	17.67	317.0	18.03
		45.7	224.5	10.84	243.5	12.65	265.0	14.75	288.0	16.61	296.5	17.00	308.0	17.39	317.0	17.73
		91.3	224.5	9.96	243.5	11.82	265.0	13.77	288.0	15.48	296.5	15.87	308.0	16.26	317.0	16.56
		114.1	224.5	9.67	243.5	11.58	265.0	13.48	288.0	15.19	296.5	15.58	308.0	15.97	317.0	16.12
		137.0	224.5	9.52	243.5	11.45	265.0	13.33	288.0	15.04	296.5	15.43	308.0	15.83	317.0	15.90
	95	36.5	224.5	12.31	243.5	14.30	265.0	16.63	288.0	18.71	296.5	19.16	308.0	19.66	317.0	20.00
		45.7	224.5	12.06	243.5	14.07	265.0	16.36	288.0	18.41	296.5	18.85	308.0	19.34	317.0	19.68
		91.3	224.5	11.09	243.5	13.14	265.0	15.29	288.0	17.24	296.5	17.63	308.0	18.07	317.0	18.41
		114.1	224.5	10.79	243.5	12.85	265.0	14.99	288.0	16.90	296.5	17.29	308.0	17.78	317.0	17.92
		137.0	224.5	10.65	243.5	12.70	265.0	14.85	288.0	16.73	296.5	17.12	308.0	17.63	317.0	17.68
	104	36.5	224.5	14.55	243.5	16.94	265.0	19.71	288.0	22.19	296.5	22.68	308.0	23.28	317.0	23.67
		45.7	224.5	14.26	243.5	16.65	265.0	19.39	288.0	21.83	296.5	22.32	308.0	22.91	317.0	23.30
		91.3	224.5	13.14	243.5	15.53	265.0	18.12	288.0	20.42	296.5	20.90	308.0	21.44	317.0	21.83
		114.1	224.5	12.75	243.5	15.24	265.0	17.73	288.0	20.02	296.5	20.51	308.0	21.00	317.0	21.25
		137.0	224.5	12.55	243.5	15.09	265.0	17.53	288.0	19.83	296.5	20.32	308.0	20.78	317.0	20.95
	113	36.5	224.5	16.78	243.5	19.58	265.0	22.79	288.0	25.67	296.5	26.20	308.0	26.89	317.0	27.33
		45.7	224.5	16.46	243.5	19.24	265.0	22.42	288.0	25.25	296.5	25.79	308.0	26.47	317.0	26.91
		91.3	224.5	15.19	243.5	17.92	265.0	20.95	288.0	23.59	296.5	24.18	308.0	24.81	317.0	25.25
		114.1	224.5	14.70	243.5	17.63	265.0	20.46	288.0	23.15	296.5	23.74	308.0	24.23	317.0	24.57
		137.0	224.5	14.46	243.5	17.49	265.0	20.22	288.0	22.93	296.5	23.52	308.0	23.93	317.0	24.23
70	23	24.1	196.5	3.69	213.0	4.24	232.0	5.02	252.0	5.65	259.5	5.67	269.5	5.88	277.0	5.95
	32	27.0	196.5	3.69	213.0	4.24	232.0	5.02	252.0	5.65	259.5	5.67	269.5	5.88	277.0	5.95
	41	31.0	196.5	3.69	213.0	4.24	232.0	5.02	252.0	5.65	259.5	5.67	269.5	5.88	277.0	5.95
	50	36.5	196.5	3.69	213.0	4.24	232.0	5.02	252.0	5.65	259.5	5.67	269.5	5.88	277.0	5.95
		45.7	196.5	3.62	213.0	4.18	232.0	4.94	252.0	5.55	259.5	5.59	269.5	5.78	277.0	5.87
		91.3	196.5	3.34	213.0	3.95	232.0	4.61	252.0	5.17	259.5	5.26	269.5	5.40	277.0	5.55
		114.1	196.5	3.19	213.0	3.80	232.0	4.46	252.0	5.02	259.5	5.12	269.5	5.31	277.0	5.41
		137.0	196.5	3.12	213.0	3.73	232.0	4.39	252.0	4.95	259.5	5.04	269.5	5.27	277.0	5.34
	59	36.5	196.5	4.98	213.0	5.75	232.0	6.75	252.0	7.60	259.5	7.74	269.5	7.94	277.0	8.08
		45.7	196.5	4.88	213.0	5.67	232.0	6.64	252.0	7.47	259.5	7.62	269.5	7.81	277.0	7.96
		91.3	196.5	4.49	213.0	5.32	232.0	6.20	252.0	6.98	259.5	7.13	269.5	7.33	277.0	7.47
		114.1	196.5	4.35	213.0	5.18	232.0	6.06	252.0	6.84	259.5	6.98	269.5	7.18	277.0	7.28
		137.0	196.5	4.27	213.0	5.10	232.0	5.98	252.0	6.76	259.5	6.91	269.5	7.11	277.0	7.18
	67	36.5	196.5	6.13	213.0	7.10	232.0	8.29	252.0	9.33	259.5	9.59	269.5	9.77	277.0	9.98
		45.7	196.5	6.01	213.0	6.98	232.0	8.16	252.0	9.18	259.5	9.43	269.5	9.62	277.0	9.82
		91.3	196.5	5.52	213.0	6.54	232.0	7.62	252.0	8.60	259.5	8.79	269.5	9.04	277.0	9.18
		114.1	196.5	5.37	213.0	6.40	232.0	7.47	252.0	8.45	259.5	8.64	269.5	8.84	277.0	8.94
		137.0	196.5	5.30	213.0	6.33	232.0	7.40	252.0	8.38	259.5	8.57	269.5	8.74	277.0	8.82
	75	36.5	196.5	7.47	213.0	8.68	232.0	10.12	252.0	11.42	259.5	11.66	269.5	11.97	277.0	12.16
		45.7	196.5	7.33	213.0	8.55	232.0	9.96	252.0	11.23	259.5	11.48	269.5	11.77	277.0	11.97
		91.3	196.5	6.74	213.0	8.01	232.0	9.33	252.0	10.50	259.5	10.75	269.5	10.99	277.0	11.18
		114.1	196.5	6.54	213.0	7.81	232.0	9.13	252.0	10.26	259.5	10.55	269.5	10.79	277.0	10.89
		137.0	196.5	6.45	213.0	7.72	232.0	9.04	252.0	10.14	259.5	10.45	269.5	10.70	277.0	10.75
	86	36.5	196.5	9.22	213.0	10.67	232.0	12.47	252.0	14.00	259.5	14.35	269.5	14.69	277.0	14.94
		45.7	196.5	9.04	213.0	10.50	232.0	12.26	252.0	13.77	259.5	14.12	269.5	14.46	277.0	14.70
		91.3	196.5	8.30	213.0	9.82	232.0	11.43	252.0	12.89	259.5	13.19	269.5	13.53	277.0	13.77
		114.1	196.5	8.06	213.0	9.62	232.0	11.23	252.0	12.65	259.5	12.94	269.5	13.28	277.0	13.43
		137.0	196.5	7.94	213.0	9.52	232.0	11.14	252.0	12.53	259.5	12.82	269.5	13.16	277.0	13.26
	95	36.5	196.5	10.21	213.0	11.86	232.0	13.86	252.0	15.60	259.5	15.94	269.5	16.33	277.0	16.62
		45.7	196.5	10.01	213.0	11.67	232.0	13.63	252.0	15.34	259.5	15.68	269.5	16.07	277.0	16.36
		91.3	196.5	9.23	213.0	10.94	232.0	12.70	252.0	14.31	259.5	14.65	269.5	15.04	277.0	15.34
		114.1	196.5	8.94	213.0	10.70	232.0	12.45	252.0	14.07	259.5	14.41	269.5	14.75	277.0	14.90
		137.0	196.5	8.79	213.0	10.57	232.0	12.33	252.0	13.94	259.5	14.29	269.5	14.60	277.0	14.68
	104	36.5	196.5	12.12	213.0	14.04	232.0	16.39	252.0	18.42	259.5	18.86	269.5	19.36	277.0	19.71
		45.7	196.5	11.87	213.0	13.82	232.0	16.12	252.0	18.12	259.5	18.56	269.5	19.05	277.0	19.39
		91.3	196.5	10.89	213.0	12.94	232.0	15.04	252.0	16.95	259.5	17.39	269.5	17.83	277.0	18.12
		114.1	196.5	10.60	213.0	12.65	232.0	14.75	252.0	16.65	259.5	17.05	269.5	17.49	277.0	17.68
		137.0	196.5	10.45	213.0	12.50	232.0	14.60	252.0	16.51	259.5	16.88	269.5	17.31	277.0	17.46

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	36.5	196.5	14.02	213.0	16.23	232.0	18.92	252.0	21.24	259.5	21.77	269.5	22.39	277.0	22.80
		45.7	196.5	13.72	213.0	15.97	232.0	18.61	252.0	20.90	259.5	21.44	269.5	22.03	277.0	22.42
		91.3	196.5	12.55	213.0	14.95	232.0	17.39	252.0	19.59	259.5	20.12	269.5	20.61	277.0	20.90
		114.1	196.5	12.26	213.0	14.60	232.0	17.05	252.0	19.24	259.5	19.68	269.5	20.22	277.0	20.46
		137.0	196.5	12.11	213.0	14.43	232.0	16.88	252.0	19.07	259.5	19.46	269.5	20.03	277.0	20.25
60	23	24.1	168.5	2.99	182.5	3.45	198.5	3.97	216.0	4.49	222.5	4.61	231.0	4.76	237.5	4.77
	32	27.0	168.5	2.99	182.5	3.45	198.5	3.97	216.0	4.49	222.5	4.61	231.0	4.76	237.5	4.77
	41	31.0	168.5	2.99	182.5	3.45	198.5	3.97	216.0	4.49	222.5	4.61	231.0	4.76	237.5	4.77
	50	36.5	168.5	2.99	182.5	3.45	198.5	3.97	216.0	4.49	222.5	4.61	231.0	4.76	237.5	4.77
		45.7	168.5	2.92	182.5	3.39	198.5	3.90	216.0	4.42	222.5	4.51	231.0	4.66	237.5	4.70
		91.3	168.5	2.63	182.5	3.15	198.5	3.61	216.0	4.14	222.5	4.13	231.0	4.27	237.5	4.42
		114.1	168.5	2.53	182.5	3.05	198.5	3.57	216.0	4.04	222.5	4.08	231.0	4.18	237.5	4.22
		137.0	168.5	2.49	182.5	3.00	198.5	3.55	216.0	3.99	222.5	4.06	231.0	4.13	237.5	4.13
	59	36.5	168.5	3.99	182.5	4.62	198.5	5.36	216.0	6.06	222.5	6.22	231.0	6.36	237.5	6.45
		45.7	168.5	3.91	182.5	4.54	198.5	5.27	216.0	5.96	222.5	6.11	231.0	6.25	237.5	6.35
		91.3	168.5	3.57	182.5	4.25	198.5	4.93	216.0	5.57	222.5	5.67	231.0	5.81	237.5	5.96
		114.1	168.5	3.47	182.5	4.15	198.5	4.84	216.0	5.47	222.5	5.57	231.0	5.71	237.5	5.76
		137.0	168.5	3.42	182.5	4.10	198.5	4.79	216.0	5.42	222.5	5.52	231.0	5.67	237.5	5.67
	67	36.5	168.5	4.89	182.5	5.65	198.5	6.59	216.0	7.45	222.5	7.64	231.0	7.79	237.5	7.94
		45.7	168.5	4.79	182.5	5.57	198.5	6.50	216.0	7.33	222.5	7.52	231.0	7.67	237.5	7.81
		91.3	168.5	4.40	182.5	5.23	198.5	6.11	216.0	6.84	222.5	7.03	231.0	7.18	237.5	7.33
		114.1	168.5	4.30	182.5	5.13	198.5	5.96	216.0	6.74	222.5	6.89	231.0	7.08	237.5	7.13
		137.0	168.5	4.25	182.5	5.08	198.5	5.89	216.0	6.69	222.5	6.81	231.0	7.03	237.5	7.03
	75	36.5	168.5	5.98	182.5	6.90	198.5	8.04	216.0	9.09	222.5	9.28	231.0	9.53	237.5	9.67
		45.7	168.5	5.86	182.5	6.79	198.5	7.91	216.0	8.94	222.5	9.13	231.0	9.38	237.5	9.52
		91.3	168.5	5.37	182.5	6.35	198.5	7.42	216.0	8.35	222.5	8.55	231.0	8.79	237.5	8.94
		114.1	168.5	5.23	182.5	6.25	198.5	7.28	216.0	8.21	222.5	8.40	231.0	8.60	237.5	8.69
		137.0	168.5	5.15	182.5	6.20	198.5	7.20	216.0	8.13	222.5	8.33	231.0	8.50	237.5	8.57
	86	36.5	168.5	7.33	182.5	8.55	198.5	9.93	216.0	11.17	222.5	11.42	231.0	11.71	237.5	11.91
		45.7	168.5	7.18	182.5	8.40	198.5	9.77	216.0	10.99	222.5	11.23	231.0	11.53	237.5	11.72
		91.3	168.5	6.59	182.5	7.81	198.5	9.13	216.0	10.26	222.5	10.50	231.0	10.79	237.5	10.99
		114.1	168.5	6.45	182.5	7.67	198.5	8.94	216.0	10.06	222.5	10.31	231.0	10.60	237.5	10.70
		137.0	168.5	6.37	182.5	7.60	198.5	8.84	216.0	9.96	222.5	10.21	231.0	10.50	237.5	10.55
	95	36.5	168.5	8.12	182.5	9.49	198.5	11.02	216.0	12.41	222.5	12.71	231.0	12.99	237.5	13.25
		45.7	168.5	7.96	182.5	9.33	198.5	10.84	216.0	12.21	222.5	12.50	231.0	12.80	237.5	13.04
		91.3	168.5	7.33	182.5	8.69	198.5	10.16	216.0	11.43	222.5	11.67	231.0	12.01	237.5	12.21
		114.1	168.5	7.13	182.5	8.50	198.5	9.91	216.0	11.18	222.5	11.48	231.0	11.77	237.5	11.87
		137.0	168.5	7.03	182.5	8.40	198.5	9.79	216.0	11.06	222.5	11.38	231.0	11.65	237.5	11.70
	104	36.5	168.5	9.67	182.5	11.22	198.5	13.05	216.0	14.69	222.5	15.05	231.0	15.44	237.5	15.68
		45.7	168.5	9.48	182.5	11.04	198.5	12.85	216.0	14.46	222.5	14.80	231.0	15.19	237.5	15.43
		91.3	168.5	8.69	182.5	10.31	198.5	12.01	216.0	13.53	222.5	13.82	231.0	14.21	237.5	14.46
		114.1	168.5	8.45	182.5	10.11	198.5	11.77	216.0	13.24	222.5	13.58	231.0	13.92	237.5	14.07
		137.0	168.5	8.33	182.5	10.01	198.5	11.65	216.0	13.09	222.5	13.46	231.0	13.77	237.5	13.87
	113	36.5	168.5	11.22	182.5	12.96	198.5	15.09	216.0	16.97	222.5	17.38	231.0	17.88	237.5	18.11
		45.7	168.5	10.99	182.5	12.75	198.5	14.85	216.0	16.70	222.5	17.09	231.0	17.58	237.5	17.83
		91.3	168.5	10.06	182.5	11.92	198.5	13.87	216.0	15.63	222.5	15.97	231.0	16.41	237.5	16.70
		114.1	168.5	9.77	182.5	11.72	198.5	13.63	216.0	15.29	222.5	15.68	231.0	16.07	237.5	16.26
		137.0	168.5	9.62	182.5	11.62	198.5	13.51	216.0	15.12	222.5	15.53	231.0	15.90	237.5	16.05
50	23	24.1	140.5	2.13	152.0	2.53	165.5	3.04	180.0	3.35	185.5	3.38	192.5	3.49	198.0	3.59
	32	27.0	140.5	2.13	152.0	2.53	165.5	3.04	180.0	3.35	185.5	3.38	192.5	3.49	198.0	3.59
	41	31.0	140.5	2.13	152.0	2.53	165.5	3.04	180.0	3.35	185.5	3.38	192.5	3.49	198.0	3.59
	50	36.5	140.5	2.13	152.0	2.53	165.5	3.04	180.0	3.35	185.5	3.38	192.5	3.49	198.0	3.59
		45.7	140.5	2.11	152.0	2.49	165.5	2.97	180.0	3.29	185.5	3.33	192.5	3.43	198.0	3.53
		91.3	140.5	2.03	152.0	2.35	165.5	2.67	180.0	3.05	185.5	3.15	192.5	3.19	198.0	3.29
		114.1	140.5	1.93	152.0	2.25	165.5	2.68	180.0	2.95	185.5	3.05	192.5	3.10	198.0	3.14
		137.0	140.5	1.88	152.0	2.20	165.5	2.68	180.0	2.91	185.5	3.00	192.5	3.05	198.0	3.07
	59	36.5	140.5	2.93	152.0	3.42	165.5	4.03	180.0	4.52	185.5	4.62	192.5	4.71	198.0	4.81
		45.7	140.5	2.88	152.0	3.37	165.5	3.96	180.0	4.44	185.5	4.54	192.5	4.64	198.0	4.74
		91.3	140.5	2.69	152.0	3.17	165.5	3.66	180.0	4.15	185.5	4.25	192.5	4.35	198.0	4.44
		114.1	140.5	2.59	152.0	3.08	165.5	3.61	180.0	4.05	185.5	4.15	192.5	4.25	198.0	4.30
		137.0	140.5	2.54	152.0	3.03	165.5	3.59	180.0	4.01	185.5	4.10	192.5	4.20	198.0	4.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	36.5	140.5	3.64	152.0	4.21	165.5	4.91	180.0	5.56	185.5	5.72	192.5	5.80	198.0	5.90
		45.7	140.5	3.57	152.0	4.15	165.5	4.84	180.0	5.47	185.5	5.62	192.5	5.71	198.0	5.81
		91.3	140.5	3.27	152.0	3.91	165.5	4.54	180.0	5.13	185.5	5.23	192.5	5.37	198.0	5.47
		114.1	140.5	3.17	152.0	3.81	165.5	4.44	180.0	5.03	185.5	5.13	192.5	5.27	198.0	5.32
		137.0	140.5	3.13	152.0	3.76	165.5	4.40	180.0	4.98	185.5	5.08	192.5	5.23	198.0	5.25
	75	36.5	140.5	4.43	152.0	5.17	165.5	6.01	180.0	6.74	185.5	6.95	192.5	7.10	198.0	7.25
		45.7	140.5	4.35	152.0	5.08	165.5	5.91	180.0	6.64	185.5	6.84	192.5	6.98	198.0	7.13
		91.3	140.5	4.00	152.0	4.74	165.5	5.52	180.0	6.25	185.5	6.40	192.5	6.54	198.0	6.64
		114.1	140.5	3.91	152.0	4.64	165.5	5.42	180.0	6.11	185.5	6.25	192.5	6.40	198.0	6.50
		137.0	140.5	3.86	152.0	4.59	165.5	5.37	180.0	6.03	185.5	6.18	192.5	6.33	198.0	6.42
	86	36.5	140.5	5.48	152.0	6.35	165.5	7.40	180.0	8.34	185.5	8.54	192.5	8.73	198.0	8.88
		45.7	140.5	5.37	152.0	6.25	165.5	7.28	180.0	8.21	185.5	8.40	192.5	8.60	198.0	8.74
		91.3	140.5	4.93	152.0	5.86	165.5	6.79	180.0	7.67	185.5	7.86	192.5	8.06	198.0	8.21
		114.1	140.5	4.79	152.0	5.71	165.5	6.64	180.0	7.52	185.5	7.72	192.5	7.91	198.0	7.96
		137.0	140.5	4.71	152.0	5.64	165.5	6.57	180.0	7.45	185.5	7.64	192.5	7.84	198.0	7.84
	95	36.5	140.5	6.08	152.0	7.05	165.5	8.24	180.0	9.23	185.5	9.49	192.5	9.73	198.0	9.88
		45.7	140.5	5.96	152.0	6.94	165.5	8.11	180.0	9.08	185.5	9.33	192.5	9.57	198.0	9.72
		91.3	140.5	5.47	152.0	6.50	165.5	7.57	180.0	8.50	185.5	8.69	192.5	8.94	198.0	9.08
		114.1	140.5	5.32	152.0	6.35	165.5	7.42	180.0	8.35	185.5	8.55	192.5	8.79	198.0	8.84
		137.0	140.5	5.25	152.0	6.28	165.5	7.35	180.0	8.28	185.5	8.47	192.5	8.72	198.0	8.72
	104	36.5	140.5	7.17	152.0	8.34	165.5	9.73	180.0	10.98	185.5	11.22	192.5	11.52	198.0	11.71
		45.7	140.5	7.03	152.0	8.21	165.5	9.57	180.0	10.79	185.5	11.04	192.5	11.33	198.0	11.53
		91.3	140.5	6.50	152.0	7.67	165.5	8.94	180.0	10.06	185.5	10.31	192.5	10.60	198.0	10.79
		114.1	140.5	6.30	152.0	7.52	165.5	8.79	180.0	9.87	185.5	10.11	192.5	10.40	198.0	10.50
		137.0	140.5	6.20	152.0	7.45	165.5	8.72	180.0	9.77	185.5	10.01	192.5	10.31	198.0	10.35
	113	36.5	140.5	8.26	152.0	9.64	165.5	11.22	180.0	12.73	185.5	12.96	192.5	13.30	198.0	13.54
		45.7	140.5	8.11	152.0	9.48	165.5	11.04	180.0	12.50	185.5	12.75	192.5	13.09	198.0	13.33
		91.3	140.5	7.52	152.0	8.84	165.5	10.31	180.0	11.62	185.5	11.92	192.5	12.26	198.0	12.50
		114.1	140.5	7.28	152.0	8.69	165.5	10.16	180.0	11.38	185.5	11.67	192.5	12.01	198.0	12.16
		137.0	140.5	7.16	152.0	8.62	165.5	10.09	180.0	11.26	185.5	11.55	192.5	11.89	198.0	11.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	28.1	400.9	8.84	434.6	10.36	474.3	12.06	514.5	13.60	529.5	13.98	550.6	14.24	565.6	14.37
	32	31.5	400.9	8.84	434.6	10.36	474.3	12.06	514.5	13.60	529.5	13.98	550.6	14.24	565.6	14.37
	41	36.2	400.9	8.84	434.6	10.36	474.3	12.06	514.5	13.60	529.5	13.98	550.6	14.24	565.6	14.37
	50	42.6	400.9	8.84	434.6	10.36	474.3	12.06	514.5	13.60	529.5	13.98	550.6	14.24	565.6	14.37
		53.3	400.9	8.68	434.6	10.20	474.3	11.87	514.5	13.38	529.5	13.73	550.6	14.02	565.6	14.18
		106.5	400.9	8.05	434.6	9.56	474.3	11.12	514.5	12.51	529.5	12.74	550.6	13.15	565.6	13.44
		133.1	400.9	7.82	434.6	9.33	474.3	10.89	514.5	12.22	529.5	12.57	550.6	12.86	565.6	13.09
		159.8	400.9	7.71	434.6	9.21	474.3	10.78	514.5	12.07	529.5	12.49	550.6	12.71	565.6	12.91
	59	42.6	394.8	11.67	427.8	13.58	466.2	15.84	506.4	17.85	521.4	18.28	541.8	18.69	556.8	18.97
		53.3	394.8	11.45	427.8	13.36	466.2	15.58	506.4	17.56	521.4	17.98	541.8	18.40	556.8	18.70
		106.5	394.8	10.55	427.8	12.53	466.2	14.56	506.4	16.42	521.4	16.78	541.8	17.26	556.8	17.62
		133.1	394.8	10.25	427.8	12.23	466.2	14.26	506.4	16.06	521.4	16.48	541.8	16.90	556.8	17.20
		159.8	394.8	10.10	427.8	12.08	466.2	14.11	506.4	15.88	521.4	16.33	541.8	16.72	556.8	16.99
	67	42.6	389.4	14.19	421.8	16.44	459.0	19.20	499.2	21.62	514.2	22.10	534.0	22.64	549.0	23.06
		53.3	389.4	13.90	421.8	16.18	459.0	18.88	499.2	21.28	514.2	21.76	534.0	22.29	549.0	22.71
		106.5	389.4	12.77	421.8	15.16	459.0	17.62	499.2	19.90	514.2	20.38	534.0	20.92	549.0	21.34
		133.1	389.4	12.41	421.8	14.80	459.0	17.26	499.2	19.48	514.2	19.96	534.0	20.50	549.0	20.86
		159.8	389.4	12.23	421.8	14.62	459.0	17.08	499.2	19.27	514.2	19.75	534.0	20.29	549.0	20.62
	75	42.6	389.4	17.49	421.8	20.28	459.0	23.63	499.2	26.61	514.2	27.29	534.0	27.95	549.0	28.41
		53.3	389.4	17.14	421.8	19.96	459.0	23.25	499.2	26.19	514.2	26.85	534.0	27.51	549.0	27.99
		106.5	389.4	15.76	421.8	18.70	459.0	21.76	499.2	24.51	514.2	25.11	534.0	25.77	549.0	26.31
		133.1	389.4	15.34	421.8	18.28	459.0	21.34	499.2	24.03	514.2	24.63	534.0	25.29	549.0	25.71
		159.8	389.4	15.13	421.8	18.07	459.0	21.13	499.2	23.79	514.2	24.39	534.0	25.05	549.0	25.41
	86	42.6	389.4	20.98	421.8	24.37	459.0	28.38	499.2	31.98	514.2	32.70	534.0	33.55	549.0	34.06
		53.3	389.4	20.56	421.8	23.97	459.0	27.93	499.2	31.46	514.2	32.18	534.0	33.02	549.0	33.56
		106.5	389.4	18.88	421.8	22.41	459.0	26.13	499.2	29.43	514.2	30.15	534.0	30.92	549.0	31.58
		133.1	389.4	18.40	421.8	21.94	459.0	25.59	499.2	28.83	514.2	29.61	534.0	30.33	549.0	30.86
		159.8	389.4	18.16	421.8	21.70	459.0	25.32	499.2	28.53	514.2	29.34	534.0	30.03	549.0	30.51
	95	42.6	350.4	21.22	379.2	24.68	413.4	28.68	449.4	32.35	462.6	33.06	480.6	33.91	493.8	34.51
		53.3	350.4	20.80	379.2	24.27	413.4	28.23	449.4	31.82	462.6	32.54	480.6	33.38	493.8	33.98
		106.5	350.4	19.12	379.2	22.65	413.4	26.43	449.4	29.73	462.6	30.51	480.6	31.28	493.8	31.88
		133.1	350.4	18.58	379.2	22.17	413.4	25.89	449.4	29.13	462.6	29.91	480.6	30.69	493.8	31.22
		159.8	350.4	18.31	379.2	21.94	413.4	25.62	449.4	28.83	462.6	29.61	480.6	30.39	493.8	30.90
	104	42.6	311.4	22.39	337.2	26.01	367.2	30.27	399.0	34.12	411.0	34.90	427.2	35.72	439.2	36.38
		53.3	311.4	21.94	337.2	25.59	367.2	29.79	399.0	33.56	411.0	34.34	427.2	35.18	439.2	35.84
		106.5	311.4	20.14	337.2	23.91	367.2	27.87	399.0	31.34	411.0	32.12	427.2	33.02	439.2	33.68
		133.1	311.4	19.60	337.2	23.37	367.2	27.27	399.0	30.75	411.0	31.52	427.2	32.36	439.2	32.90
		159.8	311.4	19.33	337.2	23.10	367.2	26.97	399.0	30.45	411.0	31.23	427.2	32.04	439.2	32.51
	113	42.6	272.4	23.56	295.2	27.35	321.0	31.86	348.6	35.89	359.4	36.74	373.8	37.54	384.6	38.26
		53.3	272.4	23.07	295.2	26.91	321.0	31.34	348.6	35.30	359.4	36.14	373.8	36.98	384.6	37.70
		106.5	272.4	21.16	295.2	25.17	321.0	29.31	348.6	32.96	359.4	33.74	373.8	34.76	384.6	35.48
		133.1	272.4	20.62	295.2	24.57	321.0	28.65	348.6	32.36	359.4	33.14	373.8	34.04	384.6	34.58
		159.8	272.4	20.35	295.2	24.27	321.0	28.32	348.6	32.06	359.4	32.84	373.8	33.68	384.6	34.13
120	23	28.1	379.7	8.45	411.5	9.76	447.5	11.49	487.2	12.87	502.3	13.26	521.5	13.52	535.9	13.77
	32	31.5	379.7	8.45	411.5	9.76	447.5	11.49	487.2	12.87	502.3	13.26	521.5	13.52	535.9	13.77
	41	36.2	379.7	8.45	411.5	9.76	447.5	11.49	487.2	12.87	502.3	13.26	521.5	13.52	535.9	13.77
	50	42.6	379.7	8.45	411.5	9.76	447.5	11.49	487.2	12.87	502.3	13.26	521.5	13.52	535.9	13.77
		53.3	379.7	8.27	411.5	9.60	447.5	11.28	487.2	12.67	502.3	13.02	521.5	13.30	535.9	13.54
		106.5	379.7	7.57	411.5	8.96	447.5	10.47	487.2	11.86	502.3	12.08	521.5	12.44	535.9	12.60
		133.1	379.7	7.47	411.5	8.79	447.5	10.36	487.2	11.63	502.3	11.85	521.5	12.20	535.9	12.38
		159.8	379.7	7.42	411.5	8.70	447.5	10.31	487.2	11.51	502.3	11.74	521.5	12.09	535.9	12.26
	59	42.6	375.6	11.19	406.8	12.98	442.8	15.18	481.8	17.05	496.2	17.49	515.4	17.91	529.8	18.21
		53.3	375.6	10.97	406.8	12.77	442.8	14.92	481.8	16.78	496.2	17.20	515.4	17.62	529.8	17.92
		106.5	375.6	10.07	406.8	11.93	442.8	13.90	481.8	15.70	496.2	16.06	515.4	16.48	529.8	16.78
		133.1	375.6	9.83	406.8	11.69	442.8	13.66	481.8	15.40	496.2	15.76	515.4	16.18	529.8	16.42
		159.8	375.6	9.71	406.8	11.57	442.8	13.55	481.8	15.25	496.2	15.61	515.4	16.03	529.8	16.24
	67	42.6	372.0	13.64	402.6	15.84	438.6	18.46	477.0	20.77	490.8	21.25	510.0	21.80	524.4	22.15
		53.3	372.0	13.36	402.6	15.58	438.6	18.16	477.0	20.44	490.8	20.92	510.0	21.46	524.4	21.82
		106.5	372.0	12.29	402.6	14.56	438.6	16.96	477.0	19.12	490.8	19.60	510.0	20.08	524.4	20.50
		133.1	372.0	11.93	402.6	14.26	438.6	16.60	477.0	18.76	490.8	19.24	510.0	19.72	524.4	20.02
		159.8	372.0	11.75	402.6	14.11	438.6	16.42	477.0	18.58	490.8	19.06	510.0	19.54	524.4	19.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	42.6	372.0	16.75	402.6	19.42	438.6	22.66	477.0	25.52	490.8	26.13	510.0	26.79	524.4	27.27
		53.3	372.0	16.42	402.6	19.12	438.6	22.29	477.0	25.11	490.8	25.71	510.0	26.37	524.4	26.85
		106.5	372.0	15.10	402.6	17.92	438.6	20.86	477.0	23.49	490.8	24.03	510.0	24.69	524.4	25.17
		133.1	372.0	14.68	402.6	17.50	438.6	20.44	477.0	23.01	490.8	23.61	510.0	24.21	524.4	24.57
		159.8	372.0	14.47	402.6	17.29	438.6	20.23	477.0	22.78	490.8	23.40	510.0	23.97	524.4	24.27
	86	42.6	372.0	20.23	402.6	23.51	438.6	27.41	477.0	30.88	490.8	31.62	510.0	32.40	524.4	32.92
		53.3	372.0	19.84	402.6	23.13	438.6	26.97	477.0	30.39	490.8	31.10	510.0	31.88	524.4	32.42
		106.5	372.0	18.28	402.6	21.64	438.6	25.23	477.0	28.41	490.8	29.07	510.0	29.85	524.4	30.45
		133.1	372.0	17.74	402.6	21.16	438.6	24.69	477.0	27.81	490.8	28.53	510.0	29.31	524.4	29.73
		159.8	372.0	17.47	402.6	20.92	438.6	24.42	477.0	27.51	490.8	28.26	510.0	29.04	524.4	29.37
	95	42.6	340.2	20.73	368.4	24.13	401.4	28.08	436.2	31.60	449.4	32.40	466.8	33.18	480.0	33.79
		53.3	340.2	20.32	368.4	23.73	401.4	27.63	436.2	31.10	449.4	31.88	466.8	32.66	480.0	33.26
		106.5	340.2	18.70	368.4	22.17	401.4	25.83	436.2	29.13	449.4	29.85	466.8	30.63	480.0	31.16
		133.1	340.2	18.22	368.4	21.70	401.4	25.29	436.2	28.53	449.4	29.25	466.8	30.03	480.0	30.45
		159.8	340.2	17.98	368.4	21.46	401.4	25.02	436.2	28.23	449.4	28.95	466.8	29.73	480.0	30.09
	104	42.6	309.0	22.31	334.2	25.95	364.2	30.21	396.0	34.05	407.4	34.84	423.6	35.68	435.6	36.34
		53.3	309.0	21.88	334.2	25.53	364.2	29.73	396.0	33.50	407.4	34.28	423.6	35.12	435.6	35.78
		106.5	309.0	20.14	334.2	23.85	364.2	27.81	396.0	31.34	407.4	32.06	423.6	32.90	435.6	33.56
		133.1	309.0	19.60	334.2	23.37	364.2	27.27	396.0	30.69	407.4	31.46	423.6	32.30	435.6	32.78
		159.8	309.0	19.33	334.2	23.13	364.2	27.00	396.0	30.36	407.4	31.17	423.6	32.01	435.6	32.39
	113	42.6	277.8	23.90	300.0	27.78	327.0	32.34	355.8	36.49	365.4	37.28	380.4	38.18	391.2	38.89
		53.3	277.8	23.43	300.0	27.33	327.0	31.82	355.8	35.90	365.4	36.68	380.4	37.58	391.2	38.30
		106.5	277.8	21.58	300.0	25.53	327.0	29.79	355.8	33.56	365.4	34.28	380.4	35.18	391.2	35.96
		133.1	277.8	20.98	300.0	25.05	327.0	29.25	355.8	32.84	365.4	33.68	380.4	34.58	391.2	35.12
		159.8	277.8	20.68	300.0	24.81	327.0	28.98	355.8	32.48	365.4	33.38	380.4	34.28	391.2	34.70
110	23	28.1	358.4	8.02	387.8	9.29	422.0	10.72	459.3	12.15	473.1	12.35	492.4	12.75	504.9	12.90
	32	31.5	358.4	8.02	387.8	9.29	422.0	10.72	459.3	12.15	473.1	12.35	492.4	12.75	504.9	12.90
	41	36.2	358.4	8.02	387.8	9.29	422.0	10.72	459.3	12.15	473.1	12.35	492.4	12.75	504.9	12.90
	50	42.6	358.4	8.02	387.8	9.29	422.0	10.72	459.3	12.15	473.1	12.35	492.4	12.75	504.9	12.90
		53.3	358.4	7.86	387.8	9.12	422.0	10.56	459.3	11.96	473.1	12.18	492.4	12.53	504.9	12.70
		106.5	358.4	7.22	387.8	8.49	422.0	9.93	459.3	11.21	473.1	11.50	492.4	11.66	504.9	11.89
		133.1	358.4	6.99	387.8	8.32	422.0	9.70	459.3	10.98	473.1	11.20	492.4	11.42	504.9	11.73
		159.8	358.4	6.87	387.8	8.23	422.0	9.59	459.3	10.86	473.1	11.05	492.4	11.31	504.9	11.65
	59	42.6	356.4	10.70	385.8	12.44	420.0	14.43	456.6	16.26	470.4	16.62	489.0	17.05	502.2	17.35
		53.3	356.4	10.49	385.8	12.23	420.0	14.20	456.6	16.00	470.4	16.36	489.0	16.78	502.2	17.08
		106.5	356.4	9.65	385.8	11.39	420.0	13.30	456.6	14.98	470.4	15.34	489.0	15.70	502.2	16.00
		133.1	356.4	9.35	385.8	11.15	420.0	13.01	456.6	14.68	470.4	15.04	489.0	15.40	502.2	15.64
		159.8	356.4	9.20	385.8	11.03	420.0	12.86	456.6	14.53	470.4	14.89	489.0	15.25	502.2	15.46
	67	42.6	354.6	13.08	384.0	15.24	418.2	17.73	454.2	19.92	468.0	20.41	486.0	20.87	499.8	21.31
		53.3	354.6	12.83	384.0	14.98	418.2	17.44	454.2	19.60	468.0	20.08	486.0	20.56	499.8	20.98
		106.5	354.6	11.81	384.0	13.96	418.2	16.30	454.2	18.34	468.0	18.76	486.0	19.30	499.8	19.66
		133.1	354.6	11.45	384.0	13.66	418.2	15.94	454.2	17.98	468.0	18.46	486.0	18.94	499.8	19.12
		159.8	354.6	11.27	384.0	13.52	418.2	15.76	454.2	17.80	468.0	18.31	486.0	18.76	499.8	18.85
	75	42.6	354.6	16.02	384.0	18.64	418.2	21.68	454.2	24.43	468.0	24.97	486.0	25.56	499.8	26.06
		53.3	354.6	15.70	384.0	18.34	418.2	21.34	454.2	24.03	468.0	24.57	486.0	25.17	499.8	25.65
		106.5	354.6	14.44	384.0	17.14	418.2	19.96	454.2	22.47	468.0	23.01	486.0	23.61	499.8	24.03
		133.1	354.6	14.02	384.0	16.78	418.2	19.54	454.2	21.99	468.0	22.59	486.0	23.13	499.8	23.43
		159.8	354.6	13.82	384.0	16.60	418.2	19.33	454.2	21.76	468.0	22.39	486.0	22.90	499.8	23.14
	86	42.6	354.6	19.50	384.0	22.73	418.2	26.43	454.2	29.79	468.0	30.45	486.0	31.24	499.8	31.78
		53.3	354.6	19.12	384.0	22.35	418.2	26.01	454.2	29.31	468.0	29.97	486.0	30.75	499.8	31.28
		106.5	354.6	17.62	384.0	20.86	418.2	24.33	454.2	27.39	468.0	28.05	486.0	28.77	499.8	29.31
		133.1	354.6	17.14	384.0	20.44	418.2	23.79	454.2	26.85	468.0	27.51	486.0	28.23	499.8	28.59
		159.8	354.6	16.90	384.0	20.23	418.2	23.52	454.2	26.58	468.0	27.24	486.0	27.96	499.8	28.23
	95	42.6	330.0	20.31	357.6	23.57	389.4	27.47	423.6	30.94	436.2	31.66	453.0	32.46	465.6	33.07
		53.3	330.0	19.90	357.6	23.19	389.4	27.03	423.6	30.45	436.2	31.16	453.0	31.94	465.6	32.54
		106.5	330.0	18.28	357.6	21.70	389.4	25.29	423.6	28.47	436.2	29.19	453.0	29.91	465.6	30.45
		133.1	330.0	17.80	357.6	21.22	389.4	24.75	423.6	27.93	436.2	28.59	453.0	29.37	465.6	29.73
		159.8	330.0	17.56	357.6	20.98	389.4	24.48	423.6	27.66	436.2	28.29	453.0	29.10	465.6	29.37

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	42.6	306.0	22.33	331.2	25.88	361.2	30.23	392.4	33.99	403.8	34.78	420.0	35.62	431.4	36.28
		53.3	306.0	21.88	331.2	25.47	361.2	29.73	392.4	33.44	403.8	34.22	420.0	35.06	431.4	35.72
		106.5	306.0	20.08	331.2	23.85	361.2	27.75	392.4	31.28	403.8	32.00	420.0	32.84	431.4	33.50
		133.1	306.0	19.54	331.2	23.31	361.2	27.21	392.4	30.69	403.8	31.40	420.0	32.24	431.4	32.66
		159.8	306.0	19.27	331.2	23.05	361.2	26.94	392.4	30.39	403.8	31.11	420.0	31.95	431.4	32.25
	113	42.6	282.0	24.35	304.8	28.19	333.0	32.98	361.2	37.03	371.4	37.90	387.0	38.78	397.2	39.49
		53.3	282.0	23.85	304.8	27.75	333.0	32.42	361.2	36.44	371.4	37.28	387.0	38.18	397.2	38.90
		106.5	282.0	21.88	304.8	26.01	333.0	30.21	361.2	34.10	371.4	34.82	387.0	35.78	397.2	36.56
		133.1	282.0	21.28	304.8	25.41	333.0	29.67	361.2	33.44	371.4	34.22	387.0	35.12	397.2	35.60
		159.8	282.0	20.98	304.8	25.11	333.0	29.40	361.2	33.11	371.4	33.92	387.0	34.79	397.2	35.12
100	23	28.1	337.2	7.46	364.8	8.76	397.2	10.13	432.0	11.33	445.2	11.63	462.0	12.01	475.2	12.28
	32	31.5	337.2	7.46	364.8	8.76	397.2	10.13	432.0	11.33	445.2	11.63	462.0	12.01	475.2	12.28
	41	36.2	337.2	7.46	364.8	8.76	397.2	10.13	432.0	11.33	445.2	11.63	462.0	12.01	475.2	12.28
	50	42.6	337.2	7.46	364.8	8.76	397.2	10.13	432.0	11.33	445.2	11.63	462.0	12.01	475.2	12.28
		53.3	337.2	7.32	364.8	8.59	397.2	9.97	432.0	11.18	445.2	11.47	462.0	11.82	475.2	12.05
		106.5	337.2	6.74	364.8	7.95	397.2	9.34	432.0	10.56	445.2	10.85	462.0	11.07	475.2	11.18
		133.1	337.2	6.64	364.8	7.78	397.2	9.17	432.0	10.26	445.2	10.55	462.0	10.84	475.2	11.02
		159.8	337.2	6.59	364.8	7.69	397.2	9.08	432.0	10.11	445.2	10.40	462.0	10.72	475.2	10.94
	59	42.6	337.2	10.15	364.8	11.82	397.2	13.77	432.0	15.46	445.2	15.82	462.0	16.26	475.2	16.57
		53.3	337.2	9.95	364.8	11.63	397.2	13.54	432.0	15.22	445.2	15.58	462.0	16.00	475.2	16.30
		106.5	337.2	9.17	364.8	10.85	397.2	12.65	432.0	14.26	445.2	14.62	462.0	14.98	475.2	15.22
		133.1	337.2	8.93	364.8	10.61	397.2	12.41	432.0	13.96	445.2	14.32	462.0	14.68	475.2	14.86
		159.8	337.2	8.81	364.8	10.49	397.2	12.29	432.0	13.81	445.2	14.17	462.0	14.53	475.2	14.68
	67	42.6	337.2	12.53	364.8	14.55	397.2	17.01	432.0	19.14	445.2	19.56	462.0	20.04	475.2	20.40
		53.3	337.2	12.29	364.8	14.32	397.2	16.72	432.0	18.82	445.2	19.24	462.0	19.72	475.2	20.08
		106.5	337.2	11.33	364.8	13.42	397.2	15.58	432.0	17.56	445.2	17.98	462.0	18.46	475.2	18.82
		133.1	337.2	10.97	364.8	13.13	397.2	15.28	432.0	17.26	445.2	17.68	462.0	18.10	475.2	18.28
		159.8	337.2	10.79	364.8	12.98	397.2	15.13	432.0	17.11	445.2	17.53	462.0	17.92	475.2	18.01
	75	42.6	337.2	15.29	364.8	17.79	397.2	20.71	432.0	23.33	445.2	23.89	462.0	24.41	475.2	24.92
		53.3	337.2	14.98	364.8	17.50	397.2	20.38	432.0	22.95	445.2	23.49	462.0	24.03	475.2	24.51
		106.5	337.2	13.78	364.8	16.36	397.2	19.06	432.0	21.46	445.2	21.94	462.0	22.53	475.2	22.89
		133.1	337.2	13.42	364.8	16.00	397.2	18.64	432.0	21.04	445.2	21.52	462.0	22.11	475.2	22.29
		159.8	337.2	13.25	364.8	15.82	397.2	18.43	432.0	20.83	445.2	21.31	462.0	21.91	475.2	22.00
	86	42.6	337.2	18.84	364.8	21.88	397.2	25.46	432.0	28.70	445.2	29.37	462.0	30.09	475.2	30.65
		53.3	337.2	18.46	364.8	21.52	397.2	25.05	432.0	28.23	445.2	28.89	462.0	29.61	475.2	30.15
		106.5	337.2	16.96	364.8	20.08	397.2	23.43	432.0	26.37	445.2	26.97	462.0	27.69	475.2	28.17
		133.1	337.2	16.48	364.8	19.66	397.2	22.95	432.0	25.83	445.2	26.49	462.0	27.15	475.2	27.45
		159.8	337.2	16.24	364.8	19.45	397.2	22.72	432.0	25.56	445.2	26.25	462.0	26.88	475.2	27.09
	95	42.6	320.4	19.87	346.8	23.09	377.4	26.87	410.4	30.29	423.0	31.00	439.2	31.72	451.2	32.28
		53.3	320.4	19.48	346.8	22.71	377.4	26.43	410.4	29.79	423.0	30.51	439.2	31.22	451.2	31.76
		106.5	320.4	17.92	346.8	21.22	377.4	24.69	410.4	27.81	423.0	28.53	439.2	29.25	451.2	29.73
		133.1	320.4	17.38	346.8	20.80	377.4	24.21	410.4	27.27	423.0	27.99	439.2	28.71	451.2	28.95
		159.8	320.4	17.11	346.8	20.59	377.4	23.97	410.4	27.00	423.0	27.72	439.2	28.44	451.2	28.56
	104	42.6	303.0	22.25	328.2	25.89	357.6	30.15	388.8	33.93	400.2	34.80	415.8	35.64	427.8	36.23
		53.3	303.0	21.82	328.2	25.47	357.6	29.67	388.8	33.38	400.2	34.22	415.8	35.06	427.8	35.66
		106.5	303.0	20.08	328.2	23.79	357.6	27.75	388.8	31.22	400.2	31.94	415.8	32.78	427.8	33.38
		133.1	303.0	19.54	328.2	23.31	357.6	27.15	388.8	30.63	400.2	31.40	415.8	32.18	427.8	32.48
		159.8	303.0	19.27	328.2	23.07	357.6	26.85	388.8	30.33	400.2	31.14	415.8	31.89	427.8	32.04
	113	42.6	285.6	24.64	309.6	28.70	337.8	33.43	367.2	37.57	377.4	38.59	392.4	39.55	404.4	40.19
		53.3	285.6	24.15	309.6	28.23	337.8	32.90	367.2	36.98	377.4	37.94	392.4	38.90	404.4	39.56
		106.5	285.6	22.23	309.6	26.37	337.8	30.80	367.2	34.64	377.4	35.36	392.4	36.32	404.4	37.04
		133.1	285.6	21.70	309.6	25.83	337.8	30.09	367.2	33.98	377.4	34.82	392.4	35.66	404.4	36.02
		159.8	285.6	21.43	309.6	25.56	337.8	29.73	367.2	33.65	377.4	34.55	392.4	35.33	404.4	35.51
90	23	28.1	303.0	6.46	328.2	7.49	357.6	8.64	388.8	9.83	400.2	10.08	415.8	10.39	427.8	10.56
	32	31.5	303.0	6.46	328.2	7.49	357.6	8.64	388.8	9.83	400.2	10.08	415.8	10.39	427.8	10.56
	41	36.2	303.0	6.46	328.2	7.49	357.6	8.64	388.8	9.83	400.2	10.08	415.8	10.39	427.8	10.56
	50	42.6	303.0	6.46	328.2	7.49	357.6	8.64	388.8	9.83	400.2	10.08	415.8	10.39	427.8	10.56
		53.3	303.0	6.35	328.2	7.38	357.6	8.53	388.8	9.69	400.2	9.92	415.8	10.21	427.8	10.38
		106.5	303.0	5.89	328.2	6.92	357.6	8.08	388.8	9.12	400.2	9.28	415.8	9.51	427.8	9.69
		133.1	303.0	5.65	328.2	6.81	357.6	7.84	388.8	8.88	400.2	9.11	415.8	9.34	427.8	9.39
		159.8	303.0	5.53	328.2	6.75	357.6	7.72	388.8	8.76	400.2	9.02	415.8	9.26	427.8	9.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	42.6	303.0	8.74	328.2	10.18	357.6	11.81	388.8	13.34	400.2	13.64	415.8	14.01	427.8	14.25
		53.3	303.0	8.57	328.2	10.01	357.6	11.63	388.8	13.13	400.2	13.42	415.8	13.78	427.8	14.02
		106.5	303.0	7.91	328.2	9.35	357.6	10.91	388.8	12.29	400.2	12.59	415.8	12.89	427.8	13.13
		133.1	303.0	7.67	328.2	9.17	357.6	10.67	388.8	12.05	400.2	12.35	415.8	12.65	427.8	12.77
		159.8	303.0	7.55	328.2	9.08	357.6	10.55	388.8	11.93	400.2	12.23	415.8	12.53	427.8	12.59
	67	42.6	303.0	10.76	328.2	12.56	357.6	14.63	388.8	16.45	400.2	16.80	415.8	17.23	427.8	17.53
		53.3	303.0	10.55	328.2	12.35	357.6	14.38	388.8	16.18	400.2	16.54	415.8	16.96	427.8	17.26
		106.5	303.0	9.71	328.2	11.51	357.6	13.42	388.8	15.10	400.2	15.52	415.8	15.88	427.8	16.18
		133.1	303.0	9.47	328.2	11.27	357.6	13.19	388.8	14.86	400.2	15.22	415.8	15.58	427.8	15.76
		159.8	303.0	9.35	328.2	11.15	357.6	13.07	388.8	14.74	400.2	15.07	415.8	15.43	427.8	15.55
	75	42.6	303.0	13.14	328.2	15.29	357.6	17.79	388.8	20.04	400.2	20.53	415.8	21.01	427.8	21.44
		53.3	303.0	12.89	328.2	15.04	357.6	17.50	388.8	19.72	400.2	20.20	415.8	20.68	427.8	21.10
		106.5	303.0	11.87	328.2	14.08	357.6	16.36	388.8	18.46	400.2	18.88	415.8	19.36	427.8	19.72
		133.1	303.0	11.51	328.2	13.78	357.6	16.06	388.8	18.10	400.2	18.52	415.8	19.00	427.8	19.24
		159.8	303.0	11.33	328.2	13.64	357.6	15.91	388.8	17.92	400.2	18.34	415.8	18.82	427.8	19.00
	86	42.6	303.0	16.21	328.2	18.82	357.6	21.94	388.8	24.67	400.2	25.28	415.8	25.88	427.8	26.37
		53.3	303.0	15.88	328.2	18.52	357.6	21.58	388.8	24.27	400.2	24.87	415.8	25.47	427.8	25.95
		106.5	303.0	14.56	328.2	17.32	357.6	20.14	388.8	22.71	400.2	23.25	415.8	23.85	427.8	24.27
		133.1	303.0	14.20	328.2	16.96	357.6	19.72	388.8	22.23	400.2	22.83	415.8	23.37	427.8	23.61
		159.8	303.0	14.02	328.2	16.78	357.6	19.51	388.8	22.00	400.2	22.63	415.8	23.13	427.8	23.29
	95	42.6	294.6	17.49	319.2	20.28	348.0	23.63	378.0	26.61	389.4	27.23	404.4	27.89	415.8	28.44
		53.3	294.6	17.14	319.2	19.96	348.0	23.25	378.0	26.19	389.4	26.79	404.4	27.45	415.8	27.99
		106.5	294.6	15.76	319.2	18.70	348.0	21.76	378.0	24.51	389.4	25.05	404.4	25.71	415.8	26.19
		133.1	294.6	15.28	319.2	18.28	348.0	21.28	378.0	24.03	389.4	24.63	404.4	25.23	415.8	25.47
		159.8	294.6	15.04	319.2	18.07	348.0	21.04	378.0	23.79	389.4	24.42	404.4	24.99	415.8	25.11
	104	42.6	286.2	20.05	310.2	23.33	337.8	27.17	367.2	30.59	378.0	31.30	393.0	32.10	403.8	32.64
		53.3	286.2	19.66	310.2	22.95	337.8	26.73	367.2	30.09	378.0	30.80	393.0	31.58	403.8	32.12
		106.5	286.2	18.10	310.2	21.46	337.8	24.99	367.2	28.11	378.0	28.83	393.0	29.55	403.8	30.09
		133.1	286.2	17.56	310.2	20.98	337.8	24.45	367.2	27.57	378.0	28.29	393.0	29.01	403.8	29.31
		159.8	286.2	17.29	310.2	20.74	337.8	24.18	367.2	27.30	378.0	28.02	393.0	28.74	403.8	28.92
	113	42.6	277.8	22.61	301.2	26.39	327.6	30.71	356.4	34.56	366.6	35.38	381.6	36.31	391.8	36.83
		53.3	277.8	22.17	301.2	25.95	327.6	30.21	356.4	33.98	366.6	34.82	381.6	35.72	391.8	36.26
		106.5	277.8	20.44	301.2	24.21	327.6	28.23	356.4	31.70	366.6	32.60	381.6	33.38	391.8	33.98
		133.1	277.8	19.84	301.2	23.67	327.6	27.63	356.4	31.10	366.6	31.94	381.6	32.78	391.8	33.14
		159.8	277.8	19.54	301.2	23.40	327.6	27.33	356.4	30.81	366.6	31.62	381.6	32.48	391.8	32.72
80	23	28.1	269.4	5.42	292.2	6.25	318.0	7.34	345.6	8.34	355.8	8.43	369.6	8.76	380.4	8.79
	32	31.5	269.4	5.42	292.2	6.25	318.0	7.34	345.6	8.34	355.8	8.43	369.6	8.76	380.4	8.79
	41	36.2	269.4	5.42	292.2	6.25	318.0	7.34	345.6	8.34	355.8	8.43	369.6	8.76	380.4	8.79
	50	42.6	269.4	5.42	292.2	6.25	318.0	7.34	345.6	8.34	355.8	8.43	369.6	8.76	380.4	8.79
		53.3	269.4	5.30	292.2	6.17	318.0	7.21	345.6	8.20	355.8	8.30	369.6	8.60	380.4	8.65
		106.5	269.4	4.84	292.2	5.83	318.0	6.68	345.6	7.61	355.8	7.78	369.6	7.96	380.4	8.07
		133.1	269.4	4.73	292.2	5.65	318.0	6.57	345.6	7.37	355.8	7.54	369.6	7.84	380.4	7.96
		159.8	269.4	4.67	292.2	5.56	318.0	6.51	345.6	7.25	355.8	7.42	369.6	7.79	380.4	7.91
	59	42.6	269.4	7.34	292.2	8.53	318.0	9.94	345.6	11.21	355.8	11.45	369.6	11.76	380.4	11.94
		53.3	269.4	7.19	292.2	8.39	318.0	9.77	345.6	11.03	355.8	11.27	369.6	11.57	380.4	11.75
		106.5	269.4	6.59	292.2	7.85	318.0	9.11	345.6	10.31	355.8	10.55	369.6	10.79	380.4	10.97
		133.1	269.4	6.41	292.2	7.67	318.0	8.93	345.6	10.07	355.8	10.31	369.6	10.61	380.4	10.73
		159.8	269.4	6.32	292.2	7.58	318.0	8.84	345.6	9.95	355.8	10.19	369.6	10.52	380.4	10.61
	67	42.6	269.4	9.05	292.2	10.55	318.0	12.24	345.6	13.76	355.8	14.13	369.6	14.43	380.4	14.75
		53.3	269.4	8.87	292.2	10.37	318.0	12.05	345.6	13.54	355.8	13.90	369.6	14.20	380.4	14.50
		106.5	269.4	8.15	292.2	9.65	318.0	11.27	345.6	12.71	355.8	13.01	369.6	13.30	380.4	13.54
		133.1	269.4	7.91	292.2	9.47	318.0	11.03	345.6	12.47	355.8	12.77	369.6	13.07	380.4	13.19
		159.8	269.4	7.79	292.2	9.38	318.0	10.91	345.6	12.35	355.8	12.65	369.6	12.95	380.4	13.01
	75	42.6	269.4	11.00	292.2	12.78	318.0	14.93	345.6	16.81	355.8	17.25	369.6	17.67	380.4	17.97
		53.3	269.4	10.79	292.2	12.59	318.0	14.68	345.6	16.54	355.8	16.96	369.6	17.38	380.4	17.68
		106.5	269.4	9.95	292.2	11.81	318.0	13.72	345.6	15.46	355.8	15.82	369.6	16.24	380.4	16.54
		133.1	269.4	9.65	292.2	11.57	318.0	13.48	345.6	15.16	355.8	15.52	369.6	15.94	380.4	16.12
		159.8	269.4	9.50	292.2	11.45	318.0	13.37	345.6	15.01	355.8	15.37	369.6	15.79	380.4	15.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	42.6	269.4	13.58	292.2	15.78	318.0	18.40	345.6	20.72	355.8	21.20	369.6	21.68	380.4	22.12
		53.3	269.4	13.30	292.2	15.52	318.0	18.10	345.6	20.38	355.8	20.86	369.6	21.34	380.4	21.76
		106.5	269.4	12.23	292.2	14.50	318.0	16.90	345.6	19.00	355.8	19.48	369.6	19.96	380.4	20.32
		133.1	269.4	11.87	292.2	14.20	318.0	16.54	345.6	18.64	355.8	19.12	369.6	19.60	380.4	19.78
		159.8	269.4	11.69	292.2	14.05	318.0	16.36	345.6	18.46	355.8	18.94	369.6	19.42	380.4	19.51
	95	42.6	269.4	15.11	292.2	17.55	318.0	20.41	345.6	22.96	355.8	23.51	369.6	24.13	380.4	24.55
		53.3	269.4	14.80	292.2	17.26	318.0	20.08	345.6	22.59	355.8	23.13	369.6	23.73	380.4	24.15
		106.5	269.4	13.60	292.2	16.12	318.0	18.76	345.6	21.16	355.8	21.64	369.6	22.17	380.4	22.59
		133.1	269.4	13.24	292.2	15.76	318.0	18.40	345.6	20.74	355.8	21.22	369.6	21.82	380.4	21.99
		159.8	269.4	13.07	292.2	15.58	318.0	18.22	345.6	20.53	355.8	21.01	369.6	21.64	380.4	21.70
	104	42.6	269.4	17.85	292.2	20.78	318.0	24.19	345.6	27.23	355.8	27.83	369.6	28.56	380.4	29.04
		53.3	269.4	17.50	292.2	20.44	318.0	23.79	345.6	26.79	355.8	27.39	369.6	28.11	380.4	28.59
		106.5	269.4	16.12	292.2	19.06	318.0	22.23	345.6	25.05	355.8	25.65	369.6	26.31	380.4	26.79
		133.1	269.4	15.64	292.2	18.70	318.0	21.76	345.6	24.57	355.8	25.17	369.6	25.77	380.4	26.07
		159.8	269.4	15.40	292.2	18.52	318.0	21.52	345.6	24.33	355.8	24.93	369.6	25.50	380.4	25.71
	113	42.6	269.4	20.59	292.2	24.02	318.0	27.96	345.6	31.50	355.8	32.14	369.6	33.00	380.4	33.54
		53.3	269.4	20.20	292.2	23.61	318.0	27.51	345.6	30.98	355.8	31.64	369.6	32.48	380.4	33.02
		106.5	269.4	18.64	292.2	21.99	318.0	25.71	345.6	28.95	355.8	29.67	369.6	30.45	380.4	30.98
		133.1	269.4	18.04	292.2	21.64	318.0	25.11	345.6	28.41	355.8	29.13	369.6	29.73	380.4	30.15
		159.8	269.4	17.74	292.2	21.46	318.0	24.81	345.6	28.14	355.8	28.86	369.6	29.37	380.4	29.73
70	23	28.1	235.8	4.53	255.6	5.20	278.4	6.16	302.4	6.93	311.4	6.95	323.4	7.21	332.4	7.31
	32	31.5	235.8	4.53	255.6	5.20	278.4	6.16	302.4	6.93	311.4	6.95	323.4	7.21	332.4	7.31
	41	36.2	235.8	4.53	255.6	5.20	278.4	6.16	302.4	6.93	311.4	6.95	323.4	7.21	332.4	7.31
	50	42.6	235.8	4.53	255.6	5.20	278.4	6.16	302.4	6.93	311.4	6.95	323.4	7.21	332.4	7.31
		53.3	235.8	4.44	255.6	5.13	278.4	6.06	302.4	6.81	311.4	6.85	323.4	7.09	332.4	7.21
		106.5	235.8	4.10	255.6	4.85	278.4	5.66	302.4	6.35	311.4	6.46	323.4	6.63	332.4	6.81
		133.1	235.8	3.92	255.6	4.67	278.4	5.48	302.4	6.17	311.4	6.28	323.4	6.52	332.4	6.64
		159.8	235.8	3.83	255.6	4.58	278.4	5.39	302.4	6.08	311.4	6.19	323.4	6.46	332.4	6.55
	59	42.6	235.8	6.11	255.6	7.06	278.4	8.29	302.4	9.32	311.4	9.50	323.4	9.74	332.4	9.92
		53.3	235.8	5.99	255.6	6.95	278.4	8.15	302.4	9.17	311.4	9.35	323.4	9.59	332.4	9.77
		106.5	235.8	5.51	255.6	6.53	278.4	7.61	302.4	8.57	311.4	8.75	323.4	8.99	332.4	9.17
		133.1	235.8	5.33	255.6	6.35	278.4	7.43	302.4	8.39	311.4	8.57	323.4	8.81	332.4	8.93
		159.8	235.8	5.24	255.6	6.26	278.4	7.34	302.4	8.30	311.4	8.48	323.4	8.72	332.4	8.81
	67	42.6	235.8	7.52	255.6	8.71	278.4	10.18	302.4	11.45	311.4	11.76	323.4	11.99	332.4	12.24
		53.3	235.8	7.37	255.6	8.57	278.4	10.01	302.4	11.27	311.4	11.57	323.4	11.81	332.4	12.05
		106.5	235.8	6.77	255.6	8.03	278.4	9.35	302.4	10.55	311.4	10.79	323.4	11.09	332.4	11.27
		133.1	235.8	6.59	255.6	7.85	278.4	9.17	302.4	10.37	311.4	10.61	323.4	10.85	332.4	10.97
		159.8	235.8	6.50	255.6	7.76	278.4	9.08	302.4	10.28	311.4	10.52	323.4	10.73	332.4	10.82
	75	42.6	235.8	9.17	255.6	10.65	278.4	12.42	302.4	14.01	311.4	14.31	323.4	14.69	332.4	14.93
		53.3	235.8	8.99	255.6	10.49	278.4	12.23	302.4	13.78	311.4	14.08	323.4	14.44	332.4	14.68
		106.5	235.8	8.27	255.6	9.83	278.4	11.45	302.4	12.89	311.4	13.19	323.4	13.48	332.4	13.72
		133.1	235.8	8.03	255.6	9.59	278.4	11.21	302.4	12.59	311.4	12.95	323.4	13.24	332.4	13.36
		159.8	235.8	7.91	255.6	9.47	278.4	11.09	302.4	12.44	311.4	12.83	323.4	13.13	332.4	13.19
	86	42.6	235.8	11.31	255.6	13.10	278.4	15.30	302.4	17.17	311.4	17.61	323.4	18.03	332.4	18.33
		53.3	235.8	11.09	255.6	12.89	278.4	15.04	302.4	16.90	311.4	17.32	323.4	17.74	332.4	18.04
		106.5	235.8	10.19	255.6	12.05	278.4	14.02	302.4	15.82	311.4	16.18	323.4	16.60	332.4	16.90
		133.1	235.8	9.89	255.6	11.81	278.4	13.78	302.4	15.52	311.4	15.88	323.4	16.30	332.4	16.48
		159.8	235.8	9.74	255.6	11.69	278.4	13.67	302.4	15.37	311.4	15.73	323.4	16.15	332.4	16.27
	95	42.6	235.8	12.53	255.6	14.55	278.4	17.01	302.4	19.14	311.4	19.56	323.4	20.04	332.4	20.40
		53.3	235.8	12.29	255.6	14.32	278.4	16.72	302.4	18.82	311.4	19.24	323.4	19.72	332.4	20.08
		106.5	235.8	11.33	255.6	13.42	278.4	15.58	302.4	17.56	311.4	17.98	323.4	18.46	332.4	18.82
		133.1	235.8	10.97	255.6	13.13	278.4	15.28	302.4	17.26	311.4	17.68	323.4	18.10	332.4	18.28
		159.8	235.8	10.79	255.6	12.98	278.4	15.13	302.4	17.11	311.4	17.53	323.4	17.92	332.4	18.01
	104	42.6	235.8	14.87	255.6	17.23	278.4	20.11	302.4	22.60	311.4	23.14	323.4	23.75	332.4	24.19
		53.3	235.8	14.56	255.6	16.96	278.4	19.78	302.4	22.23	311.4	22.77	323.4	23.37	332.4	23.79
		106.5	235.8	13.36	255.6	15.88	278.4	18.46	302.4	20.80	311.4	21.34	323.4	21.88	332.4	22.23
		133.1	235.8	13.01	255.6	15.52	278.4	18.10	302.4	20.44	311.4	20.92	323.4	21.46	332.4	21.70
		159.8	235.8	12.83	255.6	15.34	278.4	17.92	302.4	20.26	311.4	20.71	323.4	21.25	332.4	21.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	42.6	235.8	17.20	255.6	19.92	278.4	23.21	302.4	26.06	311.4	26.72	323.4	27.47	332.4	27.98
		53.3	235.8	16.84	255.6	19.60	278.4	22.83	302.4	25.65	311.4	26.31	323.4	27.03	332.4	27.51
		106.5	235.8	15.40	255.6	18.34	278.4	21.34	302.4	24.03	311.4	24.69	323.4	25.29	332.4	25.65
		133.1	235.8	15.04	255.6	17.92	278.4	20.92	302.4	23.61	311.4	24.15	323.4	24.81	332.4	25.11
		159.8	235.8	14.86	255.6	17.71	278.4	20.71	302.4	23.40	311.4	23.88	323.4	24.57	332.4	24.84
60	23	28.1	202.2	3.67	219.0	4.23	238.2	4.88	259.2	5.51	267.0	5.66	277.2	5.84	285.0	5.86
	32	31.5	202.2	3.67	219.0	4.23	238.2	4.88	259.2	5.51	267.0	5.66	277.2	5.84	285.0	5.86
	41	36.2	202.2	3.67	219.0	4.23	238.2	4.88	259.2	5.51	267.0	5.66	277.2	5.84	285.0	5.86
	50	42.6	202.2	3.67	219.0	4.23	238.2	4.88	259.2	5.51	267.0	5.66	277.2	5.84	285.0	5.86
		53.3	202.2	3.58	219.0	4.16	238.2	4.79	259.2	5.42	267.0	5.54	277.2	5.72	285.0	5.77
		106.5	202.2	3.23	219.0	3.87	238.2	4.43	259.2	5.08	267.0	5.06	277.2	5.24	285.0	5.42
		133.1	202.2	3.11	219.0	3.75	238.2	4.38	259.2	4.96	267.0	5.01	277.2	5.12	285.0	5.18
		159.8	202.2	3.05	219.0	3.69	238.2	4.36	259.2	4.90	267.0	4.99	277.2	5.06	285.0	5.06
	59	42.6	202.2	4.90	219.0	5.66	238.2	6.58	259.2	7.43	267.0	7.63	277.2	7.81	285.0	7.91
		53.3	202.2	4.79	219.0	5.57	238.2	6.47	259.2	7.31	267.0	7.49	277.2	7.67	285.0	7.79
		106.5	202.2	4.38	219.0	5.21	238.2	6.05	259.2	6.83	267.0	6.95	277.2	7.13	285.0	7.31
		133.1	202.2	4.26	219.0	5.09	238.2	5.93	259.2	6.71	267.0	6.83	277.2	7.01	285.0	7.07
		159.8	202.2	4.20	219.0	5.03	238.2	5.87	259.2	6.65	267.0	6.77	277.2	6.95	285.0	6.95
	67	42.6	202.2	5.99	219.0	6.94	238.2	8.09	259.2	9.14	267.0	9.38	277.2	9.56	285.0	9.74
		53.3	202.2	5.87	219.0	6.83	238.2	7.97	259.2	8.99	267.0	9.23	277.2	9.41	285.0	9.59
		106.5	202.2	5.39	219.0	6.41	238.2	7.49	259.2	8.39	267.0	8.63	277.2	8.81	285.0	8.99
		133.1	202.2	5.27	219.0	6.29	238.2	7.31	259.2	8.27	267.0	8.45	277.2	8.69	285.0	8.75
		159.8	202.2	5.21	219.0	6.23	238.2	7.22	259.2	8.21	267.0	8.36	277.2	8.63	285.0	8.63
	75	42.6	202.2	7.34	219.0	8.47	238.2	9.86	259.2	11.15	267.0	11.39	277.2	11.69	285.0	11.87
		53.3	202.2	7.19	219.0	8.33	238.2	9.71	259.2	10.97	267.0	11.21	277.2	11.51	285.0	11.69
		106.5	202.2	6.59	219.0	7.79	238.2	9.11	259.2	10.25	267.0	10.49	277.2	10.79	285.0	10.97
		133.1	202.2	6.41	219.0	7.67	238.2	8.93	259.2	10.07	267.0	10.31	277.2	10.55	285.0	10.67
		159.8	202.2	6.32	219.0	7.61	238.2	8.84	259.2	9.98	267.0	10.22	277.2	10.43	285.0	10.52
	86	42.6	202.2	8.99	219.0	10.49	238.2	12.18	259.2	13.71	267.0	14.01	277.2	14.37	285.0	14.61
		53.3	202.2	8.81	219.0	10.31	238.2	11.99	259.2	13.48	267.0	13.78	277.2	14.14	285.0	14.38
		106.5	202.2	8.09	219.0	9.59	238.2	11.21	259.2	12.59	267.0	12.89	277.2	13.24	285.0	13.48
		133.1	202.2	7.91	219.0	9.41	238.2	10.97	259.2	12.35	267.0	12.65	277.2	13.01	285.0	13.13
		159.8	202.2	7.82	219.0	9.32	238.2	10.85	259.2	12.23	267.0	12.53	277.2	12.89	285.0	12.95
	95	42.6	202.2	9.97	219.0	11.64	238.2	13.52	259.2	15.23	267.0	15.60	277.2	15.94	285.0	16.26
		53.3	202.2	9.77	219.0	11.45	238.2	13.30	259.2	14.98	267.0	15.34	277.2	15.70	285.0	16.00
		106.5	202.2	8.99	219.0	10.67	238.2	12.47	259.2	14.02	267.0	14.32	277.2	14.74	285.0	14.98
		133.1	202.2	8.75	219.0	10.43	238.2	12.17	259.2	13.72	267.0	14.08	277.2	14.44	285.0	14.56
		159.8	202.2	8.63	219.0	10.31	238.2	12.02	259.2	13.58	267.0	13.96	277.2	14.29	285.0	14.35
	104	42.6	202.2	11.87	219.0	13.77	238.2	16.02	259.2	18.03	267.0	18.46	277.2	18.94	285.0	19.24
		53.3	202.2	11.63	219.0	13.54	238.2	15.76	259.2	17.74	267.0	18.16	277.2	18.64	285.0	18.94
		106.5	202.2	10.67	219.0	12.65	238.2	14.74	259.2	16.60	267.0	16.96	277.2	17.44	285.0	17.74
		133.1	202.2	10.37	219.0	12.41	238.2	14.44	259.2	16.24	267.0	16.66	277.2	17.08	285.0	17.26
		159.8	202.2	10.22	219.0	12.29	238.2	14.29	259.2	16.06	267.0	16.51	277.2	16.90	285.0	17.02
	113	42.6	202.2	13.77	219.0	15.90	238.2	18.52	259.2	20.83	267.0	21.32	277.2	21.94	285.0	22.22
		53.3	202.2	13.48	219.0	15.64	238.2	18.22	259.2	20.50	267.0	20.98	277.2	21.58	285.0	21.88
		106.5	202.2	12.35	219.0	14.62	238.2	17.02	259.2	19.18	267.0	19.60	277.2	20.14	285.0	20.50
		133.1	202.2	11.99	219.0	14.38	238.2	16.72	259.2	18.76	267.0	19.24	277.2	19.72	285.0	19.96
		159.8	202.2	11.81	219.0	14.26	238.2	16.57	259.2	18.55	267.0	19.06	277.2	19.51	285.0	19.69
50	23	28.1	168.6	2.62	182.4	3.10	198.6	3.73	216.0	4.11	222.6	4.15	231.0	4.28	237.6	4.40
	32	31.5	168.6	2.62	182.4	3.10	198.6	3.73	216.0	4.11	222.6	4.15	231.0	4.28	237.6	4.40
	41	36.2	168.6	2.62	182.4	3.10	198.6	3.73	216.0	4.11	222.6	4.15	231.0	4.28	237.6	4.40
	50	42.6	168.6	2.62	182.4	3.10	198.6	3.73	216.0	4.11	222.6	4.15	231.0	4.28	237.6	4.40
		53.3	168.6	2.59	182.4	3.06	198.6	3.64	216.0	4.04	222.6	4.09	231.0	4.21	237.6	4.33
		106.5	168.6	2.49	182.4	2.88	198.6	3.28	216.0	3.75	222.6	3.87	231.0	3.92	237.6	4.04
		133.1	168.6	2.37	182.4	2.76	198.6	3.29	216.0	3.63	222.6	3.75	231.0	3.80	237.6	3.86
		159.8	168.6	2.31	182.4	2.70	198.6	3.29	216.0	3.57	222.6	3.69	231.0	3.74	237.6	3.77
	59	42.6	168.6	3.60	182.4	4.20	198.6	4.95	216.0	5.54	222.6	5.66	231.0	5.78	237.6	5.90
		53.3	168.6	3.54	182.4	4.14	198.6	4.85	216.0	5.45	222.6	5.57	231.0	5.69	237.6	5.81
		106.5	168.6	3.30	182.4	3.90	198.6	4.49	216.0	5.09	222.6	5.21	231.0	5.33	237.6	5.45
		133.1	168.6	3.18	182.4	3.78	198.6	4.43	216.0	4.97	222.6	5.09	231.0	5.21	237.6	5.27
		159.8	168.6	3.12	182.4	3.72	198.6	4.41	216.0	4.91	222.6	5.03	231.0	5.15	237.6	5.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN432BAS4, ARWB432BAS4

Cooling Capacity

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	42.6	168.6	4.47	182.4	5.17	198.6	6.02	216.0	6.82	222.6	7.01	231.0	7.12	237.6	7.24
		53.3	168.6	4.38	182.4	5.09	198.6	5.93	216.0	6.71	222.6	6.89	231.0	7.01	237.6	7.13
		106.5	168.6	4.02	182.4	4.79	198.6	5.57	216.0	6.29	222.6	6.41	231.0	6.59	237.6	6.71
		133.1	168.6	3.90	182.4	4.67	198.6	5.45	216.0	6.17	222.6	6.29	231.0	6.47	237.6	6.53
		159.8	168.6	3.84	182.4	4.62	198.6	5.39	216.0	6.11	222.6	6.23	231.0	6.41	237.6	6.44
	75	42.6	168.6	5.44	182.4	6.34	198.6	7.37	216.0	8.27	222.6	8.53	231.0	8.71	237.6	8.90
		53.3	168.6	5.33	182.4	6.23	198.6	7.25	216.0	8.15	222.6	8.39	231.0	8.57	237.6	8.75
		106.5	168.6	4.91	182.4	5.81	198.6	6.77	216.0	7.67	222.6	7.85	231.0	8.03	237.6	8.15
		133.1	168.6	4.79	182.4	5.69	198.6	6.65	216.0	7.49	222.6	7.67	231.0	7.85	237.6	7.97
		159.8	168.6	4.73	182.4	5.63	198.6	6.59	216.0	7.40	222.6	7.58	231.0	7.76	237.6	7.88
	86	42.6	168.6	6.73	182.4	7.79	198.6	9.08	216.0	10.24	222.6	10.47	231.0	10.71	237.6	10.89
		53.3	168.6	6.59	182.4	7.67	198.6	8.93	216.0	10.07	222.6	10.31	231.0	10.55	237.6	10.73
		106.5	168.6	6.05	182.4	7.19	198.6	8.33	216.0	9.41	222.6	9.65	231.0	9.89	237.6	10.07
		133.1	168.6	5.87	182.4	7.01	198.6	8.15	216.0	9.23	222.6	9.47	231.0	9.71	237.6	9.77
		159.8	168.6	5.78	182.4	6.92	198.6	8.06	216.0	9.14	222.6	9.38	231.0	9.62	237.6	9.62
	95	42.6	168.6	7.46	182.4	8.65	198.6	10.12	216.0	11.33	222.6	11.64	231.0	11.94	237.6	12.12
		53.3	168.6	7.31	182.4	8.51	198.6	9.95	216.0	11.15	222.6	11.45	231.0	11.75	237.6	11.93
		106.5	168.6	6.71	182.4	7.97	198.6	9.29	216.0	10.43	222.6	10.67	231.0	10.97	237.6	11.15
		133.1	168.6	6.53	182.4	7.79	198.6	9.11	216.0	10.25	222.6	10.49	231.0	10.79	237.6	10.85
		159.8	168.6	6.44	182.4	7.70	198.6	9.02	216.0	10.16	222.6	10.40	231.0	10.70	237.6	10.70
	104	42.6	168.6	8.80	182.4	10.24	198.6	11.94	216.0	13.47	222.6	13.77	231.0	14.13	237.6	14.37
		53.3	168.6	8.63	182.4	10.07	198.6	11.75	216.0	13.24	222.6	13.54	231.0	13.90	237.6	14.14
		106.5	168.6	7.97	182.4	9.41	198.6	10.97	216.0	12.35	222.6	12.65	231.0	13.01	237.6	13.24
		133.1	168.6	7.73	182.4	9.23	198.6	10.79	216.0	12.11	222.6	12.41	231.0	12.77	237.6	12.89
		159.8	168.6	7.61	182.4	9.14	198.6	10.70	216.0	11.99	222.6	12.29	231.0	12.65	237.6	12.71
	113	42.6	168.6	10.13	182.4	11.82	198.6	13.77	216.0	15.62	222.6	15.90	231.0	16.32	237.6	16.62
		53.3	168.6	9.95	182.4	11.63	198.6	13.54	216.0	15.34	222.6	15.64	231.0	16.06	237.6	16.36
		106.5	168.6	9.23	182.4	10.85	198.6	12.65	216.0	14.26	222.6	14.62	231.0	15.04	237.6	15.34
		133.1	168.6	8.93	182.4	10.67	198.6	12.47	216.0	13.96	222.6	14.32	231.0	14.74	237.6	14.92
		159.8	168.6	8.78	182.4	10.58	198.6	12.38	216.0	13.81	222.6	14.17	231.0	14.59	237.6	14.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	8.1	38.3	4.28	38.0	4.03	37.8	3.75	37.3	3.64	37.7	3.55	36.7	3.18
		10.2	39.6	4.36	39.3	4.11	39.1	3.84	38.6	3.72	39.0	3.62	38.0	3.25
		20.3	44.8	4.65	44.5	4.42	44.2	4.16	43.6	4.04	44.2	3.93	43.0	3.53
		25.4	49.6	4.95	49.1	4.72	48.8	4.48	48.2	4.37	48.8	4.24	47.5	3.80
		30.5	52.0	5.10	51.5	4.88	51.1	4.65	50.5	4.53	51.2	4.39	49.8	3.94
	32	8.1	68.5	5.86	66.9	5.68	65.5	5.50	64.0	5.34	64.3	5.20	61.3	4.65
		10.2	68.9	5.87	67.3	5.70	65.9	5.51	64.4	5.36	64.6	5.21	61.7	4.67
		20.3	70.5	5.94	68.8	5.75	67.4	5.58	65.9	5.42	66.2	5.27	63.2	4.72
		25.4	71.6	5.94	69.8	5.75	68.4	5.58	66.9	5.42	67.1	5.27	64.1	4.72
		30.5	72.1	5.94	70.4	5.75	68.9	5.58	67.4	5.42	67.6	5.27	64.6	4.72
	41	8.1	98.6	6.30	97.1	6.14	95.1	5.98	92.7	5.82	90.2	5.66	85.2	5.06
		10.2	98.9	6.33	97.3	6.17	95.1	6.02	92.7	5.85	90.2	5.68	85.2	5.09
		20.3	100.3	6.44	98.0	6.28	95.2	6.14	92.7	5.97	90.2	5.80	85.2	5.20
		25.4	100.9	6.48	98.3	6.33	95.2	6.18	92.7	6.01	90.2	5.84	85.2	5.23
		30.5	101.2	6.50	98.4	6.35	95.2	6.20	92.7	6.03	90.2	5.86	85.2	5.25
	50	8.1	98.7	5.73	97.1	5.54	94.8	5.43	92.3	5.31	89.8	5.13	84.9	4.63
		10.2	99.3	5.72	97.6	5.54	95.2	5.44	92.7	5.31	90.2	5.13	85.2	4.63
		20.3	101.6	5.68	99.4	5.56	96.7	5.49	94.2	5.30	91.5	5.11	86.6	4.61
		25.4	102.2	5.75	100.1	5.64	97.3	5.51	94.6	5.32	92.2	5.20	87.1	4.83
		30.5	102.4	5.79	100.4	5.68	97.6	5.52	94.9	5.33	92.5	5.24	87.4	4.94
	59	8.1	98.9	5.16	97.1	4.94	94.4	4.89	91.9	4.81	89.5	4.61	84.5	4.20
		10.2	99.7	5.11	97.9	4.92	95.2	4.88	92.7	4.77	90.2	4.57	85.2	4.16
		20.3	102.9	4.91	100.8	4.84	98.2	4.84	95.7	4.63	92.9	4.43	87.9	4.02
		25.4	103.5	5.03	101.8	4.95	99.4	4.84	96.7	4.63	94.2	4.56	89.0	4.43
		30.5	103.7	5.09	102.3	5.01	100.0	4.84	97.2	4.63	94.8	4.62	89.5	4.63
	68	8.1	102.6	4.74	100.8	4.52	98.1	4.42	95.4	4.28	92.6	4.18	87.1	4.05
		10.2	103.5	4.70	101.6	4.51	98.9	4.41	96.1	4.29	93.4	4.21	87.9	4.02
		20.3	106.7	4.57	104.8	4.50	101.9	4.40	99.2	4.37	96.7	4.32	91.2	3.89
		25.4	107.1	4.57	105.6	4.50	103.1	4.43	100.1	4.37	97.4	4.32	91.9	4.13
		30.5	107.4	4.57	105.9	4.50	103.7	4.44	100.6	4.37	97.8	4.32	92.3	4.26
	77	8.1	108.4	4.52	105.6	4.39	103.1	4.31	101.1	4.24	98.9	4.18	93.2	3.90
		10.2	108.4	4.50	105.6	4.38	103.1	4.29	101.1	4.22	98.9	4.16	93.2	3.89
		20.3	108.4	4.43	105.6	4.35	103.1	4.22	101.1	4.16	98.9	4.09	93.2	3.81
		25.4	108.4	4.37	105.6	4.24	103.1	4.16	101.1	4.09	98.9	4.02	93.2	3.75
		30.5	108.4	4.33	105.6	4.18	103.1	4.13	101.1	4.05	98.9	3.98	93.2	3.72
	86	8.1	108.4	4.40	105.6	4.18	103.1	4.14	101.1	4.04	98.9	3.99	93.2	3.71
		10.2	108.4	4.37	105.6	4.17	103.1	4.12	101.1	4.02	98.9	3.96	93.2	3.68
		20.3	108.4	4.22	105.6	4.15	103.1	4.02	101.1	3.96	98.9	3.81	93.2	3.55
		25.4	108.4	4.16	105.6	4.03	103.1	3.96	101.1	3.89	98.9	3.81	93.2	3.55
		30.5	108.4	4.13	105.6	3.98	103.1	3.92	101.1	3.85	98.9	3.81	93.2	3.55
	95	8.1	108.4	4.20	105.6	4.06	103.1	3.97	101.1	3.83	98.9	3.70	93.2	3.44
		10.2	108.4	4.16	105.6	4.03	103.1	3.96	101.1	3.81	98.9	3.68	93.2	3.41
		20.3	108.4	4.02	105.6	3.94	103.1	3.89	101.1	3.75	98.9	3.61	93.2	3.27
		25.4	108.4	4.02	105.6	3.90	103.1	3.81	101.1	3.68	98.9	3.55	93.2	3.27
		30.5	108.4	4.02	105.6	3.88	103.1	3.78	101.1	3.65	98.9	3.52	93.2	3.27
	104	8.1	108.4	4.05	105.6	3.92	103.1	3.85	101.1	3.71	98.9	3.58	93.2	3.24
		10.2	108.4	4.02	105.6	3.90	103.1	3.81	101.1	3.68	98.9	3.55	93.2	3.20
		20.3	108.4	3.89	105.6	3.80	103.1	3.68	101.1	3.55	98.9	3.41	93.2	3.07
		25.4	108.4	3.81	105.6	3.74	103.1	3.68	101.1	3.55	98.9	3.41	93.2	3.07
		30.5	108.4	3.78	105.6	3.71	103.1	3.68	101.1	3.55	98.9	3.41	93.2	3.07
	113	8.1	108.4	3.92	105.6	3.79	103.1	3.73	101.1	3.60	98.9	3.46	93.2	3.03
		10.2	108.4	3.89	105.6	3.77	103.1	3.68	101.1	3.55	98.9	3.41	93.2	3.00
		20.3	108.4	3.75	105.6	3.67	103.1	3.48	101.1	3.34	98.9	3.20	93.2	2.86
		25.4	108.4	3.61	105.6	3.58	103.1	3.55	101.1	3.41	98.9	3.27	93.2	2.86
		30.5	108.4	3.54	105.6	3.53	103.1	3.58	101.1	3.44	98.9	3.31	93.2	2.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	8.1	36.4	4.28	36.1	4.03	35.9	3.75	35.5	3.60	35.8	3.49	34.8	3.12
		10.2	37.7	4.36	37.4	4.11	37.1	3.84	36.7	3.67	37.0	3.57	36.0	3.19
		20.3	42.6	4.65	42.3	4.42	42.0	4.16	41.5	3.98	41.9	3.87	40.8	3.47
		25.4	47.1	4.95	46.7	4.72	46.4	4.48	45.9	4.30	46.3	4.17	45.0	3.74
		30.5	49.3	5.10	49.0	4.88	48.6	4.65	48.1	4.46	48.5	4.33	47.1	3.87
	32	8.1	65.1	5.86	63.5	5.68	62.2	5.50	60.9	5.27	60.9	5.12	58.1	4.58
		10.2	65.5	5.87	63.9	5.70	62.5	5.51	61.3	5.28	61.3	5.13	58.5	4.59
		20.3	67.0	5.94	65.4	5.75	64.0	5.58	62.7	5.35	62.7	5.19	59.9	4.65
		25.4	68.0	5.94	66.5	5.75	65.0	5.58	63.7	5.35	63.6	5.19	60.8	4.65
		30.5	68.6	5.94	67.0	5.75	65.5	5.58	64.2	5.35	64.1	5.19	61.3	4.65
	41	8.1	93.8	6.30	92.4	6.14	90.4	5.98	88.2	5.73	85.4	5.57	80.8	4.99
		10.2	94.2	6.33	92.6	6.17	90.4	6.02	88.2	5.76	85.4	5.60	80.8	5.01
		20.3	95.5	6.44	93.3	6.28	90.4	6.14	88.2	5.88	85.4	5.71	80.8	5.11
		25.4	96.1	6.48	92.8	6.33	90.4	6.18	88.2	5.92	85.4	5.75	80.8	5.15
		30.5	96.3	6.50	92.5	6.35	90.4	6.20	88.2	5.94	85.4	5.78	80.8	5.17
	50	8.1	94.2	5.66	92.4	5.50	90.2	5.39	88.0	5.23	85.2	5.05	80.6	4.54
		10.2	94.6	5.68	92.8	5.52	90.4	5.41	88.2	5.23	85.4	5.05	80.8	4.55
		20.3	96.4	5.75	94.3	5.61	91.4	5.49	89.2	5.26	86.3	5.03	81.6	4.57
		25.4	96.9	5.73	94.0	5.61	91.8	5.51	89.6	5.28	86.7	5.06	82.0	4.72
		30.5	97.2	5.72	93.9	5.61	92.0	5.52	89.8	5.29	86.9	5.07	82.2	4.80
	59	8.1	94.5	5.02	92.6	4.87	89.9	4.79	87.7	4.72	85.0	4.53	80.3	4.11
		10.2	95.0	5.03	93.1	4.88	90.4	4.80	88.2	4.70	85.4	4.50	80.8	4.09
		20.3	97.2	5.07	95.4	4.92	92.5	4.84	90.2	4.63	87.2	4.37	82.5	4.02
		25.4	97.7	4.99	95.3	4.88	93.2	4.84	90.9	4.63	87.9	4.37	83.3	4.29
		30.5	98.0	4.95	95.3	4.86	93.6	4.84	91.3	4.63	88.3	4.37	83.6	4.43
	68	8.1	97.1	4.51	95.3	4.32	92.4	4.21	89.8	4.14	86.9	4.09	82.2	3.89
		10.2	97.7	4.51	95.8	4.34	92.9	4.22	90.4	4.16	87.5	4.09	82.7	3.87
		20.3	100.2	4.51	98.1	4.40	94.9	4.29	92.7	4.22	89.7	4.08	84.7	3.81
		25.4	100.7	4.47	98.0	4.37	95.7	4.29	93.2	4.22	90.2	4.09	85.2	3.96
		30.5	100.9	4.45	98.0	4.35	96.1	4.29	93.5	4.22	90.5	4.10	85.5	4.03
	77	8.1	101.8	4.27	98.9	4.07	95.7	3.99	93.7	3.90	91.2	3.83	86.2	3.56
		10.2	101.9	4.25	98.9	4.06	95.7	3.98	93.7	3.89	91.2	3.81	86.2	3.55
		20.3	102.1	4.19	98.9	4.03	95.7	3.96	93.7	3.81	91.2	3.75	86.2	3.48
		25.4	102.4	4.03	98.9	3.93	95.7	3.89	93.7	3.81	91.2	3.68	86.2	3.48
		30.5	102.6	3.96	98.9	3.87	95.7	3.85	93.7	3.81	91.2	3.65	86.2	3.48
	86	8.1	102.4	4.08	98.9	3.88	95.7	3.77	93.7	3.63	91.2	3.58	86.2	3.29
		10.2	102.4	4.05	98.9	3.86	95.7	3.75	93.7	3.61	91.2	3.55	86.2	3.27
		20.3	102.4	3.91	98.9	3.77	95.7	3.68	93.7	3.55	91.2	3.41	86.2	3.20
		25.4	102.4	3.79	98.9	3.68	95.7	3.61	93.7	3.55	91.2	3.41	86.2	3.14
		30.5	102.4	3.72	98.9	3.64	95.7	3.57	93.7	3.55	91.2	3.41	86.2	3.11
	95	8.1	102.4	3.90	98.9	3.69	95.7	3.58	93.7	3.44	91.2	3.31	86.2	3.01
		10.2	102.4	3.84	98.9	3.65	95.7	3.55	93.7	3.41	91.2	3.27	86.2	3.00
		20.3	102.4	3.62	98.9	3.52	95.7	3.41	93.7	3.27	91.2	3.14	86.2	2.93
		25.4	102.4	3.58	98.9	3.49	95.7	3.41	93.7	3.27	91.2	3.14	86.2	2.86
		30.5	102.4	3.56	98.9	3.48	95.7	3.41	93.7	3.27	91.2	3.14	86.2	2.83
	104	8.1	102.4	3.78	98.9	3.52	95.7	3.38	93.7	3.24	91.2	3.10	86.2	2.81
		10.2	102.4	3.71	98.9	3.48	95.7	3.34	93.7	3.20	91.2	3.07	86.2	2.79
		20.3	102.4	3.42	98.9	3.31	95.7	3.20	93.7	3.07	91.2	2.93	86.2	2.73
		25.4	102.4	3.38	98.9	3.27	95.7	3.20	93.7	3.07	91.2	2.93	86.2	2.66
		30.5	102.4	3.36	98.9	3.25	95.7	3.20	93.7	3.07	91.2	2.93	86.2	2.62
	113	8.1	102.4	3.67	98.9	3.35	95.7	3.17	93.7	3.03	91.2	2.90	86.2	2.60
		10.2	102.4	3.58	98.9	3.30	95.7	3.14	93.7	3.00	91.2	2.86	86.2	2.59
		20.3	102.4	3.22	98.9	3.11	95.7	3.00	93.7	2.86	91.2	2.73	86.2	2.52
		25.4	102.4	3.17	98.9	3.05	95.7	3.00	93.7	2.86	91.2	2.73	86.2	2.45
		30.5	102.4	3.15	98.9	3.02	95.7	3.00	93.7	2.86	91.2	2.73	86.2	2.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	8.1	34.5	4.34	34.2	4.03	34.0	3.75	33.7	3.60	33.7	3.49	33.0	3.12
		10.2	35.6	4.41	35.4	4.11	35.2	3.84	34.8	3.67	34.9	3.57	34.1	3.19
		20.3	40.3	4.71	40.1	4.42	39.9	4.16	39.4	3.98	39.4	3.87	38.7	3.47
		25.4	44.5	5.01	44.2	4.72	44.0	4.48	43.6	4.30	43.6	4.17	42.6	3.74
		30.5	46.7	5.17	46.3	4.88	46.1	4.65	45.6	4.46	45.6	4.33	44.7	3.87
	32	8.1	61.6	5.94	60.2	5.68	59.0	5.50	57.8	5.27	57.3	5.12	55.1	4.58
		10.2	61.9	5.95	60.6	5.70	59.3	5.51	58.2	5.28	57.6	5.13	55.5	4.59
		20.3	63.4	6.01	62.0	5.75	60.7	5.58	59.5	5.35	59.0	5.19	56.7	4.65
		25.4	64.3	6.01	63.0	5.75	61.6	5.58	60.4	5.35	59.9	5.19	57.6	4.65
		30.5	64.8	6.01	63.5	5.75	62.1	5.58	60.9	5.35	60.4	5.19	58.0	4.65
	41	8.1	89.8	6.38	87.7	6.14	85.7	5.98	83.7	5.73	80.5	5.57	76.6	4.99
		10.2	90.1	6.41	87.9	6.17	85.7	6.02	83.7	5.76	80.5	5.60	76.6	5.01
		20.3	91.3	6.52	88.5	6.28	85.7	6.14	83.7	5.88	80.5	5.71	76.6	5.11
		25.4	91.9	6.57	88.8	6.33	85.7	6.18	83.7	5.92	80.5	5.75	76.6	5.15
		30.5	92.1	6.59	88.9	6.35	85.7	6.20	83.7	5.94	80.5	5.78	76.6	5.17
	50	8.1	90.2	5.72	87.9	5.53	85.5	5.41	83.6	5.23	80.3	5.05	76.5	4.54
		10.2	90.5	5.73	88.2	5.54	85.7	5.42	83.7	5.23	80.5	5.05	76.6	4.55
		20.3	91.9	5.78	89.1	5.61	86.2	5.49	84.2	5.26	81.0	5.03	76.9	4.57
		25.4	92.4	5.78	89.4	5.61	86.5	5.47	84.4	5.25	81.2	5.06	77.2	4.62
		30.5	92.6	5.78	89.6	5.61	86.7	5.47	84.5	5.24	81.2	5.07	77.3	4.64
	59	8.1	90.4	5.06	88.1	4.92	85.5	4.84	83.5	4.72	80.2	4.53	76.4	4.11
		10.2	90.8	5.06	88.4	4.92	85.7	4.84	83.7	4.70	80.5	4.50	76.6	4.09
		20.3	92.3	5.03	89.7	4.92	86.7	4.84	84.7	4.63	81.5	4.37	77.3	4.02
		25.4	92.8	4.99	90.1	4.88	87.2	4.77	85.0	4.57	81.8	4.37	77.8	4.09
		30.5	93.1	4.97	90.3	4.86	87.4	4.74	85.1	4.54	81.9	4.37	78.0	4.13
	68	8.1	92.1	4.37	89.6	4.27	86.7	4.16	84.4	4.09	81.3	3.97	77.0	3.72
		10.2	92.6	4.38	89.9	4.27	87.0	4.16	84.7	4.09	81.5	3.96	77.3	3.71
		20.3	94.6	4.41	91.1	4.27	87.9	4.16	86.0	4.09	82.5	3.89	78.5	3.68
		25.4	95.1	4.41	91.9	4.27	88.5	4.16	86.2	4.02	83.0	3.89	78.7	3.68
		30.5	95.4	4.41	92.2	4.27	88.7	4.16	86.3	3.98	83.2	3.89	78.9	3.68
	77	8.1	95.0	3.98	92.2	3.83	88.5	3.77	86.5	3.63	83.5	3.49	79.0	3.20
		10.2	95.2	3.97	92.2	3.81	88.5	3.75	86.5	3.61	83.5	3.48	79.0	3.20
		20.3	95.9	3.94	92.2	3.75	88.5	3.68	86.5	3.55	83.5	3.41	79.0	3.20
		25.4	96.4	3.94	92.2	3.77	88.5	3.61	86.5	3.55	83.5	3.34	79.0	3.14
		30.5	96.6	3.94	92.2	3.77	88.5	3.57	86.5	3.55	83.5	3.31	79.0	3.11
	86	8.1	96.4	3.63	92.2	3.49	88.5	3.36	86.5	3.29	83.5	3.09	79.0	2.88
		10.2	96.4	3.61	92.2	3.48	88.5	3.34	86.5	3.27	83.5	3.07	79.0	2.86
		20.3	96.4	3.55	92.2	3.41	88.5	3.27	86.5	3.20	83.5	3.00	79.0	2.79
		25.4	96.4	3.52	92.2	3.34	88.5	3.20	86.5	3.14	83.5	3.00	79.0	2.79
		30.5	96.4	3.50	92.2	3.31	88.5	3.17	86.5	3.11	83.5	3.00	79.0	2.79
	95	8.1	96.4	3.44	92.2	3.22	88.5	3.09	86.5	2.95	83.5	2.81	79.0	2.60
		10.2	96.4	3.41	92.2	3.20	88.5	3.07	86.5	2.93	83.5	2.79	79.0	2.59
		20.3	96.4	3.27	92.2	3.14	88.5	3.00	86.5	2.86	83.5	2.73	79.0	2.52
		25.4	96.4	3.19	92.2	3.07	88.5	2.93	86.5	2.86	83.5	2.73	79.0	2.52
		30.5	96.4	3.14	92.2	3.03	88.5	2.90	86.5	2.86	83.5	2.73	79.0	2.52
	104	8.1	96.4	3.24	92.2	3.10	88.5	2.90	86.5	2.75	83.5	2.60	79.0	2.40
		10.2	96.4	3.20	92.2	3.07	88.5	2.86	86.5	2.73	83.5	2.59	79.0	2.38
		20.3	96.4	3.07	92.2	2.93	88.5	2.73	86.5	2.66	83.5	2.52	79.0	2.32
		25.4	96.4	3.03	92.2	2.86	88.5	2.73	86.5	2.59	83.5	2.45	79.0	2.25
		30.5	96.4	3.00	92.2	2.83	88.5	2.73	86.5	2.55	83.5	2.42	79.0	2.21
	113	8.1	96.4	3.03	92.2	2.99	88.5	2.71	86.5	2.54	83.5	2.40	79.0	2.20
		10.2	96.4	3.00	92.2	2.93	88.5	2.66	86.5	2.52	83.5	2.38	79.0	2.18
		20.3	96.4	2.86	92.2	2.73	88.5	2.45	86.5	2.45	83.5	2.32	79.0	2.12
		25.4	96.4	2.86	92.2	2.66	88.5	2.52	86.5	2.32	83.5	2.18	79.0	1.97
		30.5	96.4	2.86	92.2	2.62	88.5	2.56	86.5	2.25	83.5	2.11	79.0	1.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	8.1	32.6	4.34	32.3	4.09	32.2	3.75	31.9	3.60	31.6	3.44	31.0	3.12
		10.2	33.7	4.41	33.5	4.17	33.3	3.84	33.0	3.67	32.7	3.51	32.1	3.19
		20.3	38.1	4.71	37.9	4.48	37.7	4.16	37.3	3.98	37.0	3.81	36.4	3.47
		25.4	42.1	5.01	41.8	4.79	41.6	4.48	41.2	4.30	40.9	4.11	40.2	3.74
		30.5	44.1	5.17	43.8	4.94	43.6	4.65	43.2	4.46	42.9	4.26	42.1	3.87
	32	8.1	58.2	5.94	56.9	5.76	55.7	5.50	54.8	5.27	53.8	5.04	51.9	4.58
		10.2	58.5	5.95	57.3	5.78	56.1	5.51	55.1	5.28	54.1	5.06	52.2	4.59
		20.3	59.9	6.01	58.6	5.83	57.3	5.58	56.4	5.35	55.4	5.11	53.4	4.65
		25.4	60.8	6.01	59.5	5.83	58.2	5.58	57.2	5.35	56.2	5.11	54.3	4.65
		30.5	61.3	6.01	60.0	5.83	58.7	5.58	57.6	5.35	56.6	5.11	54.7	4.65
	41	8.1	85.9	6.38	83.0	6.23	80.9	5.98	79.3	5.73	75.5	5.49	72.0	4.99
		10.2	86.2	6.41	83.2	6.25	80.9	6.02	79.3	5.76	75.5	5.51	72.0	5.01
		20.3	87.4	6.52	83.8	6.37	81.0	6.14	79.3	5.88	75.5	5.63	72.0	5.11
		25.4	87.9	6.57	84.0	6.41	81.0	6.18	79.3	5.92	75.5	5.66	72.0	5.15
		30.5	88.2	6.59	84.1	6.43	81.0	6.20	79.3	5.94	75.5	5.68	72.0	5.17
	50	8.1	86.4	5.71	83.3	5.58	81.0	5.41	79.3	5.23	75.5	4.97	72.0	4.54
		10.2	86.6	5.73	83.4	5.60	81.0	5.42	79.3	5.23	75.5	4.97	72.0	4.55
		20.3	87.4	5.84	83.9	5.67	81.0	5.49	79.3	5.26	75.5	4.99	72.0	4.57
		25.4	88.0	5.82	84.2	5.67	81.0	5.47	79.3	5.25	75.5	4.98	72.0	4.55
		30.5	88.3	5.81	84.4	5.67	81.0	5.47	79.3	5.24	75.5	4.97	72.0	4.54
	59	8.1	86.8	5.03	83.7	4.95	81.0	4.84	79.3	4.72	75.5	4.44	72.0	4.11
		10.2	87.0	5.06	83.7	4.95	81.0	4.84	79.3	4.70	75.5	4.43	72.0	4.09
		20.3	87.4	5.15	83.9	4.96	81.0	4.84	79.3	4.63	75.5	4.37	72.0	4.02
		25.4	88.2	5.07	84.4	4.92	81.0	4.77	79.3	4.57	75.5	4.29	72.0	3.96
		30.5	88.5	5.03	84.6	4.90	81.0	4.74	79.3	4.54	75.5	4.26	72.0	3.92
	68	8.1	87.3	4.30	84.1	4.19	81.0	4.09	79.3	4.04	75.5	3.77	72.0	3.58
		10.2	87.6	4.32	84.2	4.20	81.0	4.09	79.3	4.02	75.5	3.75	72.0	3.55
		20.3	88.9	4.40	84.4	4.21	81.0	4.09	79.3	3.96	75.5	3.68	72.0	3.41
		25.4	89.4	4.32	85.1	4.17	81.0	4.02	79.3	3.89	75.5	3.61	72.0	3.34
		30.5	89.7	4.28	85.5	4.16	81.0	3.98	79.3	3.85	75.5	3.57	72.0	3.31
	77	8.1	88.4	3.76	85.4	3.64	81.0	3.49	79.3	3.36	75.5	3.16	72.0	2.86
		10.2	88.7	3.77	85.4	3.62	81.0	3.48	79.3	3.34	75.5	3.14	72.0	2.86
		20.3	90.0	3.78	85.4	3.55	81.0	3.41	79.3	3.27	75.5	3.07	72.0	2.86
		25.4	90.4	3.70	85.4	3.52	81.0	3.34	79.3	3.20	75.5	3.07	72.0	2.79
		30.5	90.6	3.65	85.4	3.50	81.0	3.31	79.3	3.17	75.5	3.07	72.0	2.76
	86	8.1	90.4	3.42	85.4	3.16	81.0	2.94	79.3	2.88	75.5	2.66	72.0	2.54
		10.2	90.4	3.41	85.4	3.14	81.0	2.93	79.3	2.86	75.5	2.66	72.0	2.52
		20.3	90.4	3.34	85.4	3.07	81.0	2.91	79.3	2.79	75.5	2.66	72.0	2.45
		25.4	90.4	3.27	85.4	3.07	81.0	2.86	79.3	2.79	75.5	2.59	72.0	2.45
		30.5	90.4	3.24	85.4	3.07	81.0	2.84	79.3	2.79	75.5	2.55	72.0	2.45
	95	8.1	90.4	3.17	85.4	2.90	81.0	2.60	79.3	2.54	75.5	2.40	72.0	2.20
		10.2	90.4	3.14	85.4	2.86	81.0	2.59	79.3	2.52	75.5	2.38	72.0	2.18
		20.3	90.4	3.00	85.4	2.73	81.0	2.56	79.3	2.45	75.5	2.32	72.0	2.12
		25.4	90.4	3.00	85.4	2.73	81.0	2.52	79.3	2.45	75.5	2.32	72.0	2.12
		30.5	90.4	3.00	85.4	2.73	81.0	2.51	79.3	2.45	75.5	2.32	72.0	2.12
	104	8.1	90.4	2.97	85.4	2.69	81.0	2.33	79.3	2.27	75.5	2.13	72.0	1.99
		10.2	90.4	2.93	85.4	2.66	81.0	2.32	79.3	2.25	75.5	2.12	72.0	1.97
		20.3	90.4	2.79	85.4	2.52	81.0	2.29	79.3	2.18	75.5	2.05	72.0	1.91
		25.4	90.4	2.73	85.4	2.52	81.0	2.25	79.3	2.18	75.5	2.05	72.0	1.91
		30.5	90.4	2.70	85.4	2.52	81.0	2.23	79.3	2.18	75.5	2.05	72.0	1.91
	113	8.1	90.4	2.76	85.4	2.49	81.0	2.05	79.3	1.99	75.5	1.86	72.0	1.79
		10.2	90.4	2.73	85.4	2.45	81.0	2.05	79.3	1.97	75.5	1.84	72.0	1.77
		20.3	90.4	2.59	85.4	2.32	81.0	2.02	79.3	1.91	75.5	1.77	72.0	1.71
		25.4	90.4	2.45	85.4	2.32	81.0	1.97	79.3	1.91	75.5	1.77	72.0	1.71
		30.5	90.4	2.39	85.4	2.32	81.0	1.95	79.3	1.91	75.5	1.77	72.0	1.71

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	8.1	30.7	4.03	29.8	3.67	28.9	3.22	28.7	3.07	28.5	2.96	28.0	2.66
		10.2	31.8	4.10	30.8	3.74	29.9	3.29	29.7	3.14	29.5	3.03	28.9	2.71
		20.3	36.0	4.37	34.9	4.01	33.8	3.58	33.6	3.41	33.4	3.29	32.7	2.95
		25.4	39.8	4.65	38.5	4.29	37.4	3.86	37.1	3.67	36.8	3.54	36.2	3.18
		30.5	41.7	4.79	40.3	4.44	39.2	4.00	38.8	3.81	38.6	3.67	37.9	3.30
	32	8.1	55.0	5.49	52.4	5.15	50.0	4.73	49.3	4.51	48.5	4.34	46.7	3.90
		10.2	55.3	5.50	52.7	5.16	50.3	4.74	49.6	4.52	48.8	4.35	46.9	3.91
		20.3	56.6	5.56	53.9	5.22	51.5	4.79	50.7	4.57	49.9	4.40	48.1	3.95
		25.4	57.4	5.56	54.8	5.22	52.4	4.79	51.5	4.57	50.7	4.40	48.8	3.95
		30.5	57.8	5.56	55.2	5.22	52.8	4.79	51.8	4.57	51.1	4.40	49.2	3.95
	41	8.1	77.7	5.89	75.2	5.56	72.8	5.14	71.3	4.90	68.1	4.72	64.9	4.24
		10.2	77.8	5.92	75.1	5.58	72.8	5.17	71.3	4.93	68.1	4.75	64.9	4.26
		20.3	78.1	6.02	74.9	5.69	72.8	5.27	71.3	5.03	68.1	4.84	64.9	4.34
		25.4	78.5	6.06	75.1	5.73	72.8	5.31	71.3	5.06	68.1	4.88	64.9	4.38
		30.5	78.7	6.08	75.2	5.74	72.8	5.33	71.3	5.08	68.1	4.90	64.9	4.40
	50	8.1	78.1	5.20	75.4	4.94	72.8	4.66	71.3	4.47	68.1	4.28	64.9	3.86
		10.2	78.1	5.20	75.3	4.95	72.8	4.66	71.3	4.47	68.1	4.28	64.9	3.86
		20.3	77.9	5.22	75.0	4.97	72.8	4.68	71.3	4.49	68.1	4.27	64.9	3.88
		25.4	78.4	5.20	75.2	4.96	72.8	4.67	71.3	4.48	68.1	4.28	64.9	3.89
		30.5	78.7	5.20	75.3	4.95	72.8	4.66	71.3	4.47	68.1	4.29	64.9	3.90
	59	8.1	78.5	4.50	75.7	4.34	72.8	4.18	71.3	4.04	68.1	3.85	64.9	3.49
		10.2	78.4	4.48	75.6	4.32	72.8	4.16	71.3	4.02	68.1	3.81	64.9	3.48
		20.3	77.8	4.41	75.0	4.25	72.8	4.09	71.3	3.96	68.1	3.68	64.9	3.41
		25.4	78.4	4.35	75.3	4.19	72.8	4.02	71.3	3.89	68.1	3.68	64.9	3.41
		30.5	78.6	4.32	75.4	4.16	72.8	3.98	71.3	3.85	68.1	3.68	64.9	3.41
	68	8.1	79.0	3.80	76.0	3.69	72.8	3.56	71.3	3.42	68.1	3.31	64.9	3.10
		10.2	78.9	3.80	75.9	3.68	72.8	3.55	71.3	3.41	68.1	3.27	64.9	3.07
		20.3	78.6	3.80	75.3	3.64	72.8	3.48	71.3	3.34	68.1	3.14	64.9	2.93
		25.4	78.8	3.74	75.5	3.61	72.8	3.48	71.3	3.34	68.1	3.14	64.9	2.93
		30.5	78.9	3.71	75.6	3.60	72.8	3.48	71.3	3.34	68.1	3.14	64.9	2.93
	77	8.1	80.3	3.32	77.0	3.15	72.8	3.01	71.3	2.86	68.1	2.75	64.9	2.54
		10.2	80.5	3.31	77.0	3.14	72.8	3.00	71.3	2.86	68.1	2.73	64.9	2.52
		20.3	81.2	3.29	77.0	3.11	72.8	2.93	71.3	2.86	68.1	2.66	64.9	2.45
		25.4	81.5	3.20	77.0	3.04	72.8	2.93	71.3	2.79	68.1	2.66	64.9	2.45
		30.5	81.7	3.16	77.0	3.00	72.8	2.93	71.3	2.76	68.1	2.66	64.9	2.45
	86	8.1	81.5	3.01	77.0	2.81	72.8	2.60	71.3	2.54	68.1	2.40	64.9	2.18
		10.2	81.5	3.00	77.0	2.79	72.8	2.59	71.3	2.52	68.1	2.38	64.9	2.18
		20.3	81.5	2.93	77.0	2.73	72.8	2.52	71.3	2.45	68.1	2.32	64.9	2.18
		25.4	81.5	2.86	77.0	2.66	72.8	2.52	71.3	2.45	68.1	2.32	64.9	2.12
		30.5	81.5	2.83	77.0	2.62	72.8	2.52	71.3	2.45	68.1	2.32	64.9	2.08
	95	8.1	81.5	2.75	77.0	2.54	72.8	2.34	71.3	2.27	68.1	2.13	64.9	1.99
		10.2	81.5	2.73	77.0	2.52	72.8	2.32	71.3	2.25	68.1	2.12	64.9	1.97
		20.3	81.5	2.66	77.0	2.45	72.8	2.25	71.3	2.18	68.1	2.05	64.9	1.91
		25.4	81.5	2.59	77.0	2.38	72.8	2.18	71.3	2.12	68.1	2.05	64.9	1.91
		30.5	81.5	2.55	77.0	2.35	72.8	2.14	71.3	2.08	68.1	2.05	64.9	1.91
	104	8.1	81.5	2.56	77.0	2.34	72.8	2.06	71.3	1.99	68.1	1.93	64.9	1.79
		10.2	81.5	2.52	77.0	2.32	72.8	2.05	71.3	1.97	68.1	1.91	64.9	1.77
		20.3	81.5	2.38	77.0	2.25	72.8	1.97	71.3	1.91	68.1	1.84	64.9	1.71
		25.4	81.5	2.38	77.0	2.25	72.8	1.97	71.3	1.91	68.1	1.84	64.9	1.71
		30.5	81.5	2.38	77.0	2.25	72.8	1.97	71.3	1.91	68.1	1.84	64.9	1.71
	113	8.1	81.5	2.37	77.0	2.13	72.8	1.79	71.3	1.72	68.1	1.72	64.9	1.58
		10.2	81.5	2.32	77.0	2.12	72.8	1.77	71.3	1.71	68.1	1.71	64.9	1.57
		20.3	81.5	2.12	77.0	2.05	72.8	1.71	71.3	1.64	68.1	1.64	64.9	1.50
		25.4	81.5	2.18	77.0	2.12	72.8	1.77	71.3	1.71	68.1	1.64	64.9	1.50
		30.5	81.5	2.21	77.0	2.15	72.8	1.80	71.3	1.74	68.1	1.64	64.9	1.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	8.1	29.1	2.87	27.2	2.76	25.8	2.64	25.5	2.55	25.3	2.44	24.8	2.24
		10.2	30.1	2.93	28.2	2.82	26.7	2.70	26.4	2.61	26.2	2.49	25.7	2.29
		20.3	34.0	3.19	31.9	3.06	30.1	2.93	29.8	2.83	29.7	2.70	29.1	2.48
		25.4	37.6	3.43	35.2	3.30	33.3	3.16	32.9	3.05	32.8	2.91	32.1	2.68
		30.5	39.4	3.56	36.9	3.42	34.9	3.28	34.5	3.17	34.3	3.02	33.6	2.78
	32	8.1	51.9	4.21	47.9	4.04	44.6	3.87	43.7	3.74	43.1	3.56	41.5	3.28
		10.2	52.2	4.22	48.1	4.05	44.8	3.89	44.0	3.75	43.4	3.58	41.7	3.29
		20.3	53.5	4.27	49.3	4.10	45.9	3.93	45.1	3.79	44.5	3.62	42.7	3.33
		25.4	54.3	4.27	50.0	4.10	46.6	3.93	45.7	3.79	45.1	3.62	43.4	3.33
		30.5	54.6	4.27	50.4	4.10	47.0	3.93	46.1	3.79	45.5	3.62	43.7	3.33
	41	8.1	71.8	4.58	67.8	4.41	64.8	4.21	63.4	4.07	60.7	3.88	57.6	3.57
		10.2	72.0	4.60	67.9	4.43	64.8	4.23	63.4	4.09	60.7	3.90	57.6	3.59
		20.3	72.6	4.70	68.4	4.51	64.9	4.32	63.4	4.17	60.7	3.98	57.6	3.67
		25.4	72.6	4.73	68.3	4.55	64.9	4.35	63.4	4.20	60.7	4.01	57.6	3.69
		30.5	72.6	4.75	68.3	4.57	64.9	4.37	63.4	4.22	60.7	4.02	57.6	3.70
	50	8.1	72.2	4.22	68.0	4.02	64.8	3.82	63.4	3.71	60.7	3.52	57.6	3.26
		10.2	72.3	4.21	68.1	4.02	64.8	3.82	63.4	3.72	60.7	3.52	57.6	3.26
		20.3	72.6	4.19	68.4	4.00	64.9	3.83	63.4	3.72	60.7	3.53	57.6	3.26
		25.4	72.6	4.17	68.3	4.01	64.9	3.84	63.4	3.70	60.7	3.50	57.6	3.24
		30.5	72.6	4.17	68.3	4.02	64.9	3.85	63.4	3.69	60.7	3.49	57.6	3.23
	59	8.1	72.6	3.85	68.3	3.64	64.9	3.42	63.4	3.36	60.7	3.16	57.6	2.95
		10.2	72.6	3.81	68.3	3.61	64.9	3.41	63.4	3.34	60.7	3.14	57.6	2.93
		20.3	72.6	3.68	68.3	3.48	64.9	3.34	63.4	3.27	60.7	3.07	57.6	2.86
		25.4	72.6	3.61	68.3	3.48	64.9	3.34	63.4	3.20	60.7	3.00	57.6	2.79
		30.5	72.6	3.57	68.3	3.48	64.9	3.34	63.4	3.17	60.7	2.96	57.6	2.76
	68	8.1	72.6	3.22	68.3	3.09	64.9	2.93	63.4	2.88	60.7	2.75	57.6	2.54
		10.2	72.6	3.20	68.3	3.07	64.9	2.93	63.4	2.86	60.7	2.73	57.6	2.52
		20.3	72.6	3.14	68.3	3.00	64.9	2.93	63.4	2.79	60.7	2.66	57.6	2.45
		25.4	72.6	3.07	68.3	2.93	64.9	2.86	63.4	2.79	60.7	2.59	57.6	2.45
		30.5	72.6	3.03	68.3	2.90	64.9	2.83	63.4	2.79	60.7	2.55	57.6	2.45
	77	8.1	72.6	2.88	68.3	2.68	64.9	2.52	63.4	2.47	60.7	2.34	57.6	2.20
		10.2	72.6	2.86	68.3	2.66	64.9	2.52	63.4	2.45	60.7	2.32	57.6	2.18
		20.3	72.6	2.79	68.3	2.59	64.9	2.52	63.4	2.38	60.7	2.25	57.6	2.12
		25.4	72.6	2.73	68.3	2.59	64.9	2.45	63.4	2.38	60.7	2.25	57.6	2.12
		30.5	72.6	2.70	68.3	2.59	64.9	2.42	63.4	2.38	60.7	2.25	57.6	2.12
	86	8.1	72.6	2.54	68.3	2.40	64.9	2.27	63.4	2.20	60.7	2.06	57.6	1.93
		10.2	72.6	2.52	68.3	2.38	64.9	2.25	63.4	2.18	60.7	2.05	57.6	1.91
		20.3	72.6	2.45	68.3	2.32	64.9	2.18	63.4	2.12	60.7	1.97	57.6	1.84
		25.4	72.6	2.45	68.3	2.32	64.9	2.18	63.4	2.12	60.7	1.97	57.6	1.84
		30.5	72.6	2.45	68.3	2.32	64.9	2.18	63.4	2.12	60.7	1.97	57.6	1.84
	95	8.1	72.6	2.34	68.3	2.20	64.9	1.99	63.4	1.91	60.7	1.86	57.6	1.71
		10.2	72.6	2.32	68.3	2.18	64.9	1.97	63.4	1.91	60.7	1.84	57.6	1.71
		20.3	72.6	2.25	68.3	2.12	64.9	1.91	63.4	1.91	60.7	1.77	57.6	1.71
		25.4	72.6	2.25	68.3	2.05	64.9	1.91	63.4	1.84	60.7	1.77	57.6	1.64
		30.5	72.6	2.25	68.3	2.01	64.9	1.91	63.4	1.80	60.7	1.77	57.6	1.60
	104	8.1	72.6	2.21	68.3	1.99	64.9	1.77	63.4	1.79	60.7	1.64	57.6	1.58
		10.2	72.6	2.18	68.3	1.97	64.9	1.77	63.4	1.77	60.7	1.64	57.6	1.57
		20.3	72.6	2.05	68.3	1.91	64.9	1.77	63.4	1.71	60.7	1.64	57.6	1.50
		25.4	72.6	2.05	68.3	1.91	64.9	1.71	63.4	1.71	60.7	1.64	57.6	1.50
		30.5	72.6	2.05	68.3	1.91	64.9	1.67	63.4	1.71	60.7	1.64	57.6	1.50
	113	8.1	72.6	2.10	68.3	1.79	64.9	1.55	63.4	1.67	60.7	1.41	57.6	1.47
		10.2	72.6	2.05	68.3	1.77	64.9	1.57	63.4	1.64	60.7	1.43	57.6	1.43
		20.3	72.6	1.84	68.3	1.71	64.9	1.64	63.4	1.50	60.7	1.50	57.6	1.30
		25.4	72.6	1.84	68.3	1.77	64.9	1.50	63.4	1.57	60.7	1.50	57.6	1.36
		30.5	72.6	1.84	68.3	1.80	64.9	1.43	63.4	1.60	60.7	1.50	57.6	1.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	8.1	25.3	2.46	23.8	2.35	22.5	2.27	22.3	2.14	22.1	2.06	21.8	1.88
		10.2	26.2	2.52	24.6	2.40	23.3	2.32	23.1	2.19	22.9	2.11	22.5	1.92
		20.3	29.7	2.73	27.9	2.60	26.3	2.52	26.1	2.37	25.9	2.28	25.5	2.08
		25.4	32.9	2.95	30.8	2.81	29.1	2.71	28.9	2.55	28.6	2.47	28.1	2.24
		30.5	34.4	3.06	32.3	2.91	30.5	2.81	30.3	2.65	30.0	2.56	29.4	2.32
	32	8.1	45.4	3.61	41.9	3.44	39.0	3.32	38.3	3.13	37.7	3.02	36.3	2.75
		10.2	45.7	3.62	42.2	3.45	39.2	3.34	38.5	3.14	37.9	3.03	36.5	2.76
		20.3	46.7	3.66	43.2	3.48	40.1	3.38	39.4	3.17	38.8	3.07	37.4	2.79
		25.4	47.4	3.66	43.9	3.48	40.7	3.38	40.0	3.17	39.4	3.07	38.0	2.79
		30.5	47.7	3.66	44.2	3.48	41.0	3.38	40.3	3.17	39.7	3.07	38.3	2.79
	41	8.1	62.7	3.93	59.4	3.74	56.6	3.62	55.4	3.41	52.9	3.29	50.4	2.99
		10.2	62.8	3.95	59.5	3.76	56.6	3.64	55.4	3.43	52.9	3.31	50.4	3.00
		20.3	63.4	4.03	60.0	3.84	56.7	3.72	55.4	3.49	52.9	3.38	50.4	3.07
		25.4	63.4	4.05	59.9	3.86	56.7	3.74	55.4	3.52	52.9	3.40	50.4	3.09
		30.5	63.4	4.07	59.9	3.88	56.7	3.76	55.4	3.53	52.9	3.41	50.4	3.10
	50	8.1	63.0	3.62	59.6	3.42	56.7	3.29	55.4	3.11	52.9	2.98	50.4	2.73
		10.2	63.1	3.61	59.7	3.41	56.7	3.29	55.4	3.11	52.9	2.98	50.4	2.73
		20.3	63.4	3.58	59.9	3.38	56.7	3.26	55.4	3.11	52.9	2.98	50.4	2.73
		25.4	63.4	3.60	59.9	3.40	56.7	3.27	55.4	3.12	52.9	2.96	50.4	2.74
		30.5	63.4	3.60	59.9	3.41	56.7	3.28	55.4	3.13	52.9	2.95	50.4	2.74
	59	8.1	63.4	3.31	59.9	3.10	56.7	2.97	55.4	2.81	52.9	2.68	50.4	2.47
		10.2	63.4	3.27	59.9	3.07	56.7	2.93	55.4	2.79	52.9	2.66	50.4	2.45
		20.3	63.4	3.14	59.9	2.93	56.7	2.79	55.4	2.73	52.9	2.59	50.4	2.38
		25.4	63.4	3.14	59.9	2.93	56.7	2.79	55.4	2.73	52.9	2.52	50.4	2.38
		30.5	63.4	3.14	59.9	2.93	56.7	2.79	55.4	2.73	52.9	2.49	50.4	2.38
	68	8.1	63.4	2.75	59.9	2.60	56.7	2.54	55.4	2.47	52.9	2.34	50.4	2.20
		10.2	63.4	2.73	59.9	2.59	56.7	2.52	55.4	2.45	52.9	2.32	50.4	2.18
		20.3	63.4	2.66	59.9	2.52	56.7	2.45	55.4	2.38	52.9	2.25	50.4	2.12
		25.4	63.4	2.66	59.9	2.52	56.7	2.45	55.4	2.32	52.9	2.25	50.4	2.05
		30.5	63.4	2.66	59.9	2.52	56.7	2.45	55.4	2.29	52.9	2.25	50.4	2.01
	77	8.1	63.4	2.47	59.9	2.34	56.7	2.20	55.4	2.13	52.9	1.97	50.4	1.84
		10.2	63.4	2.45	59.9	2.32	56.7	2.18	55.4	2.12	52.9	1.97	50.4	1.84
		20.3	63.4	2.38	59.9	2.25	56.7	2.12	55.4	2.05	52.9	1.97	50.4	1.84
		25.4	63.4	2.32	59.9	2.18	56.7	2.12	55.4	2.05	52.9	1.91	50.4	1.84
		30.5	63.4	2.29	59.9	2.14	56.7	2.12	55.4	2.05	52.9	1.88	50.4	1.84
	86	8.1	63.4	2.20	59.9	2.06	56.7	1.93	55.4	1.84	52.9	1.79	50.4	1.64
		10.2	63.4	2.18	59.9	2.05	56.7	1.91	55.4	1.84	52.9	1.77	50.4	1.64
		20.3	63.4	2.12	59.9	1.97	56.7	1.84	55.4	1.84	52.9	1.71	50.4	1.64
		25.4	63.4	2.12	59.9	1.97	56.7	1.84	55.4	1.77	52.9	1.71	50.4	1.64
		30.5	63.4	2.12	59.9	1.97	56.7	1.84	55.4	1.73	52.9	1.71	50.4	1.64
	95	8.1	63.4	1.99	59.9	1.86	56.7	1.71	55.4	1.72	52.9	1.57	50.4	1.52
		10.2	63.4	1.97	59.9	1.84	56.7	1.71	55.4	1.71	52.9	1.57	50.4	1.50
		20.3	63.4	1.91	59.9	1.77	56.7	1.71	55.4	1.64	52.9	1.57	50.4	1.43
		25.4	63.4	1.91	59.9	1.77	56.7	1.64	55.4	1.64	52.9	1.57	50.4	1.43
		30.5	63.4	1.91	59.9	1.77	56.7	1.60	55.4	1.64	52.9	1.57	50.4	1.43
	104	8.1	63.4	1.86	59.9	1.72	56.7	1.58	55.4	1.50	52.9	1.43	50.4	1.38
		10.2	63.4	1.84	59.9	1.71	56.7	1.57	55.4	1.50	52.9	1.43	50.4	1.36
		20.3	63.4	1.77	59.9	1.64	56.7	1.50	55.4	1.50	52.9	1.43	50.4	1.30
		25.4	63.4	1.77	59.9	1.64	56.7	1.50	55.4	1.43	52.9	1.36	50.4	1.30
		30.5	63.4	1.77	59.9	1.64	56.7	1.50	55.4	1.40	52.9	1.33	50.4	1.30
	113	8.1	63.4	1.72	59.9	1.58	56.7	1.47	55.4	1.28	52.9	1.30	50.4	1.24
		10.2	63.4	1.71	59.9	1.57	56.7	1.43	55.4	1.30	52.9	1.30	50.4	1.23
		20.3	63.4	1.64	59.9	1.50	56.7	1.30	55.4	1.36	52.9	1.30	50.4	1.16
		25.4	63.4	1.64	59.9	1.50	56.7	1.36	55.4	1.23	52.9	1.16	50.4	1.16
		30.5	63.4	1.64	59.9	1.50	56.7	1.39	55.4	1.16	52.9	1.09	50.4	1.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	8.1	21.8	2.00	20.4	1.92	19.3	1.85	19.1	1.72	19.0	1.69	18.6	1.51
		10.2	22.5	2.05	21.1	1.97	20.0	1.89	19.7	1.76	19.7	1.73	19.3	1.54
		20.3	25.5	2.22	23.9	2.14	22.6	2.05	22.4	1.90	22.3	1.88	21.9	1.68
		25.4	28.2	2.39	26.4	2.31	25.0	2.21	24.7	2.06	24.6	2.02	24.1	1.81
		30.5	29.5	2.48	27.6	2.39	26.2	2.30	25.9	2.14	25.8	2.10	25.3	1.87
	32	8.1	39.0	2.93	35.9	2.83	33.5	2.71	32.8	2.52	32.4	2.48	31.2	2.22
		10.2	39.2	2.94	36.1	2.83	33.7	2.71	33.0	2.52	32.6	2.49	31.3	2.22
		20.3	40.1	2.98	36.9	2.86	34.5	2.75	33.8	2.55	33.3	2.52	32.0	2.24
		25.4	40.7	2.98	37.5	2.86	35.0	2.75	34.3	2.55	33.8	2.52	32.6	2.24
		30.5	41.0	2.98	37.8	2.86	35.3	2.75	34.5	2.55	34.1	2.52	32.8	2.24
	41	8.1	53.8	3.19	50.8	3.07	48.7	2.95	47.5	2.74	45.4	2.70	43.3	2.41
		10.2	53.9	3.21	50.9	3.09	48.7	2.96	47.5	2.76	45.4	2.71	43.3	2.42
		20.3	54.4	3.27	51.2	3.15	48.7	3.03	47.5	2.81	45.4	2.77	43.3	2.47
		25.4	54.4	3.30	51.2	3.17	48.7	3.05	47.5	2.83	45.4	2.79	43.3	2.49
		30.5	54.4	3.31	51.1	3.18	48.7	3.06	47.5	2.85	45.4	2.79	43.3	2.50
	50	8.1	54.1	2.93	51.0	2.81	48.7	2.67	47.5	2.50	45.4	2.45	43.3	2.19
		10.2	54.2	2.93	51.0	2.81	48.7	2.67	47.5	2.50	45.4	2.45	43.3	2.20
		20.3	54.4	2.93	51.2	2.81	48.7	2.67	47.5	2.53	45.4	2.44	43.3	2.22
		25.4	54.4	2.94	51.2	2.78	48.7	2.64	47.5	2.50	45.4	2.42	43.3	2.20
		30.5	54.4	2.94	51.1	2.76	48.7	2.63	47.5	2.49	45.4	2.41	43.3	2.19
	59	8.1	54.4	2.68	51.2	2.54	48.7	2.40	47.5	2.25	45.4	2.20	43.3	1.97
		10.2	54.4	2.66	51.2	2.52	48.7	2.38	47.5	2.25	45.4	2.18	43.3	1.97
		20.3	54.4	2.59	51.2	2.45	48.7	2.32	47.5	2.25	45.4	2.12	43.3	1.97
		25.4	54.4	2.59	51.2	2.38	48.7	2.25	47.5	2.18	45.4	2.05	43.3	1.91
		30.5	54.4	2.59	51.2	2.35	48.7	2.21	47.5	2.14	45.4	2.01	43.3	1.88
	68	8.1	54.4	2.34	51.2	2.20	48.7	2.06	47.5	1.99	45.4	1.93	43.3	1.79
		10.2	54.4	2.32	51.2	2.18	48.7	2.05	47.5	1.97	45.4	1.91	43.3	1.77
		20.3	54.4	2.25	51.2	2.12	48.7	1.97	47.5	1.91	45.4	1.84	43.3	1.71
		25.4	54.4	2.25	51.2	2.12	48.7	1.97	47.5	1.91	45.4	1.84	43.3	1.71
		30.5	54.4	2.25	51.2	2.12	48.7	1.97	47.5	1.91	45.4	1.84	43.3	1.71
	77	8.1	54.4	2.06	51.2	1.93	48.7	1.77	47.5	1.79	45.4	1.64	43.3	1.58
		10.2	54.4	2.05	51.2	1.91	48.7	1.77	47.5	1.77	45.4	1.64	43.3	1.57
		20.3	54.4	1.97	51.2	1.84	48.7	1.77	47.5	1.71	45.4	1.64	43.3	1.50
		25.4	54.4	1.97	51.2	1.84	48.7	1.71	47.5	1.71	45.4	1.64	43.3	1.50
		30.5	54.4	1.97	51.2	1.84	48.7	1.67	47.5	1.71	45.4	1.64	43.3	1.50
	86	8.1	54.4	1.86	51.2	1.72	48.7	1.65	47.5	1.58	45.4	1.52	43.3	1.45
		10.2	54.4	1.84	51.2	1.71	48.7	1.64	47.5	1.57	45.4	1.50	43.3	1.43
		20.3	54.4	1.77	51.2	1.64	48.7	1.57	47.5	1.50	45.4	1.43	43.3	1.36
		25.4	54.4	1.77	51.2	1.64	48.7	1.57	47.5	1.50	45.4	1.43	43.3	1.36
		30.5	54.4	1.77	51.2	1.64	48.7	1.57	47.5	1.50	45.4	1.43	43.3	1.36
	95	8.1	54.4	1.64	51.2	1.58	48.7	1.43	47.5	1.45	45.4	1.38	43.3	1.32
		10.2	54.4	1.64	51.2	1.57	48.7	1.43	47.5	1.43	45.4	1.36	43.3	1.30
		20.3	54.4	1.64	51.2	1.50	48.7	1.43	47.5	1.36	45.4	1.30	43.3	1.23
		25.4	54.4	1.64	51.2	1.50	48.7	1.36	47.5	1.36	45.4	1.30	43.3	1.23
		30.5	54.4	1.64	51.2	1.50	48.7	1.33	47.5	1.36	45.4	1.30	43.3	1.23
	104	8.1	54.4	1.50	51.2	1.45	48.7	1.30	47.5	1.32	45.4	1.24	43.3	1.16
		10.2	54.4	1.50	51.2	1.43	48.7	1.30	47.5	1.30	45.4	1.23	43.3	1.16
		20.3	54.4	1.50	51.2	1.36	48.7	1.30	47.5	1.23	45.4	1.16	43.3	1.16
		25.4	54.4	1.50	51.2	1.36	48.7	1.30	47.5	1.23	45.4	1.16	43.3	1.16
		30.5	54.4	1.50	51.2	1.36	48.7	1.30	47.5	1.23	45.4	1.16	43.3	1.16
	113	8.1	54.4	1.36	51.2	1.32	48.7	1.16	47.5	1.17	45.4	1.11	43.3	1.00
		10.2	54.4	1.36	51.2	1.30	48.7	1.16	47.5	1.16	45.4	1.09	43.3	1.02
		20.3	54.4	1.36	51.2	1.23	48.7	1.16	47.5	1.09	45.4	1.02	43.3	1.09
		25.4	54.4	1.36	51.2	1.23	48.7	1.23	47.5	1.09	45.4	1.02	43.3	1.09
		30.5	54.4	1.36	51.2	1.23	48.7	1.26	47.5	1.09	45.4	1.02	43.3	1.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072BAS4, ARWB072BAS4

72,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	8.1	18.2	1.60	17.1	1.51	16.1	1.43	15.9	1.35	15.8	1.27	15.5	1.20
		10.2	18.8	1.63	17.6	1.54	16.7	1.46	16.4	1.38	16.4	1.30	16.0	1.23
		20.3	21.2	1.76	19.9	1.68	18.8	1.58	18.6	1.50	18.5	1.41	18.2	1.33
		25.4	23.4	1.90	22.0	1.81	20.8	1.71	20.6	1.62	20.4	1.52	20.1	1.43
		30.5	24.6	1.98	23.1	1.87	21.8	1.77	21.6	1.68	21.4	1.57	21.1	1.48
	32	8.1	32.4	2.34	30.0	2.22	27.9	2.09	27.3	1.98	26.9	1.86	25.9	1.76
		10.2	32.6	2.34	30.1	2.22	28.0	2.09	27.4	1.99	27.1	1.87	26.1	1.76
		20.3	33.3	2.36	30.8	2.24	28.7	2.12	28.1	2.02	27.7	1.89	26.7	1.78
		25.4	33.8	2.36	31.3	2.24	29.1	2.12	28.6	2.02	28.1	1.89	27.1	1.78
		30.5	34.1	2.36	31.5	2.24	29.3	2.12	28.8	2.02	28.3	1.89	27.4	1.78
	41	8.1	44.7	2.54	42.4	2.41	40.4	2.27	39.5	2.16	37.7	2.03	36.0	1.91
		10.2	44.8	2.55	42.5	2.42	40.5	2.28	39.5	2.17	37.7	2.04	36.0	1.92
		20.3	45.2	2.60	42.8	2.47	40.5	2.33	39.5	2.21	37.7	2.07	36.0	1.96
		25.4	45.2	2.62	42.7	2.49	40.5	2.35	39.5	2.23	37.7	2.09	36.0	1.97
		30.5	45.2	2.63	42.7	2.50	40.5	2.36	39.5	2.24	37.7	2.11	36.0	1.98
	50	8.1	45.0	2.34	42.5	2.20	40.4	2.07	39.5	1.98	37.7	1.83	36.0	1.75
		10.2	45.1	2.33	42.6	2.20	40.5	2.07	39.5	1.97	37.7	1.83	36.0	1.74
		20.3	45.2	2.32	42.8	2.19	40.5	2.05	39.5	1.96	37.7	1.85	36.0	1.73
		25.4	45.2	2.33	42.7	2.20	40.5	2.06	39.5	1.97	37.7	1.83	36.0	1.73
		30.5	45.2	2.34	42.7	2.20	40.5	2.06	39.5	1.97	37.7	1.81	36.0	1.74
	59	8.1	45.2	2.13	42.7	1.99	40.5	1.86	39.5	1.79	37.7	1.64	36.0	1.58
		10.2	45.2	2.12	42.7	1.97	40.5	1.84	39.5	1.77	37.7	1.64	36.0	1.57
		20.3	45.2	2.05	42.7	1.91	40.5	1.77	39.5	1.71	37.7	1.64	36.0	1.50
		25.4	45.2	2.05	42.7	1.91	40.5	1.77	39.5	1.71	37.7	1.57	36.0	1.50
		30.5	45.2	2.05	42.7	1.91	40.5	1.77	39.5	1.71	37.7	1.53	36.0	1.50
	68	8.1	45.2	1.86	42.7	1.72	40.5	1.65	39.5	1.58	37.7	1.52	36.0	1.36
		10.2	45.2	1.84	42.7	1.71	40.5	1.64	39.5	1.57	37.7	1.50	36.0	1.36
		20.3	45.2	1.77	42.7	1.64	40.5	1.57	39.5	1.50	37.7	1.43	36.0	1.36
		25.4	45.2	1.77	42.7	1.64	40.5	1.57	39.5	1.50	37.7	1.43	36.0	1.36
		30.5	45.2	1.77	42.7	1.64	40.5	1.57	39.5	1.50	37.7	1.43	36.0	1.36
	77	8.1	45.2	1.65	42.7	1.50	40.5	1.45	39.5	1.36	37.7	1.30	36.0	1.23
		10.2	45.2	1.64	42.7	1.50	40.5	1.43	39.5	1.36	37.7	1.30	36.0	1.23
		20.3	45.2	1.57	42.7	1.50	40.5	1.36	39.5	1.36	37.7	1.30	36.0	1.23
		25.4	45.2	1.57	42.7	1.50	40.5	1.36	39.5	1.36	37.7	1.30	36.0	1.23
		30.5	45.2	1.57	42.7	1.50	40.5	1.36	39.5	1.36	37.7	1.30	36.0	1.23
	86	8.1	45.2	1.52	42.7	1.38	40.5	1.32	39.5	1.23	37.7	1.24	36.0	1.17
		10.2	45.2	1.50	42.7	1.36	40.5	1.30	39.5	1.23	37.7	1.23	36.0	1.16
		20.3	45.2	1.43	42.7	1.30	40.5	1.23	39.5	1.23	37.7	1.16	36.0	1.09
		25.4	45.2	1.43	42.7	1.30	40.5	1.23	39.5	1.23	37.7	1.16	36.0	1.09
		30.5	45.2	1.43	42.7	1.30	40.5	1.23	39.5	1.23	37.7	1.16	36.0	1.09
	95	8.1	45.2	1.38	42.7	1.23	40.5	1.16	39.5	1.17	37.7	1.09	36.0	1.02
		10.2	45.2	1.36	42.7	1.23	40.5	1.16	39.5	1.16	37.7	1.09	36.0	1.02
		20.3	45.2	1.30	42.7	1.23	40.5	1.16	39.5	1.09	37.7	1.09	36.0	1.02
		25.4	45.2	1.30	42.7	1.23	40.5	1.16	39.5	1.09	37.7	1.09	36.0	1.02
		30.5	45.2	1.30	42.7	1.23	40.5	1.16	39.5	1.09	37.7	1.09	36.0	1.02
	104	8.1	45.2	1.24	42.7	1.17	40.5	1.11	39.5	1.02	37.7	1.04	36.0	0.95
		10.2	45.2	1.23	42.7	1.16	40.5	1.09	39.5	1.02	37.7	1.02	36.0	0.95
		20.3	45.2	1.16	42.7	1.09	40.5	1.02	39.5	1.02	37.7	0.95	36.0	0.95
		25.4	45.2	1.16	42.7	1.09	40.5	1.02	39.5	1.02	37.7	0.95	36.0	0.95
		30.5	45.2	1.16	42.7	1.09	40.5	1.02	39.5	1.02	37.7	0.95	36.0	0.95
	113	8.1	45.2	1.11	42.7	1.13	40.5	1.06	39.5	0.87	37.7	0.99	36.0	0.89
		10.2	45.2	1.09	42.7	1.09	40.5	1.02	39.5	0.89	37.7	0.95	36.0	0.89
		20.3	45.2	1.02	42.7	0.95	40.5	0.89	39.5	0.95	37.7	0.82	36.0	0.89
		25.4	45.2	1.02	42.7	0.95	40.5	0.89	39.5	0.95	37.7	0.82	36.0	0.89
		30.5	45.2	1.02	42.7	0.95	40.5	0.89	39.5	0.95	37.7	0.82	36.0	0.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	10.2	51.1	5.92	50.7	5.57	50.4	5.19	49.7	5.03	50.3	4.90	48.9	4.39
		12.7	52.8	6.02	52.4	5.68	52.1	5.30	51.4	5.14	52.0	5.01	50.6	4.49
		25.4	59.8	6.43	59.3	6.11	59.0	5.75	58.2	5.58	58.9	5.43	57.4	4.87
		31.8	66.1	6.84	65.5	6.53	65.1	6.20	64.3	6.03	65.1	5.85	63.4	5.25
		38.1	69.3	7.04	68.6	6.74	68.2	6.42	67.4	6.26	68.2	6.07	66.4	5.44
	32	10.2	91.3	8.09	89.2	7.85	87.3	7.60	85.4	7.38	85.7	7.18	81.8	6.43
		12.7	91.8	8.11	89.7	7.87	87.8	7.62	85.9	7.40	86.2	7.20	82.3	6.45
		25.4	94.0	8.20	91.7	7.95	89.8	7.71	87.9	7.49	88.2	7.28	84.3	6.53
		31.8	95.4	8.20	93.1	7.95	91.2	7.71	89.2	7.49	89.5	7.28	85.5	6.53
		38.1	96.2	8.20	93.8	7.95	91.9	7.71	89.9	7.49	90.2	7.28	86.1	6.53
	41	10.2	131.5	8.70	129.5	8.48	126.8	8.27	123.6	8.03	120.3	7.81	113.6	7.00
		12.7	131.9	8.74	129.7	8.52	126.8	8.31	123.6	8.08	120.3	7.85	113.6	7.03
		25.4	133.7	8.89	130.6	8.68	126.9	8.48	123.6	8.24	120.3	8.01	113.6	7.18
		31.8	134.5	8.95	131.0	8.74	126.9	8.53	123.6	8.30	120.3	8.07	113.6	7.23
		38.1	134.9	8.98	131.2	8.77	126.9	8.56	123.6	8.33	120.3	8.10	113.6	7.25
	50	10.2	131.6	7.92	129.5	7.65	126.4	7.51	123.1	7.34	119.8	7.09	113.2	6.40
		12.7	132.4	7.90	130.1	7.66	126.9	7.52	123.6	7.34	120.3	7.08	113.6	6.39
		25.4	135.5	7.84	132.5	7.69	128.9	7.58	125.6	7.33	122.1	7.06	115.4	6.37
		31.8	136.2	7.95	133.4	7.79	129.7	7.61	126.2	7.35	122.9	7.18	116.1	6.67
		38.1	136.6	8.00	133.9	7.85	130.1	7.62	126.5	7.37	123.3	7.24	116.5	6.83
	59	10.2	131.8	7.13	129.5	6.83	125.9	6.76	122.6	6.64	119.3	6.36	112.7	5.80
		12.7	132.9	7.06	130.5	6.80	126.9	6.74	123.6	6.59	120.3	6.31	113.6	5.75
		25.4	137.2	6.78	134.4	6.68	130.9	6.68	127.6	6.40	123.9	6.12	117.2	5.55
		31.8	137.9	6.95	135.7	6.84	132.5	6.68	128.9	6.40	125.6	6.29	118.6	6.12
		38.1	138.3	7.03	136.4	6.92	133.3	6.68	129.6	6.40	126.4	6.38	119.4	6.40
	68	10.2	136.8	6.54	134.3	6.24	130.8	6.10	127.2	5.91	123.5	5.78	116.2	5.60
		12.7	137.9	6.50	135.4	6.23	131.8	6.10	128.2	5.93	124.6	5.82	117.2	5.55
		25.4	142.3	6.31	139.7	6.22	135.8	6.08	132.2	6.03	128.9	5.97	121.6	5.37
		31.8	142.9	6.31	140.8	6.22	137.4	6.12	133.5	6.03	129.9	5.97	122.6	5.71
		38.1	143.2	6.31	141.3	6.22	138.2	6.14	134.2	6.03	130.4	5.97	123.1	5.88
	77	10.2	144.5	6.24	140.8	6.06	137.4	5.96	134.8	5.86	131.8	5.77	124.3	5.39
		12.7	144.5	6.22	140.8	6.05	137.4	5.93	134.8	5.84	131.8	5.75	124.3	5.37
		25.4	144.5	6.12	140.8	6.01	137.4	5.84	134.8	5.75	131.8	5.65	124.3	5.27
		31.8	144.5	6.03	140.8	5.85	137.4	5.75	134.8	5.65	131.8	5.55	124.3	5.18
		38.1	144.5	5.99	140.8	5.78	137.4	5.70	134.8	5.60	131.8	5.50	124.3	5.14
	86	10.2	144.5	6.08	140.8	5.78	137.4	5.72	134.8	5.57	131.8	5.51	124.3	5.13
		12.7	144.5	6.03	140.8	5.77	137.4	5.69	134.8	5.55	131.8	5.46	124.3	5.09
		25.4	144.5	5.84	140.8	5.73	137.4	5.55	134.8	5.46	131.8	5.27	124.3	4.90
		31.8	144.5	5.75	140.8	5.57	137.4	5.46	134.8	5.37	131.8	5.27	124.3	4.90
		38.1	144.5	5.70	140.8	5.49	137.4	5.42	134.8	5.32	131.8	5.27	124.3	4.90
	95	10.2	144.5	5.80	140.8	5.60	137.4	5.49	134.8	5.29	131.8	5.11	124.3	4.75
		12.7	144.5	5.75	140.8	5.57	137.4	5.46	134.8	5.27	131.8	5.09	124.3	4.71
		25.4	144.5	5.55	140.8	5.45	137.4	5.37	134.8	5.18	131.8	4.99	124.3	4.52
		31.8	144.5	5.55	140.8	5.39	137.4	5.27	134.8	5.09	131.8	4.90	124.3	4.52
		38.1	144.5	5.55	140.8	5.36	137.4	5.22	134.8	5.04	131.8	4.86	124.3	4.52
	104	10.2	144.5	5.60	140.8	5.42	137.4	5.32	134.8	5.13	131.8	4.95	124.3	4.47
		12.7	144.5	5.55	140.8	5.39	137.4	5.27	134.8	5.09	131.8	4.90	124.3	4.42
		25.4	144.5	5.37	140.8	5.25	137.4	5.09	134.8	4.90	131.8	4.71	124.3	4.24
		31.8	144.5	5.27	140.8	5.16	137.4	5.09	134.8	4.90	131.8	4.71	124.3	4.24
		38.1	144.5	5.22	140.8	5.12	137.4	5.09	134.8	4.90	131.8	4.71	124.3	4.24
	113	10.2	144.5	5.41	140.8	5.24	137.4	5.16	134.8	4.97	131.8	4.78	124.3	4.19
		12.7	144.5	5.37	140.8	5.20	137.4	5.09	134.8	4.90	131.8	4.71	124.3	4.14
		25.4	144.5	5.18	140.8	5.07	137.4	4.80	134.8	4.62	131.8	4.42	124.3	3.96
		31.8	144.5	4.99	140.8	4.94	137.4	4.90	134.8	4.71	131.8	4.52	124.3	3.96
		38.1	144.5	4.89	140.8	4.88	137.4	4.95	134.8	4.75	131.8	4.57	124.3	3.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096BAS4, ARWB096BAS4
96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	10.2	48.6	5.92	48.2	5.57	47.9	5.19	47.3	4.97	47.7	4.82	46.4	4.32
		12.7	50.2	6.02	49.8	5.68	49.5	5.30	48.9	5.08	49.3	4.93	48.0	4.41
		25.4	56.9	6.43	56.4	6.11	56.1	5.75	55.4	5.50	55.9	5.35	54.4	4.79
		31.8	62.8	6.84	62.3	6.53	61.9	6.20	61.2	5.94	61.7	5.77	60.0	5.16
		38.1	65.8	7.04	65.3	6.74	64.8	6.42	64.1	6.16	64.6	5.98	62.8	5.35
	32	10.2	86.8	8.09	84.7	7.85	82.9	7.60	81.2	7.27	81.2	7.07	77.5	6.32
		12.7	87.3	8.11	85.2	7.87	83.4	7.62	81.7	7.30	81.7	7.09	78.0	6.34
		25.4	89.3	8.20	87.2	7.95	85.4	7.71	83.6	7.38	83.6	7.17	79.9	6.42
		31.8	90.7	8.20	88.6	7.95	86.7	7.71	84.9	7.38	84.8	7.17	81.1	6.42
		38.1	91.4	8.20	89.3	7.95	87.4	7.71	85.6	7.38	85.4	7.17	81.7	6.42
	41	10.2	125.1	8.70	123.2	8.48	120.6	8.27	117.6	7.92	113.9	7.70	107.7	6.89
		12.7	125.6	8.74	123.5	8.52	120.6	8.31	117.6	7.96	113.9	7.73	107.7	6.93
		25.4	127.4	8.89	124.4	8.68	120.6	8.48	117.6	8.12	113.9	7.89	107.7	7.06
		31.8	128.1	8.95	123.7	8.74	120.6	8.53	117.6	8.18	113.9	7.95	107.7	7.11
		38.1	128.4	8.98	123.3	8.77	120.6	8.56	117.6	8.21	113.9	7.98	107.7	7.14
	50	10.2	125.6	7.81	123.3	7.60	120.2	7.44	117.3	7.22	113.6	6.98	107.4	6.28
		12.7	126.2	7.84	123.8	7.63	120.6	7.47	117.6	7.23	113.9	6.97	107.7	6.28
		25.4	128.5	7.95	125.8	7.74	121.9	7.58	119.0	7.27	115.1	6.96	108.8	6.31
		31.8	129.2	7.92	125.4	7.74	122.4	7.61	119.5	7.30	115.6	6.98	109.3	6.53
		38.1	129.6	7.91	125.2	7.74	122.6	7.62	119.7	7.31	115.9	7.00	109.6	6.63
	59	10.2	126.0	6.93	123.4	6.73	119.9	6.62	117.0	6.52	113.3	6.26	107.1	5.67
		12.7	126.7	6.95	124.2	6.74	120.6	6.63	117.6	6.50	113.9	6.22	107.7	5.65
		25.4	129.6	7.00	127.2	6.80	123.3	6.68	120.3	6.40	116.2	6.03	110.0	5.55
		31.8	130.3	6.90	127.1	6.74	124.3	6.68	121.3	6.40	117.2	6.03	111.0	5.93
		38.1	130.7	6.84	127.0	6.71	124.8	6.68	121.8	6.40	117.7	6.03	111.5	6.12
	68	10.2	129.5	6.23	127.0	5.97	123.2	5.81	119.8	5.73	115.9	5.65	109.7	5.37
		12.7	130.3	6.23	127.8	5.99	123.9	5.84	120.6	5.75	116.6	5.65	110.3	5.35
		25.4	133.6	6.23	130.8	6.08	126.6	5.93	123.6	5.84	119.6	5.63	112.9	5.27
		31.8	134.2	6.18	130.7	6.03	127.6	5.93	124.3	5.84	120.3	5.65	113.6	5.46
		38.1	134.5	6.15	130.7	6.01	128.1	5.93	124.6	5.84	120.6	5.66	114.0	5.56
	77	10.2	135.8	5.90	131.8	5.62	127.6	5.51	124.9	5.39	121.6	5.29	114.9	4.92
		12.7	135.8	5.87	131.8	5.61	127.6	5.50	124.9	5.37	121.6	5.27	114.9	4.90
		25.4	136.1	5.79	131.8	5.57	127.6	5.46	124.9	5.27	121.6	5.18	114.9	4.80
		31.8	136.5	5.57	131.8	5.43	127.6	5.37	124.9	5.27	121.6	5.09	114.9	4.80
		38.1	136.7	5.46	131.8	5.35	127.6	5.32	124.9	5.27	121.6	5.04	114.9	4.80
	86	10.2	136.5	5.64	131.8	5.36	127.6	5.21	124.9	5.01	121.6	4.95	114.9	4.54
		12.7	136.5	5.59	131.8	5.33	127.6	5.18	124.9	4.99	121.6	4.90	114.9	4.52
		25.4	136.5	5.41	131.8	5.20	127.6	5.09	124.9	4.90	121.6	4.71	114.9	4.42
		31.8	136.5	5.23	131.8	5.09	127.6	4.99	124.9	4.90	121.6	4.71	114.9	4.33
		38.1	136.5	5.14	131.8	5.03	127.6	4.94	124.9	4.90	121.6	4.71	114.9	4.29
	95	10.2	136.5	5.39	131.8	5.09	127.6	4.95	124.9	4.75	121.6	4.57	114.9	4.16
		12.7	136.5	5.31	131.8	5.05	127.6	4.90	124.9	4.71	121.6	4.52	114.9	4.14
		25.4	136.5	5.01	131.8	4.86	127.6	4.71	124.9	4.52	121.6	4.33	114.9	4.05
		31.8	136.5	4.95	131.8	4.82	127.6	4.71	124.9	4.52	121.6	4.33	114.9	3.96
		38.1	136.5	4.92	131.8	4.80	127.6	4.71	124.9	4.52	121.6	4.33	114.9	3.91
	104	10.2	136.5	5.22	131.8	4.86	127.6	4.67	124.9	4.47	121.6	4.28	114.9	3.88
		12.7	136.5	5.12	131.8	4.80	127.6	4.62	124.9	4.42	121.6	4.24	114.9	3.86
		25.4	136.5	4.72	131.8	4.58	127.6	4.42	124.9	4.24	121.6	4.05	114.9	3.77
		31.8	136.5	4.67	131.8	4.52	127.6	4.42	124.9	4.24	121.6	4.05	114.9	3.67
		38.1	136.5	4.64	131.8	4.49	127.6	4.42	124.9	4.24	121.6	4.05	114.9	3.62
	113	10.2	136.5	5.06	131.8	4.63	127.6	4.38	124.9	4.19	121.6	4.00	114.9	3.60
		12.7	136.5	4.94	131.8	4.56	127.6	4.33	124.9	4.14	121.6	3.96	114.9	3.58
		25.4	136.5	4.44	131.8	4.30	127.6	4.14	124.9	3.96	121.6	3.77	114.9	3.49
		31.8	136.5	4.38	131.8	4.22	127.6	4.14	124.9	3.96	121.6	3.77	114.9	3.39
		38.1	136.5	4.35	131.8	4.18	127.6	4.14	124.9	3.96	121.6	3.77	114.9	3.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	10.2	45.9	5.99	45.6	5.57	45.3	5.19	44.9	4.97	45.0	4.82	44.0	4.32
		12.7	47.5	6.10	47.2	5.68	46.9	5.30	46.4	5.08	46.5	4.93	45.5	4.41
		25.4	53.7	6.51	53.4	6.11	53.1	5.75	52.5	5.50	52.5	5.35	51.5	4.79
		31.8	59.4	6.93	59.0	6.53	58.7	6.20	58.1	5.94	58.1	5.77	56.9	5.16
		38.1	62.2	7.14	61.8	6.74	61.5	6.42	60.9	6.16	60.9	5.98	59.5	5.35
	32	10.2	82.1	8.20	80.3	7.85	78.6	7.60	77.1	7.27	76.4	7.07	73.5	6.32
		12.7	82.6	8.22	80.8	7.87	79.1	7.62	77.6	7.30	76.9	7.09	73.9	6.34
		25.4	84.5	8.30	82.7	7.95	80.9	7.71	79.4	7.38	78.7	7.17	75.7	6.42
		31.8	85.8	8.30	84.0	7.95	82.2	7.71	80.6	7.38	79.9	7.17	76.8	6.42
		38.1	86.5	8.30	84.6	7.95	82.8	7.71	81.2	7.38	80.5	7.17	77.3	6.42
	41	10.2	119.8	8.82	116.9	8.48	114.2	8.27	111.6	7.92	107.3	7.70	102.1	6.89
		12.7	120.2	8.85	117.1	8.52	114.2	8.31	111.6	7.96	107.3	7.73	102.1	6.93
		25.4	121.8	9.01	118.0	8.68	114.3	8.48	111.6	8.12	107.3	7.89	102.1	7.06
		31.8	122.5	9.07	118.3	8.74	114.3	8.53	111.6	8.18	107.3	7.95	102.1	7.11
		38.1	122.8	9.10	118.5	8.77	114.3	8.56	111.6	8.21	107.3	7.98	102.1	7.14
	50	10.2	120.2	7.90	117.2	7.63	114.1	7.47	111.4	7.22	107.1	6.98	101.9	6.28
		12.7	120.7	7.92	117.5	7.66	114.2	7.49	111.6	7.23	107.3	6.97	102.1	6.28
		25.4	122.5	7.98	118.7	7.74	114.9	7.58	112.3	7.27	108.0	6.96	102.6	6.31
		31.8	123.2	7.98	119.3	7.74	115.3	7.56	112.5	7.25	108.2	6.98	102.9	6.38
		38.1	123.5	7.98	119.5	7.74	115.5	7.55	112.6	7.24	108.3	7.00	103.0	6.41
	59	10.2	120.6	6.99	117.4	6.80	114.0	6.68	111.3	6.52	106.9	6.26	101.8	5.67
		12.7	121.1	6.98	117.8	6.80	114.3	6.68	111.6	6.50	107.3	6.22	102.1	5.65
		25.4	123.1	6.95	119.6	6.80	115.6	6.68	112.9	6.40	108.7	6.03	103.1	5.55
		31.8	123.8	6.90	120.2	6.74	116.2	6.59	113.3	6.31	109.0	6.03	103.7	5.65
		38.1	124.1	6.87	120.5	6.71	116.5	6.55	113.5	6.27	109.2	6.03	104.0	5.70
	68	10.2	122.8	6.04	119.4	5.89	115.6	5.75	112.5	5.65	108.4	5.49	102.7	5.13
		12.7	123.5	6.05	119.9	5.89	115.9	5.75	112.9	5.65	108.7	5.46	103.1	5.12
		25.4	126.1	6.10	121.5	5.89	117.2	5.75	114.6	5.65	110.0	5.37	104.7	5.09
		31.8	126.8	6.10	122.5	5.89	117.9	5.75	114.9	5.55	110.6	5.37	105.0	5.09
		38.1	127.1	6.10	123.0	5.89	118.3	5.75	115.1	5.50	110.9	5.37	105.1	5.09
	77	10.2	126.6	5.49	122.9	5.29	117.9	5.21	115.3	5.01	111.3	4.83	105.4	4.42
		12.7	126.9	5.48	122.9	5.27	117.9	5.18	115.3	4.99	111.3	4.80	105.4	4.42
		25.4	127.9	5.45	122.9	5.18	117.9	5.09	115.3	4.90	111.3	4.71	105.4	4.42
		31.8	128.5	5.45	122.9	5.20	117.9	4.99	115.3	4.90	111.3	4.62	105.4	4.33
		38.1	128.8	5.45	122.9	5.21	117.9	4.94	115.3	4.90	111.3	4.57	105.4	4.29
	86	10.2	128.5	5.01	122.9	4.83	117.9	4.64	115.3	4.54	111.3	4.26	105.4	3.98
		12.7	128.5	4.99	122.9	4.80	117.9	4.62	115.3	4.52	111.3	4.24	105.4	3.96
		25.4	128.5	4.90	122.9	4.71	117.9	4.52	115.3	4.42	111.3	4.14	105.4	3.86
		31.8	128.5	4.86	122.9	4.62	117.9	4.42	115.3	4.33	111.3	4.14	105.4	3.86
		38.1	128.5	4.84	122.9	4.57	117.9	4.37	115.3	4.29	111.3	4.14	105.4	3.86
	95	10.2	128.5	4.75	122.9	4.44	117.9	4.26	115.3	4.08	111.3	3.88	105.4	3.60
		12.7	128.5	4.71	122.9	4.42	117.9	4.24	115.3	4.05	111.3	3.86	105.4	3.58
		25.4	128.5	4.52	122.9	4.33	117.9	4.14	115.3	3.96	111.3	3.77	105.4	3.49
		31.8	128.5	4.40	122.9	4.24	117.9	4.05	115.3	3.96	111.3	3.77	105.4	3.49
		38.1	128.5	4.34	122.9	4.19	117.9	4.01	115.3	3.96	111.3	3.77	105.4	3.49
	104	10.2	128.5	4.47	122.9	4.28	117.9	4.00	115.3	3.79	111.3	3.60	105.4	3.31
		12.7	128.5	4.42	122.9	4.24	117.9	3.96	115.3	3.77	111.3	3.58	105.4	3.29
		25.4	128.5	4.24	122.9	4.05	117.9	3.77	115.3	3.67	111.3	3.49	105.4	3.20
		31.8	128.5	4.18	122.9	3.96	117.9	3.77	115.3	3.58	111.3	3.39	105.4	3.11
		38.1	128.5	4.15	122.9	3.91	117.9	3.77	115.3	3.53	111.3	3.34	105.4	3.06
	113	10.2	128.5	4.19	122.9	4.12	117.9	3.74	115.3	3.51	111.3	3.31	105.4	3.03
		12.7	128.5	4.14	122.9	4.05	117.9	3.67	115.3	3.49	111.3	3.29	105.4	3.01
		25.4	128.5	3.96	122.9	3.77	117.9	3.39	115.3	3.39	111.3	3.20	105.4	2.92
		31.8	128.5	3.96	122.9	3.67	117.9	3.49	115.3	3.20	111.3	3.01	105.4	2.73
		38.1	128.5	3.96	122.9	3.62	117.9	3.54	115.3	3.11	111.3	2.91	105.4	2.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	10.2	43.4	5.99	43.1	5.65	42.9	5.19	42.6	4.97	42.2	4.75	41.4	4.32
		12.7	44.9	6.10	44.6	5.76	44.4	5.30	44.0	5.08	43.6	4.85	42.8	4.41
		25.4	50.8	6.51	50.5	6.19	50.2	5.75	49.7	5.50	49.3	5.27	48.5	4.79
		31.8	56.2	6.93	55.8	6.61	55.5	6.20	55.0	5.94	54.6	5.68	53.5	5.16
		38.1	58.8	7.14	58.4	6.83	58.1	6.42	57.6	6.16	57.2	5.89	56.1	5.35
	32	10.2	77.6	8.20	75.9	7.96	74.3	7.60	73.0	7.27	71.7	6.96	69.2	6.32
		12.7	78.1	8.22	76.4	7.98	74.7	7.62	73.4	7.30	72.1	6.98	69.6	6.34
		25.4	79.9	8.30	78.2	8.06	76.5	7.71	75.1	7.38	73.8	7.06	71.2	6.42
		31.8	81.1	8.30	79.4	8.06	77.7	7.71	76.3	7.38	74.9	7.06	72.3	6.42
		38.1	81.7	8.30	80.0	8.06	78.3	7.71	76.8	7.38	75.5	7.06	72.9	6.42
	41	10.2	114.5	8.82	110.7	8.60	107.9	8.27	105.7	7.92	100.7	7.58	96.0	6.89
		12.7	114.9	8.85	110.9	8.64	107.9	8.31	105.7	7.96	100.7	7.62	96.0	6.93
		25.4	116.5	9.01	111.7	8.80	108.0	8.48	105.7	8.12	100.7	7.77	96.0	7.06
		31.8	117.2	9.07	112.0	8.85	108.0	8.53	105.7	8.18	100.7	7.82	96.0	7.11
		38.1	117.6	9.10	112.2	8.88	108.0	8.56	105.7	8.21	100.7	7.85	96.0	7.14
	50	10.2	115.2	7.88	111.1	7.71	108.0	7.47	105.7	7.22	100.7	6.86	96.0	6.28
		12.7	115.4	7.92	111.2	7.73	108.0	7.49	105.7	7.23	100.7	6.87	96.0	6.28
		25.4	116.5	8.07	111.8	7.83	108.0	7.58	105.7	7.27	100.7	6.90	96.0	6.31
		31.8	117.3	8.04	112.3	7.83	108.0	7.56	105.7	7.25	100.7	6.88	96.0	6.28
		38.1	117.7	8.02	112.6	7.83	108.0	7.55	105.7	7.24	100.7	6.87	96.0	6.27
	59	10.2	115.8	6.95	111.5	6.83	108.0	6.68	105.7	6.52	100.7	6.14	96.0	5.67
		12.7	115.9	6.98	111.6	6.84	108.0	6.68	105.7	6.50	100.7	6.12	96.0	5.65
		25.4	116.5	7.12	111.9	6.86	108.0	6.68	105.7	6.40	100.7	6.03	96.0	5.55
		31.8	117.5	7.00	112.5	6.80	108.0	6.59	105.7	6.31	100.7	5.93	96.0	5.46
		38.1	118.1	6.95	112.8	6.77	108.0	6.55	105.7	6.27	100.7	5.88	96.0	5.42
	68	10.2	116.4	5.94	112.1	5.79	108.0	5.65	105.7	5.57	100.7	5.21	96.0	4.95
		12.7	116.8	5.97	112.2	5.80	108.0	5.65	105.7	5.55	100.7	5.18	96.0	4.90
		25.4	118.5	6.08	112.5	5.82	108.0	5.65	105.7	5.46	100.7	5.09	96.0	4.71
		31.8	119.3	5.97	113.5	5.77	108.0	5.55	105.7	5.37	100.7	4.99	96.0	4.62
		38.1	119.6	5.92	114.0	5.74	108.0	5.50	105.7	5.32	100.7	4.94	96.0	4.57
	77	10.2	117.8	5.20	113.9	5.03	108.0	4.83	105.7	4.64	100.7	4.36	96.0	3.96
		12.7	118.2	5.20	113.9	5.01	108.0	4.80	105.7	4.62	100.7	4.33	96.0	3.96
		25.4	120.0	5.22	113.9	4.90	108.0	4.71	105.7	4.52	100.7	4.24	96.0	3.96
		31.8	120.6	5.10	113.9	4.86	108.0	4.62	105.7	4.42	100.7	4.24	96.0	3.86
		38.1	120.9	5.05	113.9	4.84	108.0	4.57	105.7	4.37	100.7	4.24	96.0	3.81
	86	10.2	120.6	4.73	113.9	4.36	108.0	4.06	105.7	3.98	100.7	3.67	96.0	3.51
		12.7	120.6	4.71	113.9	4.33	108.0	4.05	105.7	3.96	100.7	3.67	96.0	3.49
		25.4	120.6	4.62	113.9	4.24	108.0	4.01	105.7	3.86	100.7	3.67	96.0	3.39
		31.8	120.6	4.52	113.9	4.24	108.0	3.96	105.7	3.86	100.7	3.58	96.0	3.39
		38.1	120.6	4.47	113.9	4.24	108.0	3.93	105.7	3.86	100.7	3.53	96.0	3.39
	95	10.2	120.6	4.38	113.9	4.00	108.0	3.58	105.7	3.51	100.7	3.31	96.0	3.03
		12.7	120.6	4.33	113.9	3.96	108.0	3.58	105.7	3.49	100.7	3.29	96.0	3.01
		25.4	120.6	4.14	113.9	3.77	108.0	3.54	105.7	3.39	100.7	3.20	96.0	2.92
		31.8	120.6	4.14	113.9	3.77	108.0	3.49	105.7	3.39	100.7	3.20	96.0	2.92
		38.1	120.6	4.14	113.9	3.77	108.0	3.46	105.7	3.39	100.7	3.20	96.0	2.92
	104	10.2	120.6	4.10	113.9	3.72	108.0	3.21	105.7	3.13	100.7	2.95	96.0	2.75
		12.7	120.6	4.05	113.9	3.67	108.0	3.20	105.7	3.11	100.7	2.92	96.0	2.73
		25.4	120.6	3.86	113.9	3.49	108.0	3.17	105.7	3.01	100.7	2.83	96.0	2.64
		31.8	120.6	3.77	113.9	3.49	108.0	3.11	105.7	3.01	100.7	2.83	96.0	2.64
		38.1	120.6	3.73	113.9	3.49	108.0	3.08	105.7	3.01	100.7	2.83	96.0	2.64
	113	10.2	120.6	3.82	113.9	3.44	108.0	2.83	105.7	2.75	100.7	2.57	96.0	2.47
		12.7	120.6	3.77	113.9	3.39	108.0	2.83	105.7	2.73	100.7	2.54	96.0	2.45
		25.4	120.6	3.58	113.9	3.20	108.0	2.79	105.7	2.64	100.7	2.45	96.0	2.36
		31.8	120.6	3.39	113.9	3.20	108.0	2.73	105.7	2.64	100.7	2.45	96.0	2.36
		38.1	120.6	3.30	113.9	3.20	108.0	2.70	105.7	2.64	100.7	2.45	96.0	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	10.2	41.0	5.56	39.7	5.07	38.6	4.45	38.3	4.24	38.0	4.09	37.3	3.67
		12.7	42.4	5.66	41.1	5.16	39.9	4.55	39.6	4.33	39.3	4.18	38.6	3.75
		25.4	48.0	6.04	46.5	5.54	45.1	4.94	44.8	4.71	44.5	4.54	43.6	4.07
		31.8	53.0	6.42	51.3	5.93	49.8	5.33	49.4	5.08	49.1	4.89	48.2	4.39
		38.1	55.6	6.61	53.8	6.13	52.2	5.52	51.8	5.26	51.5	5.07	50.6	4.56
	32	10.2	73.3	7.58	69.9	7.11	66.7	6.53	65.7	6.23	64.6	5.99	62.2	5.38
		12.7	73.7	7.60	70.3	7.13	67.1	6.55	66.1	6.24	65.0	6.01	62.6	5.40
		25.4	75.4	7.68	71.9	7.21	68.7	6.61	67.6	6.31	66.5	6.08	64.1	5.46
		31.8	76.6	7.68	73.0	7.21	69.8	6.61	68.6	6.31	67.6	6.08	65.1	5.46
		38.1	77.1	7.68	73.6	7.21	70.4	6.61	69.1	6.31	68.2	6.08	65.6	5.46
	41	10.2	103.6	8.14	100.2	7.68	97.0	7.11	95.0	6.77	90.8	6.52	86.5	5.85
		12.7	103.7	8.17	100.2	7.72	97.0	7.14	95.0	6.81	90.8	6.56	86.5	5.88
		25.4	104.1	8.32	99.9	7.86	97.0	7.28	95.0	6.95	90.8	6.69	86.5	6.00
		31.8	104.7	8.37	100.2	7.91	97.0	7.34	95.0	6.99	90.8	6.74	86.5	6.05
		38.1	105.0	8.39	100.3	7.93	97.0	7.36	95.0	7.02	90.8	6.77	86.5	6.07
	50	10.2	104.1	7.18	100.6	6.83	97.0	6.43	95.0	6.17	90.8	5.92	86.5	5.33
		12.7	104.1	7.19	100.5	6.84	97.0	6.44	95.0	6.18	90.8	5.91	86.5	5.34
		25.4	103.9	7.21	100.0	6.87	97.0	6.47	95.0	6.21	90.8	5.89	86.5	5.36
		31.8	104.6	7.19	100.3	6.85	97.0	6.45	95.0	6.19	90.8	5.91	86.5	5.38
		38.1	104.9	7.18	100.4	6.84	97.0	6.44	95.0	6.18	90.8	5.92	86.5	5.39
	59	10.2	104.7	6.22	100.9	6.00	97.0	5.77	95.0	5.57	90.8	5.32	86.5	4.83
		12.7	104.5	6.20	100.8	5.97	97.0	5.75	95.0	5.55	90.8	5.27	86.5	4.80
		25.4	103.8	6.10	100.1	5.87	97.0	5.65	95.0	5.46	90.8	5.09	86.5	4.71
		31.8	104.5	6.01	100.4	5.79	97.0	5.55	95.0	5.37	90.8	5.09	86.5	4.71
		38.1	104.8	5.97	100.5	5.74	97.0	5.50	95.0	5.32	90.8	5.09	86.5	4.71
	68	10.2	105.3	5.25	101.4	5.10	97.0	4.92	95.0	4.73	90.8	4.57	86.5	4.28
		12.7	105.2	5.25	101.2	5.09	97.0	4.90	95.0	4.71	90.8	4.52	86.5	4.24
		25.4	104.8	5.25	100.4	5.03	97.0	4.80	95.0	4.62	90.8	4.33	86.5	4.05
		31.8	105.1	5.16	100.7	4.99	97.0	4.80	95.0	4.62	90.8	4.33	86.5	4.05
		38.1	105.2	5.12	100.8	4.97	97.0	4.80	95.0	4.62	90.8	4.33	86.5	4.05
	77	10.2	107.0	4.59	102.7	4.34	97.0	4.16	95.0	3.96	90.8	3.79	86.5	3.51
		12.7	107.3	4.58	102.7	4.33	97.0	4.14	95.0	3.96	90.8	3.77	86.5	3.49
		25.4	108.3	4.54	102.7	4.30	97.0	4.05	95.0	3.96	90.8	3.67	86.5	3.39
		31.8	108.7	4.42	102.7	4.20	97.0	4.05	95.0	3.86	90.8	3.67	86.5	3.39
		38.1	108.9	4.36	102.7	4.15	97.0	4.05	95.0	3.81	90.8	3.67	86.5	3.39
	86	10.2	108.7	4.16	102.7	3.88	97.0	3.60	95.0	3.51	90.8	3.31	86.5	3.01
		12.7	108.7	4.14	102.7	3.86	97.0	3.58	95.0	3.49	90.8	3.29	86.5	3.01
		25.4	108.7	4.05	102.7	3.77	97.0	3.49	95.0	3.39	90.8	3.20	86.5	3.01
		31.8	108.7	3.96	102.7	3.67	97.0	3.49	95.0	3.39	90.8	3.20	86.5	2.92
		38.1	108.7	3.91	102.7	3.62	97.0	3.49	95.0	3.39	90.8	3.20	86.5	2.88
	95	10.2	108.7	3.79	102.7	3.51	97.0	3.23	95.0	3.13	90.8	2.95	86.5	2.75
		12.7	108.7	3.77	102.7	3.49	97.0	3.20	95.0	3.11	90.8	2.92	86.5	2.73
		25.4	108.7	3.67	102.7	3.39	97.0	3.11	95.0	3.01	90.8	2.83	86.5	2.64
		31.8	108.7	3.58	102.7	3.29	97.0	3.01	95.0	2.92	90.8	2.83	86.5	2.64
		38.1	108.7	3.53	102.7	3.24	97.0	2.96	95.0	2.88	90.8	2.83	86.5	2.64
	104	10.2	108.7	3.54	102.7	3.23	97.0	2.85	95.0	2.75	90.8	2.66	86.5	2.47
		12.7	108.7	3.49	102.7	3.20	97.0	2.83	95.0	2.73	90.8	2.64	86.5	2.45
		25.4	108.7	3.29	102.7	3.11	97.0	2.73	95.0	2.64	90.8	2.54	86.5	2.36
		31.8	108.7	3.29	102.7	3.11	97.0	2.73	95.0	2.64	90.8	2.54	86.5	2.36
		38.1	108.7	3.29	102.7	3.11	97.0	2.73	95.0	2.64	90.8	2.54	86.5	2.36
	113	10.2	108.7	3.28	102.7	2.95	97.0	2.47	95.0	2.38	90.8	2.38	86.5	2.18
		12.7	108.7	3.20	102.7	2.92	97.0	2.45	95.0	2.36	90.8	2.36	86.5	2.16
		25.4	108.7	2.92	102.7	2.83	97.0	2.36	95.0	2.26	90.8	2.26	86.5	2.07
		31.8	108.7	3.01	102.7	2.92	97.0	2.45	95.0	2.36	90.8	2.26	86.5	2.07
		38.1	108.7	3.05	102.7	2.97	97.0	2.49	95.0	2.41	90.8	2.26	86.5	2.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096BAS4, ARWB096BAS4
96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	10.2	38.8	3.96	36.3	3.81	34.4	3.65	34.0	3.53	33.8	3.36	33.1	3.10
		12.7	40.1	4.05	37.6	3.90	35.6	3.73	35.2	3.60	35.0	3.44	34.3	3.17
		25.4	45.3	4.40	42.5	4.23	40.2	4.04	39.8	3.91	39.6	3.73	38.8	3.43
		31.8	50.1	4.74	46.9	4.56	44.4	4.36	43.9	4.22	43.7	4.02	42.8	3.70
		38.1	52.6	4.92	49.1	4.73	46.5	4.53	46.0	4.38	45.8	4.17	44.8	3.84
	32	10.2	69.2	5.82	63.8	5.58	59.4	5.35	58.3	5.17	57.5	4.92	55.3	4.54
		12.7	69.6	5.84	64.2	5.60	59.8	5.37	58.7	5.18	57.9	4.94	55.7	4.55
		25.4	71.3	5.90	65.7	5.67	61.2	5.43	60.1	5.24	59.3	5.00	57.0	4.60
		31.8	72.3	5.90	66.7	5.67	62.2	5.43	61.0	5.24	60.2	5.00	57.9	4.60
		38.1	72.8	5.90	67.2	5.67	62.7	5.43	61.4	5.24	60.6	5.00	58.3	4.60
	41	10.2	95.7	6.33	90.3	6.09	86.4	5.81	84.5	5.62	80.9	5.36	76.9	4.93
		12.7	95.9	6.36	90.5	6.12	86.4	5.84	84.5	5.65	80.9	5.39	76.9	4.96
		25.4	96.7	6.50	91.2	6.23	86.5	5.97	84.5	5.77	80.9	5.49	76.9	5.07
		31.8	96.7	6.54	91.1	6.28	86.5	6.01	84.5	5.81	80.9	5.53	76.9	5.09
		38.1	96.7	6.56	91.1	6.31	86.5	6.03	84.5	5.83	80.9	5.55	76.9	5.11
	50	10.2	96.2	5.82	90.7	5.56	86.4	5.28	84.5	5.13	80.9	4.86	76.9	4.50
		12.7	96.3	5.82	90.8	5.55	86.4	5.28	84.5	5.13	80.9	4.86	76.9	4.50
		25.4	96.7	5.79	91.2	5.52	86.5	5.29	84.5	5.14	80.9	4.87	76.9	4.51
		31.8	96.7	5.77	91.1	5.54	86.5	5.31	84.5	5.11	80.9	4.84	76.9	4.48
		38.1	96.7	5.76	91.1	5.55	86.5	5.32	84.5	5.10	80.9	4.83	76.9	4.47
	59	10.2	96.7	5.32	91.1	5.03	86.5	4.73	84.5	4.64	80.9	4.36	76.9	4.08
		12.7	96.7	5.27	91.1	4.99	86.5	4.71	84.5	4.62	80.9	4.33	76.9	4.05
		25.4	96.7	5.09	91.1	4.80	86.5	4.62	84.5	4.52	80.9	4.24	76.9	3.96
		31.8	96.7	4.99	91.1	4.80	86.5	4.62	84.5	4.42	80.9	4.14	76.9	3.86
		38.1	96.7	4.94	91.1	4.80	86.5	4.62	84.5	4.37	80.9	4.09	76.9	3.81
	68	10.2	96.7	4.44	91.1	4.26	86.5	4.05	84.5	3.98	80.9	3.79	76.9	3.51
		12.7	96.7	4.42	91.1	4.24	86.5	4.05	84.5	3.96	80.9	3.77	76.9	3.49
		25.4	96.7	4.33	91.1	4.14	86.5	4.05	84.5	3.86	80.9	3.67	76.9	3.39
		31.8	96.7	4.24	91.1	4.05	86.5	3.96	84.5	3.86	80.9	3.58	76.9	3.39
		38.1	96.7	4.19	91.1	4.01	86.5	3.91	84.5	3.86	80.9	3.53	76.9	3.39
	77	10.2	96.7	3.98	91.1	3.70	86.5	3.49	84.5	3.41	80.9	3.23	76.9	3.03
		12.7	96.7	3.96	91.1	3.67	86.5	3.49	84.5	3.39	80.9	3.20	76.9	3.01
		25.4	96.7	3.86	91.1	3.58	86.5	3.49	84.5	3.29	80.9	3.11	76.9	2.92
		31.8	96.7	3.77	91.1	3.58	86.5	3.39	84.5	3.29	80.9	3.11	76.9	2.92
		38.1	96.7	3.73	91.1	3.58	86.5	3.34	84.5	3.29	80.9	3.11	76.9	2.92
	86	10.2	96.7	3.51	91.1	3.31	86.5	3.13	84.5	3.03	80.9	2.85	76.9	2.66
		12.7	96.7	3.49	91.1	3.29	86.5	3.11	84.5	3.01	80.9	2.83	76.9	2.64
		25.4	96.7	3.39	91.1	3.20	86.5	3.01	84.5	2.92	80.9	2.73	76.9	2.54
		31.8	96.7	3.39	91.1	3.20	86.5	3.01	84.5	2.92	80.9	2.73	76.9	2.54
		38.1	96.7	3.39	91.1	3.20	86.5	3.01	84.5	2.92	80.9	2.73	76.9	2.54
	95	10.2	96.7	3.23	91.1	3.03	86.5	2.75	84.5	2.64	80.9	2.57	76.9	2.36
		12.7	96.7	3.20	91.1	3.01	86.5	2.73	84.5	2.64	80.9	2.54	76.9	2.36
		25.4	96.7	3.11	91.1	2.92	86.5	2.64	84.5	2.64	80.9	2.45	76.9	2.36
		31.8	96.7	3.11	91.1	2.83	86.5	2.64	84.5	2.54	80.9	2.45	76.9	2.26
		38.1	96.7	3.11	91.1	2.78	86.5	2.64	84.5	2.49	80.9	2.45	76.9	2.21
	104	10.2	96.7	3.06	91.1	2.75	86.5	2.45	84.5	2.47	80.9	2.26	76.9	2.18
		12.7	96.7	3.01	91.1	2.73	86.5	2.45	84.5	2.45	80.9	2.26	76.9	2.16
		25.4	96.7	2.83	91.1	2.64	86.5	2.45	84.5	2.36	80.9	2.26	76.9	2.07
		31.8	96.7	2.83	91.1	2.64	86.5	2.36	84.5	2.36	80.9	2.26	76.9	2.07
		38.1	96.7	2.83	91.1	2.64	86.5	2.31	84.5	2.36	80.9	2.26	76.9	2.07
	113	10.2	96.7	2.90	91.1	2.47	86.5	2.14	84.5	2.31	80.9	1.95	76.9	2.02
		12.7	96.7	2.83	91.1	2.45	86.5	2.16	84.5	2.26	80.9	1.98	76.9	1.98
		25.4	96.7	2.54	91.1	2.36	86.5	2.26	84.5	2.07	80.9	2.07	76.9	1.79
		31.8	96.7	2.54	91.1	2.45	86.5	2.07	84.5	2.16	80.9	2.07	76.9	1.88
		38.1	96.7	2.54	91.1	2.49	86.5	1.98	84.5	2.21	80.9	2.07	76.9	1.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	10.2	33.8	3.40	31.8	3.24	30.0	3.14	29.7	2.96	29.5	2.85	29.0	2.59
		12.7	35.0	3.48	32.9	3.31	31.0	3.20	30.7	3.02	30.5	2.91	30.0	2.65
		25.4	39.6	3.77	37.2	3.59	35.1	3.48	34.8	3.27	34.6	3.16	34.0	2.87
		31.8	43.8	4.07	41.1	3.88	38.8	3.75	38.5	3.53	38.2	3.41	37.5	3.10
		38.1	45.9	4.22	43.1	4.02	40.7	3.89	40.4	3.65	40.0	3.54	39.2	3.21
	32	10.2	60.5	4.98	55.9	4.75	51.9	4.59	51.0	4.32	50.2	4.18	48.4	3.80
		12.7	60.9	5.00	56.3	4.76	52.2	4.61	51.3	4.33	50.5	4.19	48.7	3.81
		25.4	62.3	5.06	57.6	4.81	53.4	4.67	52.5	4.38	51.7	4.24	49.8	3.85
		31.8	63.2	5.06	58.5	4.81	54.3	4.67	53.3	4.38	52.5	4.24	50.6	3.85
		38.1	63.6	5.06	58.9	4.81	54.7	4.67	53.8	4.38	52.9	4.24	51.0	3.85
	41	10.2	83.6	5.43	79.2	5.17	75.4	5.00	73.8	4.71	70.5	4.54	67.2	4.13
		12.7	83.8	5.46	79.4	5.19	75.4	5.03	73.8	4.73	70.5	4.57	67.2	4.15
		25.4	84.5	5.56	80.0	5.30	75.5	5.13	73.8	4.82	70.5	4.67	67.2	4.24
		31.8	84.5	5.60	79.9	5.34	75.5	5.17	73.8	4.86	70.5	4.70	67.2	4.27
		38.1	84.5	5.62	79.8	5.36	75.5	5.19	73.8	4.88	70.5	4.71	67.2	4.28
	50	10.2	84.0	5.00	79.5	4.72	75.5	4.55	73.8	4.30	70.5	4.12	67.2	3.77
		12.7	84.1	4.99	79.6	4.71	75.5	4.54	73.8	4.30	70.5	4.12	67.2	3.77
		25.4	84.5	4.95	79.9	4.68	75.5	4.50	73.8	4.30	70.5	4.12	67.2	3.77
		31.8	84.5	4.97	79.9	4.70	75.5	4.52	73.8	4.32	70.5	4.09	67.2	3.78
		38.1	84.5	4.98	79.9	4.71	75.5	4.53	73.8	4.33	70.5	4.08	67.2	3.78
	59	10.2	84.5	4.57	79.9	4.28	75.5	4.10	73.8	3.88	70.5	3.70	67.2	3.41
		12.7	84.5	4.52	79.9	4.24	75.5	4.05	73.8	3.86	70.5	3.67	67.2	3.39
		25.4	84.5	4.33	79.9	4.05	75.5	3.86	73.8	3.77	70.5	3.58	67.2	3.29
		31.8	84.5	4.33	79.9	4.05	75.5	3.86	73.8	3.77	70.5	3.49	67.2	3.29
		38.1	84.5	4.33	79.9	4.05	75.5	3.86	73.8	3.77	70.5	3.44	67.2	3.29
	68	10.2	84.5	3.79	79.9	3.60	75.5	3.51	73.8	3.41	70.5	3.23	67.2	3.03
		12.7	84.5	3.77	79.9	3.58	75.5	3.49	73.8	3.39	70.5	3.20	67.2	3.01
		25.4	84.5	3.67	79.9	3.49	75.5	3.39	73.8	3.29	70.5	3.11	67.2	2.92
		31.8	84.5	3.67	79.9	3.49	75.5	3.39	73.8	3.20	70.5	3.11	67.2	2.83
		38.1	84.5	3.67	79.9	3.49	75.5	3.39	73.8	3.16	70.5	3.11	67.2	2.78
	77	10.2	84.5	3.41	79.9	3.23	75.5	3.03	73.8	2.95	70.5	2.73	67.2	2.54
		12.7	84.5	3.39	79.9	3.20	75.5	3.01	73.8	2.92	70.5	2.73	67.2	2.54
		25.4	84.5	3.29	79.9	3.11	75.5	2.92	73.8	2.83	70.5	2.73	67.2	2.54
		31.8	84.5	3.20	79.9	3.01	75.5	2.92	73.8	2.83	70.5	2.64	67.2	2.54
		38.1	84.5	3.16	79.9	2.96	75.5	2.92	73.8	2.83	70.5	2.60	67.2	2.54
	86	10.2	84.5	3.03	79.9	2.85	75.5	2.66	73.8	2.54	70.5	2.47	67.2	2.26
		12.7	84.5	3.01	79.9	2.83	75.5	2.64	73.8	2.54	70.5	2.45	67.2	2.26
		25.4	84.5	2.92	79.9	2.73	75.5	2.54	73.8	2.54	70.5	2.36	67.2	2.26
		31.8	84.5	2.92	79.9	2.73	75.5	2.54	73.8	2.45	70.5	2.36	67.2	2.26
		38.1	84.5	2.92	79.9	2.73	75.5	2.54	73.8	2.40	70.5	2.36	67.2	2.26
	95	10.2	84.5	2.75	79.9	2.57	75.5	2.36	73.8	2.38	70.5	2.16	67.2	2.10
		12.7	84.5	2.73	79.9	2.54	75.5	2.36	73.8	2.36	70.5	2.16	67.2	2.07
		25.4	84.5	2.64	79.9	2.45	75.5	2.36	73.8	2.26	70.5	2.16	67.2	1.98
		31.8	84.5	2.64	79.9	2.45	75.5	2.26	73.8	2.26	70.5	2.16	67.2	1.98
		38.1	84.5	2.64	79.9	2.45	75.5	2.21	73.8	2.26	70.5	2.16	67.2	1.98
	104	10.2	84.5	2.57	79.9	2.38	75.5	2.18	73.8	2.07	70.5	1.98	67.2	1.90
		12.7	84.5	2.54	79.9	2.36	75.5	2.16	73.8	2.07	70.5	1.98	67.2	1.88
		25.4	84.5	2.45	79.9	2.26	75.5	2.07	73.8	2.07	70.5	1.98	67.2	1.79
		31.8	84.5	2.45	79.9	2.26	75.5	2.07	73.8	1.98	70.5	1.88	67.2	1.79
		38.1	84.5	2.45	79.9	2.26	75.5	2.07	73.8	1.93	70.5	1.83	67.2	1.79
	113	10.2	84.5	2.38	79.9	2.18	75.5	2.02	73.8	1.77	70.5	1.79	67.2	1.72
		12.7	84.5	2.36	79.9	2.16	75.5	1.98	73.8	1.79	70.5	1.79	67.2	1.70
		25.4	84.5	2.26	79.9	2.07	75.5	1.79	73.8	1.88	70.5	1.79	67.2	1.60
		31.8	84.5	2.26	79.9	2.07	75.5	1.88	73.8	1.70	70.5	1.60	67.2	1.60
		38.1	84.5	2.26	79.9	2.07	75.5	1.92	73.8	1.60	70.5	1.50	67.2	1.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096BAS4, ARWB096BAS4
96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	10.2	29.0	2.76	27.2	2.66	25.7	2.55	25.4	2.37	25.3	2.33	24.9	2.09
		12.7	30.0	2.83	28.1	2.72	26.6	2.61	26.3	2.43	26.2	2.39	25.7	2.13
		25.4	34.1	3.07	31.8	2.95	30.1	2.83	29.8	2.63	29.7	2.59	29.1	2.32
		31.8	37.6	3.30	35.2	3.19	33.4	3.06	33.0	2.84	32.9	2.80	32.1	2.49
		38.1	39.3	3.42	36.8	3.30	35.0	3.17	34.5	2.95	34.4	2.90	33.7	2.58
	32	10.2	51.9	4.05	47.8	3.91	44.6	3.74	43.7	3.48	43.1	3.43	41.6	3.06
		12.7	52.2	4.06	48.1	3.92	44.9	3.75	44.0	3.49	43.4	3.44	41.8	3.07
		25.4	53.4	4.11	49.2	3.96	46.0	3.80	45.0	3.53	44.4	3.48	42.7	3.10
		31.8	54.3	4.11	50.0	3.96	46.7	3.80	45.7	3.53	45.1	3.48	43.4	3.10
		38.1	54.7	4.11	50.4	3.96	47.1	3.80	46.1	3.53	45.5	3.48	43.8	3.10
	41	10.2	71.8	4.41	67.7	4.24	64.9	4.07	63.3	3.79	60.6	3.73	57.7	3.32
		12.7	71.9	4.43	67.8	4.27	64.9	4.09	63.3	3.81	60.6	3.75	57.7	3.34
		25.4	72.5	4.52	68.3	4.35	64.9	4.18	63.3	3.89	60.6	3.83	57.7	3.41
		31.8	72.5	4.56	68.2	4.38	64.9	4.21	63.3	3.92	60.6	3.85	57.7	3.44
		38.1	72.5	4.58	68.2	4.40	64.9	4.22	63.3	3.93	60.6	3.86	57.7	3.45
	50	10.2	72.2	4.05	67.9	3.88	64.9	3.69	63.3	3.45	60.6	3.38	57.7	3.03
		12.7	72.2	4.05	68.0	3.88	64.9	3.69	63.3	3.46	60.6	3.38	57.7	3.04
		25.4	72.5	4.05	68.3	3.88	64.9	3.69	63.3	3.50	60.6	3.37	57.7	3.07
		31.8	72.5	4.06	68.2	3.84	64.9	3.65	63.3	3.46	60.6	3.34	57.7	3.04
		38.1	72.5	4.07	68.2	3.82	64.9	3.63	63.3	3.44	60.6	3.33	57.7	3.02
	59	10.2	72.5	3.70	68.2	3.51	64.9	3.31	63.3	3.11	60.6	3.03	57.7	2.73
		12.7	72.5	3.67	68.2	3.49	64.9	3.29	63.3	3.11	60.6	3.01	57.7	2.73
		25.4	72.5	3.58	68.2	3.39	64.9	3.20	63.3	3.11	60.6	2.92	57.7	2.73
		31.8	72.5	3.58	68.2	3.29	64.9	3.11	63.3	3.01	60.6	2.83	57.7	2.64
		38.1	72.5	3.58	68.2	3.24	64.9	3.06	63.3	2.96	60.6	2.78	57.7	2.60
	68	10.2	72.5	3.23	68.2	3.03	64.9	2.85	63.3	2.75	60.6	2.66	57.7	2.47
		12.7	72.5	3.20	68.2	3.01	64.9	2.83	63.3	2.73	60.6	2.64	57.7	2.45
		25.4	72.5	3.11	68.2	2.92	64.9	2.73	63.3	2.64	60.6	2.54	57.7	2.36
		31.8	72.5	3.11	68.2	2.92	64.9	2.73	63.3	2.64	60.6	2.54	57.7	2.36
		38.1	72.5	3.11	68.2	2.92	64.9	2.73	63.3	2.64	60.6	2.54	57.7	2.36
	77	10.2	72.5	2.85	68.2	2.66	64.9	2.45	63.3	2.47	60.6	2.26	57.7	2.18
		12.7	72.5	2.83	68.2	2.64	64.9	2.45	63.3	2.45	60.6	2.26	57.7	2.16
		25.4	72.5	2.73	68.2	2.54	64.9	2.45	63.3	2.36	60.6	2.26	57.7	2.07
		31.8	72.5	2.73	68.2	2.54	64.9	2.36	63.3	2.36	60.6	2.26	57.7	2.07
		38.1	72.5	2.73	68.2	2.54	64.9	2.31	63.3	2.36	60.6	2.26	57.7	2.07
	86	10.2	72.5	2.57	68.2	2.38	64.9	2.28	63.3	2.18	60.6	2.10	57.7	2.00
		12.7	72.5	2.54	68.2	2.36	64.9	2.26	63.3	2.16	60.6	2.07	57.7	1.98
		25.4	72.5	2.45	68.2	2.26	64.9	2.16	63.3	2.07	60.6	1.98	57.7	1.88
		31.8	72.5	2.45	68.2	2.26	64.9	2.16	63.3	2.07	60.6	1.98	57.7	1.88
		38.1	72.5	2.45	68.2	2.26	64.9	2.16	63.3	2.07	60.6	1.98	57.7	1.88
	95	10.2	72.5	2.26	68.2	2.18	64.9	1.98	63.3	2.00	60.6	1.90	57.7	1.82
		12.7	72.5	2.26	68.2	2.16	64.9	1.98	63.3	1.98	60.6	1.88	57.7	1.79
		25.4	72.5	2.26	68.2	2.07	64.9	1.98	63.3	1.88	60.6	1.79	57.7	1.70
		31.8	72.5	2.26	68.2	2.07	64.9	1.88	63.3	1.88	60.6	1.79	57.7	1.70
		38.1	72.5	2.26	68.2	2.07	64.9	1.83	63.3	1.88	60.6	1.79	57.7	1.70
	104	10.2	72.5	2.07	68.2	2.00	64.9	1.79	63.3	1.82	60.6	1.72	57.7	1.60
		12.7	72.5	2.07	68.2	1.98	64.9	1.79	63.3	1.79	60.6	1.70	57.7	1.60
		25.4	72.5	2.07	68.2	1.88	64.9	1.79	63.3	1.70	60.6	1.60	57.7	1.60
		31.8	72.5	2.07	68.2	1.88	64.9	1.79	63.3	1.70	60.6	1.60	57.7	1.60
		38.1	72.5	2.07	68.2	1.88	64.9	1.79	63.3	1.70	60.6	1.60	57.7	1.60
	113	10.2	72.5	1.88	68.2	1.82	64.9	1.60	63.3	1.62	60.6	1.53	57.7	1.39
		12.7	72.5	1.88	68.2	1.79	64.9	1.60	63.3	1.60	60.6	1.51	57.7	1.41
		25.4	72.5	1.88	68.2	1.70	64.9	1.60	63.3	1.51	60.6	1.41	57.7	1.51
		31.8	72.5	1.88	68.2	1.70	64.9	1.70	63.3	1.51	60.6	1.41	57.7	1.51
		38.1	72.5	1.88	68.2	1.70	64.9	1.74	63.3	1.51	60.6	1.41	57.7	1.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN096BAS4, ARWB096BAS4

96,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	10.2	24.2	2.20	22.7	2.09	21.5	1.97	21.2	1.87	21.1	1.75	20.7	1.66
		12.7	25.0	2.25	23.5	2.13	22.2	2.02	21.9	1.91	21.8	1.79	21.4	1.70
		25.4	28.2	2.44	26.5	2.32	25.1	2.18	24.8	2.07	24.7	1.95	24.2	1.83
		31.8	31.2	2.63	29.3	2.49	27.7	2.36	27.4	2.24	27.2	2.09	26.8	1.98
		38.1	32.8	2.73	30.8	2.58	29.0	2.45	28.7	2.32	28.5	2.17	28.1	2.05
	32	10.2	43.1	3.23	40.0	3.06	37.1	2.88	36.3	2.74	35.8	2.57	34.6	2.43
		12.7	43.4	3.23	40.2	3.07	37.4	2.89	36.6	2.75	36.1	2.58	34.8	2.44
		25.4	44.4	3.26	41.1	3.10	38.3	2.93	37.5	2.79	37.0	2.61	35.6	2.46
		31.8	45.1	3.26	41.7	3.10	38.8	2.93	38.1	2.79	37.5	2.61	36.2	2.46
		38.1	45.5	3.26	42.0	3.10	39.0	2.93	38.4	2.79	37.7	2.61	36.5	2.46
	41	10.2	59.6	3.51	56.6	3.32	53.9	3.14	52.6	2.99	50.3	2.80	48.0	2.63
		12.7	59.8	3.53	56.7	3.34	53.9	3.16	52.6	3.00	50.3	2.82	48.0	2.65
		25.4	60.3	3.59	57.1	3.41	54.1	3.22	52.6	3.06	50.3	2.86	48.0	2.71
		31.8	60.3	3.62	57.0	3.44	54.1	3.24	52.6	3.08	50.3	2.89	48.0	2.73
		38.1	60.3	3.64	56.9	3.45	54.1	3.25	52.6	3.09	50.3	2.91	48.0	2.74
	50	10.2	60.0	3.23	56.7	3.04	53.9	2.86	52.6	2.73	50.3	2.53	48.0	2.41
		12.7	60.1	3.22	56.8	3.04	53.9	2.85	52.6	2.73	50.3	2.53	48.0	2.41
		25.4	60.3	3.20	57.1	3.03	54.1	2.83	52.6	2.71	50.3	2.56	48.0	2.39
		31.8	60.3	3.22	57.0	3.04	54.1	2.84	52.6	2.72	50.3	2.52	48.0	2.40
		38.1	60.3	3.23	56.9	3.04	54.1	2.85	52.6	2.72	50.3	2.50	48.0	2.40
	59	10.2	60.3	2.95	57.0	2.75	54.1	2.57	52.6	2.47	50.3	2.26	48.0	2.18
		12.7	60.3	2.92	57.0	2.73	54.1	2.54	52.6	2.45	50.3	2.26	48.0	2.16
		25.4	60.3	2.83	57.0	2.64	54.1	2.45	52.6	2.36	50.3	2.26	48.0	2.07
		31.8	60.3	2.83	57.0	2.64	54.1	2.45	52.6	2.36	50.3	2.16	48.0	2.07
		38.1	60.3	2.83	57.0	2.64	54.1	2.45	52.6	2.36	50.3	2.11	48.0	2.07
	68	10.2	60.3	2.57	57.0	2.38	54.1	2.28	52.6	2.18	50.3	2.10	48.0	1.88
		12.7	60.3	2.54	57.0	2.36	54.1	2.26	52.6	2.16	50.3	2.07	48.0	1.88
		25.4	60.3	2.45	57.0	2.26	54.1	2.16	52.6	2.07	50.3	1.98	48.0	1.88
		31.8	60.3	2.45	57.0	2.26	54.1	2.16	52.6	2.07	50.3	1.98	48.0	1.88
		38.1	60.3	2.45	57.0	2.26	54.1	2.16	52.6	2.07	50.3	1.98	48.0	1.88
	77	10.2	60.3	2.28	57.0	2.07	54.1	2.00	52.6	1.88	50.3	1.79	48.0	1.70
		12.7	60.3	2.26	57.0	2.07	54.1	1.98	52.6	1.88	50.3	1.79	48.0	1.70
		25.4	60.3	2.16	57.0	2.07	54.1	1.88	52.6	1.88	50.3	1.79	48.0	1.70
		31.8	60.3	2.16	57.0	2.07	54.1	1.88	52.6	1.88	50.3	1.79	48.0	1.70
		38.1	60.3	2.16	57.0	2.07	54.1	1.88	52.6	1.88	50.3	1.79	48.0	1.70
	86	10.2	60.3	2.10	57.0	1.90	54.1	1.82	52.6	1.70	50.3	1.72	48.0	1.62
		12.7	60.3	2.07	57.0	1.88	54.1	1.79	52.6	1.70	50.3	1.70	48.0	1.60
		25.4	60.3	1.98	57.0	1.79	54.1	1.70	52.6	1.70	50.3	1.60	48.0	1.51
		31.8	60.3	1.98	57.0	1.79	54.1	1.70	52.6	1.70	50.3	1.60	48.0	1.51
		38.1	60.3	1.98	57.0	1.79	54.1	1.70	52.6	1.70	50.3	1.60	48.0	1.51
	95	10.2	60.3	1.90	57.0	1.70	54.1	1.60	52.6	1.62	50.3	1.51	48.0	1.41
		12.7	60.3	1.88	57.0	1.70	54.1	1.60	52.6	1.60	50.3	1.51	48.0	1.41
		25.4	60.3	1.79	57.0	1.70	54.1	1.60	52.6	1.51	50.3	1.51	48.0	1.41
		31.8	60.3	1.79	57.0	1.70	54.1	1.60	52.6	1.51	50.3	1.51	48.0	1.41
		38.1	60.3	1.79	57.0	1.70	54.1	1.60	52.6	1.51	50.3	1.51	48.0	1.41
	104	10.2	60.3	1.72	57.0	1.62	54.1	1.53	52.6	1.41	50.3	1.44	48.0	1.32
		12.7	60.3	1.70	57.0	1.60	54.1	1.51	52.6	1.41	50.3	1.41	48.0	1.32
		25.4	60.3	1.60	57.0	1.51	54.1	1.41	52.6	1.41	50.3	1.32	48.0	1.32
		31.8	60.3	1.60	57.0	1.51	54.1	1.41	52.6	1.41	50.3	1.32	48.0	1.32
		38.1	60.3	1.60	57.0	1.51	54.1	1.41	52.6	1.41	50.3	1.32	48.0	1.32
	113	10.2	60.3	1.53	57.0	1.56	54.1	1.46	52.6	1.21	50.3	1.36	48.0	1.23
		12.7	60.3	1.51	57.0	1.51	54.1	1.41	52.6	1.23	50.3	1.32	48.0	1.23
		25.4	60.3	1.41	57.0	1.32	54.1	1.23	52.6	1.32	50.3	1.13	48.0	1.23
		31.8	60.3	1.41	57.0	1.32	54.1	1.23	52.6	1.32	50.3	1.13	48.0	1.23
		38.1	60.3	1.41	57.0	1.32	54.1	1.23	52.6	1.32	50.3	1.13	48.0	1.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	12.2	63.9	7.68	63.4	7.23	63.0	6.73	62.2	6.53	62.9	6.36	61.2	5.70
		15.2	66.1	7.81	65.6	7.37	65.2	6.88	64.3	6.67	65.1	6.50	63.3	5.83
		30.4	74.7	8.34	74.1	7.92	73.7	7.46	72.7	7.24	73.6	7.04	71.7	6.32
		38.0	82.6	8.87	81.9	8.47	81.4	8.04	80.4	7.82	81.4	7.60	79.2	6.81
		45.6	86.6	9.14	85.8	8.74	85.2	8.33	84.2	8.12	85.3	7.88	83.0	7.06
	32	12.2	114.1	10.50	111.5	10.19	109.1	9.85	106.7	9.58	107.1	9.31	102.2	8.34
		15.2	114.8	10.53	112.1	10.21	109.8	9.88	107.4	9.60	107.7	9.34	102.9	8.37
		30.4	117.5	10.64	114.7	10.31	112.3	10.00	109.9	9.72	110.3	9.44	105.4	8.47
		38.0	119.3	10.64	116.4	10.31	114.0	10.00	111.5	9.72	111.9	9.44	106.9	8.47
		45.6	120.2	10.64	117.3	10.31	114.9	10.00	112.3	9.72	112.7	9.44	107.6	8.47
	41	12.2	164.3	11.29	161.8	11.01	158.5	10.73	154.5	10.42	150.3	10.14	142.0	9.08
		15.2	164.9	11.34	162.1	11.06	158.5	10.78	154.5	10.48	150.3	10.19	142.0	9.12
		30.4	167.1	11.54	163.3	11.26	158.6	11.00	154.5	10.69	150.3	10.39	142.0	9.31
		38.0	168.2	11.61	163.8	11.34	158.6	11.07	154.5	10.77	150.3	10.46	142.0	9.38
		45.6	168.7	11.65	164.0	11.37	158.6	11.11	154.5	10.81	150.3	10.50	142.0	9.41
	50	12.2	164.5	10.27	161.9	9.92	158.0	9.74	153.8	9.52	149.7	9.19	141.5	8.30
		15.2	165.5	10.25	162.6	9.93	158.6	9.76	154.5	9.52	150.3	9.19	142.0	8.29
		30.4	169.4	10.17	165.6	9.97	161.1	9.83	157.0	9.50	152.6	9.16	144.3	8.27
		38.0	170.3	10.31	166.8	10.11	162.1	9.87	157.7	9.54	153.6	9.31	145.2	8.66
		45.6	170.7	10.38	167.3	10.18	162.6	9.89	158.1	9.56	154.1	9.39	145.6	8.85
	59	12.2	164.8	9.26	161.9	8.86	157.3	8.76	153.2	8.62	149.2	8.25	140.9	7.52
		15.2	166.1	9.16	163.1	8.82	158.6	8.75	154.5	8.56	150.3	8.19	142.0	7.46
		30.4	171.5	8.80	168.0	8.67	163.6	8.67	159.5	8.30	154.8	7.94	146.6	7.20
		38.0	172.4	9.01	169.7	8.87	165.6	8.67	161.1	8.30	157.0	8.16	148.3	7.94
		45.6	172.9	9.12	170.5	8.97	166.7	8.67	161.9	8.30	158.1	8.28	149.2	8.31
	68	12.2	171.1	8.49	167.9	8.09	163.5	7.92	159.0	7.66	154.4	7.49	145.2	7.26
		15.2	172.4	8.43	169.3	8.09	164.8	7.91	160.2	7.70	155.7	7.54	146.6	7.20
		30.4	177.8	8.19	174.7	8.06	169.8	7.89	165.3	7.82	161.1	7.75	152.0	6.96
		38.0	178.6	8.19	175.9	8.06	171.8	7.94	166.9	7.82	162.4	7.75	153.2	7.41
		45.6	179.0	8.19	176.6	8.06	172.8	7.96	167.7	7.82	163.0	7.75	153.8	7.63
	77	12.2	180.6	8.09	175.9	7.86	171.8	7.73	168.5	7.60	164.8	7.49	155.3	7.00
		15.2	180.6	8.06	175.9	7.85	171.8	7.70	168.5	7.57	164.8	7.46	155.3	6.96
		30.4	180.6	7.94	175.9	7.80	171.8	7.57	168.5	7.46	164.8	7.33	155.3	6.84
		38.0	180.6	7.82	175.9	7.60	171.8	7.46	168.5	7.33	164.8	7.20	155.3	6.72
		45.6	180.6	7.77	175.9	7.49	171.8	7.40	168.5	7.27	164.8	7.14	155.3	6.67
	86	12.2	180.6	7.89	175.9	7.49	171.8	7.43	168.5	7.23	164.8	7.15	155.3	6.66
		15.2	180.6	7.82	175.9	7.48	171.8	7.38	168.5	7.20	164.8	7.09	155.3	6.60
		30.4	180.6	7.57	175.9	7.43	171.8	7.20	168.5	7.09	164.8	6.84	155.3	6.36
		38.0	180.6	7.46	175.9	7.23	171.8	7.09	168.5	6.96	164.8	6.84	155.3	6.36
		45.6	180.6	7.40	175.9	7.13	171.8	7.03	168.5	6.90	164.8	6.84	155.3	6.36
	95	12.2	180.6	7.52	175.9	7.27	171.8	7.12	168.5	6.87	164.8	6.63	155.3	6.16
		15.2	180.6	7.46	175.9	7.23	171.8	7.09	168.5	6.84	164.8	6.60	155.3	6.10
		30.4	180.6	7.20	175.9	7.06	171.8	6.96	168.5	6.72	164.8	6.47	155.3	5.86
		38.0	180.6	7.20	175.9	6.99	171.8	6.84	168.5	6.60	164.8	6.36	155.3	5.86
		45.6	180.6	7.20	175.9	6.95	171.8	6.77	168.5	6.53	164.8	6.30	155.3	5.86
	104	12.2	180.6	7.26	175.9	7.03	171.8	6.90	168.5	6.66	164.8	6.42	155.3	5.80
		15.2	180.6	7.20	175.9	6.99	171.8	6.84	168.5	6.60	164.8	6.36	155.3	5.74
		30.4	180.6	6.96	175.9	6.81	171.8	6.60	168.5	6.36	164.8	6.10	155.3	5.50
		38.0	180.6	6.84	175.9	6.70	171.8	6.60	168.5	6.36	164.8	6.10	155.3	5.50
		45.6	180.6	6.77	175.9	6.64	171.8	6.60	168.5	6.36	164.8	6.10	155.3	5.50
	113	12.2	180.6	7.02	175.9	6.79	171.8	6.69	168.5	6.45	164.8	6.20	155.3	5.43
		15.2	180.6	6.96	175.9	6.75	171.8	6.60	168.5	6.36	164.8	6.10	155.3	5.37
		30.4	180.6	6.72	175.9	6.57	171.8	6.23	168.5	5.99	164.8	5.74	155.3	5.13
		38.0	180.6	6.47	175.9	6.41	171.8	6.36	168.5	6.10	164.8	5.86	155.3	5.13
		45.6	180.6	6.34	175.9	6.32	171.8	6.42	168.5	6.16	164.8	5.93	155.3	5.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	12.2	60.7	7.68	60.2	7.23	59.8	6.73	59.1	6.44	59.6	6.26	58.0	5.60
		15.2	62.8	7.81	62.3	7.37	61.9	6.88	61.2	6.58	61.7	6.39	60.0	5.72
		30.4	71.1	8.34	70.5	7.92	70.1	7.46	69.2	7.14	69.8	6.94	67.9	6.22
		38.0	78.5	8.87	77.9	8.47	77.4	8.04	76.5	7.71	77.1	7.48	75.0	6.70
		45.6	82.2	9.14	81.6	8.74	81.0	8.33	80.1	8.00	80.8	7.76	78.5	6.94
	32	12.2	108.5	10.50	105.9	10.19	103.6	9.85	101.5	9.44	101.5	9.17	96.8	8.20
		15.2	109.1	10.53	106.5	10.21	104.2	9.88	102.1	9.47	102.1	9.20	97.5	8.23
		30.4	111.6	10.64	109.0	10.31	106.7	10.00	104.5	9.58	104.5	9.30	99.8	8.33
		38.0	113.4	10.64	110.8	10.31	108.4	10.00	106.1	9.58	106.0	9.30	101.3	8.33
		45.6	114.3	10.64	111.6	10.31	109.2	10.00	106.9	9.58	106.8	9.30	102.1	8.33
	41	12.2	156.4	11.29	154.1	11.01	150.7	10.73	147.1	10.27	142.4	9.98	134.6	8.94
		15.2	157.0	11.34	154.3	11.06	150.7	10.78	147.1	10.33	142.4	10.03	134.6	8.99
		30.4	159.2	11.54	155.5	11.26	150.7	11.00	147.1	10.54	142.4	10.24	134.6	9.16
		38.0	160.1	11.61	154.6	11.34	150.7	11.07	147.1	10.62	142.4	10.31	134.6	9.23
		45.6	160.6	11.65	154.1	11.37	150.7	11.11	147.1	10.65	142.4	10.35	134.6	9.26
	50	12.2	157.0	10.14	154.1	9.86	150.3	9.66	146.6	9.36	142.0	9.06	134.3	8.14
		15.2	157.7	10.17	154.7	9.90	150.7	9.69	147.1	9.38	142.4	9.05	134.6	8.15
		30.4	160.6	10.31	157.2	10.05	152.3	9.83	148.7	9.43	143.9	9.02	136.0	8.19
		38.0	161.5	10.27	156.7	10.05	153.0	9.87	149.3	9.47	144.5	9.06	136.6	8.47
		45.6	161.9	10.26	156.5	10.05	153.3	9.89	149.6	9.48	144.9	9.08	136.9	8.61
	59	12.2	157.4	8.99	154.3	8.73	149.8	8.59	146.2	8.46	141.7	8.12	133.9	7.36
		15.2	158.4	9.01	155.2	8.75	150.7	8.61	147.1	8.43	142.4	8.06	134.6	7.33
		30.4	162.0	9.09	159.0	8.82	154.1	8.67	150.3	8.30	145.3	7.82	137.5	7.20
		38.0	162.9	8.95	158.9	8.75	155.3	8.67	151.6	8.30	146.6	7.82	138.8	7.70
		45.6	163.3	8.88	158.8	8.71	156.0	8.67	152.2	8.30	147.2	7.82	139.4	7.94
	68	12.2	161.8	8.09	158.8	7.74	154.0	7.54	149.7	7.43	144.9	7.34	137.1	6.96
		15.2	162.9	8.09	159.7	7.77	154.8	7.57	150.7	7.46	145.8	7.33	137.9	6.94
		30.4	167.0	8.09	163.5	7.89	158.2	7.70	154.5	7.57	149.4	7.30	141.2	6.84
		38.0	167.8	8.01	163.4	7.82	159.5	7.70	155.3	7.57	150.3	7.33	142.0	7.09
		45.6	168.2	7.97	163.3	7.79	160.1	7.70	155.8	7.57	150.8	7.34	142.5	7.22
	77	12.2	169.7	7.65	164.8	7.29	159.5	7.15	156.1	7.00	152.0	6.87	143.7	6.39
		15.2	169.8	7.62	164.8	7.28	159.5	7.14	156.1	6.96	152.0	6.84	143.7	6.36
		30.4	170.2	7.51	164.8	7.23	159.5	7.09	156.1	6.84	152.0	6.72	143.7	6.23
		38.0	170.7	7.23	164.8	7.04	159.5	6.96	156.1	6.84	152.0	6.60	143.7	6.23
		45.6	170.9	7.09	164.8	6.94	159.5	6.90	156.1	6.84	152.0	6.53	143.7	6.23
	86	12.2	170.7	7.31	164.8	6.95	159.5	6.76	156.1	6.50	152.0	6.42	143.7	5.90
		15.2	170.7	7.25	164.8	6.91	159.5	6.72	156.1	6.47	152.0	6.36	143.7	5.86
		30.4	170.7	7.01	164.8	6.75	159.5	6.60	156.1	6.36	152.0	6.10	143.7	5.74
		38.0	170.7	6.79	164.8	6.60	159.5	6.47	156.1	6.36	152.0	6.10	143.7	5.62
		45.6	170.7	6.67	164.8	6.52	159.5	6.41	156.1	6.36	152.0	6.10	143.7	5.57
	95	12.2	170.7	6.99	164.8	6.61	159.5	6.42	156.1	6.16	152.0	5.92	143.7	5.40
		15.2	170.7	6.89	164.8	6.55	159.5	6.36	156.1	6.10	152.0	5.86	143.7	5.37
		30.4	170.7	6.50	164.8	6.31	159.5	6.10	156.1	5.86	152.0	5.62	143.7	5.26
		38.0	170.7	6.42	164.8	6.26	159.5	6.10	156.1	5.86	152.0	5.62	143.7	5.13
		45.6	170.7	6.38	164.8	6.23	159.5	6.10	156.1	5.86	152.0	5.62	143.7	5.07
	104	12.2	170.7	6.78	164.8	6.30	159.5	6.05	156.1	5.80	152.0	5.56	143.7	5.03
		15.2	170.7	6.65	164.8	6.23	159.5	5.99	156.1	5.74	152.0	5.50	143.7	5.00
		30.4	170.7	6.13	164.8	5.94	159.5	5.74	156.1	5.50	152.0	5.26	143.7	4.89
		38.0	170.7	6.05	164.8	5.86	159.5	5.74	156.1	5.50	152.0	5.26	143.7	4.76
		45.6	170.7	6.02	164.8	5.83	159.5	5.74	156.1	5.50	152.0	5.26	143.7	4.70
	113	12.2	170.7	6.57	164.8	6.00	159.5	5.69	156.1	5.43	152.0	5.19	143.7	4.67
		15.2	170.7	6.41	164.8	5.91	159.5	5.62	156.1	5.37	152.0	5.13	143.7	4.64
		30.4	170.7	5.76	164.8	5.57	159.5	5.37	156.1	5.13	152.0	4.89	143.7	4.52
		38.0	170.7	5.69	164.8	5.47	159.5	5.37	156.1	5.13	152.0	4.89	143.7	4.40
		45.6	170.7	5.65	164.8	5.42	159.5	5.37	156.1	5.13	152.0	4.89	143.7	4.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	12.2	57.4	7.78	57.1	7.23	56.7	6.73	56.1	6.44	56.2	6.26	55.0	5.60
		15.2	59.4	7.91	59.0	7.37	58.6	6.88	58.0	6.58	58.1	6.39	56.9	5.72
		30.4	67.2	8.44	66.8	7.92	66.4	7.46	65.7	7.14	65.7	6.94	64.4	6.22
		38.0	74.2	8.99	73.7	8.47	73.3	8.04	72.6	7.71	72.6	7.48	71.1	6.70
		45.6	77.8	9.26	77.2	8.74	76.8	8.33	76.1	8.00	76.1	7.76	74.4	6.94
	32	12.2	102.6	10.64	100.4	10.19	98.3	9.85	96.4	9.44	95.5	9.17	91.9	8.20
		15.2	103.2	10.67	101.0	10.21	98.8	9.88	96.9	9.47	96.1	9.20	92.4	8.23
		30.4	105.6	10.77	103.4	10.31	101.1	10.00	99.2	9.58	98.3	9.30	94.6	8.33
		38.0	107.2	10.77	105.0	10.31	102.7	10.00	100.7	9.58	99.8	9.30	95.9	8.33
		45.6	108.1	10.77	105.8	10.31	103.5	10.00	101.5	9.58	100.6	9.30	96.6	8.33
	41	12.2	149.7	11.44	146.1	11.01	142.8	10.73	139.5	10.27	134.1	9.98	127.6	8.94
		15.2	150.2	11.49	146.4	11.06	142.8	10.78	139.5	10.33	134.1	10.03	127.6	8.99
		30.4	152.2	11.69	147.6	11.26	142.9	11.00	139.5	10.54	134.1	10.24	127.6	9.16
		38.0	153.1	11.77	147.9	11.34	142.9	11.07	139.5	10.62	134.1	10.31	127.6	9.23
		45.6	153.5	11.80	148.1	11.37	142.9	11.11	139.5	10.65	134.1	10.35	127.6	9.26
	50	12.2	150.3	10.26	146.5	9.90	142.6	9.69	139.3	9.36	133.9	9.06	127.4	8.14
		15.2	150.8	10.27	146.9	9.93	142.8	9.72	139.5	9.38	134.1	9.05	127.6	8.15
		30.4	153.1	10.35	148.4	10.05	143.7	9.83	140.4	9.43	135.0	9.02	128.2	8.19
		38.0	154.0	10.35	149.1	10.05	144.2	9.81	140.7	9.40	135.3	9.06	128.6	8.28
		45.6	154.4	10.35	149.4	10.05	144.4	9.79	140.8	9.39	135.4	9.08	128.8	8.32
	59	12.2	150.7	9.07	146.8	8.82	142.5	8.67	139.1	8.46	133.7	8.12	127.3	7.36
		15.2	151.3	9.06	147.3	8.82	142.9	8.67	139.5	8.43	134.1	8.06	127.6	7.33
		30.4	153.8	9.01	149.4	8.82	144.5	8.67	141.2	8.30	135.9	7.82	128.8	7.20
		38.0	154.7	8.95	150.2	8.75	145.3	8.56	141.7	8.19	136.3	7.82	129.6	7.33
		45.6	155.2	8.92	150.6	8.71	145.7	8.50	141.9	8.13	136.4	7.82	130.0	7.39
	68	12.2	153.5	7.83	149.3	7.65	144.5	7.46	140.6	7.33	135.5	7.12	128.3	6.66
		15.2	154.3	7.85	149.8	7.65	144.9	7.46	141.2	7.33	135.9	7.09	128.8	6.65
		30.4	157.6	7.91	151.8	7.65	146.6	7.46	143.3	7.33	137.5	6.96	130.9	6.60
		38.0	158.5	7.91	153.1	7.65	147.4	7.46	143.7	7.20	138.3	6.96	131.2	6.60
		45.6	158.9	7.91	153.7	7.65	147.9	7.46	143.9	7.14	138.6	6.96	131.4	6.60
	77	12.2	158.3	7.13	153.6	6.87	147.4	6.76	144.2	6.50	139.1	6.26	131.7	5.74
		15.2	158.6	7.12	153.6	6.84	147.4	6.72	144.2	6.47	139.1	6.23	131.7	5.74
		30.4	159.9	7.06	153.6	6.72	147.4	6.60	144.2	6.36	139.1	6.10	131.7	5.74
		38.0	160.6	7.06	153.6	6.75	147.4	6.47	144.2	6.36	139.1	5.99	131.7	5.62
		45.6	161.0	7.06	153.6	6.76	147.4	6.41	144.2	6.36	139.1	5.93	131.7	5.57
	86	12.2	160.6	6.50	153.6	6.26	147.4	6.02	144.2	5.90	139.1	5.53	131.7	5.16
		15.2	160.6	6.47	153.6	6.23	147.4	5.99	144.2	5.86	139.1	5.50	131.7	5.13
		30.4	160.6	6.36	153.6	6.10	147.4	5.86	144.2	5.74	139.1	5.37	131.7	5.00
		38.0	160.6	6.31	153.6	5.99	147.4	5.74	144.2	5.62	139.1	5.37	131.7	5.00
		45.6	160.6	6.28	153.6	5.93	147.4	5.67	144.2	5.57	139.1	5.37	131.7	5.00
	95	12.2	160.6	6.16	153.6	5.77	147.4	5.53	144.2	5.29	139.1	5.03	131.7	4.67
		15.2	160.6	6.10	153.6	5.74	147.4	5.50	144.2	5.26	139.1	5.00	131.7	4.64
		30.4	160.6	5.86	153.6	5.62	147.4	5.37	144.2	5.13	139.1	4.89	131.7	4.52
		38.0	160.6	5.71	153.6	5.50	147.4	5.26	144.2	5.13	139.1	4.89	131.7	4.52
		45.6	160.6	5.64	153.6	5.43	147.4	5.20	144.2	5.13	139.1	4.89	131.7	4.52
	104	12.2	160.6	5.80	153.6	5.56	147.4	5.19	144.2	4.92	139.1	4.67	131.7	4.30
		15.2	160.6	5.74	153.6	5.50	147.4	5.13	144.2	4.89	139.1	4.64	131.7	4.27
		30.4	160.6	5.50	153.6	5.26	147.4	4.89	144.2	4.76	139.1	4.52	131.7	4.16
		38.0	160.6	5.42	153.6	5.13	147.4	4.89	144.2	4.64	139.1	4.40	131.7	4.03
		45.6	160.6	5.38	153.6	5.07	147.4	4.89	144.2	4.57	139.1	4.33	131.7	3.97
	113	12.2	160.6	5.43	153.6	5.35	147.4	4.86	144.2	4.56	139.1	4.30	131.7	3.93
		15.2	160.6	5.37	153.6	5.26	147.4	4.76	144.2	4.52	139.1	4.27	131.7	3.91
		30.4	160.6	5.13	153.6	4.89	147.4	4.40	144.2	4.40	139.1	4.16	131.7	3.79
		38.0	160.6	5.13	153.6	4.76	147.4	4.52	144.2	4.16	139.1	3.91	131.7	3.54
		45.6	160.6	5.13	153.6	4.70	147.4	4.59	144.2	4.04	139.1	3.78	131.7	3.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	12.2	54.3	7.78	53.9	7.33	53.7	6.73	53.2	6.44	52.7	6.16	51.7	5.60
		15.2	56.1	7.91	55.8	7.47	55.5	6.88	55.0	6.58	54.5	6.29	53.5	5.72
		30.4	63.5	8.44	63.2	8.03	62.8	7.46	62.2	7.14	61.7	6.84	60.7	6.22
		38.0	70.2	8.99	69.7	8.58	69.3	8.04	68.7	7.71	68.2	7.37	66.9	6.70
		45.6	73.6	9.26	73.0	8.86	72.6	8.33	72.0	8.00	71.5	7.64	70.1	6.94
	32	12.2	97.0	10.64	94.9	10.32	92.9	9.85	91.3	9.44	89.6	9.04	86.5	8.20
		15.2	97.6	10.67	95.4	10.35	93.4	9.88	91.8	9.47	90.2	9.06	87.0	8.23
		30.4	99.8	10.77	97.7	10.45	95.6	10.00	93.9	9.58	92.3	9.16	89.0	8.33
		38.0	101.3	10.77	99.2	10.45	97.1	10.00	95.3	9.58	93.7	9.16	90.4	8.33
		45.6	102.1	10.77	100.0	10.45	97.8	10.00	96.0	9.58	94.4	9.16	91.1	8.33
	41	12.2	143.2	11.44	138.4	11.16	134.8	10.73	132.1	10.27	125.8	9.83	120.1	8.94
		15.2	143.7	11.49	138.6	11.21	134.9	10.78	132.1	10.33	125.8	9.88	120.1	8.99
		30.4	145.7	11.69	139.6	11.41	135.0	11.00	132.1	10.54	125.8	10.09	120.1	9.16
		38.0	146.6	11.77	140.0	11.49	135.0	11.07	132.1	10.62	125.8	10.15	120.1	9.23
		45.6	147.0	11.80	140.2	11.53	135.0	11.11	132.1	10.65	125.8	10.18	120.1	9.26
	50	12.2	143.9	10.23	138.8	10.00	135.0	9.69	132.1	9.36	125.8	8.90	120.1	8.14
		15.2	144.3	10.27	139.0	10.03	135.0	9.72	132.1	9.38	125.8	8.91	120.1	8.15
		30.4	145.7	10.46	139.8	10.16	135.0	9.83	132.1	9.43	125.8	8.95	120.1	8.19
		38.0	146.7	10.43	140.4	10.16	135.0	9.81	132.1	9.40	125.8	8.92	120.1	8.15
		45.6	147.2	10.41	140.7	10.16	135.0	9.79	132.1	9.39	125.8	8.91	120.1	8.13
	59	12.2	144.7	9.02	139.4	8.87	135.0	8.67	132.1	8.46	125.8	7.97	120.1	7.36
		15.2	144.9	9.06	139.5	8.87	135.0	8.67	132.1	8.43	125.8	7.94	120.1	7.33
		30.4	145.7	9.24	139.9	8.90	135.0	8.67	132.1	8.30	125.8	7.82	120.1	7.20
		38.0	146.9	9.09	140.7	8.82	135.0	8.56	132.1	8.19	125.8	7.70	120.1	7.09
		45.6	147.6	9.01	141.0	8.78	135.0	8.50	132.1	8.13	125.8	7.63	120.1	7.03
	68	12.2	145.5	7.71	140.2	7.51	135.0	7.33	132.1	7.23	125.8	6.76	120.1	6.42
		15.2	146.1	7.75	140.3	7.52	135.0	7.33	132.1	7.20	125.8	6.72	120.1	6.36
		30.4	148.2	7.89	140.7	7.54	135.0	7.33	132.1	7.09	125.8	6.60	120.1	6.10
		38.0	149.1	7.75	141.9	7.48	135.0	7.20	132.1	6.96	125.8	6.47	120.1	5.99
		45.6	149.5	7.68	142.5	7.45	135.0	7.14	132.1	6.90	125.8	6.41	120.1	5.93
	77	12.2	147.3	6.74	142.4	6.53	135.0	6.26	132.1	6.02	125.8	5.66	120.1	5.13
		15.2	147.8	6.75	142.4	6.50	135.0	6.23	132.1	5.99	125.8	5.62	120.1	5.13
		30.4	149.9	6.77	142.4	6.36	135.0	6.10	132.1	5.86	125.8	5.50	120.1	5.13
		38.0	150.7	6.62	142.4	6.31	135.0	5.99	132.1	5.74	125.8	5.50	120.1	5.00
		45.6	151.1	6.55	142.4	6.28	135.0	5.93	132.1	5.67	125.8	5.50	120.1	4.94
	86	12.2	150.7	6.13	142.4	5.66	135.0	5.27	132.1	5.16	125.8	4.76	120.1	4.56
		15.2	150.7	6.10	142.4	5.62	135.0	5.26	132.1	5.13	125.8	4.76	120.1	4.52
		30.4	150.7	5.99	142.4	5.50	135.0	5.21	132.1	5.00	125.8	4.76	120.1	4.40
		38.0	150.7	5.86	142.4	5.50	135.0	5.13	132.1	5.00	125.8	4.64	120.1	4.40
		45.6	150.7	5.80	142.4	5.50	135.0	5.09	132.1	5.00	125.8	4.57	120.1	4.40
	95	12.2	150.7	5.69	142.4	5.19	135.0	4.65	132.1	4.56	125.8	4.30	120.1	3.93
		15.2	150.7	5.62	142.4	5.13	135.0	4.64	132.1	4.52	125.8	4.27	120.1	3.91
		30.4	150.7	5.37	142.4	4.89	135.0	4.59	132.1	4.40	125.8	4.16	120.1	3.79
		38.0	150.7	5.37	142.4	4.89	135.0	4.52	132.1	4.40	125.8	4.16	120.1	3.79
		45.6	150.7	5.37	142.4	4.89	135.0	4.49	132.1	4.40	125.8	4.16	120.1	3.79
	104	12.2	150.7	5.32	142.4	4.83	135.0	4.17	132.1	4.06	125.8	3.82	120.1	3.57
		15.2	150.7	5.26	142.4	4.76	135.0	4.16	132.1	4.03	125.8	3.79	120.1	3.54
		30.4	150.7	5.00	142.4	4.52	135.0	4.11	132.1	3.91	125.8	3.67	120.1	3.42
		38.0	150.7	4.89	142.4	4.52	135.0	4.03	132.1	3.91	125.8	3.67	120.1	3.42
		45.6	150.7	4.83	142.4	4.52	135.0	3.99	132.1	3.91	125.8	3.67	120.1	3.42
	113	12.2	150.7	4.95	142.4	4.46	135.0	3.68	132.1	3.57	125.8	3.33	120.1	3.20
		15.2	150.7	4.89	142.4	4.40	135.0	3.67	132.1	3.54	125.8	3.30	120.1	3.17
		30.4	150.7	4.64	142.4	4.16	135.0	3.61	132.1	3.42	125.8	3.17	120.1	3.06
		38.0	150.7	4.40	142.4	4.16	135.0	3.54	132.1	3.42	125.8	3.17	120.1	3.06
		45.6	150.7	4.28	142.4	4.16	135.0	3.50	132.1	3.42	125.8	3.17	120.1	3.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	12.2	51.2	7.22	49.6	6.57	48.2	5.77	47.8	5.50	47.5	5.30	46.6	4.76
		15.2	53.0	7.34	51.4	6.70	49.9	5.90	49.5	5.62	49.1	5.42	48.2	4.87
		30.4	60.0	7.84	58.1	7.19	56.4	6.41	56.0	6.10	55.6	5.89	54.5	5.28
		38.0	66.3	8.33	64.2	7.70	62.3	6.91	61.8	6.58	61.4	6.34	60.3	5.70
		45.6	69.5	8.58	67.2	7.95	65.3	7.17	64.7	6.83	64.3	6.57	63.2	5.91
	32	12.2	91.6	9.83	87.4	9.23	83.4	8.47	82.2	8.08	80.8	7.78	77.8	6.98
		15.2	92.2	9.86	87.9	9.25	83.9	8.49	82.6	8.10	81.3	7.80	78.2	7.00
		30.4	94.3	9.96	89.9	9.35	85.9	8.58	84.5	8.19	83.1	7.89	80.1	7.08
		38.0	95.7	9.96	91.3	9.35	87.3	8.58	85.8	8.19	84.5	7.89	81.4	7.08
		45.6	96.4	9.96	92.0	9.35	88.0	8.58	86.4	8.19	85.2	7.89	82.0	7.08
	41	12.2	129.5	10.56	125.3	9.96	121.3	9.22	118.8	8.79	113.5	8.46	108.1	7.60
		15.2	129.6	10.60	125.2	10.01	121.3	9.26	118.8	8.83	113.5	8.51	108.1	7.63
		30.4	130.1	10.79	124.8	10.20	121.3	9.44	118.8	9.01	113.5	8.68	108.1	7.78
		38.0	130.9	10.86	125.2	10.26	121.3	9.52	118.8	9.07	113.5	8.75	108.1	7.85
		45.6	131.2	10.89	125.4	10.29	121.3	9.55	118.8	9.11	113.5	8.78	108.1	7.88
	50	12.2	130.2	9.32	125.7	8.86	121.3	8.34	118.8	8.00	113.5	7.68	108.1	6.92
		15.2	130.1	9.33	125.6	8.87	121.3	8.35	118.8	8.01	113.5	7.67	108.1	6.93
		30.4	129.9	9.35	125.0	8.91	121.3	8.39	118.8	8.05	113.5	7.65	108.1	6.95
		38.0	130.7	9.33	125.3	8.88	121.3	8.37	118.8	8.03	113.5	7.67	108.1	6.98
		45.6	131.2	9.31	125.5	8.87	121.3	8.35	118.8	8.01	113.5	7.68	108.1	6.99
	59	12.2	130.8	8.07	126.2	7.78	121.3	7.49	118.8	7.23	113.5	6.90	108.1	6.26
		15.2	130.6	8.04	126.0	7.75	121.3	7.46	118.8	7.20	113.5	6.84	108.1	6.23
		30.4	129.7	7.91	125.1	7.62	121.3	7.33	118.8	7.09	113.5	6.60	108.1	6.10
		38.0	130.6	7.80	125.5	7.51	121.3	7.20	118.8	6.96	113.5	6.60	108.1	6.10
		45.6	131.0	7.74	125.6	7.45	121.3	7.14	118.8	6.90	113.5	6.60	108.1	6.10
	68	12.2	131.6	6.81	126.7	6.62	121.3	6.39	118.8	6.13	113.5	5.92	108.1	5.56
		15.2	131.5	6.81	126.5	6.60	121.3	6.36	118.8	6.10	113.5	5.86	108.1	5.50
		30.4	131.0	6.81	125.5	6.52	121.3	6.23	118.8	5.99	113.5	5.62	108.1	5.26
		38.0	131.4	6.70	125.8	6.47	121.3	6.23	118.8	5.99	113.5	5.62	108.1	5.26
		45.6	131.5	6.64	126.0	6.45	121.3	6.23	118.8	5.99	113.5	5.62	108.1	5.26
	77	12.2	133.8	5.95	128.3	5.64	121.3	5.40	118.8	5.13	113.5	4.92	108.1	4.56
		15.2	134.1	5.94	128.3	5.62	121.3	5.37	118.8	5.13	113.5	4.89	108.1	4.52
		30.4	135.4	5.89	128.3	5.57	121.3	5.26	118.8	5.13	113.5	4.76	108.1	4.40
		38.0	135.9	5.74	128.3	5.45	121.3	5.26	118.8	5.00	113.5	4.76	108.1	4.40
		45.6	136.1	5.66	128.3	5.38	121.3	5.26	118.8	4.94	113.5	4.76	108.1	4.40
	86	12.2	135.9	5.40	128.3	5.03	121.3	4.67	118.8	4.56	113.5	4.30	108.1	3.91
		15.2	135.9	5.37	128.3	5.00	121.3	4.64	118.8	4.52	113.5	4.27	108.1	3.91
		30.4	135.9	5.26	128.3	4.89	121.3	4.52	118.8	4.40	113.5	4.16	108.1	3.91
		38.0	135.9	5.13	128.3	4.76	121.3	4.52	118.8	4.40	113.5	4.16	108.1	3.79
		45.6	135.9	5.07	128.3	4.70	121.3	4.52	118.8	4.40	113.5	4.16	108.1	3.73
	95	12.2	135.9	4.92	128.3	4.56	121.3	4.19	118.8	4.06	113.5	3.82	108.1	3.57
		15.2	135.9	4.89	128.3	4.52	121.3	4.16	118.8	4.03	113.5	3.79	108.1	3.54
		30.4	135.9	4.76	128.3	4.40	121.3	4.03	118.8	3.91	113.5	3.67	108.1	3.42
		38.0	135.9	4.64	128.3	4.27	121.3	3.91	118.8	3.79	113.5	3.67	108.1	3.42
		45.6	135.9	4.57	128.3	4.21	121.3	3.84	118.8	3.73	113.5	3.67	108.1	3.42
	104	12.2	135.9	4.59	128.3	4.19	121.3	3.70	118.8	3.57	113.5	3.46	108.1	3.20
		15.2	135.9	4.52	128.3	4.16	121.3	3.67	118.8	3.54	113.5	3.42	108.1	3.17
		30.4	135.9	4.27	128.3	4.03	121.3	3.54	118.8	3.42	113.5	3.30	108.1	3.06
		38.0	135.9	4.27	128.3	4.03	121.3	3.54	118.8	3.42	113.5	3.30	108.1	3.06
		45.6	135.9	4.27	128.3	4.03	121.3	3.54	118.8	3.42	113.5	3.30	108.1	3.06
	113	12.2	135.9	4.25	128.3	3.82	121.3	3.20	118.8	3.09	113.5	3.09	108.1	2.83
		15.2	135.9	4.16	128.3	3.79	121.3	3.17	118.8	3.06	113.5	3.06	108.1	2.81
		30.4	135.9	3.79	128.3	3.67	121.3	3.06	118.8	2.93	113.5	2.93	108.1	2.69
		38.0	135.9	3.91	128.3	3.79	121.3	3.17	118.8	3.06	113.5	2.93	108.1	2.69
		45.6	135.9	3.96	128.3	3.86	121.3	3.23	118.8	3.12	113.5	2.93	108.1	2.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	12.2	48.5	5.14	45.4	4.95	43.0	4.74	42.5	4.58	42.2	4.37	41.4	4.02
		15.2	50.1	5.26	47.0	5.06	44.5	4.84	44.0	4.68	43.7	4.46	42.8	4.11
		30.4	56.6	5.71	53.1	5.48	50.2	5.24	49.7	5.07	49.5	4.84	48.5	4.45
		38.0	62.7	6.15	58.6	5.91	55.5	5.66	54.9	5.47	54.6	5.22	53.5	4.80
		45.6	65.7	6.38	61.4	6.13	58.2	5.87	57.5	5.68	57.2	5.41	56.0	4.98
	32	12.2	86.5	7.55	79.8	7.24	74.3	6.94	72.9	6.70	71.9	6.39	69.2	5.89
		15.2	87.0	7.57	80.2	7.27	74.7	6.96	73.3	6.72	72.3	6.41	69.6	5.90
		30.4	89.2	7.66	82.1	7.36	76.5	7.04	75.1	6.80	74.1	6.48	71.2	5.97
		38.0	90.4	7.66	83.4	7.36	77.7	7.04	76.2	6.80	75.2	6.48	72.3	5.97
		45.6	91.1	7.66	84.0	7.36	78.4	7.04	76.8	6.80	75.8	6.48	72.9	5.97
	41	12.2	119.7	8.21	112.9	7.90	108.0	7.54	105.6	7.29	101.1	6.95	96.1	6.40
		15.2	119.9	8.25	113.1	7.94	108.0	7.58	105.6	7.33	101.1	6.99	96.1	6.43
		30.4	120.9	8.43	114.0	8.09	108.1	7.75	105.6	7.48	101.1	7.13	96.1	6.57
		38.0	120.9	8.48	113.9	8.15	108.1	7.80	105.6	7.53	101.1	7.18	96.1	6.61
		45.6	120.9	8.51	113.8	8.18	108.1	7.82	105.6	7.56	101.1	7.20	96.1	6.63
	50	12.2	120.3	7.55	113.4	7.21	108.0	6.85	105.6	6.66	101.1	6.30	96.1	5.84
		15.2	120.4	7.54	113.5	7.20	108.0	6.85	105.6	6.66	101.1	6.31	96.1	5.84
		30.4	120.9	7.51	114.0	7.17	108.1	6.86	105.6	6.67	101.1	6.32	96.1	5.85
		38.0	120.9	7.48	113.9	7.19	108.1	6.89	105.6	6.63	101.1	6.28	96.1	5.81
		45.6	120.9	7.47	113.8	7.20	108.1	6.90	105.6	6.62	101.1	6.26	96.1	5.79
	59	12.2	120.9	6.90	113.9	6.53	108.1	6.13	105.6	6.02	101.1	5.66	96.1	5.29
		15.2	120.9	6.84	113.9	6.47	108.1	6.10	105.6	5.99	101.1	5.62	96.1	5.26
		30.4	120.9	6.60	113.9	6.23	108.1	5.99	105.6	5.86	101.1	5.50	96.1	5.13
		38.0	120.9	6.47	113.9	6.23	108.1	5.99	105.6	5.74	101.1	5.37	96.1	5.00
		45.6	120.9	6.41	113.9	6.23	108.1	5.99	105.6	5.67	101.1	5.31	96.1	4.94
	68	12.2	120.9	5.77	113.9	5.53	108.1	5.26	105.6	5.16	101.1	4.92	96.1	4.56
		15.2	120.9	5.74	113.9	5.50	108.1	5.26	105.6	5.13	101.1	4.89	96.1	4.52
		30.4	120.9	5.62	113.9	5.37	108.1	5.26	105.6	5.00	101.1	4.76	96.1	4.40
		38.0	120.9	5.50	113.9	5.26	108.1	5.13	105.6	5.00	101.1	4.64	96.1	4.40
		45.6	120.9	5.43	113.9	5.20	108.1	5.07	105.6	5.00	101.1	4.57	96.1	4.40
	77	12.2	120.9	5.16	113.9	4.80	108.1	4.52	105.6	4.43	101.1	4.19	96.1	3.93
		15.2	120.9	5.13	113.9	4.76	108.1	4.52	105.6	4.40	101.1	4.16	96.1	3.91
		30.4	120.9	5.00	113.9	4.64	108.1	4.52	105.6	4.27	101.1	4.03	96.1	3.79
		38.0	120.9	4.89	113.9	4.64	108.1	4.40	105.6	4.27	101.1	4.03	96.1	3.79
		45.6	120.9	4.83	113.9	4.64	108.1	4.33	105.6	4.27	101.1	4.03	96.1	3.79
	86	12.2	120.9	4.56	113.9	4.30	108.1	4.06	105.6	3.93	101.1	3.70	96.1	3.46
		15.2	120.9	4.52	113.9	4.27	108.1	4.03	105.6	3.91	101.1	3.67	96.1	3.42
		30.4	120.9	4.40	113.9	4.16	108.1	3.91	105.6	3.79	101.1	3.54	96.1	3.30
		38.0	120.9	4.40	113.9	4.16	108.1	3.91	105.6	3.79	101.1	3.54	96.1	3.30
		45.6	120.9	4.40	113.9	4.16	108.1	3.91	105.6	3.79	101.1	3.54	96.1	3.30
	95	12.2	120.9	4.19	113.9	3.93	108.1	3.57	105.6	3.42	101.1	3.33	96.1	3.06
		15.2	120.9	4.16	113.9	3.91	108.1	3.54	105.6	3.42	101.1	3.30	96.1	3.06
		30.4	120.9	4.03	113.9	3.79	108.1	3.42	105.6	3.42	101.1	3.17	96.1	3.06
		38.0	120.9	4.03	113.9	3.67	108.1	3.42	105.6	3.30	101.1	3.17	96.1	2.93
		45.6	120.9	4.03	113.9	3.60	108.1	3.42	105.6	3.23	101.1	3.17	96.1	2.87
	104	12.2	120.9	3.97	113.9	3.57	108.1	3.17	105.6	3.20	101.1	2.93	96.1	2.83
		15.2	120.9	3.91	113.9	3.54	108.1	3.17	105.6	3.17	101.1	2.93	96.1	2.81
		30.4	120.9	3.67	113.9	3.42	108.1	3.17	105.6	3.06	101.1	2.93	96.1	2.69
		38.0	120.9	3.67	113.9	3.42	108.1	3.06	105.6	3.06	101.1	2.93	96.1	2.69
		45.6	120.9	3.67	113.9	3.42	108.1	3.00	105.6	3.06	101.1	2.93	96.1	2.69
	113	12.2	120.9	3.76	113.9	3.20	108.1	2.77	105.6	2.99	101.1	2.53	96.1	2.63
		15.2	120.9	3.67	113.9	3.17	108.1	2.81	105.6	2.93	101.1	2.57	96.1	2.57
		30.4	120.9	3.30	113.9	3.06	108.1	2.93	105.6	2.69	101.1	2.69	96.1	2.33
		38.0	120.9	3.30	113.9	3.17	108.1	2.69	105.6	2.81	101.1	2.69	96.1	2.44
		45.6	120.9	3.30	113.9	3.23	108.1	2.57	105.6	2.86	101.1	2.69	96.1	2.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	12.2	42.2	4.42	39.7	4.20	37.5	4.07	37.2	3.83	36.9	3.70	36.3	3.36
		15.2	43.7	4.51	41.1	4.30	38.8	4.16	38.4	3.92	38.2	3.78	37.5	3.44
		30.4	49.5	4.89	46.5	4.66	43.8	4.51	43.5	4.25	43.2	4.09	42.4	3.73
		38.0	54.8	5.28	51.4	5.03	48.5	4.87	48.1	4.57	47.7	4.42	46.8	4.02
		45.6	57.4	5.48	53.8	5.21	50.8	5.04	50.4	4.74	50.0	4.59	49.1	4.17
	32	12.2	75.7	6.46	69.9	6.16	64.9	5.96	63.8	5.61	62.8	5.42	60.6	4.93
		15.2	76.1	6.48	70.3	6.18	65.3	5.98	64.2	5.62	63.2	5.43	60.9	4.94
		30.4	77.9	6.56	72.0	6.24	66.8	6.05	65.7	5.69	64.7	5.50	62.3	4.99
		38.0	79.0	6.56	73.1	6.24	67.8	6.05	66.7	5.69	65.7	5.50	63.3	4.99
		45.6	79.6	6.56	73.7	6.24	68.3	6.05	67.2	5.69	66.2	5.50	63.8	4.99
	41	12.2	104.5	7.04	99.0	6.70	94.3	6.49	92.3	6.11	88.2	5.90	84.0	5.36
		15.2	104.7	7.08	99.2	6.74	94.3	6.52	92.3	6.14	88.2	5.93	84.0	5.38
		30.4	105.6	7.22	100.0	6.88	94.4	6.66	92.3	6.26	88.2	6.05	84.0	5.50
		38.0	105.6	7.27	99.8	6.93	94.4	6.71	92.3	6.31	88.2	6.09	84.0	5.54
		45.6	105.6	7.29	99.8	6.95	94.4	6.74	92.3	6.33	88.2	6.11	84.0	5.55
	50	12.2	105.0	6.48	99.4	6.13	94.4	5.90	92.3	5.57	88.2	5.35	84.0	4.89
		15.2	105.1	6.47	99.5	6.12	94.4	5.89	92.3	5.57	88.2	5.35	84.0	4.89
		30.4	105.6	6.42	99.8	6.07	94.4	5.84	92.3	5.57	88.2	5.35	84.0	4.89
		38.0	105.6	6.45	99.8	6.09	94.4	5.86	92.3	5.60	88.2	5.31	84.0	4.90
		45.6	105.6	6.46	99.8	6.10	94.4	5.88	92.3	5.61	88.2	5.29	84.0	4.91
	59	12.2	105.6	5.92	99.8	5.56	94.4	5.32	92.3	5.03	88.2	4.80	84.0	4.43
		15.2	105.6	5.86	99.8	5.50	94.4	5.26	92.3	5.00	88.2	4.76	84.0	4.40
		30.4	105.6	5.62	99.8	5.26	94.4	5.00	92.3	4.89	88.2	4.64	84.0	4.27
		38.0	105.6	5.62	99.8	5.26	94.4	5.00	92.3	4.89	88.2	4.52	84.0	4.27
		45.6	105.6	5.62	99.8	5.26	94.4	5.00	92.3	4.89	88.2	4.47	84.0	4.27
	68	12.2	105.6	4.92	99.8	4.67	94.4	4.56	92.3	4.43	88.2	4.19	84.0	3.93
		15.2	105.6	4.89	99.8	4.64	94.4	4.52	92.3	4.40	88.2	4.16	84.0	3.91
		30.4	105.6	4.76	99.8	4.52	94.4	4.40	92.3	4.27	88.2	4.03	84.0	3.79
		38.0	105.6	4.76	99.8	4.52	94.4	4.40	92.3	4.16	88.2	4.03	84.0	3.67
		45.6	105.6	4.76	99.8	4.52	94.4	4.40	92.3	4.10	88.2	4.03	84.0	3.60
	77	12.2	105.6	4.43	99.8	4.19	94.4	3.93	92.3	3.82	88.2	3.54	84.0	3.30
		15.2	105.6	4.40	99.8	4.16	94.4	3.91	92.3	3.79	88.2	3.54	84.0	3.30
		30.4	105.6	4.27	99.8	4.03	94.4	3.79	92.3	3.67	88.2	3.54	84.0	3.30
		38.0	105.6	4.16	99.8	3.91	94.4	3.79	92.3	3.67	88.2	3.42	84.0	3.30
		45.6	105.6	4.10	99.8	3.84	94.4	3.79	92.3	3.67	88.2	3.37	84.0	3.30
	86	12.2	105.6	3.93	99.8	3.70	94.4	3.46	92.3	3.30	88.2	3.20	84.0	2.93
		15.2	105.6	3.91	99.8	3.67	94.4	3.42	92.3	3.30	88.2	3.17	84.0	2.93
		30.4	105.6	3.79	99.8	3.54	94.4	3.30	92.3	3.30	88.2	3.06	84.0	2.93
		38.0	105.6	3.79	99.8	3.54	94.4	3.30	92.3	3.17	88.2	3.06	84.0	2.93
		45.6	105.6	3.79	99.8	3.54	94.4	3.30	92.3	3.11	88.2	3.06	84.0	2.93
	95	12.2	105.6	3.57	99.8	3.33	94.4	3.06	92.3	3.09	88.2	2.81	84.0	2.72
		15.2	105.6	3.54	99.8	3.30	94.4	3.06	92.3	3.06	88.2	2.81	84.0	2.69
		30.4	105.6	3.42	99.8	3.17	94.4	3.06	92.3	2.93	88.2	2.81	84.0	2.57
		38.0	105.6	3.42	99.8	3.17	94.4	2.93	92.3	2.93	88.2	2.81	84.0	2.57
		45.6	105.6	3.42	99.8	3.17	94.4	2.87	92.3	2.93	88.2	2.81	84.0	2.57
	104	12.2	105.6	3.33	99.8	3.09	94.4	2.83	92.3	2.69	88.2	2.57	84.0	2.47
		15.2	105.6	3.30	99.8	3.06	94.4	2.81	92.3	2.69	88.2	2.57	84.0	2.44
		30.4	105.6	3.17	99.8	2.93	94.4	2.69	92.3	2.69	88.2	2.57	84.0	2.33
		38.0	105.6	3.17	99.8	2.93	94.4	2.69	92.3	2.57	88.2	2.44	84.0	2.33
		45.6	105.6	3.17	99.8	2.93	94.4	2.69	92.3	2.50	88.2	2.38	84.0	2.33
	113	12.2	105.6	3.09	99.8	2.83	94.4	2.63	92.3	2.30	88.2	2.33	84.0	2.23
		15.2	105.6	3.06	99.8	2.81	94.4	2.57	92.3	2.33	88.2	2.33	84.0	2.20
		30.4	105.6	2.93	99.8	2.69	94.4	2.33	92.3	2.44	88.2	2.33	84.0	2.07
		38.0	105.6	2.93	99.8	2.69	94.4	2.44	92.3	2.20	88.2	2.07	84.0	2.07
		45.6	105.6	2.93	99.8	2.69	94.4	2.50	92.3	2.08	88.2	1.95	84.0	2.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	12.2	36.3	3.59	34.0	3.45	32.2	3.31	31.8	3.08	31.7	3.03	31.1	2.71
		15.2	37.5	3.67	35.2	3.53	33.3	3.39	32.9	3.15	32.8	3.10	32.1	2.77
		30.4	42.6	3.98	39.8	3.83	37.7	3.68	37.3	3.41	37.2	3.36	36.4	3.01
		38.0	47.0	4.28	44.0	4.13	41.7	3.97	41.2	3.69	41.1	3.63	40.2	3.24
		45.6	49.2	4.44	46.0	4.29	43.7	4.11	43.2	3.83	43.0	3.76	42.1	3.35
	32	12.2	64.9	5.25	59.8	5.07	55.8	4.85	54.7	4.51	53.9	4.45	52.0	3.97
		15.2	65.3	5.27	60.2	5.08	56.1	4.87	55.0	4.52	54.3	4.46	52.2	3.98
		30.4	66.8	5.33	61.5	5.13	57.5	4.93	56.3	4.57	55.5	4.51	53.4	4.02
		38.0	67.8	5.33	62.5	5.13	58.4	4.93	57.1	4.57	56.4	4.51	54.3	4.02
		45.6	68.3	5.33	63.0	5.13	58.8	4.93	57.6	4.57	56.8	4.51	54.7	4.02
	41	12.2	89.7	5.72	84.6	5.51	81.1	5.28	79.1	4.92	75.7	4.84	72.1	4.31
		15.2	89.9	5.75	84.8	5.54	81.1	5.31	79.1	4.94	75.7	4.87	72.1	4.33
		30.4	90.7	5.86	85.4	5.65	81.1	5.42	79.1	5.04	75.7	4.97	72.1	4.42
		38.0	90.7	5.91	85.3	5.69	81.1	5.46	79.1	5.08	75.7	4.99	72.1	4.46
		45.6	90.7	5.94	85.2	5.71	81.1	5.48	79.1	5.10	75.7	5.00	72.1	4.48
	50	12.2	90.2	5.26	84.9	5.03	81.1	4.79	79.1	4.47	75.7	4.39	72.1	3.93
		15.2	90.3	5.26	85.0	5.03	81.1	4.79	79.1	4.49	75.7	4.39	72.1	3.94
		30.4	90.7	5.26	85.4	5.03	81.1	4.79	79.1	4.54	75.7	4.37	72.1	3.98
		38.0	90.7	5.27	85.3	4.98	81.1	4.74	79.1	4.49	75.7	4.33	72.1	3.94
		45.6	90.7	5.28	85.2	4.95	81.1	4.71	79.1	4.46	75.7	4.32	72.1	3.92
	59	12.2	90.7	4.80	85.3	4.56	81.1	4.30	79.1	4.03	75.7	3.93	72.1	3.54
		15.2	90.7	4.76	85.3	4.52	81.1	4.27	79.1	4.03	75.7	3.91	72.1	3.54
		30.4	90.7	4.64	85.3	4.40	81.1	4.16	79.1	4.03	75.7	3.79	72.1	3.54
		38.0	90.7	4.64	85.3	4.27	81.1	4.03	79.1	3.91	75.7	3.67	72.1	3.42
		45.6	90.7	4.64	85.3	4.21	81.1	3.97	79.1	3.84	75.7	3.60	72.1	3.37
	68	12.2	90.7	4.19	85.3	3.93	81.1	3.70	79.1	3.57	75.7	3.46	72.1	3.20
		15.2	90.7	4.16	85.3	3.91	81.1	3.67	79.1	3.54	75.7	3.42	72.1	3.17
		30.4	90.7	4.03	85.3	3.79	81.1	3.54	79.1	3.42	75.7	3.30	72.1	3.06
		38.0	90.7	4.03	85.3	3.79	81.1	3.54	79.1	3.42	75.7	3.30	72.1	3.06
		45.6	90.7	4.03	85.3	3.79	81.1	3.54	79.1	3.42	75.7	3.30	72.1	3.06
	77	12.2	90.7	3.70	85.3	3.46	81.1	3.17	79.1	3.20	75.7	2.93	72.1	2.83
		15.2	90.7	3.67	85.3	3.42	81.1	3.17	79.1	3.17	75.7	2.93	72.1	2.81
		30.4	90.7	3.54	85.3	3.30	81.1	3.17	79.1	3.06	75.7	2.93	72.1	2.69
		38.0	90.7	3.54	85.3	3.30	81.1	3.06	79.1	3.06	75.7	2.93	72.1	2.69
		45.6	90.7	3.54	85.3	3.30	81.1	3.00	79.1	3.06	75.7	2.93	72.1	2.69
	86	12.2	90.7	3.33	85.3	3.09	81.1	2.96	79.1	2.83	75.7	2.72	72.1	2.60
		15.2	90.7	3.30	85.3	3.06	81.1	2.93	79.1	2.81	75.7	2.69	72.1	2.57
		30.4	90.7	3.17	85.3	2.93	81.1	2.81	79.1	2.69	75.7	2.57	72.1	2.44
		38.0	90.7	3.17	85.3	2.93	81.1	2.81	79.1	2.69	75.7	2.57	72.1	2.44
		45.6	90.7	3.17	85.3	2.93	81.1	2.81	79.1	2.69	75.7	2.57	72.1	2.44
	95	12.2	90.7	2.93	85.3	2.83	81.1	2.57	79.1	2.60	75.7	2.47	72.1	2.36
		15.2	90.7	2.93	85.3	2.81	81.1	2.57	79.1	2.57	75.7	2.44	72.1	2.33
		30.4	90.7	2.93	85.3	2.69	81.1	2.57	79.1	2.44	75.7	2.33	72.1	2.20
		38.0	90.7	2.93	85.3	2.69	81.1	2.44	79.1	2.44	75.7	2.33	72.1	2.20
		45.6	90.7	2.93	85.3	2.69	81.1	2.38	79.1	2.44	75.7	2.33	72.1	2.20
	104	12.2	90.7	2.69	85.3	2.60	81.1	2.33	79.1	2.36	75.7	2.23	72.1	2.07
		15.2	90.7	2.69	85.3	2.57	81.1	2.33	79.1	2.33	75.7	2.20	72.1	2.07
		30.4	90.7	2.69	85.3	2.44	81.1	2.33	79.1	2.20	75.7	2.07	72.1	2.07
		38.0	90.7	2.69	85.3	2.44	81.1	2.33	79.1	2.20	75.7	2.07	72.1	2.07
		45.6	90.7	2.69	85.3	2.44	81.1	2.33	79.1	2.20	75.7	2.07	72.1	2.07
	113	12.2	90.7	2.44	85.3	2.36	81.1	2.07	79.1	2.10	75.7	1.99	72.1	1.80
		15.2	90.7	2.44	85.3	2.33	81.1	2.07	79.1	2.07	75.7	1.96	72.1	1.83
		30.4	90.7	2.44	85.3	2.20	81.1	2.07	79.1	1.96	75.7	1.83	72.1	1.96
		38.0	90.7	2.44	85.3	2.20	81.1	2.20	79.1	1.96	75.7	1.83	72.1	1.96
		45.6	90.7	2.44	85.3	2.20	81.1	2.26	79.1	1.96	75.7	1.83	72.1	1.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121BAS4, ARWB121BAS4

121,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	12.2	30.3	2.86	28.4	2.71	26.8	2.56	26.5	2.42	26.3	2.27	25.9	2.15
		15.2	31.3	2.92	29.4	2.77	27.8	2.62	27.4	2.48	27.3	2.33	26.7	2.20
		30.4	35.3	3.16	33.2	3.01	31.4	2.83	31.0	2.69	30.9	2.53	30.3	2.38
		38.0	39.1	3.41	36.7	3.24	34.7	3.06	34.3	2.91	34.0	2.72	33.5	2.57
		45.6	41.0	3.54	38.4	3.35	36.3	3.17	35.9	3.01	35.6	2.81	35.2	2.66
	32	12.2	53.9	4.19	49.9	3.97	46.4	3.74	45.4	3.55	44.8	3.34	43.2	3.15
		15.2	54.3	4.20	50.2	3.98	46.7	3.75	45.7	3.56	45.1	3.35	43.5	3.16
		30.4	55.5	4.23	51.4	4.02	47.8	3.80	46.8	3.61	46.2	3.39	44.5	3.20
		38.0	56.4	4.23	52.1	4.02	48.5	3.80	47.6	3.61	46.8	3.39	45.2	3.20
		45.6	56.8	4.23	52.5	4.02	48.8	3.80	48.0	3.61	47.2	3.39	45.6	3.20
	41	12.2	74.6	4.55	70.7	4.31	67.4	4.07	65.8	3.87	62.9	3.64	60.0	3.42
		15.2	74.7	4.57	70.8	4.33	67.4	4.09	65.8	3.89	62.9	3.65	60.0	3.44
		30.4	75.3	4.66	71.3	4.42	67.6	4.18	65.8	3.97	62.9	3.72	60.0	3.51
		38.0	75.3	4.70	71.2	4.46	67.6	4.21	65.8	3.99	62.9	3.75	60.0	3.54
		45.6	75.3	4.72	71.1	4.48	67.6	4.22	65.8	4.01	62.9	3.77	60.0	3.55
	50	12.2	75.0	4.19	70.9	3.95	67.4	3.71	65.8	3.55	62.9	3.28	60.0	3.13
		15.2	75.1	4.18	71.0	3.94	67.4	3.70	65.8	3.54	62.9	3.29	60.0	3.12
		30.4	75.3	4.16	71.3	3.93	67.6	3.68	65.8	3.51	62.9	3.32	60.0	3.10
		38.0	75.3	4.18	71.2	3.94	67.6	3.69	65.8	3.53	62.9	3.27	60.0	3.11
		45.6	75.3	4.20	71.1	3.95	67.6	3.70	65.8	3.53	62.9	3.25	60.0	3.12
	59	12.2	75.3	3.82	71.2	3.57	67.6	3.33	65.8	3.20	62.9	2.93	60.0	2.83
		15.2	75.3	3.79	71.2	3.54	67.6	3.30	65.8	3.17	62.9	2.93	60.0	2.81
		30.4	75.3	3.67	71.2	3.42	67.6	3.17	65.8	3.06	62.9	2.93	60.0	2.69
		38.0	75.3	3.67	71.2	3.42	67.6	3.17	65.8	3.06	62.9	2.81	60.0	2.69
		45.6	75.3	3.67	71.2	3.42	67.6	3.17	65.8	3.06	62.9	2.74	60.0	2.69
	68	12.2	75.3	3.33	71.2	3.09	67.6	2.96	65.8	2.83	62.9	2.72	60.0	2.44
		15.2	75.3	3.30	71.2	3.06	67.6	2.93	65.8	2.81	62.9	2.69	60.0	2.44
		30.4	75.3	3.17	71.2	2.93	67.6	2.81	65.8	2.69	62.9	2.57	60.0	2.44
		38.0	75.3	3.17	71.2	2.93	67.6	2.81	65.8	2.69	62.9	2.57	60.0	2.44
		45.6	75.3	3.17	71.2	2.93	67.6	2.81	65.8	2.69	62.9	2.57	60.0	2.44
	77	12.2	75.3	2.96	71.2	2.69	67.6	2.60	65.8	2.44	62.9	2.33	60.0	2.20
		15.2	75.3	2.93	71.2	2.69	67.6	2.57	65.8	2.44	62.9	2.33	60.0	2.20
		30.4	75.3	2.81	71.2	2.69	67.6	2.44	65.8	2.44	62.9	2.33	60.0	2.20
		38.0	75.3	2.81	71.2	2.69	67.6	2.44	65.8	2.44	62.9	2.33	60.0	2.20
		45.6	75.3	2.81	71.2	2.69	67.6	2.44	65.8	2.44	62.9	2.33	60.0	2.20
	86	12.2	75.3	2.72	71.2	2.47	67.6	2.36	65.8	2.20	62.9	2.23	60.0	2.10
		15.2	75.3	2.69	71.2	2.44	67.6	2.33	65.8	2.20	62.9	2.20	60.0	2.07
		30.4	75.3	2.57	71.2	2.33	67.6	2.20	65.8	2.20	62.9	2.07	60.0	1.96
		38.0	75.3	2.57	71.2	2.33	67.6	2.20	65.8	2.20	62.9	2.07	60.0	1.96
		45.6	75.3	2.57	71.2	2.33	67.6	2.20	65.8	2.20	62.9	2.07	60.0	1.96
	95	12.2	75.3	2.47	71.2	2.20	67.6	2.07	65.8	2.10	62.9	1.96	60.0	1.83
		15.2	75.3	2.44	71.2	2.20	67.6	2.07	65.8	2.07	62.9	1.96	60.0	1.83
		30.4	75.3	2.33	71.2	2.20	67.6	2.07	65.8	1.96	62.9	1.96	60.0	1.83
		38.0	75.3	2.33	71.2	2.20	67.6	2.07	65.8	1.96	62.9	1.96	60.0	1.83
		45.6	75.3	2.33	71.2	2.20	67.6	2.07	65.8	1.96	62.9	1.96	60.0	1.83
	104	12.2	75.3	2.23	71.2	2.10	67.6	1.99	65.8	1.83	62.9	1.86	60.0	1.71
		15.2	75.3	2.20	71.2	2.07	67.6	1.96	65.8	1.83	62.9	1.83	60.0	1.71
		30.4	75.3	2.07	71.2	1.96	67.6	1.83	65.8	1.83	62.9	1.71	60.0	1.71
		38.0	75.3	2.07	71.2	1.96	67.6	1.83	65.8	1.83	62.9	1.71	60.0	1.71
		45.6	75.3	2.07	71.2	1.96	67.6	1.83	65.8	1.83	62.9	1.71	60.0	1.71
	113	12.2	75.3	1.99	71.2	2.02	67.6	1.89	65.8	1.56	62.9	1.77	60.0	1.59
		15.2	75.3	1.96	71.2	1.96	67.6	1.83	65.8	1.59	62.9	1.71	60.0	1.59
		30.4	75.3	1.83	71.2	1.71	67.6	1.59	65.8	1.71	62.9	1.47	60.0	1.59
		38.0	75.3	1.83	71.2	1.71	67.6	1.59	65.8	1.71	62.9	1.47	60.0	1.59
		45.6	75.3	1.83	71.2	1.71	67.6	1.59	65.8	1.71	62.9	1.47	60.0	1.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	14.2	76.6	9.56	76.1	9.00	75.6	8.38	74.6	8.13	75.5	7.92	73.4	7.10
		17.8	79.3	9.73	78.7	9.18	78.2	8.56	77.2	8.31	78.1	8.09	76.0	7.26
		35.5	89.7	10.39	88.9	9.87	88.5	9.29	87.3	9.02	88.3	8.77	86.0	7.87
		44.4	99.2	11.05	98.3	10.55	97.7	10.01	96.4	9.74	97.7	9.46	95.1	8.48
		53.3	103.9	11.38	103.0	10.89	102.3	10.38	101.1	10.11	102.4	9.81	99.6	8.79
	32	14.2	136.9	13.08	133.8	12.69	130.9	12.27	128.1	11.93	128.5	11.60	122.7	10.39
		17.8	137.7	13.11	134.6	12.72	131.7	12.31	128.8	11.96	129.3	11.63	123.4	10.42
		35.5	141.1	13.25	137.6	12.84	134.7	12.45	131.9	12.11	132.3	11.76	126.4	10.55
		44.4	143.2	13.25	139.7	12.84	136.8	12.45	133.8	12.11	134.3	11.76	128.2	10.55
		53.3	144.2	13.25	140.8	12.84	137.9	12.45	134.8	12.11	135.3	11.76	129.2	10.55
	41	14.2	197.2	14.06	194.2	13.71	190.1	13.36	185.4	12.98	180.4	12.62	170.4	11.31
		17.8	197.9	14.12	194.6	13.77	190.2	13.43	185.4	13.05	180.4	12.69	170.4	11.37
		35.5	200.6	14.37	195.9	14.03	190.3	13.70	185.4	13.32	180.4	12.94	170.4	11.60
		44.4	201.8	14.47	196.5	14.12	190.3	13.79	185.4	13.41	180.4	13.03	170.4	11.68
		53.3	202.4	14.51	196.8	14.17	190.3	13.84	185.4	13.46	180.4	13.08	170.4	11.72
	50	14.2	197.4	12.79	194.2	12.36	189.6	12.13	184.6	11.86	179.7	11.45	169.8	10.33
		17.8	198.6	12.77	195.2	12.37	190.3	12.15	185.4	11.85	180.4	11.44	170.4	10.33
		35.5	203.3	12.67	198.8	12.42	193.3	12.25	188.4	11.84	183.1	11.41	173.2	10.29
		44.4	204.3	12.84	200.1	12.59	194.6	12.29	189.3	11.88	184.3	11.60	174.2	10.78
		53.3	204.9	12.93	200.8	12.68	195.2	12.32	189.7	11.91	184.9	11.70	174.7	11.03
	59	14.2	197.7	11.53	194.3	11.04	188.8	10.92	183.8	10.74	179.0	10.28	169.1	9.37
		17.8	199.4	11.41	195.8	10.99	190.3	10.89	185.4	10.66	180.4	10.20	170.4	9.29
		35.5	205.9	10.96	201.6	10.80	196.4	10.80	191.4	10.34	185.8	9.89	175.9	8.97
		44.4	206.9	11.22	203.6	11.05	198.8	10.80	193.3	10.34	188.4	10.17	178.0	9.89
		53.3	207.4	11.36	204.6	11.18	200.0	10.80	194.3	10.34	189.7	10.31	179.0	10.35
	68	14.2	205.3	10.58	201.5	10.08	196.2	9.86	190.8	9.55	185.2	9.33	174.2	9.05
		17.8	206.9	10.50	203.1	10.07	197.7	9.85	192.3	9.59	186.9	9.40	175.9	8.97
		35.5	213.4	10.20	209.6	10.04	203.7	9.82	198.3	9.74	193.3	9.65	182.3	8.67
		44.4	214.3	10.20	211.1	10.04	206.2	9.89	200.3	9.74	194.9	9.65	183.9	9.22
		53.3	214.7	10.20	211.9	10.04	207.4	9.92	201.3	9.74	195.6	9.65	184.6	9.50
	77	14.2	216.7	10.08	211.1	9.79	206.2	9.63	202.2	9.46	197.7	9.33	186.4	8.71
		17.8	216.7	10.04	211.1	9.78	206.2	9.59	202.2	9.43	197.7	9.29	186.4	8.67
		35.5	216.7	9.89	211.1	9.71	206.2	9.43	202.2	9.29	197.7	9.13	186.4	8.52
		44.4	216.7	9.74	211.1	9.46	206.2	9.29	202.2	9.13	197.7	8.97	186.4	8.37
		53.3	216.7	9.67	211.1	9.33	206.2	9.22	202.2	9.05	197.7	8.89	186.4	8.30
	86	14.2	216.7	9.82	211.1	9.33	206.2	9.25	202.2	9.01	197.7	8.91	186.4	8.29
		17.8	216.7	9.74	211.1	9.32	206.2	9.19	202.2	8.97	197.7	8.83	186.4	8.22
		35.5	216.7	9.43	211.1	9.26	206.2	8.97	202.2	8.83	197.7	8.52	186.4	7.92
		44.4	216.7	9.29	211.1	9.00	206.2	8.83	202.2	8.67	197.7	8.52	186.4	7.92
		53.3	216.7	9.22	211.1	8.88	206.2	8.76	202.2	8.59	197.7	8.52	186.4	7.92
	95	14.2	216.7	9.37	211.1	9.06	206.2	8.87	202.2	8.55	197.7	8.26	186.4	7.68
		17.8	216.7	9.29	211.1	9.00	206.2	8.83	202.2	8.52	197.7	8.22	186.4	7.60
		35.5	216.7	8.97	211.1	8.80	206.2	8.67	202.2	8.37	197.7	8.06	186.4	7.30
		44.4	216.7	8.97	211.1	8.70	206.2	8.52	202.2	8.22	197.7	7.92	186.4	7.30
		53.3	216.7	8.97	211.1	8.66	206.2	8.44	202.2	8.14	197.7	7.85	186.4	7.30
	104	14.2	216.7	9.05	211.1	8.76	206.2	8.59	202.2	8.29	197.7	8.00	186.4	7.22
		17.8	216.7	8.97	211.1	8.70	206.2	8.52	202.2	8.22	197.7	7.92	186.4	7.15
		35.5	216.7	8.67	211.1	8.48	206.2	8.22	202.2	7.92	197.7	7.60	186.4	6.85
		44.4	216.7	8.52	211.1	8.34	206.2	8.22	202.2	7.92	197.7	7.60	186.4	6.85
		53.3	216.7	8.44	211.1	8.27	206.2	8.22	202.2	7.92	197.7	7.60	186.4	6.85
	113	14.2	216.7	8.75	211.1	8.46	206.2	8.33	202.2	8.03	197.7	7.72	186.4	6.77
		17.8	216.7	8.67	211.1	8.41	206.2	8.22	202.2	7.92	197.7	7.60	186.4	6.69
		35.5	216.7	8.37	211.1	8.19	206.2	7.76	202.2	7.46	197.7	7.15	186.4	6.39
		44.4	216.7	8.06	211.1	7.98	206.2	7.92	202.2	7.60	197.7	7.30	186.4	6.39
		53.3	216.7	7.90	211.1	7.88	206.2	8.00	202.2	7.67	197.7	7.38	186.4	6.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Cooling Capacity

ARWN144BAS4, ARWB144BAS4
144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	14.2	72.8	9.56	72.3	9.00	71.8	8.38	71.0	8.03	71.5	7.79	69.6	6.98
		17.8	75.3	9.73	74.7	9.18	74.3	8.56	73.4	8.20	74.0	7.97	72.0	7.13
		35.5	85.3	10.39	84.5	9.87	84.1	9.29	83.0	8.89	83.8	8.64	81.5	7.74
		44.4	94.2	11.05	93.4	10.55	92.8	10.01	91.8	9.60	92.5	9.32	90.0	8.34
		53.3	98.7	11.38	97.9	10.89	97.2	10.38	96.2	9.96	96.9	9.66	94.2	8.64
	32	14.2	130.2	13.08	127.0	12.69	124.3	12.27	121.8	11.75	121.8	11.43	116.2	10.22
		17.8	131.0	13.11	127.8	12.72	125.1	12.31	122.5	11.79	122.5	11.46	116.9	10.25
		35.5	134.0	13.25	130.8	12.84	128.1	12.45	125.4	11.93	125.4	11.59	119.8	10.37
		44.4	136.1	13.25	132.9	12.84	130.1	12.45	127.3	11.93	127.2	11.59	121.6	10.37
		53.3	137.1	13.25	134.0	12.84	131.0	12.45	128.3	11.93	128.1	11.59	122.5	10.37
	41	14.2	187.7	14.06	184.9	13.71	180.8	13.36	176.5	12.79	170.9	12.44	161.5	11.14
		17.8	188.4	14.12	185.2	13.77	180.8	13.43	176.5	12.86	170.9	12.50	161.5	11.19
		35.5	191.1	14.37	186.6	14.03	180.8	13.70	176.5	13.13	170.9	12.75	161.5	11.41
		44.4	192.1	14.47	185.5	14.12	180.8	13.79	176.5	13.22	170.9	12.84	161.5	11.49
		53.3	192.7	14.51	185.0	14.17	180.8	13.84	176.5	13.27	170.9	12.89	161.5	11.53
	50	14.2	188.4	12.63	184.9	12.28	180.3	12.03	176.0	11.66	170.4	11.28	161.1	10.14
		17.8	189.3	12.67	185.7	12.33	180.8	12.07	176.5	11.68	170.9	11.27	161.5	10.15
		35.5	192.7	12.84	188.7	12.51	182.8	12.25	178.4	11.74	172.7	11.24	163.2	10.20
		44.4	193.8	12.80	188.1	12.51	183.5	12.29	179.2	11.79	173.5	11.29	164.0	10.55
		53.3	194.3	12.77	187.8	12.51	183.9	12.32	179.6	11.81	173.8	11.31	164.3	10.72
	59	14.2	188.9	11.20	185.1	10.87	179.8	10.70	175.5	10.54	170.0	10.12	160.7	9.17
		17.8	190.0	11.22	186.3	10.89	180.8	10.72	176.5	10.50	170.9	10.04	161.5	9.13
		35.5	194.4	11.32	190.8	10.99	184.9	10.80	180.4	10.34	174.4	9.74	165.0	8.97
		44.4	195.5	11.14	190.6	10.89	186.4	10.80	181.9	10.34	175.9	9.74	166.5	9.59
		53.3	196.0	11.06	190.6	10.85	187.2	10.80	182.7	10.34	176.6	9.74	167.3	9.90
	68	14.2	194.2	10.07	190.5	9.65	184.8	9.39	179.7	9.25	173.9	9.14	164.5	8.67
		17.8	195.5	10.07	191.7	9.68	185.8	9.43	180.8	9.29	175.0	9.13	165.5	8.64
		35.5	200.4	10.07	196.2	9.82	189.9	9.59	185.4	9.43	179.3	9.10	169.4	8.52
		44.4	201.3	9.98	196.1	9.74	191.4	9.59	186.4	9.43	180.4	9.13	170.4	8.83
		53.3	201.8	9.93	196.0	9.70	192.1	9.59	186.9	9.43	180.9	9.15	171.0	8.99
	77	14.2	203.6	9.53	197.7	9.08	191.4	8.91	187.3	8.71	182.3	8.55	172.4	7.96
		17.8	203.7	9.49	197.7	9.07	191.4	8.89	187.3	8.67	182.3	8.52	172.4	7.92
		35.5	204.2	9.35	197.7	9.00	191.4	8.83	187.3	8.52	182.3	8.37	172.4	7.76
		44.4	204.8	9.00	197.7	8.77	191.4	8.67	187.3	8.52	182.3	8.22	172.4	7.76
		53.3	205.1	8.83	197.7	8.65	191.4	8.59	187.3	8.52	182.3	8.14	172.4	7.76
	86	14.2	204.8	9.11	197.7	8.66	191.4	8.41	187.3	8.10	182.3	8.00	172.4	7.34
		17.8	204.8	9.04	197.7	8.61	191.4	8.37	187.3	8.06	182.3	7.92	172.4	7.30
		35.5	204.8	8.74	197.7	8.41	191.4	8.22	187.3	7.92	182.3	7.60	172.4	7.15
		44.4	204.8	8.45	197.7	8.22	191.4	8.06	187.3	7.92	182.3	7.60	172.4	7.00
		53.3	204.8	8.31	197.7	8.12	191.4	7.98	187.3	7.92	182.3	7.60	172.4	6.93
	95	14.2	204.8	8.70	197.7	8.23	191.4	8.00	187.3	7.68	182.3	7.38	172.4	6.73
		17.8	204.8	8.58	197.7	8.15	191.4	7.92	187.3	7.60	182.3	7.30	172.4	6.69
		35.5	204.8	8.09	197.7	7.85	191.4	7.60	187.3	7.30	182.3	7.00	172.4	6.55
		44.4	204.8	8.00	197.7	7.79	191.4	7.60	187.3	7.30	182.3	7.00	172.4	6.39
		53.3	204.8	7.95	197.7	7.76	191.4	7.60	187.3	7.30	182.3	7.00	172.4	6.31
	104	14.2	204.8	8.44	197.7	7.85	191.4	7.54	187.3	7.22	182.3	6.92	172.4	6.27
		17.8	204.8	8.28	197.7	7.76	191.4	7.46	187.3	7.15	182.3	6.85	172.4	6.23
		35.5	204.8	7.63	197.7	7.40	191.4	7.15	187.3	6.85	182.3	6.55	172.4	6.09
		44.4	204.8	7.54	197.7	7.30	191.4	7.15	187.3	6.85	182.3	6.55	172.4	5.93
		53.3	204.8	7.49	197.7	7.26	191.4	7.15	187.3	6.85	182.3	6.55	172.4	5.86
	113	14.2	204.8	8.18	197.7	7.47	191.4	7.08	187.3	6.77	182.3	6.47	172.4	5.81
		17.8	204.8	7.98	197.7	7.37	191.4	7.00	187.3	6.69	182.3	6.39	172.4	5.78
		35.5	204.8	7.18	197.7	6.94	191.4	6.69	187.3	6.39	182.3	6.09	172.4	5.64
		44.4	204.8	7.08	197.7	6.82	191.4	6.69	187.3	6.39	182.3	6.09	172.4	5.48
		53.3	204.8	7.04	197.7	6.75	191.4	6.69	187.3	6.39	182.3	6.09	172.4	5.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4
144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	14.2	68.9	9.69	68.5	9.00	68.0	8.38	67.3	8.03	67.5	7.79	66.0	6.98
		17.8	71.3	9.85	70.8	9.18	70.4	8.56	69.6	8.20	69.8	7.97	68.3	7.13
		35.5	80.6	10.52	80.2	9.87	79.7	9.29	78.8	8.89	78.8	8.64	77.3	7.74
		44.4	89.1	11.19	88.5	10.55	88.0	10.01	87.1	9.60	87.1	9.32	85.3	8.34
		53.3	93.3	11.53	92.6	10.89	92.2	10.38	91.3	9.96	91.3	9.66	89.3	8.64
	32	14.2	123.2	13.25	120.4	12.69	117.9	12.27	115.7	11.75	114.6	11.43	110.3	10.22
		17.8	123.9	13.29	121.2	12.72	118.6	12.31	116.3	11.79	115.3	11.46	110.9	10.25
		35.5	126.7	13.41	124.0	12.84	121.3	12.45	119.1	11.93	118.0	11.59	113.5	10.37
		44.4	128.7	13.41	126.0	12.84	123.3	12.45	120.9	11.93	119.8	11.59	115.1	10.37
		53.3	129.7	13.41	127.0	12.84	124.3	12.45	121.8	11.93	120.7	11.59	116.0	10.37
	41	14.2	179.6	14.25	175.4	13.71	171.3	13.36	167.4	12.79	160.9	12.44	153.1	11.14
		17.8	180.2	14.31	175.7	13.77	171.3	13.43	167.4	12.86	160.9	12.50	153.1	11.19
		35.5	182.6	14.56	177.1	14.03	171.5	13.70	167.4	13.13	160.9	12.75	153.1	11.41
		44.4	183.7	14.66	177.5	14.12	171.5	13.79	167.4	13.22	160.9	12.84	153.1	11.49
		53.3	184.2	14.70	177.7	14.17	171.5	13.84	167.4	13.27	160.9	12.89	153.1	11.53
	50	14.2	180.3	12.77	175.9	12.34	171.1	12.07	167.2	11.66	160.7	11.28	152.9	10.14
		17.8	181.0	12.80	176.3	12.37	171.3	12.11	167.4	11.68	160.9	11.27	153.1	10.15
		35.5	183.7	12.89	178.1	12.51	172.4	12.25	168.5	11.74	162.0	11.24	153.9	10.20
		44.4	184.8	12.89	178.9	12.51	173.0	12.22	168.8	11.71	162.3	11.29	154.3	10.31
		53.3	185.3	12.89	179.3	12.51	173.3	12.20	168.9	11.70	162.5	11.31	154.5	10.37
	59	14.2	180.8	11.30	176.1	10.99	171.0	10.80	166.9	10.54	160.4	10.12	152.7	9.17
		17.8	181.6	11.29	176.8	10.99	171.5	10.80	167.4	10.50	160.9	10.04	153.1	9.13
		35.5	184.6	11.22	179.3	10.99	173.5	10.80	169.4	10.34	163.1	9.74	154.6	8.97
		44.4	185.7	11.14	180.2	10.89	174.4	10.66	170.0	10.20	163.5	9.74	155.5	9.13
		53.3	186.2	11.11	180.7	10.85	174.8	10.59	170.3	10.13	163.7	9.74	156.0	9.21
	68	14.2	184.2	9.76	179.2	9.52	173.4	9.29	168.7	9.13	162.6	8.87	154.0	8.30
		17.8	185.2	9.78	179.8	9.52	173.9	9.29	169.4	9.13	163.1	8.83	154.6	8.28
		35.5	189.1	9.85	182.2	9.52	175.9	9.29	171.9	9.13	165.0	8.67	157.0	8.22
		44.4	190.2	9.85	183.7	9.52	176.9	9.29	172.4	8.97	165.9	8.67	157.5	8.22
		53.3	190.7	9.85	184.5	9.52	177.5	9.29	172.6	8.89	166.4	8.67	157.7	8.22
	77	14.2	190.0	8.88	184.3	8.55	176.9	8.41	173.0	8.10	167.0	7.80	158.1	7.15
		17.8	190.3	8.86	184.3	8.52	176.9	8.37	173.0	8.06	167.0	7.76	158.1	7.15
		35.5	191.8	8.80	184.3	8.37	176.9	8.22	173.0	7.92	167.0	7.60	158.1	7.15
		44.4	192.7	8.80	184.3	8.41	176.9	8.06	173.0	7.92	167.0	7.46	158.1	7.00
		53.3	193.2	8.80	184.3	8.42	176.9	7.98	173.0	7.92	167.0	7.39	158.1	6.93
	86	14.2	192.7	8.10	184.3	7.80	176.9	7.50	173.0	7.34	167.0	6.89	158.1	6.43
		17.8	192.7	8.06	184.3	7.76	176.9	7.46	173.0	7.30	167.0	6.85	158.1	6.39
		35.5	192.7	7.92	184.3	7.60	176.9	7.30	173.0	7.15	167.0	6.69	158.1	6.23
		44.4	192.7	7.85	184.3	7.46	176.9	7.15	173.0	7.00	167.0	6.69	158.1	6.23
		53.3	192.7	7.82	184.3	7.39	176.9	7.07	173.0	6.93	167.0	6.69	158.1	6.23
	95	14.2	192.7	7.68	184.3	7.18	176.9	6.89	173.0	6.59	167.0	6.27	158.1	5.81
		17.8	192.7	7.60	184.3	7.15	176.9	6.85	173.0	6.55	167.0	6.23	158.1	5.78
		35.5	192.7	7.30	184.3	7.00	176.9	6.69	173.0	6.39	167.0	6.09	158.1	5.64
		44.4	192.7	7.12	184.3	6.85	176.9	6.55	173.0	6.39	167.0	6.09	158.1	5.64
		53.3	192.7	7.02	184.3	6.77	176.9	6.48	173.0	6.39	167.0	6.09	158.1	5.64
	104	14.2	192.7	7.22	184.3	6.92	176.9	6.47	173.0	6.13	167.0	5.81	158.1	5.36
		17.8	192.7	7.15	184.3	6.85	176.9	6.39	173.0	6.09	167.0	5.78	158.1	5.32
		35.5	192.7	6.85	184.3	6.55	176.9	6.09	173.0	5.93	167.0	5.64	158.1	5.18
		44.4	192.7	6.75	184.3	6.39	176.9	6.09	173.0	5.78	167.0	5.48	158.1	5.02
		53.3	192.7	6.71	184.3	6.31	176.9	6.09	173.0	5.70	167.0	5.40	158.1	4.94
	113	14.2	192.7	6.77	184.3	6.66	176.9	6.05	173.0	5.68	167.0	5.36	158.1	4.90
		17.8	192.7	6.69	184.3	6.55	176.9	5.93	173.0	5.64	167.0	5.32	158.1	4.86
		35.5	192.7	6.39	184.3	6.09	176.9	5.48	173.0	5.48	167.0	5.18	158.1	4.72
		44.4	192.7	6.39	184.3	5.93	176.9	5.64	173.0	5.18	167.0	4.86	158.1	4.41
		53.3	192.7	6.39	184.3	5.86	176.9	5.71	173.0	5.03	167.0	4.71	158.1	4.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	14.2	65.1	9.69	64.7	9.13	64.4	8.38	63.8	8.03	63.2	7.67	62.0	6.98
		17.8	67.4	9.85	66.9	9.30	66.6	8.56	66.0	8.20	65.4	7.84	64.2	7.13
		35.5	76.3	10.52	75.8	10.00	75.3	9.29	74.6	8.89	74.0	8.52	72.8	7.74
		44.4	84.2	11.19	83.6	10.69	83.2	10.01	82.4	9.60	81.8	9.18	80.3	8.34
		53.3	88.3	11.53	87.6	11.04	87.1	10.38	86.4	9.96	85.8	9.51	84.1	8.64
	32	14.2	116.4	13.25	113.8	12.86	111.5	12.27	109.5	11.75	107.6	11.25	103.8	10.22
		17.8	117.1	13.29	114.5	12.89	112.1	12.31	110.2	11.79	108.2	11.29	104.4	10.25
		35.5	119.8	13.41	117.2	13.02	114.7	12.45	112.7	11.93	110.8	11.41	106.8	10.37
		44.4	121.6	13.41	119.1	13.02	116.5	12.45	114.4	11.93	112.4	11.41	108.5	10.37
		53.3	122.5	13.41	120.0	13.02	117.4	12.45	115.2	11.93	113.3	11.41	109.3	10.37
	41	14.2	171.8	14.25	166.1	13.90	161.8	13.36	158.5	12.79	151.0	12.25	144.1	11.14
		17.8	172.4	14.31	166.4	13.96	161.8	13.43	158.5	12.86	151.0	12.31	144.1	11.19
		35.5	174.8	14.56	167.6	14.21	162.0	13.70	158.5	13.13	151.0	12.56	144.1	11.41
		44.4	175.9	14.66	168.0	14.31	162.0	13.79	158.5	13.22	151.0	12.64	144.1	11.49
		53.3	176.4	14.70	168.3	14.36	162.0	13.84	158.5	13.27	151.0	12.68	144.1	11.53
	50	14.2	172.7	12.74	166.6	12.46	162.0	12.07	158.5	11.66	151.0	11.09	144.1	10.14
		17.8	173.2	12.80	166.8	12.50	162.0	12.11	158.5	11.68	151.0	11.10	144.1	10.15
		35.5	174.8	13.03	167.7	12.66	162.0	12.25	158.5	11.74	151.0	11.14	144.1	10.20
		44.4	176.0	12.99	168.5	12.66	162.0	12.22	158.5	11.71	151.0	11.11	144.1	10.15
		53.3	176.6	12.96	168.9	12.66	162.0	12.20	158.5	11.70	151.0	11.10	144.1	10.13
	59	14.2	173.7	11.23	167.3	11.04	162.0	10.80	158.5	10.54	151.0	9.92	144.1	9.17
		17.8	173.9	11.29	167.4	11.05	162.0	10.80	158.5	10.50	151.0	9.89	144.1	9.13
		35.5	174.8	11.51	167.9	11.08	162.0	10.80	158.5	10.34	151.0	9.74	144.1	8.97
		44.4	176.3	11.32	168.8	10.99	162.0	10.66	158.5	10.20	151.0	9.59	144.1	8.83
		53.3	177.1	11.22	169.2	10.94	162.0	10.59	158.5	10.13	151.0	9.51	144.1	8.76
	68	14.2	174.6	9.61	168.2	9.36	162.0	9.13	158.5	9.01	151.0	8.41	144.1	8.00
		17.8	175.3	9.65	168.3	9.37	162.0	9.13	158.5	8.97	151.0	8.37	144.1	7.92
		35.5	177.8	9.82	168.8	9.40	162.0	9.13	158.5	8.83	151.0	8.22	144.1	7.60
		44.4	178.9	9.65	170.3	9.32	162.0	8.97	158.5	8.67	151.0	8.06	144.1	7.46
		53.3	179.4	9.56	171.0	9.28	162.0	8.89	158.5	8.59	151.0	7.98	144.1	7.39
	77	14.2	176.7	8.40	170.9	8.13	162.0	7.80	158.5	7.50	151.0	7.04	144.1	6.39
		17.8	177.4	8.41	170.9	8.09	162.0	7.76	158.5	7.46	151.0	7.00	144.1	6.39
		35.5	179.9	8.44	170.9	7.92	162.0	7.60	158.5	7.30	151.0	6.85	144.1	6.39
		44.4	180.8	8.25	170.9	7.85	162.0	7.46	158.5	7.15	151.0	6.85	144.1	6.23
		53.3	181.3	8.15	170.9	7.82	162.0	7.39	158.5	7.07	151.0	6.85	144.1	6.15
	86	14.2	180.8	7.64	170.9	7.04	162.0	6.56	158.5	6.43	151.0	5.93	144.1	5.68
		17.8	180.8	7.60	170.9	7.00	162.0	6.55	158.5	6.39	151.0	5.93	144.1	5.64
		35.5	180.8	7.46	170.9	6.85	162.0	6.49	158.5	6.23	151.0	5.93	144.1	5.48
		44.4	180.8	7.30	170.9	6.85	162.0	6.39	158.5	6.23	151.0	5.78	144.1	5.48
		53.3	180.8	7.22	170.9	6.85	162.0	6.34	158.5	6.23	151.0	5.70	144.1	5.48
	95	14.2	180.8	7.08	170.9	6.47	162.0	5.79	158.5	5.68	151.0	5.36	144.1	4.90
		17.8	180.8	7.00	170.9	6.39	162.0	5.78	158.5	5.64	151.0	5.32	144.1	4.86
		35.5	180.8	6.69	170.9	6.09	162.0	5.71	158.5	5.48	151.0	5.18	144.1	4.72
		44.4	180.8	6.69	170.9	6.09	162.0	5.64	158.5	5.48	151.0	5.18	144.1	4.72
		53.3	180.8	6.69	170.9	6.09	162.0	5.60	158.5	5.48	151.0	5.18	144.1	4.72
	104	14.2	180.8	6.63	170.9	6.01	162.0	5.19	158.5	5.06	151.0	4.76	144.1	4.44
		17.8	180.8	6.55	170.9	5.93	162.0	5.18	158.5	5.02	151.0	4.72	144.1	4.41
		35.5	180.8	6.23	170.9	5.64	162.0	5.12	158.5	4.86	151.0	4.57	144.1	4.27
		44.4	180.8	6.09	170.9	5.64	162.0	5.02	158.5	4.86	151.0	4.57	144.1	4.27
		53.3	180.8	6.02	170.9	5.64	162.0	4.97	158.5	4.86	151.0	4.57	144.1	4.27
	113	14.2	180.8	6.17	170.9	5.55	162.0	4.58	158.5	4.44	151.0	4.15	144.1	3.99
		17.8	180.8	6.09	170.9	5.48	162.0	4.57	158.5	4.41	151.0	4.11	144.1	3.95
		35.5	180.8	5.78	170.9	5.18	162.0	4.50	158.5	4.27	151.0	3.95	144.1	3.81
		44.4	180.8	5.48	170.9	5.18	162.0	4.41	158.5	4.27	151.0	3.95	144.1	3.81
		53.3	180.8	5.33	170.9	5.18	162.0	4.36	158.5	4.27	151.0	3.95	144.1	3.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	14.2	61.5	8.99	59.6	8.19	57.8	7.19	57.4	6.85	56.9	6.61	56.0	5.93
		17.8	63.6	9.15	61.6	8.34	59.8	7.35	59.4	7.00	58.9	6.75	57.9	6.06
		35.5	72.0	9.76	69.8	8.96	67.7	7.98	67.2	7.60	66.8	7.34	65.4	6.58
		44.4	79.6	10.37	77.0	9.59	74.7	8.61	74.1	8.20	73.7	7.90	72.3	7.10
		53.3	83.4	10.68	80.7	9.90	78.3	8.93	77.6	8.50	77.2	8.19	75.8	7.36
	32	14.2	110.0	12.25	104.9	11.49	100.1	10.55	98.6	10.06	96.9	9.68	93.3	8.70
		17.8	110.6	12.28	105.5	11.52	100.7	10.58	99.2	10.09	97.5	9.71	93.9	8.72
		35.5	113.2	12.40	107.9	11.65	103.1	10.69	101.4	10.20	99.8	9.82	96.1	8.82
		44.4	114.8	12.40	109.6	11.65	104.7	10.69	102.9	10.20	101.4	9.82	97.7	8.82
		53.3	115.7	12.40	110.4	11.65	105.6	10.69	103.7	10.20	102.3	9.82	98.4	8.82
	41	14.2	155.4	13.15	150.4	12.41	145.6	11.48	142.6	10.95	136.2	10.54	129.8	9.46
		17.8	155.5	13.21	150.2	12.47	145.6	11.54	142.6	11.00	136.2	10.59	129.8	9.51
		35.5	156.1	13.44	149.8	12.70	145.6	11.76	142.6	11.22	136.2	10.81	129.8	9.70
		44.4	157.0	13.52	150.2	12.78	145.6	11.85	142.6	11.30	136.2	10.89	129.8	9.78
		53.3	157.5	13.56	150.5	12.82	145.6	11.90	142.6	11.34	136.2	10.93	129.8	9.82
	50	14.2	156.2	11.61	150.9	11.04	145.6	10.39	142.6	9.97	136.2	9.56	129.8	8.62
		17.8	156.1	11.62	150.7	11.05	145.6	10.41	142.6	9.98	136.2	9.56	129.8	8.63
		35.5	155.8	11.65	149.9	11.10	145.6	10.45	142.6	10.03	136.2	9.52	129.8	8.66
		44.4	156.9	11.62	150.4	11.07	145.6	10.42	142.6	10.00	136.2	9.56	129.8	8.69
		53.3	157.4	11.60	150.6	11.05	145.6	10.40	142.6	9.98	136.2	9.57	129.8	8.71
	59	14.2	157.0	10.05	151.4	9.69	145.6	9.33	142.6	9.01	136.2	8.59	129.8	7.80
		17.8	156.7	10.01	151.1	9.65	145.6	9.29	142.6	8.97	136.2	8.52	129.8	7.76
		35.5	155.7	9.85	150.1	9.49	145.6	9.13	142.6	8.83	136.2	8.22	129.8	7.60
		44.4	156.7	9.71	150.5	9.35	145.6	8.97	142.6	8.67	136.2	8.22	129.8	7.60
		53.3	157.3	9.64	150.8	9.28	145.6	8.89	142.6	8.59	136.2	8.22	129.8	7.60
	68	14.2	157.9	8.48	152.1	8.24	145.6	7.96	142.6	7.64	136.2	7.38	129.8	6.92
		17.8	157.8	8.48	151.8	8.22	145.6	7.92	142.6	7.60	136.2	7.30	129.8	6.85
		35.5	157.2	8.48	150.5	8.12	145.6	7.76	142.6	7.46	136.2	7.00	129.8	6.55
		44.4	157.6	8.34	151.0	8.06	145.6	7.76	142.6	7.46	136.2	7.00	129.8	6.55
		53.3	157.9	8.27	151.2	8.03	145.6	7.76	142.6	7.46	136.2	7.00	129.8	6.55
	77	14.2	160.6	7.41	154.0	7.02	145.6	6.73	142.6	6.39	136.2	6.13	129.8	5.68
		17.8	160.9	7.40	154.0	7.00	145.6	6.69	142.6	6.39	136.2	6.09	129.8	5.64
		35.5	162.5	7.34	154.0	6.94	145.6	6.55	142.6	6.39	136.2	5.93	129.8	5.48
		44.4	163.1	7.15	154.0	6.78	145.6	6.55	142.6	6.23	136.2	5.93	129.8	5.48
		53.3	163.4	7.05	154.0	6.71	145.6	6.55	142.6	6.15	136.2	5.93	129.8	5.48
	86	14.2	163.1	6.73	154.0	6.27	145.6	5.81	142.6	5.68	136.2	5.36	129.8	4.86
		17.8	163.1	6.69	154.0	6.23	145.6	5.78	142.6	5.64	136.2	5.32	129.8	4.86
		35.5	163.1	6.55	154.0	6.09	145.6	5.64	142.6	5.48	136.2	5.18	129.8	4.86
		44.4	163.1	6.39	154.0	5.93	145.6	5.64	142.6	5.48	136.2	5.18	129.8	4.72
		53.3	163.1	6.31	154.0	5.86	145.6	5.64	142.6	5.48	136.2	5.18	129.8	4.65
	95	14.2	163.1	6.13	154.0	5.68	145.6	5.22	142.6	5.06	136.2	4.76	129.8	4.44
		17.8	163.1	6.09	154.0	5.64	145.6	5.18	142.6	5.02	136.2	4.72	129.8	4.41
		35.5	163.1	5.93	154.0	5.48	145.6	5.02	142.6	4.86	136.2	4.57	129.8	4.27
		44.4	163.1	5.78	154.0	5.32	145.6	4.86	142.6	4.72	136.2	4.57	129.8	4.27
		53.3	163.1	5.70	154.0	5.24	145.6	4.78	142.6	4.65	136.2	4.57	129.8	4.27
	104	14.2	163.1	5.71	154.0	5.22	145.6	4.60	142.6	4.44	136.2	4.31	129.8	3.99
		17.8	163.1	5.64	154.0	5.18	145.6	4.57	142.6	4.41	136.2	4.27	129.8	3.95
		35.5	163.1	5.32	154.0	5.02	145.6	4.41	142.6	4.27	136.2	4.11	129.8	3.81
		44.4	163.1	5.32	154.0	5.02	145.6	4.41	142.6	4.27	136.2	4.11	129.8	3.81
		53.3	163.1	5.32	154.0	5.02	145.6	4.41	142.6	4.27	136.2	4.11	129.8	3.81
	113	14.2	163.1	5.29	154.0	4.76	145.6	3.99	142.6	3.85	136.2	3.85	129.8	3.53
		17.8	163.1	5.18	154.0	4.72	145.6	3.95	142.6	3.81	136.2	3.81	129.8	3.49
		35.5	163.1	4.72	154.0	4.57	145.6	3.81	142.6	3.65	136.2	3.65	129.8	3.35
		44.4	163.1	4.86	154.0	4.72	145.6	3.95	142.6	3.81	136.2	3.65	129.8	3.35
		53.3	163.1	4.94	154.0	4.80	145.6	4.02	142.6	3.89	136.2	3.65	129.8	3.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	14.2	58.1	6.41	54.5	6.16	51.6	5.90	51.0	5.70	50.7	5.44	49.7	5.01
		17.8	60.1	6.55	56.4	6.30	53.3	6.03	52.7	5.82	52.4	5.56	51.4	5.12
		35.5	68.0	7.12	63.7	6.83	60.3	6.53	59.7	6.31	59.4	6.03	58.2	5.54
		44.4	75.2	7.67	70.4	7.37	66.6	7.05	65.9	6.82	65.6	6.50	64.2	5.98
		53.3	78.8	7.94	73.7	7.64	69.8	7.31	69.0	7.07	68.7	6.74	67.2	6.20
	32	14.2	103.8	9.40	95.7	9.02	89.1	8.65	87.5	8.35	86.3	7.96	83.0	7.33
		17.8	104.4	9.43	96.3	9.05	89.7	8.67	88.0	8.37	86.8	7.98	83.5	7.35
		35.5	107.0	9.54	98.6	9.16	91.8	8.77	90.1	8.47	88.9	8.08	85.4	7.43
		44.4	108.5	9.54	100.1	9.16	93.3	8.77	91.5	8.47	90.3	8.08	86.8	7.43
		53.3	109.3	9.54	100.8	9.16	94.0	8.77	92.2	8.47	91.0	8.08	87.5	7.43
	41	14.2	143.6	10.22	135.5	9.84	129.6	9.39	126.7	9.08	121.3	8.66	115.3	7.97
		17.8	143.9	10.28	135.8	9.89	129.6	9.44	126.7	9.13	121.3	8.70	115.3	8.01
		35.5	145.1	10.50	136.8	10.07	129.8	9.65	126.7	9.32	121.3	8.88	115.3	8.19
		44.4	145.1	10.56	136.7	10.15	129.8	9.71	126.7	9.38	121.3	8.94	115.3	8.23
		53.3	145.1	10.59	136.6	10.19	129.8	9.74	126.7	9.41	121.3	8.97	115.3	8.26
	50	14.2	144.4	9.41	136.1	8.98	129.6	8.53	126.7	8.29	121.3	7.85	115.3	7.27
		17.8	144.5	9.40	136.2	8.97	129.6	8.53	126.7	8.30	121.3	7.85	115.3	7.27
		35.5	145.1	9.35	136.8	8.93	129.8	8.55	126.7	8.31	121.3	7.87	115.3	7.29
		44.4	145.1	9.32	136.7	8.96	129.8	8.58	126.7	8.26	121.3	7.82	115.3	7.24
		53.3	145.1	9.30	136.6	8.97	129.8	8.59	126.7	8.24	121.3	7.80	115.3	7.22
	59	14.2	145.1	8.59	136.7	8.14	129.8	7.64	126.7	7.50	121.3	7.04	115.3	6.59
		17.8	145.1	8.52	136.7	8.06	129.8	7.60	126.7	7.46	121.3	7.00	115.3	6.55
		35.5	145.1	8.22	136.7	7.76	129.8	7.46	126.7	7.30	121.3	6.85	115.3	6.39
		44.4	145.1	8.06	136.7	7.76	129.8	7.46	126.7	7.15	121.3	6.69	115.3	6.23
		53.3	145.1	7.98	136.7	7.76	129.8	7.46	126.7	7.07	121.3	6.61	115.3	6.15
	68	14.2	145.1	7.18	136.7	6.89	129.8	6.55	126.7	6.43	121.3	6.13	115.3	5.68
		17.8	145.1	7.15	136.7	6.85	129.8	6.55	126.7	6.39	121.3	6.09	115.3	5.64
		35.5	145.1	7.00	136.7	6.69	129.8	6.55	126.7	6.23	121.3	5.93	115.3	5.48
		44.4	145.1	6.85	136.7	6.55	129.8	6.39	126.7	6.23	121.3	5.78	115.3	5.48
		53.3	145.1	6.77	136.7	6.48	129.8	6.31	126.7	6.23	121.3	5.70	115.3	5.48
	77	14.2	145.1	6.43	136.7	5.97	129.8	5.64	126.7	5.52	121.3	5.22	115.3	4.90
		17.8	145.1	6.39	136.7	5.93	129.8	5.64	126.7	5.48	121.3	5.18	115.3	4.86
		35.5	145.1	6.23	136.7	5.78	129.8	5.64	126.7	5.32	121.3	5.02	115.3	4.72
		44.4	145.1	6.09	136.7	5.78	129.8	5.48	126.7	5.32	121.3	5.02	115.3	4.72
		53.3	145.1	6.02	136.7	5.78	129.8	5.40	126.7	5.32	121.3	5.02	115.3	4.72
	86	14.2	145.1	5.68	136.7	5.36	129.8	5.06	126.7	4.90	121.3	4.60	115.3	4.31
		17.8	145.1	5.64	136.7	5.32	129.8	5.02	126.7	4.86	121.3	4.57	115.3	4.27
		35.5	145.1	5.48	136.7	5.18	129.8	4.86	126.7	4.72	121.3	4.41	115.3	4.11
		44.4	145.1	5.48	136.7	5.18	129.8	4.86	126.7	4.72	121.3	4.41	115.3	4.11
		53.3	145.1	5.48	136.7	5.18	129.8	4.86	126.7	4.72	121.3	4.41	115.3	4.11
	95	14.2	145.1	5.22	136.7	4.90	129.8	4.44	126.7	4.27	121.3	4.15	115.3	3.81
		17.8	145.1	5.18	136.7	4.86	129.8	4.41	126.7	4.27	121.3	4.11	115.3	3.81
		35.5	145.1	5.02	136.7	4.72	129.8	4.27	126.7	4.27	121.3	3.95	115.3	3.81
		44.4	145.1	5.02	136.7	4.57	129.8	4.27	126.7	4.11	121.3	3.95	115.3	3.65
		53.3	145.1	5.02	136.7	4.49	129.8	4.27	126.7	4.03	121.3	3.95	115.3	3.57
	104	14.2	145.1	4.94	136.7	4.44	129.8	3.95	126.7	3.99	121.3	3.65	115.3	3.53
		17.8	145.1	4.86	136.7	4.41	129.8	3.95	126.7	3.95	121.3	3.65	115.3	3.49
		35.5	145.1	4.57	136.7	4.27	129.8	3.95	126.7	3.81	121.3	3.65	115.3	3.35
		44.4	145.1	4.57	136.7	4.27	129.8	3.81	126.7	3.81	121.3	3.65	115.3	3.35
		53.3	145.1	4.57	136.7	4.27	129.8	3.74	126.7	3.81	121.3	3.65	115.3	3.35
	113	14.2	145.1	4.68	136.7	3.99	129.8	3.45	126.7	3.73	121.3	3.16	115.3	3.27
		17.8	145.1	4.57	136.7	3.95	129.8	3.49	126.7	3.65	121.3	3.20	115.3	3.20
		35.5	145.1	4.11	136.7	3.81	129.8	3.65	126.7	3.35	121.3	3.35	115.3	2.90
		44.4	145.1	4.11	136.7	3.95	129.8	3.35	126.7	3.49	121.3	3.35	115.3	3.04
		53.3	145.1	4.11	136.7	4.02	129.8	3.20	126.7	3.57	121.3	3.35	115.3	3.11

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	14.2	50.7	5.50	47.6	5.24	45.0	5.07	44.6	4.78	44.3	4.61	43.6	4.19
		17.8	52.4	5.62	49.3	5.35	46.6	5.18	46.1	4.88	45.8	4.71	45.1	4.28
		35.5	59.4	6.09	55.8	5.81	52.6	5.62	52.1	5.29	51.8	5.10	50.9	4.64
		44.4	65.7	6.58	61.6	6.27	58.2	6.06	57.7	5.70	57.3	5.51	56.2	5.01
		53.3	68.9	6.83	64.6	6.50	61.0	6.28	60.5	5.90	60.0	5.72	58.9	5.19
	32	14.2	90.8	8.05	83.9	7.68	77.9	7.42	76.5	6.99	75.3	6.75	72.7	6.14
		17.8	91.3	8.08	84.4	7.70	78.4	7.45	77.0	7.00	75.8	6.77	73.1	6.15
		35.5	93.4	8.17	86.3	7.78	80.2	7.54	78.8	7.08	77.6	6.85	74.7	6.22
		44.4	94.8	8.17	87.7	7.78	81.4	7.54	80.0	7.08	78.8	6.85	76.0	6.22
		53.3	95.5	8.17	88.4	7.78	82.0	7.54	80.6	7.08	79.4	6.85	76.6	6.22
	41	14.2	125.4	8.77	118.8	8.35	113.1	8.08	110.8	7.61	105.8	7.34	100.8	6.67
		17.8	125.7	8.82	119.1	8.39	113.2	8.12	110.8	7.65	105.8	7.38	100.8	6.71
		35.5	126.7	8.99	120.0	8.56	113.3	8.30	110.8	7.79	105.8	7.54	100.8	6.85
		44.4	126.7	9.05	119.8	8.63	113.3	8.36	110.8	7.85	105.8	7.59	100.8	6.89
		53.3	126.7	9.08	119.7	8.66	113.3	8.39	110.8	7.89	105.8	7.61	100.8	6.92
	50	14.2	126.0	8.08	119.2	7.63	113.3	7.35	110.8	6.94	105.8	6.66	100.8	6.09
		17.8	126.1	8.06	119.4	7.62	113.3	7.34	110.8	6.94	105.8	6.66	100.8	6.09
		35.5	126.7	8.00	119.8	7.56	113.3	7.27	110.8	6.94	105.8	6.66	100.8	6.09
		44.4	126.7	8.03	119.8	7.59	113.3	7.30	110.8	6.97	105.8	6.61	100.8	6.11
		53.3	126.7	8.04	119.8	7.60	113.3	7.32	110.8	6.99	105.8	6.59	100.8	6.12
	59	14.2	126.7	7.38	119.8	6.92	113.3	6.63	110.8	6.27	105.8	5.97	100.8	5.52
		17.8	126.7	7.30	119.8	6.85	113.3	6.55	110.8	6.23	105.8	5.93	100.8	5.48
		35.5	126.7	7.00	119.8	6.55	113.3	6.23	110.8	6.09	105.8	5.78	100.8	5.32
		44.4	126.7	7.00	119.8	6.55	113.3	6.23	110.8	6.09	105.8	5.64	100.8	5.32
		53.3	126.7	7.00	119.8	6.55	113.3	6.23	110.8	6.09	105.8	5.56	100.8	5.32
	68	14.2	126.7	6.13	119.8	5.81	113.3	5.68	110.8	5.52	105.8	5.22	100.8	4.90
		17.8	126.7	6.09	119.8	5.78	113.3	5.64	110.8	5.48	105.8	5.18	100.8	4.86
		35.5	126.7	5.93	119.8	5.64	113.3	5.48	110.8	5.32	105.8	5.02	100.8	4.72
		44.4	126.7	5.93	119.8	5.64	113.3	5.48	110.8	5.18	105.8	5.02	100.8	4.57
		53.3	126.7	5.93	119.8	5.64	113.3	5.48	110.8	5.11	105.8	5.02	100.8	4.49
	77	14.2	126.7	5.52	119.8	5.22	113.3	4.90	110.8	4.76	105.8	4.41	100.8	4.11
		17.8	126.7	5.48	119.8	5.18	113.3	4.86	110.8	4.72	105.8	4.41	100.8	4.11
		35.5	126.7	5.32	119.8	5.02	113.3	4.72	110.8	4.57	105.8	4.41	100.8	4.11
		44.4	126.7	5.18	119.8	4.86	113.3	4.72	110.8	4.57	105.8	4.27	100.8	4.11
		53.3	126.7	5.11	119.8	4.78	113.3	4.72	110.8	4.57	105.8	4.19	100.8	4.11
	86	14.2	126.7	4.90	119.8	4.60	113.3	4.31	110.8	4.11	105.8	3.99	100.8	3.65
		17.8	126.7	4.86	119.8	4.57	113.3	4.27	110.8	4.11	105.8	3.95	100.8	3.65
		35.5	126.7	4.72	119.8	4.41	113.3	4.11	110.8	4.11	105.8	3.81	100.8	3.65
		44.4	126.7	4.72	119.8	4.41	113.3	4.11	110.8	3.95	105.8	3.81	100.8	3.65
		53.3	126.7	4.72	119.8	4.41	113.3	4.11	110.8	3.87	105.8	3.81	100.8	3.65
	95	14.2	126.7	4.44	119.8	4.15	113.3	3.81	110.8	3.85	105.8	3.49	100.8	3.39
		17.8	126.7	4.41	119.8	4.11	113.3	3.81	110.8	3.81	105.8	3.49	100.8	3.35
		35.5	126.7	4.27	119.8	3.95	113.3	3.81	110.8	3.65	105.8	3.49	100.8	3.20
		44.4	126.7	4.27	119.8	3.95	113.3	3.65	110.8	3.65	105.8	3.49	100.8	3.20
		53.3	126.7	4.27	119.8	3.95	113.3	3.57	110.8	3.65	105.8	3.49	100.8	3.20
	104	14.2	126.7	4.15	119.8	3.85	113.3	3.53	110.8	3.35	105.8	3.20	100.8	3.07
		17.8	126.7	4.11	119.8	3.81	113.3	3.49	110.8	3.35	105.8	3.20	100.8	3.04
		35.5	126.7	3.95	119.8	3.65	113.3	3.35	110.8	3.35	105.8	3.20	100.8	2.90
		44.4	126.7	3.95	119.8	3.65	113.3	3.35	110.8	3.20	105.8	3.04	100.8	2.90
		53.3	126.7	3.95	119.8	3.65	113.3	3.35	110.8	3.12	105.8	2.96	100.8	2.90
	113	14.2	126.7	3.85	119.8	3.53	113.3	3.27	110.8	2.86	105.8	2.90	100.8	2.78
		17.8	126.7	3.81	119.8	3.49	113.3	3.20	110.8	2.90	105.8	2.90	100.8	2.74
		35.5	126.7	3.65	119.8	3.35	113.3	2.90	110.8	3.04	105.8	2.90	100.8	2.58
		44.4	126.7	3.65	119.8	3.35	113.3	3.04	110.8	2.74	105.8	2.58	100.8	2.58
		53.3	126.7	3.65	119.8	3.35	113.3	3.11	110.8	2.59	105.8	2.42	100.8	2.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	14.2	43.5	4.47	40.8	4.30	38.6	4.13	38.2	3.84	38.0	3.77	37.3	3.37
		17.8	45.1	4.57	42.2	4.39	39.9	4.22	39.5	3.92	39.3	3.86	38.6	3.45
		35.5	51.1	4.96	47.8	4.77	45.2	4.58	44.8	4.25	44.6	4.19	43.7	3.75
		44.4	56.4	5.34	52.7	5.15	50.0	4.94	49.4	4.60	49.3	4.52	48.2	4.03
		53.3	59.0	5.53	55.3	5.34	52.5	5.13	51.8	4.77	51.6	4.68	50.5	4.17
	32	14.2	77.9	6.54	71.8	6.31	66.9	6.04	65.6	5.62	64.7	5.54	62.3	4.95
		17.8	78.4	6.56	72.2	6.33	67.4	6.06	66.0	5.64	65.1	5.56	62.7	4.96
		35.5	80.2	6.64	73.8	6.39	69.0	6.14	67.5	5.70	66.6	5.62	64.0	5.01
		44.4	81.4	6.64	75.0	6.39	70.1	6.14	68.6	5.70	67.7	5.62	65.1	5.01
		53.3	82.0	6.64	75.7	6.39	70.6	6.14	69.1	5.70	68.2	5.62	65.6	5.01
	41	14.2	107.7	7.13	101.5	6.86	97.4	6.58	94.9	6.12	90.9	6.03	86.5	5.37
		17.8	107.9	7.16	101.7	6.89	97.4	6.61	94.9	6.15	90.9	6.06	86.5	5.40
		35.5	108.8	7.30	102.5	7.04	97.4	6.75	94.9	6.28	90.9	6.19	86.5	5.51
		44.4	108.8	7.37	102.3	7.08	97.4	6.80	94.9	6.33	90.9	6.22	86.5	5.56
		53.3	108.8	7.40	102.2	7.11	97.4	6.82	94.9	6.35	90.9	6.23	86.5	5.58
	50	14.2	108.2	6.55	101.9	6.27	97.4	5.97	94.9	5.57	90.9	5.47	86.5	4.90
		17.8	108.4	6.55	102.0	6.27	97.4	5.97	94.9	5.59	90.9	5.46	86.5	4.91
		35.5	108.8	6.55	102.5	6.27	97.4	5.97	94.9	5.65	90.9	5.45	86.5	4.96
		44.4	108.8	6.56	102.3	6.20	97.4	5.90	94.9	5.59	90.9	5.40	86.5	4.91
		53.3	108.8	6.57	102.2	6.17	97.4	5.87	94.9	5.56	90.9	5.38	86.5	4.89
	59	14.2	108.8	5.97	102.3	5.68	97.4	5.36	94.9	5.02	90.9	4.90	86.5	4.41
		17.8	108.8	5.93	102.3	5.64	97.4	5.32	94.9	5.02	90.9	4.86	86.5	4.41
		35.5	108.8	5.78	102.3	5.48	97.4	5.18	94.9	5.02	90.9	4.72	86.5	4.41
		44.4	108.8	5.78	102.3	5.32	97.4	5.02	94.9	4.86	90.9	4.57	86.5	4.27
		53.3	108.8	5.78	102.3	5.24	97.4	4.94	94.9	4.78	90.9	4.49	86.5	4.19
	68	14.2	108.8	5.22	102.3	4.90	97.4	4.60	94.9	4.44	90.9	4.31	86.5	3.99
		17.8	108.8	5.18	102.3	4.86	97.4	4.57	94.9	4.41	90.9	4.27	86.5	3.95
		35.5	108.8	5.02	102.3	4.72	97.4	4.41	94.9	4.27	90.9	4.11	86.5	3.81
		44.4	108.8	5.02	102.3	4.72	97.4	4.41	94.9	4.27	90.9	4.11	86.5	3.81
		53.3	108.8	5.02	102.3	4.72	97.4	4.41	94.9	4.27	90.9	4.11	86.5	3.81
	77	14.2	108.8	4.60	102.3	4.31	97.4	3.95	94.9	3.99	90.9	3.65	86.5	3.53
		17.8	108.8	4.57	102.3	4.27	97.4	3.95	94.9	3.95	90.9	3.65	86.5	3.49
		35.5	108.8	4.41	102.3	4.11	97.4	3.95	94.9	3.81	90.9	3.65	86.5	3.35
		44.4	108.8	4.41	102.3	4.11	97.4	3.81	94.9	3.81	90.9	3.65	86.5	3.35
		53.3	108.8	4.41	102.3	4.11	97.4	3.74	94.9	3.81	90.9	3.65	86.5	3.35
	86	14.2	108.8	4.15	102.3	3.85	97.4	3.69	94.9	3.53	90.9	3.39	86.5	3.24
		17.8	108.8	4.11	102.3	3.81	97.4	3.65	94.9	3.49	90.9	3.35	86.5	3.20
		35.5	108.8	3.95	102.3	3.65	97.4	3.49	94.9	3.35	90.9	3.20	86.5	3.04
		44.4	108.8	3.95	102.3	3.65	97.4	3.49	94.9	3.35	90.9	3.20	86.5	3.04
		53.3	108.8	3.95	102.3	3.65	97.4	3.49	94.9	3.35	90.9	3.20	86.5	3.04
	95	14.2	108.8	3.65	102.3	3.53	97.4	3.20	94.9	3.24	90.9	3.07	86.5	2.94
		17.8	108.8	3.65	102.3	3.49	97.4	3.20	94.9	3.20	90.9	3.04	86.5	2.90
		35.5	108.8	3.65	102.3	3.35	97.4	3.20	94.9	3.04	90.9	2.90	86.5	2.74
		44.4	108.8	3.65	102.3	3.35	97.4	3.04	94.9	3.04	90.9	2.90	86.5	2.74
		53.3	108.8	3.65	102.3	3.35	97.4	2.96	94.9	3.04	90.9	2.90	86.5	2.74
	104	14.2	108.8	3.35	102.3	3.24	97.4	2.90	94.9	2.94	90.9	2.78	86.5	2.58
		17.8	108.8	3.35	102.3	3.20	97.4	2.90	94.9	2.90	90.9	2.74	86.5	2.58
		35.5	108.8	3.35	102.3	3.04	97.4	2.90	94.9	2.74	90.9	2.58	86.5	2.58
		44.4	108.8	3.35	102.3	3.04	97.4	2.90	94.9	2.74	90.9	2.58	86.5	2.58
		53.3	108.8	3.35	102.3	3.04	97.4	2.90	94.9	2.74	90.9	2.58	86.5	2.58
	113	14.2	108.8	3.04	102.3	2.94	97.4	2.58	94.9	2.62	90.9	2.48	86.5	2.24
		17.8	108.8	3.04	102.3	2.90	97.4	2.58	94.9	2.58	90.9	2.44	86.5	2.28
		35.5	108.8	3.04	102.3	2.74	97.4	2.58	94.9	2.44	90.9	2.28	86.5	2.44
		44.4	108.8	3.04	102.3	2.74	97.4	2.74	94.9	2.44	90.9	2.28	86.5	2.44
		53.3	108.8	3.04	102.3	2.74	97.4	2.82	94.9	2.44	90.9	2.28	86.5	2.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN144BAS4, ARWB144BAS4

144,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	14.2	36.3	3.56	34.1	3.37	32.2	3.19	31.7	3.02	31.6	2.83	31.0	2.68
		17.8	37.5	3.64	35.3	3.45	33.3	3.26	32.9	3.09	32.7	2.90	32.1	2.74
		35.5	42.3	3.94	39.8	3.75	37.7	3.53	37.2	3.35	37.1	3.15	36.3	2.96
		44.4	46.9	4.25	44.0	4.03	41.6	3.81	41.1	3.62	40.8	3.38	40.2	3.20
		53.3	49.1	4.41	46.1	4.17	43.6	3.95	43.1	3.76	42.7	3.50	42.2	3.31
	32	14.2	64.7	5.21	59.9	4.95	55.7	4.66	54.5	4.42	53.8	4.16	51.8	3.92
		17.8	65.1	5.23	60.3	4.96	56.1	4.68	54.9	4.44	54.1	4.17	52.1	3.94
		35.5	66.6	5.27	61.6	5.01	57.4	4.74	56.2	4.50	55.5	4.22	53.3	3.98
		44.4	67.7	5.27	62.5	5.01	58.2	4.74	57.1	4.50	56.2	4.22	54.3	3.98
		53.3	68.2	5.27	63.0	5.01	58.5	4.74	57.6	4.50	56.6	4.22	54.7	3.98
	41	14.2	89.5	5.67	84.8	5.37	80.9	5.07	79.0	4.82	75.5	4.53	72.0	4.26
		17.8	89.7	5.70	85.0	5.40	80.9	5.10	79.0	4.85	75.5	4.55	72.0	4.28
		35.5	90.4	5.81	85.6	5.51	81.1	5.21	79.0	4.94	75.5	4.63	72.0	4.38
		44.4	90.4	5.86	85.4	5.56	81.1	5.24	79.0	4.97	75.5	4.68	72.0	4.41
		53.3	90.4	5.88	85.4	5.58	81.1	5.26	79.0	4.99	75.5	4.70	72.0	4.42
	50	14.2	90.0	5.22	85.0	4.92	80.9	4.62	79.0	4.42	75.5	4.08	72.0	3.90
		17.8	90.1	5.21	85.1	4.91	80.9	4.61	79.0	4.41	75.5	4.09	72.0	3.89
		35.5	90.4	5.18	85.6	4.90	81.1	4.58	79.0	4.38	75.5	4.14	72.0	3.86
		44.4	90.4	5.21	85.4	4.91	81.1	4.60	79.0	4.39	75.5	4.08	72.0	3.87
		53.3	90.4	5.23	85.4	4.92	81.1	4.60	79.0	4.40	75.5	4.05	72.0	3.88
	59	14.2	90.4	4.76	85.4	4.44	81.1	4.15	79.0	3.99	75.5	3.65	72.0	3.53
		17.8	90.4	4.72	85.4	4.41	81.1	4.11	79.0	3.95	75.5	3.65	72.0	3.49
		35.5	90.4	4.57	85.4	4.27	81.1	3.95	79.0	3.81	75.5	3.65	72.0	3.35
		44.4	90.4	4.57	85.4	4.27	81.1	3.95	79.0	3.81	75.5	3.49	72.0	3.35
		53.3	90.4	4.57	85.4	4.27	81.1	3.95	79.0	3.81	75.5	3.42	72.0	3.35
	68	14.2	90.4	4.15	85.4	3.85	81.1	3.69	79.0	3.53	75.5	3.39	72.0	3.04
		17.8	90.4	4.11	85.4	3.81	81.1	3.65	79.0	3.49	75.5	3.35	72.0	3.04
		35.5	90.4	3.95	85.4	3.65	81.1	3.49	79.0	3.35	75.5	3.20	72.0	3.04
		44.4	90.4	3.95	85.4	3.65	81.1	3.49	79.0	3.35	75.5	3.20	72.0	3.04
		53.3	90.4	3.95	85.4	3.65	81.1	3.49	79.0	3.35	75.5	3.20	72.0	3.04
	77	14.2	90.4	3.69	85.4	3.35	81.1	3.24	79.0	3.04	75.5	2.90	72.0	2.74
		17.8	90.4	3.65	85.4	3.35	81.1	3.20	79.0	3.04	75.5	2.90	72.0	2.74
		35.5	90.4	3.49	85.4	3.35	81.1	3.04	79.0	3.04	75.5	2.90	72.0	2.74
		44.4	90.4	3.49	85.4	3.35	81.1	3.04	79.0	3.04	75.5	2.90	72.0	2.74
		53.3	90.4	3.49	85.4	3.35	81.1	3.04	79.0	3.04	75.5	2.90	72.0	2.74
	86	14.2	90.4	3.39	85.4	3.07	81.1	2.94	79.0	2.74	75.5	2.78	72.0	2.62
		17.8	90.4	3.35	85.4	3.04	81.1	2.90	79.0	2.74	75.5	2.74	72.0	2.58
		35.5	90.4	3.20	85.4	2.90	81.1	2.74	79.0	2.74	75.5	2.58	72.0	2.44
		44.4	90.4	3.20	85.4	2.90	81.1	2.74	79.0	2.74	75.5	2.58	72.0	2.44
		53.3	90.4	3.20	85.4	2.90	81.1	2.74	79.0	2.74	75.5	2.58	72.0	2.44
	95	14.2	90.4	3.07	85.4	2.74	81.1	2.58	79.0	2.62	75.5	2.44	72.0	2.28
		17.8	90.4	3.04	85.4	2.74	81.1	2.58	79.0	2.58	75.5	2.44	72.0	2.28
		35.5	90.4	2.90	85.4	2.74	81.1	2.58	79.0	2.44	75.5	2.44	72.0	2.28
		44.4	90.4	2.90	85.4	2.74	81.1	2.58	79.0	2.44	75.5	2.44	72.0	2.28
		53.3	90.4	2.90	85.4	2.74	81.1	2.58	79.0	2.44	75.5	2.44	72.0	2.28
	104	14.2	90.4	2.78	85.4	2.62	81.1	2.48	79.0	2.28	75.5	2.32	72.0	2.13
		17.8	90.4	2.74	85.4	2.58	81.1	2.44	79.0	2.28	75.5	2.28	72.0	2.13
		35.5	90.4	2.58	85.4	2.44	81.1	2.28	79.0	2.28	75.5	2.13	72.0	2.13
		44.4	90.4	2.58	85.4	2.44	81.1	2.28	79.0	2.28	75.5	2.13	72.0	2.13
		53.3	90.4	2.58	85.4	2.44	81.1	2.28	79.0	2.28	75.5	2.13	72.0	2.13
	113	14.2	90.4	2.48	85.4	2.52	81.1	2.36	79.0	1.95	75.5	2.20	72.0	1.98
		17.8	90.4	2.44	85.4	2.44	81.1	2.28	79.0	1.98	75.5	2.13	72.0	1.98
		35.5	90.4	2.28	85.4	2.13	81.1	1.98	79.0	2.13	75.5	1.83	72.0	1.98
		44.4	90.4	2.28	85.4	2.13	81.1	1.98	79.0	2.13	75.5	1.83	72.0	1.98
		53.3	90.4	2.28	85.4	2.13	81.1	1.98	79.0	2.13	75.5	1.83	72.0	1.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	18.3	89.4	10.20	88.7	9.60	88.2	8.94	87.0	8.67	88.0	8.45	85.6	7.57
		22.9	92.4	10.38	91.7	9.79	91.2	9.14	90.0	8.86	91.0	8.63	88.6	7.74
		45.7	104.6	11.08	103.8	10.53	103.2	9.91	101.8	9.62	103.1	9.36	100.4	8.40
		57.1	115.7	11.79	114.6	11.25	113.9	10.68	112.5	10.40	113.9	10.09	110.9	9.05
		68.6	121.3	12.14	120.1	11.62	119.3	11.07	117.9	10.79	119.4	10.46	116.2	9.38
	32	18.3	159.8	13.95	156.1	13.53	152.8	13.10	149.4	12.72	150.0	12.38	143.1	11.08
		22.9	160.7	13.98	157.0	13.57	153.7	13.13	150.3	12.76	150.8	12.41	144.0	11.12
		45.7	164.5	14.14	160.5	13.70	157.2	13.29	153.8	12.91	154.4	12.55	147.5	11.25
		57.1	167.0	14.14	162.9	13.70	159.6	13.29	156.1	12.91	156.6	12.55	149.6	11.25
		68.6	168.3	14.14	164.2	13.70	160.8	13.29	157.3	12.91	157.8	12.55	150.7	11.25
	41	18.3	230.1	15.00	226.6	14.62	221.9	14.25	216.3	13.85	210.5	13.47	198.8	12.06
		22.9	230.8	15.07	227.0	14.69	221.9	14.33	216.3	13.93	210.5	13.53	198.8	12.12
		45.7	234.0	15.33	228.6	14.96	222.1	14.62	216.3	14.21	210.5	13.81	198.8	12.38
		57.1	235.4	15.43	229.3	15.07	222.1	14.71	216.3	14.31	210.5	13.91	198.8	12.46
		68.6	236.1	15.48	229.6	15.12	222.1	14.76	216.3	14.36	210.5	13.96	198.8	12.50
	50	18.3	230.3	13.65	226.6	13.19	221.2	12.94	215.4	12.65	209.6	12.22	198.1	11.03
		22.9	231.7	13.62	227.7	13.20	222.1	12.96	216.3	12.65	210.5	12.21	198.8	11.02
		45.7	237.1	13.52	231.9	13.25	225.6	13.07	219.8	12.63	213.6	12.17	202.0	10.98
		57.1	238.4	13.70	233.5	13.43	227.0	13.12	220.8	12.67	215.1	12.38	203.2	11.50
		68.6	239.0	13.79	234.3	13.53	227.7	13.14	221.4	12.70	215.8	12.48	203.9	11.77
	59	18.3	230.7	12.29	226.6	11.77	220.3	11.65	214.5	11.45	208.8	10.97	197.2	10.00
		22.9	232.6	12.17	228.4	11.72	222.1	11.62	216.3	11.36	210.5	10.88	198.8	9.91
		45.7	240.1	11.69	235.2	11.52	229.1	11.52	223.3	11.03	216.8	10.55	205.1	9.57
		57.1	241.4	11.98	237.5	11.79	231.9	11.52	225.6	11.03	219.8	10.85	207.6	10.55
		68.6	242.0	12.12	238.7	11.93	233.3	11.52	226.8	11.03	221.2	11.00	208.9	11.03
	68	18.3	239.4	11.28	235.1	10.76	228.9	10.52	222.6	10.19	216.1	9.96	203.3	9.65
		22.9	241.4	11.20	237.0	10.74	230.7	10.51	224.3	10.22	218.0	10.03	205.1	9.57
		45.7	249.0	10.88	244.5	10.72	237.7	10.48	231.4	10.40	225.6	10.29	212.8	9.26
		57.1	250.0	10.88	246.4	10.72	240.5	10.55	233.6	10.40	227.3	10.29	214.5	9.84
		68.6	250.6	10.88	247.2	10.72	241.9	10.58	234.8	10.40	228.2	10.29	215.4	10.14
	77	18.3	252.9	10.76	246.4	10.45	240.5	10.27	235.9	10.10	230.7	9.95	217.5	9.29
		22.9	252.9	10.72	246.4	10.43	240.5	10.22	235.9	10.06	230.7	9.91	217.5	9.26
		45.7	252.9	10.55	246.4	10.36	240.5	10.06	235.9	9.91	230.7	9.74	217.5	9.08
		57.1	252.9	10.40	246.4	10.09	240.5	9.91	235.9	9.74	230.7	9.57	217.5	8.93
		68.6	252.9	10.32	246.4	9.96	240.5	9.83	235.9	9.65	230.7	9.48	217.5	8.86
	86	18.3	252.9	10.48	246.4	9.96	240.5	9.86	235.9	9.61	230.7	9.50	217.5	8.84
		22.9	252.9	10.40	246.4	9.94	240.5	9.81	235.9	9.57	230.7	9.42	217.5	8.77
		45.7	252.9	10.06	246.4	9.88	240.5	9.57	235.9	9.42	230.7	9.08	217.5	8.45
		57.1	252.9	9.91	246.4	9.60	240.5	9.42	235.9	9.26	230.7	9.08	217.5	8.45
		68.6	252.9	9.83	246.4	9.47	240.5	9.34	235.9	9.17	230.7	9.08	217.5	8.45
	95	18.3	252.9	10.00	246.4	9.66	240.5	9.46	235.9	9.12	230.7	8.81	217.5	8.19
		22.9	252.9	9.91	246.4	9.60	240.5	9.42	235.9	9.08	230.7	8.77	217.5	8.12
		45.7	252.9	9.57	246.4	9.39	240.5	9.26	235.9	8.93	230.7	8.60	217.5	7.79
		57.1	252.9	9.57	246.4	9.29	240.5	9.08	235.9	8.77	230.7	8.45	217.5	7.79
		68.6	252.9	9.57	246.4	9.24	240.5	9.00	235.9	8.69	230.7	8.38	217.5	7.79
	104	18.3	252.9	9.65	246.4	9.34	240.5	9.17	235.9	8.84	230.7	8.53	217.5	7.71
		22.9	252.9	9.57	246.4	9.29	240.5	9.08	235.9	8.77	230.7	8.45	217.5	7.62
		45.7	252.9	9.26	246.4	9.05	240.5	8.77	235.9	8.45	230.7	8.12	217.5	7.31
		57.1	252.9	9.08	246.4	8.90	240.5	8.77	235.9	8.45	230.7	8.12	217.5	7.31
		68.6	252.9	9.00	246.4	8.83	240.5	8.77	235.9	8.45	230.7	8.12	217.5	7.31
	113	18.3	252.9	9.33	246.4	9.03	240.5	8.89	235.9	8.57	230.7	8.24	217.5	7.22
		22.9	252.9	9.26	246.4	8.97	240.5	8.77	235.9	8.45	230.7	8.12	217.5	7.14
		45.7	252.9	8.93	246.4	8.74	240.5	8.28	235.9	7.96	230.7	7.62	217.5	6.82
		57.1	252.9	8.60	246.4	8.52	240.5	8.45	235.9	8.12	230.7	7.79	217.5	6.82
		68.6	252.9	8.43	246.4	8.41	240.5	8.53	235.9	8.19	230.7	7.88	217.5	6.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN168BAS4, ARWB168BAS4
168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	18.3	85.0	10.20	84.3	9.60	83.8	8.94	82.8	8.57	83.5	8.31	81.2	7.44
		22.9	87.9	10.38	87.2	9.79	86.6	9.14	85.6	8.75	86.3	8.50	84.0	7.60
		45.7	99.5	11.08	98.7	10.53	98.1	9.91	96.9	9.48	97.8	9.22	95.2	8.26
		57.1	109.9	11.79	109.0	11.25	108.3	10.68	107.1	10.24	108.0	9.94	105.0	8.90
		68.6	115.1	12.14	114.3	11.62	113.4	11.07	112.2	10.62	113.1	10.31	109.9	9.22
	32	18.3	151.9	13.95	148.2	13.53	145.1	13.10	142.1	12.54	142.1	12.19	135.6	10.90
		22.9	152.8	13.98	149.1	13.57	145.9	13.13	143.0	12.58	143.0	12.22	136.5	10.93
		45.7	156.3	14.14	152.6	13.70	149.4	13.29	146.3	12.73	146.3	12.36	139.8	11.07
		57.1	158.7	14.14	155.1	13.70	151.7	13.29	148.6	12.73	148.4	12.36	141.9	11.07
		68.6	160.0	14.14	156.3	13.70	152.9	13.29	149.8	12.73	149.5	12.36	143.0	11.07
	41	18.3	218.9	15.00	215.6	14.62	211.0	14.25	205.8	13.65	199.3	13.27	188.5	11.88
		22.9	219.8	15.07	216.1	14.69	211.0	14.33	205.8	13.72	199.3	13.33	188.5	11.94
		45.7	222.9	15.33	217.7	14.96	211.0	14.62	205.8	14.00	199.3	13.60	188.5	12.17
		57.1	224.2	15.43	216.5	15.07	211.0	14.71	205.8	14.10	199.3	13.70	188.5	12.26
		68.6	224.7	15.48	215.8	15.12	211.0	14.76	205.8	14.15	199.3	13.76	188.5	12.31
	50	18.3	219.8	13.47	215.7	13.10	210.4	12.83	205.3	12.45	198.8	12.03	188.0	10.82
		22.9	220.8	13.52	216.6	13.15	211.0	12.88	205.8	12.46	199.3	12.02	188.5	10.83
		45.7	224.9	13.70	220.1	13.35	213.3	13.07	208.2	12.53	201.4	11.99	190.4	10.88
		57.1	226.1	13.65	219.4	13.35	214.2	13.12	209.1	12.58	202.3	12.04	191.3	11.25
		68.6	226.8	13.63	219.1	13.35	214.6	13.14	209.5	12.60	202.8	12.07	191.8	11.43
	59	18.3	220.5	11.95	216.0	11.60	209.8	11.41	204.7	11.24	198.3	10.79	187.4	9.78
		22.9	221.7	11.98	217.3	11.62	211.0	11.43	205.8	11.20	199.3	10.72	188.5	9.74
		45.7	226.8	12.07	222.6	11.72	215.8	11.52	210.5	11.03	203.4	10.40	192.5	9.57
		57.1	228.0	11.89	222.4	11.62	217.5	11.52	212.2	11.03	205.1	10.40	194.3	10.22
		68.6	228.7	11.79	222.3	11.57	218.4	11.52	213.1	11.03	206.0	10.40	195.1	10.55
	68	18.3	226.6	10.74	222.3	10.29	215.6	10.02	209.6	9.87	202.8	9.74	191.9	9.26
		22.9	228.0	10.74	223.6	10.33	216.8	10.06	211.0	9.91	204.1	9.74	193.0	9.22
		45.7	233.8	10.74	228.9	10.48	221.5	10.22	216.3	10.06	209.3	9.71	197.6	9.08
		57.1	234.9	10.65	228.7	10.40	223.3	10.22	217.5	10.06	210.5	9.74	198.8	9.42
		68.6	235.4	10.60	228.7	10.36	224.2	10.22	218.1	10.06	211.1	9.76	199.5	9.59
	77	18.3	237.6	10.17	230.7	9.69	223.3	9.50	218.6	9.29	212.8	9.12	201.1	8.48
		22.9	237.7	10.12	230.7	9.67	223.3	9.48	218.6	9.26	212.8	9.08	201.1	8.45
		45.7	238.2	9.98	230.7	9.60	223.3	9.42	218.6	9.08	212.8	8.93	201.1	8.28
		57.1	238.9	9.60	230.7	9.36	223.3	9.26	218.6	9.08	212.8	8.77	201.1	8.28
		68.6	239.3	9.42	230.7	9.22	223.3	9.17	218.6	9.08	212.8	8.69	201.1	8.28
	86	18.3	238.9	9.72	230.7	9.24	223.3	8.98	218.6	8.64	212.8	8.53	201.1	7.83
		22.9	238.9	9.64	230.7	9.19	223.3	8.93	218.6	8.60	212.8	8.45	201.1	7.79
		45.7	238.9	9.32	230.7	8.97	223.3	8.77	218.6	8.45	212.8	8.12	201.1	7.62
		57.1	238.9	9.02	230.7	8.77	223.3	8.60	218.6	8.45	212.8	8.12	201.1	7.47
		68.6	238.9	8.86	230.7	8.67	223.3	8.51	218.6	8.45	212.8	8.12	201.1	7.40
	95	18.3	238.9	9.29	230.7	8.78	223.3	8.53	218.6	8.19	212.8	7.88	201.1	7.17
		22.9	238.9	9.15	230.7	8.70	223.3	8.45	218.6	8.12	212.8	7.79	201.1	7.14
		45.7	238.9	8.63	230.7	8.38	223.3	8.12	218.6	7.79	212.8	7.47	201.1	6.98
		57.1	238.9	8.53	230.7	8.31	223.3	8.12	218.6	7.79	212.8	7.47	201.1	6.82
		68.6	238.9	8.48	230.7	8.28	223.3	8.12	218.6	7.79	212.8	7.47	201.1	6.74
	104	18.3	238.9	9.00	230.7	8.38	223.3	8.05	218.6	7.71	212.8	7.38	201.1	6.69
		22.9	238.9	8.83	230.7	8.28	223.3	7.96	218.6	7.62	212.8	7.31	201.1	6.65
		45.7	238.9	8.14	230.7	7.89	223.3	7.62	218.6	7.31	212.8	6.98	201.1	6.50
		57.1	238.9	8.05	230.7	7.79	223.3	7.62	218.6	7.31	212.8	6.98	201.1	6.33
		68.6	238.9	8.00	230.7	7.74	223.3	7.62	218.6	7.31	212.8	6.98	201.1	6.24
	113	18.3	238.9	8.73	230.7	7.98	223.3	7.55	218.6	7.22	212.8	6.90	201.1	6.20
		22.9	238.9	8.52	230.7	7.86	223.3	7.47	218.6	7.14	212.8	6.82	201.1	6.17
		45.7	238.9	7.66	230.7	7.41	223.3	7.14	218.6	6.82	212.8	6.50	201.1	6.01
		57.1	238.9	7.55	230.7	7.27	223.3	7.14	218.6	6.82	212.8	6.50	201.1	5.84
		68.6	238.9	7.50	230.7	7.20	223.3	7.14	218.6	6.82	212.8	6.50	201.1	5.76

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168BAS4, ARWB168BAS4
168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	18.3	80.4	10.33	79.8	9.60	79.3	8.94	78.6	8.57	78.7	8.31	77.0	7.44
		22.9	83.1	10.51	82.6	9.79	82.1	9.14	81.2	8.75	81.4	8.50	79.6	7.60
		45.7	94.0	11.22	93.5	10.53	93.0	9.91	91.9	9.48	91.9	9.22	90.2	8.26
		57.1	103.9	11.94	103.2	11.25	102.7	10.68	101.7	10.24	101.7	9.94	99.5	8.90
		68.6	108.9	12.31	108.1	11.62	107.6	11.07	106.5	10.62	106.5	10.31	104.2	9.22
	32	18.3	143.7	14.14	140.5	13.53	137.6	13.10	134.9	12.54	133.7	12.19	128.6	10.90
		22.9	144.5	14.17	141.4	13.57	138.4	13.13	135.8	12.58	134.5	12.22	129.4	10.93
		45.7	147.9	14.31	144.7	13.70	141.6	13.29	138.9	12.73	137.7	12.36	132.4	11.07
		57.1	150.1	14.31	147.0	13.70	143.8	13.29	141.0	12.73	139.8	12.36	134.4	11.07
		68.6	151.3	14.31	148.1	13.70	144.9	13.29	142.1	12.73	140.9	12.36	135.3	11.07
	41	18.3	209.6	15.20	204.6	14.62	199.9	14.25	195.3	13.65	187.8	13.27	178.7	11.88
		22.9	210.3	15.26	205.0	14.69	199.9	14.33	195.3	13.72	187.8	13.33	178.7	11.94
		45.7	213.1	15.53	206.5	14.96	200.0	14.62	195.3	14.00	187.8	13.60	178.7	12.17
		57.1	214.4	15.64	207.1	15.07	200.0	14.71	195.3	14.10	187.8	13.70	178.7	12.26
		68.6	214.9	15.69	207.4	15.12	200.0	14.76	195.3	14.15	187.8	13.76	178.7	12.31
	50	18.3	210.4	13.62	205.1	13.16	199.6	12.88	195.0	12.45	187.4	12.03	178.4	10.82
		22.9	211.2	13.65	205.7	13.20	199.9	12.91	195.3	12.46	187.8	12.02	178.7	10.83
		45.7	214.4	13.76	207.8	13.35	201.1	13.07	196.5	12.53	189.0	11.99	179.5	10.88
		57.1	215.6	13.76	208.7	13.35	201.8	13.03	196.9	12.50	189.4	12.04	180.1	11.00
		68.6	216.1	13.76	209.1	13.35	202.2	13.02	197.1	12.48	189.5	12.07	180.3	11.05
	59	18.3	211.0	12.05	205.5	11.72	199.5	11.52	194.8	11.24	187.1	10.79	178.2	9.78
		22.9	211.9	12.04	206.2	11.72	200.0	11.52	195.3	11.20	187.8	10.72	178.7	9.74
		45.7	215.4	11.98	209.3	11.72	202.3	11.52	197.6	11.03	190.2	10.40	180.4	9.57
		57.1	216.6	11.89	210.3	11.62	203.4	11.36	198.3	10.88	190.8	10.40	181.5	9.74
		68.6	217.2	11.84	210.8	11.57	203.9	11.29	198.6	10.81	191.1	10.40	182.0	9.83
	68	18.3	214.9	10.41	209.0	10.16	202.3	9.91	196.9	9.74	189.7	9.46	179.7	8.85
		22.9	216.1	10.43	209.8	10.16	202.9	9.91	197.6	9.74	190.2	9.42	180.4	8.83
		45.7	220.7	10.51	212.6	10.16	205.1	9.91	200.6	9.74	192.5	9.26	183.2	8.77
		57.1	221.9	10.51	214.4	10.16	206.4	9.91	201.1	9.57	193.6	9.26	183.7	8.77
		68.6	222.5	10.51	215.2	10.16	207.0	9.91	201.4	9.48	194.1	9.26	184.0	8.77
	77	18.3	221.6	9.47	215.1	9.12	206.4	8.98	201.8	8.64	194.8	8.32	184.4	7.62
		22.9	222.1	9.45	215.1	9.08	206.4	8.93	201.8	8.60	194.8	8.28	184.4	7.62
		45.7	223.8	9.39	215.1	8.93	206.4	8.77	201.8	8.45	194.8	8.12	184.4	7.62
		57.1	224.9	9.39	215.1	8.97	206.4	8.60	201.8	8.45	194.8	7.96	184.4	7.47
		68.6	225.4	9.39	215.1	8.98	206.4	8.51	201.8	8.45	194.8	7.88	184.4	7.40
	86	18.3	224.9	8.64	215.1	8.32	206.4	8.00	201.8	7.83	194.8	7.35	184.4	6.86
		22.9	224.9	8.60	215.1	8.28	206.4	7.96	201.8	7.79	194.8	7.31	184.4	6.82
		45.7	224.9	8.45	215.1	8.12	206.4	7.79	201.8	7.62	194.8	7.14	184.4	6.65
		57.1	224.9	8.38	215.1	7.96	206.4	7.62	201.8	7.47	194.8	7.14	184.4	6.65
		68.6	224.9	8.34	215.1	7.88	206.4	7.54	201.8	7.40	194.8	7.14	184.4	6.65
	95	18.3	224.9	8.19	215.1	7.66	206.4	7.35	201.8	7.03	194.8	6.69	184.4	6.20
		22.9	224.9	8.12	215.1	7.62	206.4	7.31	201.8	6.98	194.8	6.65	184.4	6.17
		45.7	224.9	7.79	215.1	7.47	206.4	7.14	201.8	6.82	194.8	6.50	184.4	6.01
		57.1	224.9	7.59	215.1	7.31	206.4	6.98	201.8	6.82	194.8	6.50	184.4	6.01
		68.6	224.9	7.48	215.1	7.22	206.4	6.91	201.8	6.82	194.8	6.50	184.4	6.01
	104	18.3	224.9	7.71	215.1	7.38	206.4	6.90	201.8	6.54	194.8	6.20	184.4	5.71
		22.9	224.9	7.62	215.1	7.31	206.4	6.82	201.8	6.50	194.8	6.17	184.4	5.67
		45.7	224.9	7.31	215.1	6.98	206.4	6.50	201.8	6.33	194.8	6.01	184.4	5.52
		57.1	224.9	7.21	215.1	6.82	206.4	6.50	201.8	6.17	194.8	5.84	184.4	5.36
		68.6	224.9	7.15	215.1	6.74	206.4	6.50	201.8	6.08	194.8	5.76	184.4	5.27
	113	18.3	224.9	7.22	215.1	7.11	206.4	6.45	201.8	6.05	194.8	5.71	184.4	5.23
		22.9	224.9	7.14	215.1	6.98	206.4	6.33	201.8	6.01	194.8	5.67	184.4	5.19
		45.7	224.9	6.82	215.1	6.50	206.4	5.84	201.8	5.84	194.8	5.52	184.4	5.04
		57.1	224.9	6.82	215.1	6.33	206.4	6.01	201.8	5.52	194.8	5.19	184.4	4.70
		68.6	224.9	6.82	215.1	6.24	206.4	6.10	201.8	5.36	194.8	5.02	184.4	4.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	18.3	76.0	10.33	75.4	9.74	75.1	8.94	74.5	8.57	73.8	8.19	72.4	7.44
		22.9	78.6	10.51	78.1	9.93	77.7	9.14	77.0	8.75	76.3	8.36	74.9	7.60
		45.7	88.9	11.22	88.4	10.67	87.9	9.91	87.0	9.48	86.3	9.08	84.9	8.26
		57.1	98.3	11.94	97.6	11.40	97.1	10.68	96.2	10.24	95.5	9.79	93.7	8.90
		68.6	102.9	12.31	102.2	11.77	101.7	11.07	100.8	10.62	100.1	10.15	98.2	9.22
	32	18.3	135.8	14.14	132.8	13.72	130.0	13.10	127.8	12.54	125.5	12.00	121.1	10.90
		22.9	136.6	14.17	133.7	13.76	130.8	13.13	128.5	12.58	126.2	12.04	121.8	10.93
		45.7	139.8	14.31	136.8	13.89	133.8	13.29	131.5	12.73	129.2	12.17	124.6	11.07
		57.1	141.9	14.31	138.9	13.89	135.9	13.29	133.5	12.73	131.1	12.17	126.6	11.07
		68.6	143.0	14.31	140.0	13.89	137.0	13.29	134.4	12.73	132.1	12.17	127.6	11.07
	41	18.3	200.4	15.20	193.7	14.83	188.8	14.25	185.0	13.65	176.2	13.07	168.0	11.88
		22.9	201.1	15.26	194.1	14.89	188.8	14.33	185.0	13.72	176.2	13.13	168.0	11.94
		45.7	203.9	15.53	195.5	15.17	189.0	14.62	185.0	14.00	176.2	13.40	168.0	12.17
		57.1	205.1	15.64	196.0	15.26	189.0	14.71	185.0	14.10	176.2	13.48	168.0	12.26
		68.6	205.8	15.69	196.3	15.31	189.0	14.76	185.0	14.15	176.2	13.53	168.0	12.31
	50	18.3	201.6	13.59	194.4	13.29	189.0	12.88	185.0	12.45	176.2	11.83	168.0	10.82
		22.9	202.0	13.65	194.6	13.33	189.0	12.91	185.0	12.46	176.2	11.84	168.0	10.83
		45.7	203.9	13.91	195.7	13.50	189.0	13.07	185.0	12.53	176.2	11.89	168.0	10.88
		57.1	205.3	13.86	196.5	13.50	189.0	13.03	185.0	12.50	176.2	11.86	168.0	10.83
		68.6	206.0	13.83	197.0	13.50	189.0	13.02	185.0	12.48	176.2	11.84	168.0	10.81
	59	18.3	202.6	11.98	195.2	11.78	189.0	11.52	185.0	11.24	176.2	10.58	168.0	9.78
		22.9	202.9	12.04	195.3	11.79	189.0	11.52	185.0	11.20	176.2	10.55	168.0	9.74
		45.7	203.9	12.27	195.8	11.82	189.0	11.52	185.0	11.03	176.2	10.40	168.0	9.57
		57.1	205.7	12.07	196.9	11.72	189.0	11.36	185.0	10.88	176.2	10.22	168.0	9.42
		68.6	206.6	11.98	197.4	11.67	189.0	11.29	185.0	10.81	176.2	10.14	168.0	9.34
	68	18.3	203.7	10.24	196.2	9.98	189.0	9.74	185.0	9.61	176.2	8.98	168.0	8.53
		22.9	204.4	10.29	196.4	10.00	189.0	9.74	185.0	9.57	176.2	8.93	168.0	8.45
		45.7	207.4	10.48	196.9	10.03	189.0	9.74	185.0	9.42	176.2	8.77	168.0	8.12
		57.1	208.7	10.29	198.6	9.94	189.0	9.57	185.0	9.26	176.2	8.60	168.0	7.96
		68.6	209.3	10.20	199.5	9.90	189.0	9.48	185.0	9.17	176.2	8.51	168.0	7.88
	77	18.3	206.2	8.96	199.3	8.67	189.0	8.32	185.0	8.00	176.2	7.52	168.0	6.82
		22.9	206.9	8.97	199.3	8.63	189.0	8.28	185.0	7.96	176.2	7.47	168.0	6.82
		45.7	210.0	9.00	199.3	8.45	189.0	8.12	185.0	7.79	176.2	7.31	168.0	6.82
		57.1	211.0	8.80	199.3	8.38	189.0	7.96	185.0	7.62	176.2	7.31	168.0	6.65
		68.6	211.5	8.70	199.3	8.34	189.0	7.88	185.0	7.54	176.2	7.31	168.0	6.57
	86	18.3	211.0	8.15	199.3	7.52	189.0	7.00	185.0	6.86	176.2	6.33	168.0	6.05
		22.9	211.0	8.12	199.3	7.47	189.0	6.98	185.0	6.82	176.2	6.33	168.0	6.01
		45.7	211.0	7.96	199.3	7.31	189.0	6.92	185.0	6.65	176.2	6.33	168.0	5.84
		57.1	211.0	7.79	199.3	7.31	189.0	6.82	185.0	6.65	176.2	6.17	168.0	5.84
		68.6	211.0	7.71	199.3	7.31	189.0	6.77	185.0	6.65	176.2	6.08	168.0	5.84
	95	18.3	211.0	7.55	199.3	6.90	189.0	6.18	185.0	6.05	176.2	5.71	168.0	5.23
		22.9	211.0	7.47	199.3	6.82	189.0	6.17	185.0	6.01	176.2	5.67	168.0	5.19
		45.7	211.0	7.14	199.3	6.50	189.0	6.10	185.0	5.84	176.2	5.52	168.0	5.04
		57.1	211.0	7.14	199.3	6.50	189.0	6.01	185.0	5.84	176.2	5.52	168.0	5.04
		68.6	211.0	7.14	199.3	6.50	189.0	5.97	185.0	5.84	176.2	5.52	168.0	5.04
	104	18.3	211.0	7.07	199.3	6.41	189.0	5.54	185.0	5.40	176.2	5.08	168.0	4.74
		22.9	211.0	6.98	199.3	6.33	189.0	5.52	185.0	5.36	176.2	5.04	168.0	4.70
		45.7	211.0	6.65	199.3	6.01	189.0	5.46	185.0	5.19	176.2	4.88	168.0	4.55
		57.1	211.0	6.50	199.3	6.01	189.0	5.36	185.0	5.19	176.2	4.88	168.0	4.55
		68.6	211.0	6.43	199.3	6.01	189.0	5.31	185.0	5.19	176.2	4.88	168.0	4.55
	113	18.3	211.0	6.58	199.3	5.93	189.0	4.88	185.0	4.74	176.2	4.43	168.0	4.26
		22.9	211.0	6.50	199.3	5.84	189.0	4.88	185.0	4.70	176.2	4.38	168.0	4.22
		45.7	211.0	6.17	199.3	5.52	189.0	4.81	185.0	4.55	176.2	4.22	168.0	4.07
		57.1	211.0	5.84	199.3	5.52	189.0	4.70	185.0	4.55	176.2	4.22	168.0	4.07
		68.6	211.0	5.69	199.3	5.52	189.0	4.65	185.0	4.55	176.2	4.22	168.0	4.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	18.3	71.7	9.59	69.5	8.74	67.5	7.67	67.0	7.31	66.5	7.05	65.3	6.33
		22.9	74.2	9.76	71.9	8.90	69.8	7.84	69.3	7.47	68.8	7.21	67.5	6.46
		45.7	84.0	10.41	81.4	9.55	78.9	8.52	78.4	8.12	77.9	7.83	76.3	7.02
		57.1	92.8	11.07	89.8	10.22	87.2	9.19	86.5	8.75	85.9	8.43	84.4	7.57
		68.6	97.3	11.40	94.1	10.57	91.4	9.52	90.6	9.07	90.1	8.74	88.5	7.86
	32	18.3	128.3	13.07	122.3	12.26	116.7	11.26	115.0	10.74	113.1	10.33	108.9	9.28
		22.9	129.0	13.10	123.0	12.29	117.4	11.29	115.7	10.76	113.8	10.36	109.5	9.31
		45.7	132.0	13.24	125.8	12.43	120.2	11.40	118.3	10.88	116.4	10.48	112.2	9.41
		57.1	134.0	13.24	127.8	12.43	122.2	11.40	120.1	10.88	118.3	10.48	113.9	9.41
		68.6	134.9	13.24	128.8	12.43	123.2	11.40	120.9	10.88	119.3	10.48	114.8	9.41
	41	18.3	181.3	14.03	175.4	13.24	169.8	12.25	166.3	11.67	158.9	11.24	151.4	10.09
		22.9	181.5	14.09	175.3	13.30	169.8	12.31	166.3	11.74	158.9	11.31	151.4	10.14
		45.7	182.2	14.34	174.8	13.55	169.8	12.55	166.3	11.98	158.9	11.53	151.4	10.34
		57.1	183.2	14.43	175.3	13.64	169.8	12.65	166.3	12.05	158.9	11.62	151.4	10.43
		68.6	183.7	14.47	175.5	13.67	169.8	12.69	166.3	12.10	158.9	11.67	151.4	10.47
	50	18.3	182.2	12.38	176.0	11.77	169.8	11.09	166.3	10.64	158.9	10.20	151.4	9.19
		22.9	182.2	12.39	175.8	11.79	169.8	11.10	166.3	10.65	158.9	10.19	151.4	9.20
		45.7	181.8	12.43	175.0	11.84	169.8	11.15	166.3	10.70	158.9	10.16	151.4	9.24
		57.1	183.0	12.39	175.5	11.81	169.8	11.12	166.3	10.67	158.9	10.19	151.4	9.27
		68.6	183.6	12.38	175.7	11.79	169.8	11.10	166.3	10.65	158.9	10.21	151.4	9.29
	59	18.3	183.2	10.72	176.6	10.34	169.8	9.95	166.3	9.61	158.9	9.17	151.4	8.32
		22.9	182.9	10.68	176.4	10.29	169.8	9.91	166.3	9.57	158.9	9.08	151.4	8.28
		45.7	181.6	10.51	175.1	10.12	169.8	9.74	166.3	9.42	158.9	8.77	151.4	8.12
		57.1	182.9	10.36	175.7	9.98	169.8	9.57	166.3	9.26	158.9	8.77	151.4	8.12
		68.6	183.4	10.29	175.9	9.90	169.8	9.48	166.3	9.17	158.9	8.77	151.4	8.12
	68	18.3	184.3	9.05	177.4	8.79	169.8	8.48	166.3	8.15	158.9	7.88	151.4	7.38
		22.9	184.1	9.05	177.1	8.77	169.8	8.45	166.3	8.12	158.9	7.79	151.4	7.31
		45.7	183.4	9.05	175.7	8.67	169.8	8.28	166.3	7.96	158.9	7.47	151.4	6.98
		57.1	183.9	8.90	176.2	8.60	169.8	8.28	166.3	7.96	158.9	7.47	151.4	6.98
		68.6	184.1	8.83	176.4	8.57	169.8	8.28	166.3	7.96	158.9	7.47	151.4	6.98
	77	18.3	187.3	7.91	179.7	7.49	169.8	7.17	166.3	6.82	158.9	6.54	151.4	6.05
		22.9	187.8	7.89	179.7	7.47	169.8	7.14	166.3	6.82	158.9	6.50	151.4	6.01
		45.7	189.5	7.83	179.7	7.41	169.8	6.98	166.3	6.82	158.9	6.33	151.4	5.84
		57.1	190.2	7.62	179.7	7.24	169.8	6.98	166.3	6.65	158.9	6.33	151.4	5.84
		68.6	190.6	7.52	179.7	7.15	169.8	6.98	166.3	6.57	158.9	6.33	151.4	5.84
	86	18.3	190.2	7.17	179.7	6.69	169.8	6.20	166.3	6.05	158.9	5.71	151.4	5.19
		22.9	190.2	7.14	179.7	6.65	169.8	6.17	166.3	6.01	158.9	5.67	151.4	5.19
		45.7	190.2	6.98	179.7	6.50	169.8	6.01	166.3	5.84	158.9	5.52	151.4	5.19
		57.1	190.2	6.82	179.7	6.33	169.8	6.01	166.3	5.84	158.9	5.52	151.4	5.04
		68.6	190.2	6.74	179.7	6.24	169.8	6.01	166.3	5.84	158.9	5.52	151.4	4.96
	95	18.3	190.2	6.54	179.7	6.05	169.8	5.57	166.3	5.40	158.9	5.08	151.4	4.74
		22.9	190.2	6.50	179.7	6.01	169.8	5.52	166.3	5.36	158.9	5.04	151.4	4.70
		45.7	190.2	6.33	179.7	5.84	169.8	5.36	166.3	5.19	158.9	4.88	151.4	4.55
		57.1	190.2	6.17	179.7	5.67	169.8	5.19	166.3	5.04	158.9	4.88	151.4	4.55
		68.6	190.2	6.08	179.7	5.59	169.8	5.10	166.3	4.96	158.9	4.88	151.4	4.55
	104	18.3	190.2	6.10	179.7	5.57	169.8	4.91	166.3	4.74	158.9	4.59	151.4	4.26
		22.9	190.2	6.01	179.7	5.52	169.8	4.88	166.3	4.70	158.9	4.55	151.4	4.22
		45.7	190.2	5.67	179.7	5.36	169.8	4.70	166.3	4.55	158.9	4.38	151.4	4.07
		57.1	190.2	5.67	179.7	5.36	169.8	4.70	166.3	4.55	158.9	4.38	151.4	4.07
		68.6	190.2	5.67	179.7	5.36	169.8	4.70	166.3	4.55	158.9	4.38	151.4	4.07
	113	18.3	190.2	5.65	179.7	5.08	169.8	4.26	166.3	4.10	158.9	4.10	151.4	3.76
		22.9	190.2	5.52	179.7	5.04	169.8	4.22	166.3	4.07	158.9	4.07	151.4	3.73
		45.7	190.2	5.04	179.7	4.88	169.8	4.07	166.3	3.90	158.9	3.90	151.4	3.57
		57.1	190.2	5.19	179.7	5.04	169.8	4.22	166.3	4.07	158.9	3.90	151.4	3.57
		68.6	190.2	5.26	179.7	5.12	169.8	4.29	166.3	4.15	158.9	3.90	151.4	3.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	18.3	67.9	6.83	63.5	6.57	60.2	6.29	59.5	6.08	59.1	5.80	57.9	5.34
		22.9	70.2	6.98	65.8	6.72	62.3	6.43	61.6	6.21	61.2	5.93	60.0	5.46
		45.7	79.3	7.59	74.4	7.29	70.3	6.97	69.6	6.74	69.3	6.43	67.9	5.91
		57.1	87.7	8.17	82.1	7.86	77.7	7.52	76.8	7.27	76.5	6.93	74.9	6.38
		68.6	92.0	8.48	86.0	8.15	81.4	7.81	80.5	7.55	80.1	7.19	78.4	6.62
	32	18.3	121.1	10.03	111.7	9.62	104.0	9.22	102.0	8.91	100.6	8.48	96.8	7.82
		22.9	121.8	10.06	112.3	9.65	104.6	9.26	102.7	8.93	101.3	8.52	97.4	7.84
		45.7	124.8	10.17	115.0	9.77	107.1	9.36	105.2	9.03	103.8	8.62	99.7	7.93
		57.1	126.6	10.17	116.7	9.77	108.8	9.36	106.7	9.03	105.3	8.62	101.3	7.93
		68.6	127.4	10.17	117.6	9.77	109.7	9.36	107.5	9.03	106.1	8.62	102.0	7.93
	41	18.3	167.5	10.91	158.1	10.50	151.2	10.02	147.9	9.69	141.6	9.24	134.5	8.50
		22.9	167.9	10.96	158.4	10.55	151.2	10.07	147.9	9.74	141.6	9.29	134.5	8.55
		45.7	169.3	11.20	159.6	10.74	151.4	10.29	147.9	9.94	141.6	9.47	134.5	8.74
		57.1	169.3	11.27	159.4	10.83	151.4	10.36	147.9	10.01	141.6	9.54	134.5	8.78
		68.6	169.3	11.31	159.4	10.88	151.4	10.40	147.9	10.05	141.6	9.57	134.5	8.81
	50	18.3	168.4	10.04	158.7	9.58	151.2	9.10	147.9	8.84	141.6	8.38	134.5	7.76
		22.9	168.6	10.03	158.9	9.57	151.2	9.10	147.9	8.85	141.6	8.38	134.5	7.76
		45.7	169.3	9.98	159.6	9.52	151.4	9.12	147.9	8.86	141.6	8.40	134.5	7.77
		57.1	169.3	9.94	159.4	9.55	151.4	9.15	147.9	8.81	141.6	8.34	134.5	7.72
		68.6	169.3	9.93	159.4	9.57	151.4	9.17	147.9	8.79	141.6	8.32	134.5	7.70
	59	18.3	169.3	9.17	159.4	8.67	151.4	8.15	147.9	8.00	141.6	7.52	134.5	7.03
		22.9	169.3	9.08	159.4	8.60	151.4	8.12	147.9	7.96	141.6	7.47	134.5	6.98
		45.7	169.3	8.77	159.4	8.28	151.4	7.96	147.9	7.79	141.6	7.31	134.5	6.82
		57.1	169.3	8.60	159.4	8.28	151.4	7.96	147.9	7.62	141.6	7.14	134.5	6.65
		68.6	169.3	8.51	159.4	8.28	151.4	7.96	147.9	7.54	141.6	7.05	134.5	6.57
	68	18.3	169.3	7.66	159.4	7.35	151.4	6.98	147.9	6.86	141.6	6.54	134.5	6.05
		22.9	169.3	7.62	159.4	7.31	151.4	6.98	147.9	6.82	141.6	6.50	134.5	6.01
		45.7	169.3	7.47	159.4	7.14	151.4	6.98	147.9	6.65	141.6	6.33	134.5	5.84
		57.1	169.3	7.31	159.4	6.98	151.4	6.82	147.9	6.65	141.6	6.17	134.5	5.84
		68.6	169.3	7.22	159.4	6.91	151.4	6.74	147.9	6.65	141.6	6.08	134.5	5.84
	77	18.3	169.3	6.86	159.4	6.38	151.4	6.01	147.9	5.88	141.6	5.57	134.5	5.23
		22.9	169.3	6.82	159.4	6.33	151.4	6.01	147.9	5.84	141.6	5.52	134.5	5.19
		45.7	169.3	6.65	159.4	6.17	151.4	6.01	147.9	5.67	141.6	5.36	134.5	5.04
		57.1	169.3	6.50	159.4	6.17	151.4	5.84	147.9	5.67	141.6	5.36	134.5	5.04
		68.6	169.3	6.43	159.4	6.17	151.4	5.76	147.9	5.67	141.6	5.36	134.5	5.04
	86	18.3	169.3	6.05	159.4	5.71	151.4	5.40	147.9	5.23	141.6	4.91	134.5	4.59
		22.9	169.3	6.01	159.4	5.67	151.4	5.36	147.9	5.19	141.6	4.88	134.5	4.55
		45.7	169.3	5.84	159.4	5.52	151.4	5.19	147.9	5.04	141.6	4.70	134.5	4.38
		57.1	169.3	5.84	159.4	5.52	151.4	5.19	147.9	5.04	141.6	4.70	134.5	4.38
		68.6	169.3	5.84	159.4	5.52	151.4	5.19	147.9	5.04	141.6	4.70	134.5	4.38
	95	18.3	169.3	5.57	159.4	5.23	151.4	4.74	147.9	4.55	141.6	4.43	134.5	4.07
		22.9	169.3	5.52	159.4	5.19	151.4	4.70	147.9	4.55	141.6	4.38	134.5	4.07
		45.7	169.3	5.36	159.4	5.04	151.4	4.55	147.9	4.55	141.6	4.22	134.5	4.07
		57.1	169.3	5.36	159.4	4.88	151.4	4.55	147.9	4.38	141.6	4.22	134.5	3.90
		68.6	169.3	5.36	159.4	4.79	151.4	4.55	147.9	4.29	141.6	4.22	134.5	3.81
	104	18.3	169.3	5.27	159.4	4.74	151.4	4.22	147.9	4.26	141.6	3.90	134.5	3.76
		22.9	169.3	5.19	159.4	4.70	151.4	4.22	147.9	4.22	141.6	3.90	134.5	3.73
		45.7	169.3	4.88	159.4	4.55	151.4	4.22	147.9	4.07	141.6	3.90	134.5	3.57
		57.1	169.3	4.88	159.4	4.55	151.4	4.07	147.9	4.07	141.6	3.90	134.5	3.57
		68.6	169.3	4.88	159.4	4.55	151.4	3.98	147.9	4.07	141.6	3.90	134.5	3.57
	113	18.3	169.3	5.00	159.4	4.26	151.4	3.69	147.9	3.98	141.6	3.36	134.5	3.49
		22.9	169.3	4.88	159.4	4.22	151.4	3.73	147.9	3.90	141.6	3.41	134.5	3.41
		45.7	169.3	4.38	159.4	4.07	151.4	3.90	147.9	3.57	141.6	3.57	134.5	3.09
		57.1	169.3	4.38	159.4	4.22	151.4	3.57	147.9	3.73	141.6	3.57	134.5	3.24
		68.6	169.3	4.38	159.4	4.29	151.4	3.41	147.9	3.81	141.6	3.57	134.5	3.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	18.3	59.1	5.86	55.6	5.59	52.5	5.41	52.0	5.10	51.6	4.91	50.8	4.47
		22.9	61.2	6.00	57.5	5.71	54.3	5.52	53.8	5.21	53.4	5.02	52.5	4.57
		45.7	69.3	6.50	65.1	6.19	61.4	6.00	60.9	5.64	60.5	5.44	59.5	4.95
		57.1	76.7	7.02	71.9	6.69	67.9	6.46	67.4	6.08	66.8	5.88	65.6	5.34
		68.6	80.3	7.28	75.4	6.93	71.2	6.70	70.7	6.30	70.0	6.10	68.6	5.53
	32	18.3	105.9	8.59	97.8	8.19	90.9	7.91	89.3	7.45	87.9	7.20	84.7	6.55
		22.9	106.6	8.62	98.5	8.21	91.4	7.95	89.8	7.47	88.4	7.22	85.2	6.57
		45.7	109.0	8.72	100.8	8.29	93.5	8.05	91.9	7.55	90.5	7.31	87.2	6.64
		57.1	110.6	8.72	102.4	8.29	95.0	8.05	93.3	7.55	91.9	7.31	88.6	6.64
		68.6	111.3	8.72	103.1	8.29	95.7	8.05	94.1	7.55	92.6	7.31	89.3	6.64
	41	18.3	146.3	9.36	138.6	8.91	132.0	8.62	129.2	8.12	123.4	7.83	117.6	7.12
		22.9	146.6	9.41	138.9	8.95	132.0	8.67	129.2	8.16	123.4	7.88	117.6	7.15
		45.7	147.9	9.59	140.0	9.14	132.2	8.85	129.2	8.31	123.4	8.05	117.6	7.31
		57.1	147.9	9.65	139.8	9.20	132.2	8.91	129.2	8.38	123.4	8.10	117.6	7.36
		68.6	147.9	9.69	139.7	9.24	132.2	8.95	129.2	8.41	123.4	8.12	117.6	7.38
	50	18.3	147.0	8.62	139.1	8.14	132.2	7.84	129.2	7.41	123.4	7.10	117.6	6.50
		22.9	147.2	8.60	139.3	8.12	132.2	7.83	129.2	7.41	123.4	7.10	117.6	6.50
		45.7	147.9	8.53	139.8	8.06	132.2	7.76	129.2	7.41	123.4	7.10	117.6	6.50
		57.1	147.9	8.57	139.8	8.10	132.2	7.79	129.2	7.44	123.4	7.05	117.6	6.52
		68.6	147.9	8.58	139.8	8.12	132.2	7.81	129.2	7.46	123.4	7.03	117.6	6.52
	59	18.3	147.9	7.88	139.8	7.38	132.2	7.07	129.2	6.69	123.4	6.38	117.6	5.88
		22.9	147.9	7.79	139.8	7.31	132.2	6.98	129.2	6.65	123.4	6.33	117.6	5.84
		45.7	147.9	7.47	139.8	6.98	132.2	6.65	129.2	6.50	123.4	6.17	117.6	5.67
		57.1	147.9	7.47	139.8	6.98	132.2	6.65	129.2	6.50	123.4	6.01	117.6	5.67
		68.6	147.9	7.47	139.8	6.98	132.2	6.65	129.2	6.50	123.4	5.93	117.6	5.67
	68	18.3	147.9	6.54	139.8	6.20	132.2	6.05	129.2	5.88	123.4	5.57	117.6	5.23
		22.9	147.9	6.50	139.8	6.17	132.2	6.01	129.2	5.84	123.4	5.52	117.6	5.19
		45.7	147.9	6.33	139.8	6.01	132.2	5.84	129.2	5.67	123.4	5.36	117.6	5.04
		57.1	147.9	6.33	139.8	6.01	132.2	5.84	129.2	5.52	123.4	5.36	117.6	4.88
		68.6	147.9	6.33	139.8	6.01	132.2	5.84	129.2	5.45	123.4	5.36	117.6	4.79
	77	18.3	147.9	5.88	139.8	5.57	132.2	5.23	129.2	5.08	123.4	4.70	117.6	4.38
		22.9	147.9	5.84	139.8	5.52	132.2	5.19	129.2	5.04	123.4	4.70	117.6	4.38
		45.7	147.9	5.67	139.8	5.36	132.2	5.04	129.2	4.88	123.4	4.70	117.6	4.38
		57.1	147.9	5.52	139.8	5.19	132.2	5.04	129.2	4.88	123.4	4.55	117.6	4.38
		68.6	147.9	5.45	139.8	5.10	132.2	5.04	129.2	4.88	123.4	4.48	117.6	4.38
	86	18.3	147.9	5.23	139.8	4.91	132.2	4.59	129.2	4.38	123.4	4.26	117.6	3.90
		22.9	147.9	5.19	139.8	4.88	132.2	4.55	129.2	4.38	123.4	4.22	117.6	3.90
		45.7	147.9	5.04	139.8	4.70	132.2	4.38	129.2	4.38	123.4	4.07	117.6	3.90
		57.1	147.9	5.04	139.8	4.70	132.2	4.38	129.2	4.22	123.4	4.07	117.6	3.90
		68.6	147.9	5.04	139.8	4.70	132.2	4.38	129.2	4.13	123.4	4.07	117.6	3.90
	95	18.3	147.9	4.74	139.8	4.43	132.2	4.07	129.2	4.10	123.4	3.73	117.6	3.62
		22.9	147.9	4.70	139.8	4.38	132.2	4.07	129.2	4.07	123.4	3.73	117.6	3.57
		45.7	147.9	4.55	139.8	4.22	132.2	4.07	129.2	3.90	123.4	3.73	117.6	3.41
		57.1	147.9	4.55	139.8	4.22	132.2	3.90	129.2	3.90	123.4	3.73	117.6	3.41
		68.6	147.9	4.55	139.8	4.22	132.2	3.81	129.2	3.90	123.4	3.73	117.6	3.41
	104	18.3	147.9	4.43	139.8	4.10	132.2	3.76	129.2	3.57	123.4	3.41	117.6	3.28
		22.9	147.9	4.38	139.8	4.07	132.2	3.73	129.2	3.57	123.4	3.41	117.6	3.24
		45.7	147.9	4.22	139.8	3.90	132.2	3.57	129.2	3.57	123.4	3.41	117.6	3.09
		57.1	147.9	4.22	139.8	3.90	132.2	3.57	129.2	3.41	123.4	3.24	117.6	3.09
		68.6	147.9	4.22	139.8	3.90	132.2	3.57	129.2	3.33	123.4	3.16	117.6	3.09
	113	18.3	147.9	4.10	139.8	3.76	132.2	3.49	129.2	3.05	123.4	3.09	117.6	2.96
		22.9	147.9	4.07	139.8	3.73	132.2	3.41	129.2	3.09	123.4	3.09	117.6	2.93
		45.7	147.9	3.90	139.8	3.57	132.2	3.09	129.2	3.24	123.4	3.09	117.6	2.76
		57.1	147.9	3.90	139.8	3.57	132.2	3.24	129.2	2.93	123.4	2.76	117.6	2.76
		68.6	147.9	3.90	139.8	3.57	132.2	3.31	129.2	2.76	123.4	2.59	117.6	2.76

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	18.3	50.8	4.76	47.6	4.58	45.0	4.40	44.5	4.09	44.3	4.02	43.5	3.60
		22.9	52.5	4.88	49.2	4.69	46.6	4.50	46.0	4.19	45.9	4.12	45.0	3.67
		45.7	59.6	5.29	55.7	5.09	52.7	4.88	52.2	4.53	52.0	4.47	51.0	4.00
		57.1	65.8	5.69	61.6	5.50	58.4	5.27	57.7	4.90	57.5	4.82	56.2	4.30
		68.6	68.8	5.90	64.4	5.69	61.2	5.47	60.4	5.09	60.2	5.00	59.0	4.45
	32	18.3	90.9	6.98	83.7	6.74	78.1	6.45	76.5	6.00	75.5	5.91	72.8	5.28
		22.9	91.4	7.00	84.2	6.75	78.6	6.46	77.0	6.01	76.0	5.93	73.1	5.29
		45.7	93.5	7.09	86.1	6.82	80.5	6.55	78.8	6.08	77.7	6.00	74.7	5.34
		57.1	95.0	7.09	87.5	6.82	81.7	6.55	80.0	6.08	78.9	6.00	76.0	5.34
		68.6	95.7	7.09	88.2	6.82	82.4	6.55	80.6	6.08	79.6	6.00	76.6	5.34
	41	18.3	125.6	7.60	118.5	7.31	113.6	7.02	110.8	6.53	106.0	6.43	101.0	5.73
		22.9	125.8	7.64	118.7	7.36	113.6	7.05	110.8	6.57	106.0	6.46	101.0	5.76
		45.7	126.9	7.79	119.5	7.50	113.6	7.21	110.8	6.70	106.0	6.60	101.0	5.88
		57.1	126.9	7.86	119.4	7.55	113.6	7.26	110.8	6.75	106.0	6.64	101.0	5.93
		68.6	126.9	7.89	119.3	7.58	113.6	7.28	110.8	6.78	106.0	6.65	101.0	5.95
	50	18.3	126.3	6.98	118.9	6.69	113.6	6.36	110.8	5.95	106.0	5.83	101.0	5.22
		22.9	126.4	6.98	119.0	6.69	113.6	6.36	110.8	5.96	106.0	5.83	101.0	5.24
		45.7	126.9	6.98	119.5	6.69	113.6	6.36	110.8	6.03	106.0	5.81	101.0	5.29
		57.1	126.9	7.00	119.4	6.62	113.6	6.29	110.8	5.96	106.0	5.76	101.0	5.24
		68.6	126.9	7.01	119.3	6.58	113.6	6.26	110.8	5.93	106.0	5.74	101.0	5.21
	59	18.3	126.9	6.38	119.4	6.05	113.6	5.71	110.8	5.36	106.0	5.23	101.0	4.70
		22.9	126.9	6.33	119.4	6.01	113.6	5.67	110.8	5.36	106.0	5.19	101.0	4.70
		45.7	126.9	6.17	119.4	5.84	113.6	5.52	110.8	5.36	106.0	5.04	101.0	4.70
		57.1	126.9	6.17	119.4	5.67	113.6	5.36	110.8	5.19	106.0	4.88	101.0	4.55
		68.6	126.9	6.17	119.4	5.59	113.6	5.27	110.8	5.10	106.0	4.79	101.0	4.48
	68	18.3	126.9	5.57	119.4	5.23	113.6	4.91	110.8	4.74	106.0	4.59	101.0	4.26
		22.9	126.9	5.52	119.4	5.19	113.6	4.88	110.8	4.70	106.0	4.55	101.0	4.22
		45.7	126.9	5.36	119.4	5.04	113.6	4.70	110.8	4.55	106.0	4.38	101.0	4.07
		57.1	126.9	5.36	119.4	5.04	113.6	4.70	110.8	4.55	106.0	4.38	101.0	4.07
		68.6	126.9	5.36	119.4	5.04	113.6	4.70	110.8	4.55	106.0	4.38	101.0	4.07
	77	18.3	126.9	4.91	119.4	4.59	113.6	4.22	110.8	4.26	106.0	3.90	101.0	3.76
		22.9	126.9	4.88	119.4	4.55	113.6	4.22	110.8	4.22	106.0	3.90	101.0	3.73
		45.7	126.9	4.70	119.4	4.38	113.6	4.22	110.8	4.07	106.0	3.90	101.0	3.57
		57.1	126.9	4.70	119.4	4.38	113.6	4.07	110.8	4.07	106.0	3.90	101.0	3.57
		68.6	126.9	4.70	119.4	4.38	113.6	3.98	110.8	4.07	106.0	3.90	101.0	3.57
	86	18.3	126.9	4.43	119.4	4.10	113.6	3.93	110.8	3.76	106.0	3.62	101.0	3.45
		22.9	126.9	4.38	119.4	4.07	113.6	3.90	110.8	3.73	106.0	3.57	101.0	3.41
		45.7	126.9	4.22	119.4	3.90	113.6	3.73	110.8	3.57	106.0	3.41	101.0	3.24
		57.1	126.9	4.22	119.4	3.90	113.6	3.73	110.8	3.57	106.0	3.41	101.0	3.24
		68.6	126.9	4.22	119.4	3.90	113.6	3.73	110.8	3.57	106.0	3.41	101.0	3.24
	95	18.3	126.9	3.90	119.4	3.76	113.6	3.41	110.8	3.45	106.0	3.28	101.0	3.14
		22.9	126.9	3.90	119.4	3.73	113.6	3.41	110.8	3.41	106.0	3.24	101.0	3.09
		45.7	126.9	3.90	119.4	3.57	113.6	3.41	110.8	3.24	106.0	3.09	101.0	2.93
		57.1	126.9	3.90	119.4	3.57	113.6	3.24	110.8	3.24	106.0	3.09	101.0	2.93
		68.6	126.9	3.90	119.4	3.57	113.6	3.16	110.8	3.24	106.0	3.09	101.0	2.93
	104	18.3	126.9	3.57	119.4	3.45	113.6	3.09	110.8	3.14	106.0	2.96	101.0	2.76
		22.9	126.9	3.57	119.4	3.41	113.6	3.09	110.8	3.09	106.0	2.93	101.0	2.76
		45.7	126.9	3.57	119.4	3.24	113.6	3.09	110.8	2.93	106.0	2.76	101.0	2.76
		57.1	126.9	3.57	119.4	3.24	113.6	3.09	110.8	2.93	106.0	2.76	101.0	2.76
		68.6	126.9	3.57	119.4	3.24	113.6	3.09	110.8	2.93	106.0	2.76	101.0	2.76
	113	18.3	126.9	3.24	119.4	3.14	113.6	2.76	110.8	2.79	106.0	2.64	101.0	2.39
		22.9	126.9	3.24	119.4	3.09	113.6	2.76	110.8	2.76	106.0	2.60	101.0	2.43
		45.7	126.9	3.24	119.4	2.93	113.6	2.76	110.8	2.60	106.0	2.43	101.0	2.60
		57.1	126.9	3.24	119.4	2.93	113.6	2.93	110.8	2.60	106.0	2.43	101.0	2.60
		68.6	126.9	3.24	119.4	2.93	113.6	3.00	110.8	2.60	106.0	2.43	101.0	2.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168BAS4, ARWB168BAS4

168,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	18.3	42.4	3.80	39.8	3.60	37.6	3.40	37.1	3.22	36.9	3.02	36.2	2.86
		22.9	43.8	3.88	41.1	3.67	38.9	3.48	38.3	3.29	38.2	3.09	37.4	2.93
		45.7	49.4	4.20	46.4	4.00	43.9	3.76	43.4	3.57	43.2	3.36	42.4	3.16
		57.1	54.6	4.53	51.3	4.30	48.5	4.07	48.0	3.86	47.6	3.61	46.9	3.41
		68.6	57.4	4.71	53.9	4.45	50.8	4.22	50.3	4.00	49.9	3.74	49.2	3.53
	32	18.3	75.5	5.57	70.0	5.28	65.0	4.97	63.6	4.72	62.7	4.43	60.5	4.19
		22.9	76.0	5.57	70.3	5.29	65.4	4.98	64.0	4.74	63.2	4.45	60.9	4.20
		45.7	77.7	5.62	71.9	5.34	67.0	5.05	65.6	4.81	64.7	4.50	62.3	4.24
		57.1	78.9	5.62	73.0	5.34	67.9	5.05	66.7	4.81	65.6	4.50	63.3	4.24
		68.6	79.6	5.62	73.5	5.34	68.3	5.05	67.2	4.81	66.0	4.50	63.9	4.24
	41	18.3	104.3	6.05	99.0	5.73	94.3	5.41	92.1	5.15	88.0	4.83	84.0	4.54
		22.9	104.6	6.08	99.2	5.76	94.4	5.44	92.1	5.17	88.0	4.86	84.0	4.57
		45.7	105.5	6.19	99.9	5.88	94.6	5.55	92.1	5.27	88.0	4.93	84.0	4.67
		57.1	105.5	6.24	99.7	5.93	94.6	5.59	92.1	5.31	88.0	4.98	84.0	4.70
		68.6	105.5	6.27	99.6	5.95	94.6	5.61	92.1	5.33	88.0	5.02	84.0	4.72
	50	18.3	105.0	5.57	99.2	5.24	94.3	4.93	92.1	4.71	88.0	4.36	84.0	4.16
		22.9	105.2	5.55	99.4	5.24	94.4	4.92	92.1	4.70	88.0	4.36	84.0	4.15
		45.7	105.5	5.52	99.9	5.22	94.6	4.88	92.1	4.67	88.0	4.41	84.0	4.12
		57.1	105.5	5.55	99.7	5.24	94.6	4.90	92.1	4.69	88.0	4.35	84.0	4.13
		68.6	105.5	5.57	99.6	5.24	94.6	4.91	92.1	4.69	88.0	4.31	84.0	4.14
	59	18.3	105.5	5.08	99.7	4.74	94.6	4.43	92.1	4.26	88.0	3.90	84.0	3.76
		22.9	105.5	5.04	99.7	4.70	94.6	4.38	92.1	4.22	88.0	3.90	84.0	3.73
		45.7	105.5	4.88	99.7	4.55	94.6	4.22	92.1	4.07	88.0	3.90	84.0	3.57
		57.1	105.5	4.88	99.7	4.55	94.6	4.22	92.1	4.07	88.0	3.73	84.0	3.57
		68.6	105.5	4.88	99.7	4.55	94.6	4.22	92.1	4.07	88.0	3.64	84.0	3.57
	68	18.3	105.5	4.43	99.7	4.10	94.6	3.93	92.1	3.76	88.0	3.62	84.0	3.24
		22.9	105.5	4.38	99.7	4.07	94.6	3.90	92.1	3.73	88.0	3.57	84.0	3.24
		45.7	105.5	4.22	99.7	3.90	94.6	3.73	92.1	3.57	88.0	3.41	84.0	3.24
		57.1	105.5	4.22	99.7	3.90	94.6	3.73	92.1	3.57	88.0	3.41	84.0	3.24
		68.6	105.5	4.22	99.7	3.90	94.6	3.73	92.1	3.57	88.0	3.41	84.0	3.24
	77	18.3	105.5	3.93	99.7	3.57	94.6	3.45	92.1	3.24	88.0	3.09	84.0	2.93
		22.9	105.5	3.90	99.7	3.57	94.6	3.41	92.1	3.24	88.0	3.09	84.0	2.93
		45.7	105.5	3.73	99.7	3.57	94.6	3.24	92.1	3.24	88.0	3.09	84.0	2.93
		57.1	105.5	3.73	99.7	3.57	94.6	3.24	92.1	3.24	88.0	3.09	84.0	2.93
		68.6	105.5	3.73	99.7	3.57	94.6	3.24	92.1	3.24	88.0	3.09	84.0	2.93
	86	18.3	105.5	3.62	99.7	3.28	94.6	3.14	92.1	2.93	88.0	2.96	84.0	2.79
		22.9	105.5	3.57	99.7	3.24	94.6	3.09	92.1	2.93	88.0	2.93	84.0	2.76
		45.7	105.5	3.41	99.7	3.09	94.6	2.93	92.1	2.93	88.0	2.76	84.0	2.60
		57.1	105.5	3.41	99.7	3.09	94.6	2.93	92.1	2.93	88.0	2.76	84.0	2.60
		68.6	105.5	3.41	99.7	3.09	94.6	2.93	92.1	2.93	88.0	2.76	84.0	2.60
	95	18.3	105.5	3.28	99.7	2.93	94.6	2.76	92.1	2.79	88.0	2.60	84.0	2.43
		22.9	105.5	3.24	99.7	2.93	94.6	2.76	92.1	2.76	88.0	2.60	84.0	2.43
		45.7	105.5	3.09	99.7	2.93	94.6	2.76	92.1	2.60	88.0	2.60	84.0	2.43
		57.1	105.5	3.09	99.7	2.93	94.6	2.76	92.1	2.60	88.0	2.60	84.0	2.43
		68.6	105.5	3.09	99.7	2.93	94.6	2.76	92.1	2.60	88.0	2.60	84.0	2.43
	104	18.3	105.5	2.96	99.7	2.79	94.6	2.64	92.1	2.43	88.0	2.48	84.0	2.27
		22.9	105.5	2.93	99.7	2.76	94.6	2.60	92.1	2.43	88.0	2.43	84.0	2.27
		45.7	105.5	2.76	99.7	2.60	94.6	2.43	92.1	2.43	88.0	2.27	84.0	2.27
		57.1	105.5	2.76	99.7	2.60	94.6	2.43	92.1	2.43	88.0	2.27	84.0	2.27
		68.6	105.5	2.76	99.7	2.60	94.6	2.43	92.1	2.43	88.0	2.27	84.0	2.27
	113	18.3	105.5	2.64	99.7	2.69	94.6	2.52	92.1	2.08	88.0	2.35	84.0	2.12
		22.9	105.5	2.60	99.7	2.60	94.6	2.43	92.1	2.12	88.0	2.27	84.0	2.12
		45.7	105.5	2.43	99.7	2.27	94.6	2.12	92.1	2.27	88.0	1.95	84.0	2.12
		57.1	105.5	2.43	99.7	2.27	94.6	2.12	92.1	2.27	88.0	1.95	84.0	2.12
		68.6	105.5	2.43	99.7	2.27	94.6	2.12	92.1	2.27	88.0	1.95	84.0	2.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	20.3	102.2	11.96	101.4	11.26	100.8	10.48	99.5	10.17	100.6	9.91	97.9	8.88
		25.4	105.7	12.17	104.9	11.48	104.3	10.72	102.9	10.39	104.1	10.12	101.3	9.08
		50.7	119.5	12.99	118.6	12.34	117.9	11.62	116.3	11.28	117.8	10.97	114.7	9.85
		63.4	132.2	13.82	131.0	13.19	130.2	12.52	128.6	12.19	130.2	11.84	126.7	10.61
		76.1	138.6	14.24	137.3	13.62	136.3	12.98	134.7	12.65	136.5	12.27	132.8	11.00
	32	20.3	182.6	16.36	178.4	15.87	174.6	15.35	170.7	14.92	171.4	14.51	163.5	12.99
		25.4	183.7	16.40	179.4	15.91	175.7	15.39	171.8	14.96	172.3	14.55	164.6	13.04
		50.7	188.0	16.58	183.5	16.06	179.7	15.58	175.8	15.14	176.5	14.71	168.6	13.19
		63.4	190.9	16.58	186.2	16.06	182.4	15.58	178.4	15.14	179.0	14.71	171.0	13.19
		76.1	192.3	16.58	187.7	16.06	183.8	15.58	179.7	15.14	180.3	14.71	172.2	13.19
	41	20.3	262.9	17.59	258.9	17.15	253.6	16.71	247.2	16.24	240.5	15.80	227.2	14.14
		25.4	263.8	17.67	259.4	17.23	253.6	16.80	247.2	16.33	240.5	15.87	227.2	14.21
		50.7	267.4	17.98	261.3	17.54	253.8	17.14	247.2	16.66	240.5	16.19	227.2	14.51
		63.4	269.1	18.09	262.1	17.67	253.8	17.25	247.2	16.78	240.5	16.30	227.2	14.61
		76.1	269.9	18.15	262.4	17.72	253.8	17.31	247.2	16.84	240.5	16.36	227.2	14.66
	50	20.3	263.2	16.00	259.0	15.46	252.8	15.17	246.1	14.83	239.5	14.32	226.4	12.93
		25.4	264.8	15.97	260.2	15.47	253.8	15.20	247.2	14.83	240.5	14.32	227.2	12.92
		50.7	271.0	15.85	265.0	15.53	257.8	15.32	251.2	14.80	244.1	14.27	230.9	12.88
		63.4	272.5	16.06	266.9	15.75	259.4	15.38	252.3	14.86	245.8	14.51	232.3	13.49
		76.1	273.1	16.17	267.7	15.86	260.2	15.41	253.0	14.89	246.6	14.63	233.0	13.79
	59	20.3	263.7	14.42	259.0	13.80	251.7	13.65	245.1	13.43	238.7	12.86	225.4	11.72
		25.4	265.8	14.27	261.0	13.74	253.8	13.63	247.2	13.33	240.5	12.76	227.2	11.62
		50.7	274.4	13.71	268.8	13.51	261.8	13.51	255.2	12.93	247.7	12.37	234.5	11.22
		63.4	275.9	14.04	271.5	13.82	265.0	13.51	257.8	12.93	251.2	12.72	237.3	12.37
		76.1	276.6	14.21	272.8	13.98	266.7	13.51	259.1	12.93	252.9	12.90	238.7	12.94
	68	20.3	273.7	13.23	268.7	12.61	261.6	12.34	254.4	11.94	247.0	11.67	232.3	11.31
		25.4	275.9	13.13	270.9	12.60	263.7	12.32	256.3	11.99	249.1	11.75	234.5	11.22
		50.7	284.5	12.76	279.5	12.56	271.7	12.29	264.5	12.19	257.8	12.07	243.2	10.85
		63.4	285.7	12.76	281.5	12.56	274.9	12.37	267.0	12.19	259.8	12.07	245.1	11.54
		76.1	286.4	12.76	282.5	12.56	276.5	12.40	268.3	12.19	260.8	12.07	246.1	11.89
	77	20.3	289.0	12.61	281.5	12.25	274.9	12.04	269.6	11.84	263.7	11.67	248.5	10.90
		25.4	289.0	12.56	281.5	12.23	274.9	11.99	269.6	11.79	263.7	11.62	248.5	10.85
		50.7	289.0	12.37	281.5	12.15	274.9	11.79	269.6	11.62	263.7	11.42	248.5	10.65
		63.4	289.0	12.19	281.5	11.84	274.9	11.62	269.6	11.42	263.7	11.22	248.5	10.47
		76.1	289.0	12.10	281.5	11.67	274.9	11.53	269.6	11.32	263.7	11.12	248.5	10.39
	86	20.3	289.0	12.29	281.5	11.67	274.9	11.57	269.6	11.27	263.7	11.14	248.5	10.37
		25.4	289.0	12.19	281.5	11.65	274.9	11.50	269.6	11.22	263.7	11.05	248.5	10.28
		50.7	289.0	11.79	281.5	11.58	274.9	11.22	269.6	11.05	263.7	10.65	248.5	9.91
		63.4	289.0	11.62	281.5	11.26	274.9	11.05	269.6	10.85	263.7	10.65	248.5	9.91
		76.1	289.0	11.53	281.5	11.11	274.9	10.95	269.6	10.75	263.7	10.65	248.5	9.91
	95	20.3	289.0	11.72	281.5	11.33	274.9	11.09	269.6	10.70	263.7	10.33	248.5	9.60
		25.4	289.0	11.62	281.5	11.26	274.9	11.05	269.6	10.65	263.7	10.28	248.5	9.51
		50.7	289.0	11.22	281.5	11.00	274.9	10.85	269.6	10.47	263.7	10.08	248.5	9.13
		63.4	289.0	11.22	281.5	10.89	274.9	10.65	269.6	10.28	263.7	9.91	248.5	9.13
		76.1	289.0	11.22	281.5	10.83	274.9	10.55	269.6	10.18	263.7	9.82	248.5	9.13
	104	20.3	289.0	11.31	281.5	10.95	274.9	10.75	269.6	10.37	263.7	10.00	248.5	9.04
		25.4	289.0	11.22	281.5	10.89	274.9	10.65	269.6	10.28	263.7	9.91	248.5	8.94
		50.7	289.0	10.85	281.5	10.61	274.9	10.28	269.6	9.91	263.7	9.51	248.5	8.57
		63.4	289.0	10.65	281.5	10.44	274.9	10.28	269.6	9.91	263.7	9.51	248.5	8.57
		76.1	289.0	10.55	281.5	10.35	274.9	10.28	269.6	9.91	263.7	9.51	248.5	8.57
	113	20.3	289.0	10.94	281.5	10.58	274.9	10.42	269.6	10.05	263.7	9.66	248.5	8.46
		25.4	289.0	10.85	281.5	10.52	274.9	10.28	269.6	9.91	263.7	9.51	248.5	8.37
		50.7	289.0	10.47	281.5	10.24	274.9	9.71	269.6	9.33	263.7	8.94	248.5	7.99
		63.4	289.0	10.08	281.5	9.99	274.9	9.91	269.6	9.51	263.7	9.13	248.5	7.99
		76.1	289.0	9.88	281.5	9.85	274.9	10.00	269.6	9.60	263.7	9.24	248.5	7.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192BAS4, ARWB192BAS4
192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	20.3	97.1	11.96	96.3	11.26	95.7	10.48	94.6	10.04	95.4	9.75	92.8	8.72
		25.4	100.5	12.17	99.7	11.48	99.0	10.72	97.9	10.25	98.7	9.96	96.0	8.91
		50.7	113.7	12.99	112.8	12.34	112.1	11.62	110.7	11.12	111.7	10.81	108.7	9.69
		63.4	125.6	13.82	124.6	13.19	123.8	12.52	122.4	12.01	123.4	11.65	120.0	10.44
		76.1	131.5	14.24	130.6	13.62	129.6	12.98	128.2	12.46	129.3	12.09	125.6	10.81
	32	20.3	173.6	16.36	169.4	15.87	165.8	15.35	162.4	14.71	162.4	14.29	154.9	12.78
		25.4	174.6	16.40	170.4	15.91	166.7	15.39	163.4	14.75	163.4	14.33	156.0	12.82
		50.7	178.6	16.58	174.4	16.06	170.7	15.58	167.2	14.93	167.2	14.49	159.7	12.98
		63.4	181.4	16.58	177.3	16.06	173.4	15.58	169.8	14.93	169.6	14.49	162.1	12.98
		76.1	182.9	16.58	178.6	16.06	174.7	15.58	171.1	14.93	170.9	14.49	163.4	12.98
	41	20.3	250.2	17.59	246.5	17.15	241.1	16.71	235.3	16.00	227.8	15.55	215.4	13.93
		25.4	251.2	17.67	246.9	17.23	241.1	16.80	235.3	16.09	227.8	15.63	215.4	14.00
		50.7	254.7	17.98	248.8	17.54	241.1	17.14	235.3	16.42	227.8	15.95	215.4	14.27
		63.4	256.2	18.09	247.4	17.67	241.1	17.25	235.3	16.54	227.8	16.06	215.4	14.38
		76.1	256.9	18.15	246.6	17.72	241.1	17.31	235.3	16.59	227.8	16.13	215.4	14.43
	50	20.3	251.2	15.80	246.5	15.36	240.5	15.05	234.6	14.59	227.2	14.11	214.9	12.68
		25.4	252.3	15.85	247.5	15.42	241.1	15.10	235.3	14.61	227.8	14.10	215.4	12.70
		50.7	257.0	16.06	251.5	15.66	243.7	15.32	237.9	14.69	230.2	14.05	217.6	12.76
		63.4	258.4	16.00	250.7	15.66	244.8	15.38	238.9	14.75	231.2	14.12	218.6	13.19
		76.1	259.1	15.98	250.4	15.66	245.3	15.41	239.4	14.77	231.8	14.15	219.1	13.41
	59	20.3	251.9	14.01	246.9	13.60	239.7	13.38	233.9	13.18	226.7	12.65	214.2	11.47
		25.4	253.4	14.04	248.3	13.63	241.1	13.41	235.3	13.13	227.8	12.56	215.4	11.42
		50.7	259.2	14.16	254.4	13.74	246.6	13.51	240.5	12.93	232.5	12.19	220.0	11.22
		63.4	260.6	13.94	254.2	13.63	248.5	13.51	242.5	12.93	234.5	12.19	222.1	11.99
		76.1	261.3	13.83	254.1	13.57	249.6	13.51	243.5	12.93	235.5	12.19	223.0	12.37
	68	20.3	258.9	12.60	254.1	12.06	246.4	11.75	239.5	11.57	231.8	11.43	219.3	10.85
		25.4	260.6	12.60	255.5	12.11	247.7	11.79	241.1	11.62	233.3	11.42	220.6	10.81
		50.7	267.2	12.60	261.6	12.29	253.1	11.99	247.2	11.79	239.1	11.38	225.9	10.65
		63.4	268.5	12.48	261.4	12.19	255.2	11.99	248.5	11.79	240.5	11.42	227.2	11.05
		76.1	269.1	12.42	261.3	12.14	256.2	11.99	249.3	11.79	241.3	11.44	228.0	11.25
	77	20.3	271.5	11.92	263.7	11.36	255.2	11.14	249.8	10.90	243.2	10.70	229.9	9.95
		25.4	271.7	11.87	263.7	11.34	255.2	11.12	249.8	10.85	243.2	10.65	229.9	9.91
		50.7	272.3	11.70	263.7	11.26	255.2	11.05	249.8	10.65	243.2	10.47	229.9	9.71
		63.4	273.1	11.26	263.7	10.97	255.2	10.85	249.8	10.65	243.2	10.28	229.9	9.71
		76.1	273.5	11.05	263.7	10.81	255.2	10.75	249.8	10.65	243.2	10.18	229.9	9.71
	86	20.3	273.1	11.39	263.7	10.83	255.2	10.53	249.8	10.13	243.2	10.00	229.9	9.19
		25.4	273.1	11.30	263.7	10.77	255.2	10.47	249.8	10.08	243.2	9.91	229.9	9.13
		50.7	273.1	10.92	263.7	10.52	255.2	10.28	249.8	9.91	243.2	9.51	229.9	8.94
		63.4	273.1	10.58	263.7	10.28	255.2	10.08	249.8	9.91	243.2	9.51	229.9	8.76
		76.1	273.1	10.39	263.7	10.16	255.2	9.98	249.8	9.91	243.2	9.51	229.9	8.68
	95	20.3	273.1	10.89	263.7	10.30	255.2	10.00	249.8	9.60	243.2	9.23	229.9	8.41
		25.4	273.1	10.73	263.7	10.20	255.2	9.91	249.8	9.51	243.2	9.13	229.9	8.37
		50.7	273.1	10.12	263.7	9.83	255.2	9.51	249.8	9.13	243.2	8.76	229.9	8.19
		63.4	273.1	10.00	263.7	9.75	255.2	9.51	249.8	9.13	243.2	8.76	229.9	7.99
		76.1	273.1	9.94	263.7	9.71	255.2	9.51	249.8	9.13	243.2	8.76	229.9	7.90
	104	20.3	273.1	10.56	263.7	9.82	255.2	9.43	249.8	9.04	243.2	8.66	229.9	7.84
		25.4	273.1	10.36	263.7	9.71	255.2	9.33	249.8	8.94	243.2	8.57	229.9	7.79
		50.7	273.1	9.55	263.7	9.25	255.2	8.94	249.8	8.57	243.2	8.19	229.9	7.62
		63.4	273.1	9.43	263.7	9.13	255.2	8.94	249.8	8.57	243.2	8.19	229.9	7.42
		76.1	273.1	9.38	263.7	9.08	255.2	8.94	249.8	8.57	243.2	8.19	229.9	7.32
	113	20.3	273.1	10.24	263.7	9.35	255.2	8.86	249.8	8.46	243.2	8.09	229.9	7.27
		25.4	273.1	9.99	263.7	9.21	255.2	8.76	249.8	8.37	243.2	7.99	229.9	7.23
		50.7	273.1	8.98	263.7	8.68	255.2	8.37	249.8	7.99	243.2	7.62	229.9	7.04
		63.4	273.1	8.86	263.7	8.52	255.2	8.37	249.8	7.99	243.2	7.62	229.9	6.85
		76.1	273.1	8.80	263.7	8.44	255.2	8.37	249.8	7.99	243.2	7.62	229.9	6.75

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN192BAS4, ARWB192BAS4
192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	20.3	91.9	12.12	91.3	11.26	90.7	10.48	89.8	10.04	89.9	9.75	88.0	8.72
		25.4	95.0	12.32	94.4	11.48	93.8	10.72	92.8	10.25	93.0	9.96	91.0	8.91
		50.7	107.5	13.15	106.9	12.34	106.3	11.62	105.1	11.12	105.1	10.81	103.1	9.69
		63.4	118.7	14.00	117.9	13.19	117.3	12.52	116.2	12.01	116.2	11.65	113.7	10.44
		76.1	124.5	14.43	123.5	13.62	122.9	12.98	121.7	12.46	121.7	12.09	119.1	10.81
	32	20.3	164.2	16.58	160.6	15.87	157.3	15.35	154.2	14.71	152.8	14.29	147.0	12.78
		25.4	165.1	16.62	161.6	15.91	158.1	15.39	155.1	14.75	153.7	14.33	147.9	12.82
		50.7	169.0	16.78	165.4	16.06	161.8	15.58	158.7	14.93	157.3	14.49	151.3	12.98
		63.4	171.5	16.78	168.0	16.06	164.3	15.58	161.1	14.93	159.7	14.49	153.5	12.98
		76.1	172.9	16.78	169.3	16.06	165.6	15.58	162.4	14.93	161.0	14.49	154.6	12.98
	41	20.3	239.5	17.82	233.8	17.15	228.5	16.71	223.2	16.00	214.6	15.55	204.2	13.93
		25.4	240.3	17.90	234.3	17.23	228.5	16.80	223.2	16.09	214.6	15.63	204.2	14.00
		50.7	243.5	18.21	236.1	17.54	228.6	17.14	223.2	16.42	214.6	15.95	204.2	14.27
		63.4	245.0	18.34	236.7	17.67	228.6	17.25	223.2	16.54	214.6	16.06	204.2	14.38
		76.1	245.6	18.39	237.0	17.72	228.6	17.31	223.2	16.59	214.6	16.13	204.2	14.43
	50	20.3	240.5	15.98	234.4	15.43	228.1	15.10	222.9	14.59	214.2	14.11	203.9	12.68
		25.4	241.3	16.00	235.1	15.47	228.5	15.14	223.2	14.61	214.6	14.10	204.2	12.70
		50.7	245.0	16.13	237.5	15.66	229.9	15.32	224.6	14.69	216.0	14.05	205.1	12.76
		63.4	246.4	16.13	238.5	15.66	230.7	15.28	225.1	14.65	216.5	14.12	205.8	12.90
		76.1	247.0	16.13	239.0	15.66	231.1	15.26	225.3	14.63	216.6	14.15	206.1	12.96
	59	20.3	241.1	14.13	234.9	13.74	228.0	13.51	222.6	13.18	213.9	12.65	203.7	11.47
		25.4	242.1	14.12	235.7	13.74	228.6	13.51	223.2	13.13	214.6	12.56	204.2	11.42
		50.7	246.1	14.04	239.1	13.74	231.2	13.51	225.9	12.93	217.4	12.19	206.1	11.22
		63.4	247.5	13.94	240.3	13.63	232.5	13.33	226.7	12.76	218.1	12.19	207.4	11.42
		76.1	248.3	13.89	240.9	13.57	233.1	13.24	227.0	12.67	218.3	12.19	208.0	11.52
	68	20.3	245.6	12.20	238.9	11.92	231.2	11.62	225.0	11.42	216.8	11.09	205.3	10.38
		25.4	246.9	12.23	239.7	11.92	231.9	11.62	225.9	11.42	217.4	11.05	206.1	10.36
		50.7	252.2	12.32	242.9	11.92	234.5	11.62	229.3	11.42	220.0	10.85	209.4	10.28
		63.4	253.6	12.32	245.0	11.92	235.9	11.62	229.9	11.22	221.3	10.85	209.9	10.28
		76.1	254.3	12.32	245.9	11.92	236.6	11.62	230.2	11.12	221.8	10.85	210.3	10.28
	77	20.3	253.3	11.11	245.8	10.70	235.9	10.53	230.7	10.13	222.6	9.75	210.7	8.94
		25.4	253.8	11.09	245.8	10.65	235.9	10.47	230.7	10.08	222.6	9.71	210.7	8.94
		50.7	255.8	11.00	245.8	10.47	235.9	10.28	230.7	9.91	222.6	9.51	210.7	8.94
		63.4	257.0	11.00	245.8	10.52	235.9	10.08	230.7	9.91	222.6	9.33	210.7	8.76
		76.1	257.6	11.00	245.8	10.53	235.9	9.98	230.7	9.91	222.6	9.24	210.7	8.68
	86	20.3	257.0	10.13	245.8	9.75	235.9	9.38	230.7	9.19	222.6	8.62	210.7	8.04
		25.4	257.0	10.08	245.8	9.71	235.9	9.33	230.7	9.13	222.6	8.57	210.7	7.99
		50.7	257.0	9.91	245.8	9.51	235.9	9.13	230.7	8.94	222.6	8.37	210.7	7.79
		63.4	257.0	9.83	245.8	9.33	235.9	8.94	230.7	8.76	222.6	8.37	210.7	7.79
		76.1	257.0	9.78	245.8	9.24	235.9	8.84	230.7	8.68	222.6	8.37	210.7	7.79
	95	20.3	257.0	9.60	245.8	8.99	235.9	8.62	230.7	8.24	222.6	7.84	210.7	7.27
		25.4	257.0	9.51	245.8	8.94	235.9	8.57	230.7	8.19	222.6	7.79	210.7	7.23
		50.7	257.0	9.13	245.8	8.76	235.9	8.37	230.7	7.99	222.6	7.62	210.7	7.04
		63.4	257.0	8.90	245.8	8.57	235.9	8.19	230.7	7.99	222.6	7.62	210.7	7.04
		76.1	257.0	8.78	245.8	8.46	235.9	8.10	230.7	7.99	222.6	7.62	210.7	7.04
	104	20.3	257.0	9.04	245.8	8.66	235.9	8.09	230.7	7.67	222.6	7.27	210.7	6.70
		25.4	257.0	8.94	245.8	8.57	235.9	7.99	230.7	7.62	222.6	7.23	210.7	6.65
		50.7	257.0	8.57	245.8	8.19	235.9	7.62	230.7	7.42	222.6	7.04	210.7	6.48
		63.4	257.0	8.45	245.8	7.99	235.9	7.62	230.7	7.23	222.6	6.85	210.7	6.28
		76.1	257.0	8.38	245.8	7.90	235.9	7.62	230.7	7.12	222.6	6.75	210.7	6.18
	113	20.3	257.0	8.46	245.8	8.34	235.9	7.57	230.7	7.10	222.6	6.70	210.7	6.13
		25.4	257.0	8.37	245.8	8.19	235.9	7.42	230.7	7.04	222.6	6.65	210.7	6.09
		50.7	257.0	7.99	245.8	7.62	235.9	6.85	230.7	6.85	222.6	6.48	210.7	5.91
		63.4	257.0	7.99	245.8	7.42	235.9	7.04	230.7	6.48	222.6	6.09	210.7	5.51
		76.1	257.0	7.99	245.8	7.32	235.9	7.15	230.7	6.29	222.6	5.89	210.7	5.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	20.3	86.9	12.12	86.2	11.42	85.9	10.48	85.1	10.04	84.3	9.60	82.7	8.72
		25.4	89.8	12.32	89.3	11.64	88.8	10.72	88.0	10.25	87.2	9.80	85.6	8.91
		50.7	101.6	13.15	101.1	12.51	100.5	11.62	99.5	11.12	98.7	10.65	97.1	9.69
		63.4	112.3	14.00	111.5	13.37	110.9	12.52	109.9	12.01	109.1	11.48	107.1	10.44
		76.1	117.7	14.43	116.8	13.80	116.2	12.98	115.2	12.46	114.4	11.90	112.2	10.81
	32	20.3	155.2	16.58	151.8	16.08	148.6	15.35	146.1	14.71	143.4	14.08	138.4	12.78
		25.4	156.1	16.62	152.7	16.13	149.5	15.39	146.9	14.75	144.3	14.12	139.2	12.82
		50.7	159.7	16.78	156.3	16.28	152.9	15.58	150.3	14.93	147.7	14.27	142.4	12.98
		63.4	162.1	16.78	158.7	16.28	155.3	15.58	152.5	14.93	149.9	14.27	144.7	12.98
		76.1	163.4	16.78	160.0	16.28	156.5	15.58	153.6	14.93	151.0	14.27	145.8	12.98
	41	20.3	229.1	17.82	221.4	17.39	215.7	16.71	211.4	16.00	201.3	15.32	192.1	13.93
		25.4	229.9	17.90	221.8	17.46	215.8	16.80	211.4	16.09	201.3	15.39	192.1	14.00
		50.7	233.1	18.21	223.4	17.78	216.0	17.14	211.4	16.42	201.3	15.72	192.1	14.27
		63.4	234.5	18.34	224.0	17.90	216.0	17.25	211.4	16.54	201.3	15.81	192.1	14.38
		76.1	235.2	18.39	224.3	17.96	216.0	17.31	211.4	16.59	201.3	15.86	192.1	14.43
	50	20.3	230.3	15.94	222.1	15.58	216.0	15.10	211.4	14.59	201.3	13.87	192.1	12.68
		25.4	230.9	16.00	222.4	15.63	216.0	15.14	211.4	14.61	201.3	13.88	192.1	12.70
		50.7	233.1	16.30	223.7	15.83	216.0	15.32	211.4	14.69	201.3	13.94	192.1	12.76
		63.4	234.7	16.25	224.6	15.83	216.0	15.28	211.4	14.65	201.3	13.90	192.1	12.70
		76.1	235.5	16.22	225.1	15.83	216.0	15.26	211.4	14.63	201.3	13.88	192.1	12.67
	59	20.3	231.5	14.05	223.1	13.82	216.0	13.51	211.4	13.18	201.3	12.41	192.1	11.47
		25.4	231.9	14.12	223.2	13.82	216.0	13.51	211.4	13.13	201.3	12.37	192.1	11.42
		50.7	233.1	14.39	223.8	13.86	216.0	13.51	211.4	12.93	201.3	12.19	192.1	11.22
		63.4	235.1	14.16	225.1	13.74	216.0	13.33	211.4	12.76	201.3	11.99	192.1	11.05
		76.1	236.1	14.04	225.6	13.68	216.0	13.24	211.4	12.67	201.3	11.89	192.1	10.95
	68	20.3	232.8	12.01	224.3	11.70	216.0	11.42	211.4	11.27	201.3	10.53	192.1	10.00
		25.4	233.7	12.07	224.5	11.72	216.0	11.42	211.4	11.22	201.3	10.47	192.1	9.91
		50.7	237.1	12.29	225.1	11.75	216.0	11.42	211.4	11.05	201.3	10.28	192.1	9.51
		63.4	238.5	12.07	227.0	11.65	216.0	11.22	211.4	10.85	201.3	10.08	192.1	9.33
		76.1	239.2	11.96	228.0	11.61	216.0	11.12	211.4	10.75	201.3	9.98	192.1	9.24
	77	20.3	235.7	10.50	227.8	10.17	216.0	9.75	211.4	9.38	201.3	8.82	192.1	7.99
		25.4	236.5	10.52	227.8	10.12	216.0	9.71	211.4	9.33	201.3	8.76	192.1	7.99
		50.7	239.9	10.55	227.8	9.91	216.0	9.51	211.4	9.13	201.3	8.57	192.1	7.99
		63.4	241.1	10.32	227.8	9.83	216.0	9.33	211.4	8.94	201.3	8.57	192.1	7.79
		76.1	241.7	10.20	227.8	9.78	216.0	9.24	211.4	8.84	201.3	8.57	192.1	7.70
	86	20.3	241.1	9.55	227.8	8.82	216.0	8.21	211.4	8.04	201.3	7.42	192.1	7.10
		25.4	241.1	9.51	227.8	8.76	216.0	8.19	211.4	7.99	201.3	7.42	192.1	7.04
		50.7	241.1	9.33	227.8	8.57	216.0	8.12	211.4	7.79	201.3	7.42	192.1	6.85
		63.4	241.1	9.13	227.8	8.57	216.0	7.99	211.4	7.79	201.3	7.23	192.1	6.85
		76.1	241.1	9.04	227.8	8.57	216.0	7.93	211.4	7.79	201.3	7.12	192.1	6.85
	95	20.3	241.1	8.86	227.8	8.09	216.0	7.25	211.4	7.10	201.3	6.70	192.1	6.13
		25.4	241.1	8.76	227.8	7.99	216.0	7.23	211.4	7.04	201.3	6.65	192.1	6.09
		50.7	241.1	8.37	227.8	7.62	216.0	7.15	211.4	6.85	201.3	6.48	192.1	5.91
		63.4	241.1	8.37	227.8	7.62	216.0	7.04	211.4	6.85	201.3	6.48	192.1	5.91
		76.1	241.1	8.37	227.8	7.62	216.0	7.00	211.4	6.85	201.3	6.48	192.1	5.91
	104	20.3	241.1	8.29	227.8	7.52	216.0	6.50	211.4	6.33	201.3	5.95	192.1	5.56
		25.4	241.1	8.19	227.8	7.42	216.0	6.48	211.4	6.28	201.3	5.91	192.1	5.51
		50.7	241.1	7.79	227.8	7.04	216.0	6.40	211.4	6.09	201.3	5.72	192.1	5.33
		63.4	241.1	7.62	227.8	7.04	216.0	6.28	211.4	6.09	201.3	5.72	192.1	5.33
		76.1	241.1	7.53	227.8	7.04	216.0	6.22	211.4	6.09	201.3	5.72	192.1	5.33
	113	20.3	241.1	7.71	227.8	6.95	216.0	5.73	211.4	5.56	201.3	5.19	192.1	4.99
		25.4	241.1	7.62	227.8	6.85	216.0	5.72	211.4	5.51	201.3	5.14	192.1	4.94
		50.7	241.1	7.23	227.8	6.48	216.0	5.63	211.4	5.33	201.3	4.94	192.1	4.77
		63.4	241.1	6.85	227.8	6.48	216.0	5.51	211.4	5.33	201.3	4.94	192.1	4.77
		76.1	241.1	6.67	227.8	6.48	216.0	5.45	211.4	5.33	201.3	4.94	192.1	4.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	20.3	81.9	11.25	79.4	10.24	77.1	8.99	76.5	8.57	76.0	8.26	74.6	7.42
		25.4	84.8	11.44	82.2	10.44	79.8	9.19	79.2	8.76	78.6	8.45	77.1	7.58
		50.7	96.0	12.21	93.0	11.20	90.2	9.99	89.6	9.51	89.0	9.18	87.2	8.23
		63.4	106.1	12.98	102.7	11.99	99.7	10.77	98.9	10.25	98.2	9.88	96.5	8.88
		76.1	111.2	13.37	107.5	12.39	104.5	11.17	103.5	10.64	102.9	10.24	101.1	9.21
	32	20.3	146.6	15.32	139.8	14.38	133.4	13.20	131.5	12.59	129.3	12.12	124.5	10.88
		25.4	147.5	15.36	140.6	14.41	134.2	13.23	132.2	12.62	130.1	12.15	125.1	10.91
		50.7	150.9	15.52	143.8	14.57	137.4	13.37	135.2	12.76	133.0	12.29	128.2	11.03
		63.4	153.1	15.52	146.1	14.57	139.7	13.37	137.3	12.76	135.2	12.29	130.2	11.03
		76.1	154.2	15.52	147.2	14.57	140.8	13.37	138.2	12.76	136.3	12.29	131.2	11.03
	41	20.3	207.2	16.45	200.5	15.52	194.1	14.36	190.1	13.69	181.6	13.18	173.0	11.84
		25.4	207.4	16.52	200.3	15.59	194.1	14.43	190.1	13.76	181.6	13.26	173.0	11.89
		50.7	208.2	16.81	199.7	15.89	194.1	14.71	190.1	14.04	181.6	13.52	173.0	12.12
		63.4	209.4	16.92	200.3	15.99	194.1	14.83	190.1	14.13	181.6	13.63	173.0	12.23
		76.1	209.9	16.97	200.6	16.03	194.1	14.88	190.1	14.19	181.6	13.68	173.0	12.28
	50	20.3	208.3	14.52	201.1	13.80	194.1	13.00	190.1	12.47	181.6	11.96	173.0	10.78
		25.4	208.2	14.53	200.9	13.82	194.1	13.01	190.1	12.48	181.6	11.95	173.0	10.79
		50.7	207.8	14.57	200.0	13.88	194.1	13.07	190.1	12.54	181.6	11.92	173.0	10.83
		63.4	209.1	14.53	200.5	13.84	194.1	13.04	190.1	12.51	181.6	11.95	173.0	10.87
		76.1	209.9	14.51	200.8	13.82	194.1	13.01	190.1	12.48	181.6	11.97	173.0	10.89
	59	20.3	209.3	12.57	201.9	12.12	194.1	11.67	190.1	11.27	181.6	10.75	173.0	9.75
		25.4	209.0	12.52	201.6	12.07	194.1	11.62	190.1	11.22	181.6	10.65	173.0	9.71
		50.7	207.5	12.32	200.1	11.87	194.1	11.42	190.1	11.05	181.6	10.28	173.0	9.51
		63.4	209.0	12.15	200.8	11.70	194.1	11.22	190.1	10.85	181.6	10.28	173.0	9.51
		76.1	209.6	12.06	201.0	11.61	194.1	11.12	190.1	10.75	181.6	10.28	173.0	9.51
	68	20.3	210.6	10.61	202.7	10.31	194.1	9.95	190.1	9.55	181.6	9.23	173.0	8.66
		25.4	210.4	10.61	202.4	10.28	194.1	9.91	190.1	9.51	181.6	9.13	173.0	8.57
		50.7	209.6	10.61	200.8	10.16	194.1	9.71	190.1	9.33	181.6	8.76	173.0	8.19
		63.4	210.2	10.44	201.3	10.08	194.1	9.71	190.1	9.33	181.6	8.76	173.0	8.19
		76.1	210.4	10.35	201.6	10.05	194.1	9.71	190.1	9.33	181.6	8.76	173.0	8.19
	77	20.3	214.1	9.27	205.3	8.79	194.1	8.41	190.1	7.99	181.6	7.67	173.0	7.10
		25.4	214.6	9.25	205.3	8.76	194.1	8.37	190.1	7.99	181.6	7.62	173.0	7.04
		50.7	216.6	9.18	205.3	8.68	194.1	8.19	190.1	7.99	181.6	7.42	173.0	6.85
		63.4	217.4	8.94	205.3	8.49	194.1	8.19	190.1	7.79	181.6	7.42	173.0	6.85
		76.1	217.8	8.82	205.3	8.38	194.1	8.19	190.1	7.70	181.6	7.42	173.0	6.85
	86	20.3	217.4	8.41	205.3	7.84	194.1	7.27	190.1	7.10	181.6	6.70	173.0	6.09
		25.4	217.4	8.37	205.3	7.79	194.1	7.23	190.1	7.04	181.6	6.65	173.0	6.09
		50.7	217.4	8.19	205.3	7.62	194.1	7.04	190.1	6.85	181.6	6.48	173.0	6.09
		63.4	217.4	7.99	205.3	7.42	194.1	7.04	190.1	6.85	181.6	6.48	173.0	5.91
		76.1	217.4	7.90	205.3	7.32	194.1	7.04	190.1	6.85	181.6	6.48	173.0	5.81
	95	20.3	217.4	7.67	205.3	7.10	194.1	6.53	190.1	6.33	181.6	5.95	173.0	5.56
		25.4	217.4	7.62	205.3	7.04	194.1	6.48	190.1	6.28	181.6	5.91	173.0	5.51
		50.7	217.4	7.42	205.3	6.85	194.1	6.28	190.1	6.09	181.6	5.72	173.0	5.33
		63.4	217.4	7.23	205.3	6.65	194.1	6.09	190.1	5.91	181.6	5.72	173.0	5.33
		76.1	217.4	7.12	205.3	6.56	194.1	5.98	190.1	5.81	181.6	5.72	173.0	5.33
	104	20.3	217.4	7.15	205.3	6.53	194.1	5.76	190.1	5.56	181.6	5.39	173.0	4.99
		25.4	217.4	7.04	205.3	6.48	194.1	5.72	190.1	5.51	181.6	5.33	173.0	4.94
		50.7	217.4	6.65	205.3	6.28	194.1	5.51	190.1	5.33	181.6	5.14	173.0	4.77
		63.4	217.4	6.65	205.3	6.28	194.1	5.51	190.1	5.33	181.6	5.14	173.0	4.77
		76.1	217.4	6.65	205.3	6.28	194.1	5.51	190.1	5.33	181.6	5.14	173.0	4.77
	113	20.3	217.4	6.62	205.3	5.95	194.1	4.99	190.1	4.81	181.6	4.81	173.0	4.41
		25.4	217.4	6.48	205.3	5.91	194.1	4.94	190.1	4.77	181.6	4.77	173.0	4.38
		50.7	217.4	5.91	205.3	5.72	194.1	4.77	190.1	4.57	181.6	4.57	173.0	4.19
		63.4	217.4	6.09	205.3	5.91	194.1	4.94	190.1	4.77	181.6	4.57	173.0	4.19
		76.1	217.4	6.17	205.3	6.01	194.1	5.03	190.1	4.86	181.6	4.57	173.0	4.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	20.3	77.6	8.01	72.6	7.71	68.8	7.38	68.0	7.13	67.5	6.81	66.2	6.26
		25.4	80.2	8.19	75.2	7.88	71.2	7.54	70.4	7.29	69.9	6.95	68.5	6.40
		50.7	90.6	8.90	85.0	8.54	80.3	8.17	79.5	7.90	79.2	7.54	77.6	6.93
		63.4	100.3	9.58	93.8	9.21	88.8	8.82	87.8	8.52	87.4	8.13	85.6	7.48
		76.1	105.1	9.94	98.3	9.55	93.1	9.15	92.0	8.85	91.5	8.43	89.6	7.76
	32	20.3	138.4	11.76	127.7	11.28	118.9	10.81	116.6	10.44	115.0	9.95	110.7	9.17
		25.4	139.2	11.79	128.3	11.32	119.5	10.85	117.3	10.47	115.7	9.99	111.3	9.19
		50.7	142.7	11.93	131.4	11.46	122.4	10.97	120.2	10.59	118.6	10.10	113.9	9.30
		63.4	144.7	11.93	133.4	11.46	124.3	10.97	121.9	10.59	120.3	10.10	115.7	9.30
		76.1	145.7	11.93	134.4	11.46	125.4	10.97	122.9	10.59	121.3	10.10	116.6	9.30
	41	20.3	191.5	12.79	180.7	12.31	172.8	11.75	169.0	11.36	161.8	10.83	153.7	9.97
		25.4	191.9	12.85	181.0	12.37	172.8	11.81	169.0	11.42	161.8	10.89	153.7	10.02
		50.7	193.5	13.13	182.4	12.60	173.0	12.07	169.0	11.65	161.8	11.11	153.7	10.24
		63.4	193.5	13.21	182.2	12.70	173.0	12.15	169.0	11.73	161.8	11.19	153.7	10.30
		76.1	193.5	13.26	182.1	12.75	173.0	12.19	169.0	11.78	161.8	11.22	153.7	10.33
	50	20.3	192.5	11.77	181.4	11.23	172.8	10.67	169.0	10.37	161.8	9.82	153.7	9.10
		25.4	192.7	11.75	181.6	11.22	172.8	10.67	169.0	10.38	161.8	9.83	153.7	9.10
		50.7	193.5	11.70	182.4	11.17	173.0	10.69	169.0	10.39	161.8	9.85	153.7	9.11
		63.4	193.5	11.65	182.2	11.20	173.0	10.73	169.0	10.33	161.8	9.78	153.7	9.05
		76.1	193.5	11.64	182.1	11.22	173.0	10.75	169.0	10.31	161.8	9.75	153.7	9.02
	59	20.3	193.5	10.75	182.2	10.17	173.0	9.55	169.0	9.38	161.8	8.82	153.7	8.24
		25.4	193.5	10.65	182.2	10.08	173.0	9.51	169.0	9.33	161.8	8.76	153.7	8.19
		50.7	193.5	10.28	182.2	9.71	173.0	9.33	169.0	9.13	161.8	8.57	153.7	7.99
		63.4	193.5	10.08	182.2	9.71	173.0	9.33	169.0	8.94	161.8	8.37	153.7	7.79
		76.1	193.5	9.98	182.2	9.71	173.0	9.33	169.0	8.84	161.8	8.27	153.7	7.70
	68	20.3	193.5	8.99	182.2	8.62	173.0	8.19	169.0	8.04	161.8	7.67	153.7	7.10
		25.4	193.5	8.94	182.2	8.57	173.0	8.19	169.0	7.99	161.8	7.62	153.7	7.04
		50.7	193.5	8.76	182.2	8.37	173.0	8.19	169.0	7.79	161.8	7.42	153.7	6.85
		63.4	193.5	8.57	182.2	8.19	173.0	7.99	169.0	7.79	161.8	7.23	153.7	6.85
		76.1	193.5	8.46	182.2	8.10	173.0	7.90	169.0	7.79	161.8	7.12	153.7	6.85
	77	20.3	193.5	8.04	182.2	7.48	173.0	7.04	169.0	6.90	161.8	6.53	153.7	6.13
		25.4	193.5	7.99	182.2	7.42	173.0	7.04	169.0	6.85	161.8	6.48	153.7	6.09
		50.7	193.5	7.79	182.2	7.23	173.0	7.04	169.0	6.65	161.8	6.28	153.7	5.91
		63.4	193.5	7.62	182.2	7.23	173.0	6.85	169.0	6.65	161.8	6.28	153.7	5.91
		76.1	193.5	7.53	182.2	7.23	173.0	6.75	169.0	6.65	161.8	6.28	153.7	5.91
	86	20.3	193.5	7.10	182.2	6.70	173.0	6.33	169.0	6.13	161.8	5.76	153.7	5.39
		25.4	193.5	7.04	182.2	6.65	173.0	6.28	169.0	6.09	161.8	5.72	153.7	5.33
		50.7	193.5	6.85	182.2	6.48	173.0	6.09	169.0	5.91	161.8	5.51	153.7	5.14
		63.4	193.5	6.85	182.2	6.48	173.0	6.09	169.0	5.91	161.8	5.51	153.7	5.14
		76.1	193.5	6.85	182.2	6.48	173.0	6.09	169.0	5.91	161.8	5.51	153.7	5.14
	95	20.3	193.5	6.53	182.2	6.13	173.0	5.56	169.0	5.33	161.8	5.19	153.7	4.77
		25.4	193.5	6.48	182.2	6.09	173.0	5.51	169.0	5.33	161.8	5.14	153.7	4.77
		50.7	193.5	6.28	182.2	5.91	173.0	5.33	169.0	5.33	161.8	4.94	153.7	4.77
		63.4	193.5	6.28	182.2	5.72	173.0	5.33	169.0	5.14	161.8	4.94	153.7	4.57
		76.1	193.5	6.28	182.2	5.61	173.0	5.33	169.0	5.03	161.8	4.94	153.7	4.47
	104	20.3	193.5	6.18	182.2	5.56	173.0	4.94	169.0	4.99	161.8	4.57	153.7	4.41
		25.4	193.5	6.09	182.2	5.51	173.0	4.94	169.0	4.94	161.8	4.57	153.7	4.38
		50.7	193.5	5.72	182.2	5.33	173.0	4.94	169.0	4.77	161.8	4.57	153.7	4.19
		63.4	193.5	5.72	182.2	5.33	173.0	4.77	169.0	4.77	161.8	4.57	153.7	4.19
		76.1	193.5	5.72	182.2	5.33	173.0	4.67	169.0	4.77	161.8	4.57	153.7	4.19
	113	20.3	193.5	5.86	182.2	4.99	173.0	4.32	169.0	4.66	161.8	3.94	153.7	4.10
		25.4	193.5	5.72	182.2	4.94	173.0	4.38	169.0	4.57	161.8	4.00	153.7	4.00
		50.7	193.5	5.14	182.2	4.77	173.0	4.57	169.0	4.19	161.8	4.19	153.7	3.63
		63.4	193.5	5.14	182.2	4.94	173.0	4.19	169.0	4.38	161.8	4.19	153.7	3.80
		76.1	193.5	5.14	182.2	5.03	173.0	4.00	169.0	4.46	161.8	4.19	153.7	3.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	20.3	67.5	6.88	63.5	6.55	60.0	6.34	59.5	5.97	59.0	5.76	58.1	5.24
		25.4	69.9	7.03	65.7	6.70	62.1	6.48	61.5	6.11	61.1	5.89	60.0	5.36
		50.7	79.2	7.62	74.4	7.26	70.1	7.03	69.6	6.62	69.1	6.37	67.9	5.81
		63.4	87.7	8.23	82.2	7.84	77.6	7.58	77.0	7.12	76.3	6.89	74.9	6.26
		76.1	91.8	8.54	86.1	8.12	81.3	7.85	80.7	7.39	80.0	7.15	78.5	6.49
	32	20.3	121.1	10.07	111.8	9.60	103.9	9.28	102.1	8.74	100.5	8.44	96.9	7.68
		25.4	121.8	10.10	112.5	9.63	104.5	9.32	102.7	8.76	101.1	8.46	97.4	7.70
		50.7	124.6	10.22	115.2	9.72	106.9	9.43	105.1	8.86	103.5	8.57	99.7	7.78
		63.4	126.4	10.22	117.0	9.72	108.5	9.43	106.7	8.86	105.1	8.57	101.3	7.78
		76.1	127.3	10.22	117.9	9.72	109.3	9.43	107.5	8.86	105.9	8.57	102.1	7.78
	41	20.3	167.2	10.97	158.4	10.44	150.9	10.11	147.7	9.52	141.1	9.19	134.4	8.35
		25.4	167.5	11.03	158.7	10.50	150.9	10.16	147.7	9.57	141.1	9.24	134.4	8.38
		50.7	169.0	11.25	160.0	10.72	151.1	10.38	147.7	9.75	141.1	9.43	134.4	8.57
		63.4	169.0	11.32	159.7	10.79	151.1	10.45	147.7	9.83	141.1	9.49	134.4	8.63
		76.1	169.0	11.36	159.7	10.83	151.1	10.50	147.7	9.86	141.1	9.52	134.4	8.65
	50	20.3	168.0	10.10	159.0	9.55	151.1	9.19	147.7	8.68	141.1	8.33	134.4	7.62
		25.4	168.2	10.08	159.2	9.53	151.1	9.18	147.7	8.68	141.1	8.33	134.4	7.62
		50.7	169.0	10.00	159.7	9.45	151.1	9.10	147.7	8.68	141.1	8.33	134.4	7.62
		63.4	169.0	10.05	159.7	9.49	151.1	9.13	147.7	8.72	141.1	8.27	134.4	7.64
		76.1	169.0	10.06	159.7	9.51	151.1	9.16	147.7	8.74	141.1	8.24	134.4	7.65
	59	20.3	169.0	9.23	159.7	8.66	151.1	8.29	147.7	7.84	141.1	7.48	134.4	6.90
		25.4	169.0	9.13	159.7	8.57	151.1	8.19	147.7	7.79	141.1	7.42	134.4	6.85
		50.7	169.0	8.76	159.7	8.19	151.1	7.79	147.7	7.62	141.1	7.23	134.4	6.65
		63.4	169.0	8.76	159.7	8.19	151.1	7.79	147.7	7.62	141.1	7.04	134.4	6.65
		76.1	169.0	8.76	159.7	8.19	151.1	7.79	147.7	7.62	141.1	6.96	134.4	6.65
	68	20.3	169.0	7.67	159.7	7.27	151.1	7.10	147.7	6.90	141.1	6.53	134.4	6.13
		25.4	169.0	7.62	159.7	7.23	151.1	7.04	147.7	6.85	141.1	6.48	134.4	6.09
		50.7	169.0	7.42	159.7	7.04	151.1	6.85	147.7	6.65	141.1	6.28	134.4	5.91
		63.4	169.0	7.42	159.7	7.04	151.1	6.85	147.7	6.48	141.1	6.28	134.4	5.72
		76.1	169.0	7.42	159.7	7.04	151.1	6.85	147.7	6.39	141.1	6.28	134.4	5.61
	77	20.3	169.0	6.90	159.7	6.53	151.1	6.13	147.7	5.95	141.1	5.51	134.4	5.14
		25.4	169.0	6.85	159.7	6.48	151.1	6.09	147.7	5.91	141.1	5.51	134.4	5.14
		50.7	169.0	6.65	159.7	6.28	151.1	5.91	147.7	5.72	141.1	5.51	134.4	5.14
		63.4	169.0	6.48	159.7	6.09	151.1	5.91	147.7	5.72	141.1	5.33	134.4	5.14
		76.1	169.0	6.39	159.7	5.98	151.1	5.91	147.7	5.72	141.1	5.25	134.4	5.14
	86	20.3	169.0	6.13	159.7	5.76	151.1	5.39	147.7	5.14	141.1	4.99	134.4	4.57
		25.4	169.0	6.09	159.7	5.72	151.1	5.33	147.7	5.14	141.1	4.94	134.4	4.57
		50.7	169.0	5.91	159.7	5.51	151.1	5.14	147.7	5.14	141.1	4.77	134.4	4.57
		63.4	169.0	5.91	159.7	5.51	151.1	5.14	147.7	4.94	141.1	4.77	134.4	4.57
		76.1	169.0	5.91	159.7	5.51	151.1	5.14	147.7	4.84	141.1	4.77	134.4	4.57
	95	20.3	169.0	5.56	159.7	5.19	151.1	4.77	147.7	4.81	141.1	4.38	134.4	4.24
		25.4	169.0	5.51	159.7	5.14	151.1	4.77	147.7	4.77	141.1	4.38	134.4	4.19
		50.7	169.0	5.33	159.7	4.94	151.1	4.77	147.7	4.57	141.1	4.38	134.4	4.00
		63.4	169.0	5.33	159.7	4.94	151.1	4.57	147.7	4.57	141.1	4.38	134.4	4.00
		76.1	169.0	5.33	159.7	4.94	151.1	4.47	147.7	4.57	141.1	4.38	134.4	4.00
	104	20.3	169.0	5.19	159.7	4.81	151.1	4.41	147.7	4.19	141.1	4.00	134.4	3.85
		25.4	169.0	5.14	159.7	4.77	151.1	4.38	147.7	4.19	141.1	4.00	134.4	3.80
		50.7	169.0	4.94	159.7	4.57	151.1	4.19	147.7	4.19	141.1	4.00	134.4	3.63
		63.4	169.0	4.94	159.7	4.57	151.1	4.19	147.7	4.00	141.1	3.80	134.4	3.63
		76.1	169.0	4.94	159.7	4.57	151.1	4.19	147.7	3.90	141.1	3.71	134.4	3.63
	113	20.3	169.0	4.81	159.7	4.41	151.1	4.10	147.7	3.58	141.1	3.63	134.4	3.47
		25.4	169.0	4.77	159.7	4.38	151.1	4.00	147.7	3.63	141.1	3.63	134.4	3.43
		50.7	169.0	4.57	159.7	4.19	151.1	3.63	147.7	3.80	141.1	3.63	134.4	3.23
		63.4	169.0	4.57	159.7	4.19	151.1	3.80	147.7	3.43	141.1	3.23	134.4	3.23
		76.1	169.0	4.57	159.7	4.19	151.1	3.89	147.7	3.24	141.1	3.04	134.4	3.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	20.3	58.1	5.59	54.4	5.37	51.5	5.16	50.9	4.80	50.7	4.72	49.7	4.22
		25.4	60.0	5.72	56.3	5.50	53.3	5.28	52.6	4.91	52.5	4.83	51.4	4.31
		50.7	68.1	6.20	63.7	5.97	60.3	5.73	59.7	5.31	59.5	5.24	58.3	4.69
		63.4	75.2	6.67	70.4	6.44	66.7	6.18	65.9	5.75	65.7	5.65	64.3	5.05
		76.1	78.7	6.92	73.6	6.68	69.9	6.41	69.1	5.97	68.8	5.86	67.4	5.22
	32	20.3	103.9	8.18	95.7	7.90	89.3	7.56	87.5	7.03	86.3	6.93	83.2	6.19
		25.4	104.5	8.21	96.3	7.91	89.8	7.58	88.0	7.04	86.9	6.95	83.5	6.20
		50.7	106.9	8.31	98.4	7.99	92.0	7.68	90.1	7.12	88.8	7.03	85.4	6.26
		63.4	108.5	8.31	100.0	7.99	93.4	7.68	91.4	7.12	90.2	7.03	86.9	6.26
		76.1	109.3	8.31	100.8	7.99	94.1	7.68	92.1	7.12	90.9	7.03	87.5	6.26
	41	20.3	143.5	8.91	135.4	8.58	129.8	8.23	126.6	7.66	121.1	7.54	115.4	6.72
		25.4	143.8	8.96	135.7	8.63	129.8	8.27	126.6	7.70	121.1	7.58	115.4	6.75
		50.7	145.1	9.13	136.6	8.80	129.8	8.45	126.6	7.85	121.1	7.74	115.4	6.89
		63.4	145.1	9.21	136.5	8.86	129.8	8.51	126.6	7.91	121.1	7.78	115.4	6.95
		76.1	145.1	9.25	136.3	8.89	129.8	8.54	126.6	7.95	121.1	7.79	115.4	6.98
	50	20.3	144.3	8.19	135.9	7.84	129.8	7.46	126.6	6.97	121.1	6.84	115.4	6.12
		25.4	144.5	8.19	136.0	7.84	129.8	7.46	126.6	6.99	121.1	6.84	115.4	6.14
		50.7	145.1	8.19	136.6	7.84	129.8	7.46	126.6	7.07	121.1	6.81	115.4	6.20
		63.4	145.1	8.21	136.5	7.76	129.8	7.38	126.6	6.99	121.1	6.75	115.4	6.14
		76.1	145.1	8.22	136.3	7.71	129.8	7.34	126.6	6.95	121.1	6.73	115.4	6.11
	59	20.3	145.1	7.48	136.5	7.10	129.8	6.70	126.6	6.28	121.1	6.13	115.4	5.51
		25.4	145.1	7.42	136.5	7.04	129.8	6.65	126.6	6.28	121.1	6.09	115.4	5.51
		50.7	145.1	7.23	136.5	6.85	129.8	6.48	126.6	6.28	121.1	5.91	115.4	5.51
		63.4	145.1	7.23	136.5	6.65	129.8	6.28	126.6	6.09	121.1	5.72	115.4	5.33
		76.1	145.1	7.23	136.5	6.56	129.8	6.18	126.6	5.98	121.1	5.61	115.4	5.25
	68	20.3	145.1	6.53	136.5	6.13	129.8	5.76	126.6	5.56	121.1	5.39	115.4	4.99
		25.4	145.1	6.48	136.5	6.09	129.8	5.72	126.6	5.51	121.1	5.33	115.4	4.94
		50.7	145.1	6.28	136.5	5.91	129.8	5.51	126.6	5.33	121.1	5.14	115.4	4.77
		63.4	145.1	6.28	136.5	5.91	129.8	5.51	126.6	5.33	121.1	5.14	115.4	4.77
		76.1	145.1	6.28	136.5	5.91	129.8	5.51	126.6	5.33	121.1	5.14	115.4	4.77
	77	20.3	145.1	5.76	136.5	5.39	129.8	4.94	126.6	4.99	121.1	4.57	115.4	4.41
		25.4	145.1	5.72	136.5	5.33	129.8	4.94	126.6	4.94	121.1	4.57	115.4	4.38
		50.7	145.1	5.51	136.5	5.14	129.8	4.94	126.6	4.77	121.1	4.57	115.4	4.19
		63.4	145.1	5.51	136.5	5.14	129.8	4.77	126.6	4.77	121.1	4.57	115.4	4.19
		76.1	145.1	5.51	136.5	5.14	129.8	4.67	126.6	4.77	121.1	4.57	115.4	4.19
	86	20.3	145.1	5.19	136.5	4.81	129.8	4.61	126.6	4.41	121.1	4.24	115.4	4.05
		25.4	145.1	5.14	136.5	4.77	129.8	4.57	126.6	4.38	121.1	4.19	115.4	4.00
		50.7	145.1	4.94	136.5	4.57	129.8	4.38	126.6	4.19	121.1	4.00	115.4	3.80
		63.4	145.1	4.94	136.5	4.57	129.8	4.38	126.6	4.19	121.1	4.00	115.4	3.80
		76.1	145.1	4.94	136.5	4.57	129.8	4.38	126.6	4.19	121.1	4.00	115.4	3.80
	95	20.3	145.1	4.57	136.5	4.41	129.8	4.00	126.6	4.05	121.1	3.85	115.4	3.68
		25.4	145.1	4.57	136.5	4.38	129.8	4.00	126.6	4.00	121.1	3.80	115.4	3.63
		50.7	145.1	4.57	136.5	4.19	129.8	4.00	126.6	3.80	121.1	3.63	115.4	3.43
		63.4	145.1	4.57	136.5	4.19	129.8	3.80	126.6	3.80	121.1	3.63	115.4	3.43
		76.1	145.1	4.57	136.5	4.19	129.8	3.71	126.6	3.80	121.1	3.63	115.4	3.43
	104	20.3	145.1	4.19	136.5	4.05	129.8	3.63	126.6	3.68	121.1	3.47	115.4	3.23
		25.4	145.1	4.19	136.5	4.00	129.8	3.63	126.6	3.63	121.1	3.43	115.4	3.23
		50.7	145.1	4.19	136.5	3.80	129.8	3.63	126.6	3.43	121.1	3.23	115.4	3.23
		63.4	145.1	4.19	136.5	3.80	129.8	3.63	126.6	3.43	121.1	3.23	115.4	3.23
		76.1	145.1	4.19	136.5	3.80	129.8	3.63	126.6	3.43	121.1	3.23	115.4	3.23
	113	20.3	145.1	3.80	136.5	3.68	129.8	3.23	126.6	3.27	121.1	3.10	115.4	2.80
		25.4	145.1	3.80	136.5	3.63	129.8	3.23	126.6	3.23	121.1	3.05	115.4	2.85
		50.7	145.1	3.80	136.5	3.43	129.8	3.23	126.6	3.05	121.1	2.85	115.4	3.05
		63.4	145.1	3.80	136.5	3.43	129.8	3.43	126.6	3.05	121.1	2.85	115.4	3.05
		76.1	145.1	3.80	136.5	3.43	129.8	3.52	126.6	3.05	121.1	2.85	115.4	3.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN192BAS4, ARWB192BAS4

192,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	20.3	48.5	4.46	45.5	4.22	42.9	3.99	42.4	3.77	42.1	3.54	41.4	3.35
		25.4	50.1	4.55	47.0	4.31	44.5	4.08	43.8	3.86	43.7	3.63	42.7	3.43
		50.7	56.5	4.92	53.1	4.69	50.2	4.41	49.6	4.19	49.4	3.94	48.5	3.71
		63.4	62.5	5.31	58.7	5.05	55.5	4.77	54.9	4.53	54.4	4.24	53.6	4.00
		76.1	65.6	5.52	61.5	5.22	58.1	4.94	57.5	4.69	57.0	4.38	56.3	4.14
	32	20.3	86.3	6.53	79.9	6.19	74.3	5.83	72.7	5.53	71.7	5.20	69.1	4.91
		25.4	86.9	6.54	80.3	6.20	74.7	5.84	73.1	5.55	72.2	5.22	69.6	4.92
		50.7	88.8	6.59	82.2	6.26	76.5	5.92	74.9	5.63	73.9	5.28	71.2	4.98
		63.4	90.2	6.59	83.4	6.26	77.6	5.92	76.2	5.63	74.9	5.28	72.3	4.98
		76.1	90.9	6.59	84.0	6.26	78.1	5.92	76.8	5.63	75.5	5.28	73.0	4.98
	41	20.3	119.3	7.09	113.1	6.72	107.8	6.34	105.3	6.03	100.6	5.67	96.0	5.33
		25.4	119.5	7.12	113.3	6.75	107.9	6.37	105.3	6.06	100.6	5.69	96.0	5.36
		50.7	120.5	7.26	114.1	6.89	108.1	6.51	105.3	6.18	100.6	5.79	96.0	5.47
		63.4	120.5	7.32	113.9	6.95	108.1	6.56	105.3	6.22	100.6	5.84	96.0	5.51
		76.1	120.5	7.35	113.8	6.98	108.1	6.58	105.3	6.25	100.6	5.88	96.0	5.53
	50	20.3	120.0	6.53	113.4	6.15	107.8	5.78	105.3	5.53	100.6	5.11	96.0	4.88
		25.4	120.2	6.51	113.6	6.14	107.9	5.77	105.3	5.51	100.6	5.12	96.0	4.86
		50.7	120.5	6.48	114.1	6.12	108.1	5.73	105.3	5.47	100.6	5.17	96.0	4.83
		63.4	120.5	6.51	113.9	6.14	108.1	5.75	105.3	5.50	100.6	5.10	96.0	4.84
		76.1	120.5	6.54	113.8	6.15	108.1	5.76	105.3	5.50	100.6	5.06	96.0	4.86
	59	20.3	120.5	5.95	113.9	5.56	108.1	5.19	105.3	4.99	100.6	4.57	96.0	4.41
		25.4	120.5	5.91	113.9	5.51	108.1	5.14	105.3	4.94	100.6	4.57	96.0	4.38
		50.7	120.5	5.72	113.9	5.33	108.1	4.94	105.3	4.77	100.6	4.57	96.0	4.19
		63.4	120.5	5.72	113.9	5.33	108.1	4.94	105.3	4.77	100.6	4.38	96.0	4.19
		76.1	120.5	5.72	113.9	5.33	108.1	4.94	105.3	4.77	100.6	4.27	96.0	4.19
	68	20.3	120.5	5.19	113.9	4.81	108.1	4.61	105.3	4.41	100.6	4.24	96.0	3.80
		25.4	120.5	5.14	113.9	4.77	108.1	4.57	105.3	4.38	100.6	4.19	96.0	3.80
		50.7	120.5	4.94	113.9	4.57	108.1	4.38	105.3	4.19	100.6	4.00	96.0	3.80
		63.4	120.5	4.94	113.9	4.57	108.1	4.38	105.3	4.19	100.6	4.00	96.0	3.80
		76.1	120.5	4.94	113.9	4.57	108.1	4.38	105.3	4.19	100.6	4.00	96.0	3.80
	77	20.3	120.5	4.61	113.9	4.19	108.1	4.05	105.3	3.80	100.6	3.63	96.0	3.43
		25.4	120.5	4.57	113.9	4.19	108.1	4.00	105.3	3.80	100.6	3.63	96.0	3.43
		50.7	120.5	4.38	113.9	4.19	108.1	3.80	105.3	3.80	100.6	3.63	96.0	3.43
		63.4	120.5	4.38	113.9	4.19	108.1	3.80	105.3	3.80	100.6	3.63	96.0	3.43
		76.1	120.5	4.38	113.9	4.19	108.1	3.80	105.3	3.80	100.6	3.63	96.0	3.43
	86	20.3	120.5	4.24	113.9	3.85	108.1	3.68	105.3	3.43	100.6	3.47	96.0	3.27
		25.4	120.5	4.19	113.9	3.80	108.1	3.63	105.3	3.43	100.6	3.43	96.0	3.23
		50.7	120.5	4.00	113.9	3.63	108.1	3.43	105.3	3.43	100.6	3.23	96.0	3.05
		63.4	120.5	4.00	113.9	3.63	108.1	3.43	105.3	3.43	100.6	3.23	96.0	3.05
		76.1	120.5	4.00	113.9	3.63	108.1	3.43	105.3	3.43	100.6	3.23	96.0	3.05
	95	20.3	120.5	3.85	113.9	3.43	108.1	3.23	105.3	3.27	100.6	3.05	96.0	2.85
		25.4	120.5	3.80	113.9	3.43	108.1	3.23	105.3	3.23	100.6	3.05	96.0	2.85
		50.7	120.5	3.63	113.9	3.43	108.1	3.23	105.3	3.05	100.6	3.05	96.0	2.85
		63.4	120.5	3.63	113.9	3.43	108.1	3.23	105.3	3.05	100.6	3.05	96.0	2.85
		76.1	120.5	3.63	113.9	3.43	108.1	3.23	105.3	3.05	100.6	3.05	96.0	2.85
	104	20.3	120.5	3.47	113.9	3.27	108.1	3.10	105.3	2.85	100.6	2.90	96.0	2.66
		25.4	120.5	3.43	113.9	3.23	108.1	3.05	105.3	2.85	100.6	2.85	96.0	2.66
		50.7	120.5	3.23	113.9	3.05	108.1	2.85	105.3	2.85	100.6	2.66	96.0	2.66
		63.4	120.5	3.23	113.9	3.05	108.1	2.85	105.3	2.85	100.6	2.66	96.0	2.66
		76.1	120.5	3.23	113.9	3.05	108.1	2.85	105.3	2.85	100.6	2.66	96.0	2.66
	113	20.3	120.5	3.10	113.9	3.15	108.1	2.95	105.3	2.43	100.6	2.76	96.0	2.48
		25.4	120.5	3.05	113.9	3.05	108.1	2.85	105.3	2.48	100.6	2.66	96.0	2.48
		50.7	120.5	2.85	113.9	2.66	108.1	2.48	105.3	2.66	100.6	2.29	96.0	2.48
		63.4	120.5	2.85	113.9	2.66	108.1	2.48	105.3	2.66	100.6	2.29	96.0	2.48
		76.1	120.5	2.85	113.9	2.66	108.1	2.48	105.3	2.66	100.6	2.29	96.0	2.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	22.3	114.9	13.84	114.1	13.03	113.4	12.13	111.9	11.77	113.2	11.47	110.1	10.28
		27.9	118.9	14.09	118.0	13.29	117.3	12.40	115.8	12.03	117.1	11.71	114.0	10.51
		55.8	134.5	15.04	133.4	14.29	132.7	13.45	130.9	13.06	132.5	12.70	129.0	11.40
		69.8	148.8	16.00	147.4	15.27	146.5	14.49	144.6	14.11	146.5	13.70	142.6	12.28
		83.7	155.9	16.48	154.5	15.77	153.4	15.03	151.6	14.64	153.6	14.20	149.4	12.73
	32	22.3	205.4	18.94	200.7	18.37	196.4	17.77	192.1	17.27	192.8	16.80	184.0	15.04
		27.9	206.6	18.98	201.9	18.42	197.6	17.82	193.2	17.32	193.9	16.84	185.1	15.09
		55.8	211.6	19.19	206.4	18.59	202.1	18.03	197.8	17.53	198.5	17.03	189.6	15.27
		69.8	214.8	19.19	209.5	18.59	205.2	18.03	200.7	17.53	201.4	17.03	192.3	15.27
		83.7	216.3	19.19	211.2	18.59	206.8	18.03	202.2	17.53	202.9	17.03	193.8	15.27
	41	22.3	295.8	20.36	291.3	19.85	285.2	19.34	278.1	18.80	270.6	18.28	255.6	16.37
		27.9	296.8	20.45	291.9	19.94	285.3	19.45	278.1	18.90	270.6	18.37	255.6	16.46
		55.8	300.9	20.81	293.9	20.31	285.5	19.84	278.1	19.29	270.6	18.74	255.6	16.80
		69.8	302.7	20.95	294.8	20.45	285.5	19.97	278.1	19.42	270.6	18.87	255.6	16.91
		83.7	303.6	21.01	295.2	20.52	285.5	20.04	278.1	19.49	270.6	18.94	255.6	16.97
	50	22.3	296.1	18.52	291.3	17.90	284.4	17.56	276.9	17.17	269.5	16.58	254.7	14.96
		27.9	297.9	18.49	292.8	17.91	285.5	17.59	278.1	17.16	270.6	16.57	255.6	14.96
		55.8	304.9	18.35	298.2	17.98	290.0	17.74	282.6	17.14	274.6	16.52	259.8	14.90
		69.8	306.5	18.59	300.2	18.23	291.9	17.80	283.9	17.20	276.5	16.80	261.3	15.61
		83.7	307.3	18.72	301.2	18.36	292.8	17.84	284.6	17.24	277.4	16.94	262.1	15.97
	59	22.3	296.6	16.69	291.4	15.98	283.2	15.81	275.7	15.55	268.5	14.89	253.6	13.57
		27.9	299.1	16.52	293.7	15.91	285.5	15.77	278.1	15.43	270.6	14.77	255.6	13.45
		55.8	308.8	15.87	302.4	15.64	294.6	15.64	287.1	14.97	278.7	14.32	263.8	12.99
		69.8	310.4	16.25	305.4	16.00	298.2	15.64	290.0	14.97	282.6	14.73	267.0	14.32
		83.7	311.1	16.45	306.9	16.19	300.0	15.64	291.5	14.97	284.5	14.93	268.5	14.98
	68	22.3	307.9	15.32	302.3	14.60	294.3	14.28	286.2	13.83	277.8	13.51	261.3	13.10
		27.9	310.4	15.20	304.7	14.58	296.6	14.26	288.4	13.88	280.3	13.61	263.8	12.99
		55.8	320.1	14.77	314.4	14.54	305.6	14.22	297.5	14.11	290.0	13.97	273.5	12.56
		69.8	321.4	14.77	316.7	14.54	309.3	14.32	300.4	14.11	292.3	13.97	275.8	13.35
		83.7	322.1	14.77	317.8	14.54	311.1	14.36	301.9	14.11	293.4	13.97	276.9	13.76
	77	22.3	325.1	14.60	316.7	14.18	309.3	13.94	303.3	13.70	296.6	13.51	279.6	12.61
		27.9	325.1	14.54	316.7	14.16	309.3	13.88	303.3	13.65	296.6	13.45	279.6	12.56
		55.8	325.1	14.32	316.7	14.06	309.3	13.65	303.3	13.45	296.6	13.22	279.6	12.33
		69.8	325.1	14.11	316.7	13.70	309.3	13.45	303.3	13.22	296.6	12.99	279.6	12.12
		83.7	325.1	14.00	316.7	13.51	309.3	13.35	303.3	13.10	296.6	12.87	279.6	12.02
	86	22.3	325.1	14.22	316.7	13.51	309.3	13.39	303.3	13.05	296.6	12.90	279.6	12.00
		27.9	325.1	14.11	316.7	13.49	309.3	13.31	303.3	12.99	296.6	12.79	279.6	11.90
		55.8	325.1	13.65	316.7	13.41	309.3	12.99	303.3	12.79	296.6	12.33	279.6	11.47
		69.8	325.1	13.45	316.7	13.03	309.3	12.79	303.3	12.56	296.6	12.33	279.6	11.47
		83.7	325.1	13.35	316.7	12.86	309.3	12.68	303.3	12.44	296.6	12.33	279.6	11.47
	95	22.3	325.1	13.57	316.7	13.12	309.3	12.84	303.3	12.38	296.6	11.96	279.6	11.12
		27.9	325.1	13.45	316.7	13.03	309.3	12.79	303.3	12.33	296.6	11.90	279.6	11.01
		55.8	325.1	12.99	316.7	12.74	309.3	12.56	303.3	12.12	296.6	11.67	279.6	10.57
		69.8	325.1	12.99	316.7	12.60	309.3	12.33	303.3	11.90	296.6	11.47	279.6	10.57
		83.7	325.1	12.99	316.7	12.54	309.3	12.22	303.3	11.79	296.6	11.37	279.6	10.57
	104	22.3	325.1	13.10	316.7	12.68	309.3	12.44	303.3	12.00	296.6	11.58	279.6	10.46
		27.9	325.1	12.99	316.7	12.60	309.3	12.33	303.3	11.90	296.6	11.47	279.6	10.35
		55.8	325.1	12.56	316.7	12.28	309.3	11.90	303.3	11.47	296.6	11.01	279.6	9.92
		69.8	325.1	12.33	316.7	12.08	309.3	11.90	303.3	11.47	296.6	11.01	279.6	9.92
		83.7	325.1	12.22	316.7	11.98	309.3	11.90	303.3	11.47	296.6	11.01	279.6	9.92
	113	22.3	325.1	12.67	316.7	12.25	309.3	12.06	303.3	11.63	296.6	11.18	279.6	9.80
		27.9	325.1	12.56	316.7	12.18	309.3	11.90	303.3	11.47	296.6	11.01	279.6	9.69
		55.8	325.1	12.12	316.7	11.86	309.3	11.24	303.3	10.80	296.6	10.35	279.6	9.25
		69.8	325.1	11.67	316.7	11.56	309.3	11.47	303.3	11.01	296.6	10.57	279.6	9.25
		83.7	325.1	11.44	316.7	11.41	309.3	11.58	303.3	11.11	296.6	10.69	279.6	9.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	22.3	109.2	13.84	108.4	13.03	107.7	12.13	106.5	11.63	107.3	11.28	104.4	10.10
		27.9	113.0	14.09	112.1	13.29	111.4	12.40	110.1	11.87	111.0	11.54	108.0	10.32
		55.8	127.9	15.04	126.8	14.29	126.1	13.45	124.5	12.87	125.7	12.51	122.3	11.21
		69.8	141.3	16.00	140.1	15.27	139.2	14.49	137.7	13.90	138.8	13.49	135.0	12.08
		83.7	148.0	16.48	146.9	15.77	145.8	15.03	144.3	14.42	145.4	13.99	141.3	12.51
	32	22.3	195.3	18.94	190.5	18.37	186.5	17.77	182.7	17.02	182.7	16.55	174.3	14.80
		27.9	196.5	18.98	191.7	18.42	187.6	17.82	183.8	17.07	183.8	16.59	175.4	14.84
		55.8	201.0	19.19	196.2	18.59	192.1	18.03	188.1	17.28	188.1	16.78	179.7	15.02
		69.8	204.1	19.19	199.4	18.59	195.1	18.03	191.0	17.28	190.8	16.78	182.4	15.02
		83.7	205.7	19.19	201.0	18.59	196.5	18.03	192.5	17.28	192.2	16.78	183.8	15.02
	41	22.3	281.5	20.36	277.3	19.85	271.2	19.34	264.7	18.52	256.3	18.01	242.3	16.13
		27.9	282.6	20.45	277.8	19.94	271.2	19.45	264.7	18.62	256.3	18.10	242.3	16.20
		55.8	286.6	20.81	279.9	20.31	271.2	19.84	264.7	19.01	256.3	18.46	242.3	16.52
		69.8	288.2	20.95	278.3	20.45	271.2	19.97	264.7	19.14	256.3	18.59	242.3	16.64
		83.7	289.0	21.01	277.5	20.52	271.2	20.04	264.7	19.21	256.3	18.67	242.3	16.70
	50	22.3	282.6	18.29	277.3	17.78	270.5	17.42	264.0	16.89	255.6	16.33	241.7	14.68
		27.9	283.9	18.35	278.5	17.85	271.2	17.48	264.7	16.91	256.3	16.32	242.3	14.70
		55.8	289.1	18.59	283.0	18.12	274.2	17.74	267.6	17.00	259.0	16.27	244.8	14.77
		69.8	290.7	18.53	282.1	18.12	275.3	17.80	268.8	17.07	260.2	16.35	246.0	15.27
		83.7	291.5	18.49	281.7	18.12	275.9	17.84	269.4	17.10	260.7	16.38	246.5	15.52
	59	22.3	283.4	16.22	277.7	15.74	269.7	15.49	263.2	15.26	255.0	14.65	241.0	13.28
		27.9	285.0	16.25	279.4	15.77	271.2	15.52	264.7	15.20	256.3	14.54	242.3	13.22
		55.8	291.6	16.39	286.2	15.91	277.4	15.64	270.6	14.97	261.6	14.11	247.5	12.99
		69.8	293.2	16.13	285.9	15.77	279.6	15.64	272.8	14.97	263.8	14.11	249.8	13.88
		83.7	294.0	16.01	285.9	15.71	280.8	15.64	274.0	14.97	264.9	14.11	250.9	14.33
	68	22.3	291.3	14.58	285.8	13.97	277.2	13.60	269.5	13.39	260.8	13.23	246.7	12.56
		27.9	293.2	14.58	287.5	14.02	278.7	13.65	271.2	13.45	262.5	13.22	248.2	12.51
		55.8	300.6	14.58	294.3	14.22	284.8	13.88	278.1	13.65	269.0	13.18	254.1	12.33
		69.8	302.0	14.45	294.1	14.11	287.1	13.88	279.6	13.65	270.6	13.22	255.6	12.79
		83.7	302.7	14.38	294.0	14.05	288.2	13.88	280.4	13.65	271.4	13.25	256.5	13.02
	77	22.3	305.4	13.80	296.6	13.15	287.1	12.90	281.0	12.61	273.5	12.38	258.6	11.52
		27.9	305.6	13.74	296.6	13.13	287.1	12.87	281.0	12.56	273.5	12.33	258.6	11.47
		55.8	306.3	13.54	296.6	13.03	287.1	12.79	281.0	12.33	273.5	12.12	258.6	11.24
		69.8	307.2	13.03	296.6	12.70	287.1	12.56	281.0	12.33	273.5	11.90	258.6	11.24
		83.7	307.7	12.79	296.6	12.52	287.1	12.44	281.0	12.33	273.5	11.79	258.6	11.24
	86	22.3	307.2	13.19	296.6	12.54	287.1	12.18	281.0	11.73	273.5	11.58	258.6	10.63
		27.9	307.2	13.09	296.6	12.47	287.1	12.12	281.0	11.67	273.5	11.47	258.6	10.57
		55.8	307.2	12.65	296.6	12.18	287.1	11.90	281.0	11.47	273.5	11.01	258.6	10.35
		69.8	307.2	12.24	296.6	11.90	287.1	11.67	281.0	11.47	273.5	11.01	258.6	10.14
		83.7	307.2	12.03	296.6	11.76	287.1	11.55	281.0	11.47	273.5	11.01	258.6	10.04
	95	22.3	307.2	12.60	296.6	11.92	287.1	11.58	281.0	11.12	273.5	10.69	258.6	9.74
		27.9	307.2	12.42	296.6	11.80	287.1	11.47	281.0	11.01	273.5	10.57	258.6	9.69
		55.8	307.2	11.71	296.6	11.37	287.1	11.01	281.0	10.57	273.5	10.14	258.6	9.48
		69.8	307.2	11.58	296.6	11.28	287.1	11.01	281.0	10.57	273.5	10.14	258.6	9.25
		83.7	307.2	11.51	296.6	11.24	287.1	11.01	281.0	10.57	273.5	10.14	258.6	9.14
	104	22.3	307.2	12.22	296.6	11.37	287.1	10.92	281.0	10.46	273.5	10.02	258.6	9.08
		27.9	307.2	11.99	296.6	11.24	287.1	10.80	281.0	10.35	273.5	9.92	258.6	9.02
		55.8	307.2	11.05	296.6	10.71	287.1	10.35	281.0	9.92	273.5	9.48	258.6	8.82
		69.8	307.2	10.92	296.6	10.57	287.1	10.35	281.0	9.92	273.5	9.48	258.6	8.59
		83.7	307.2	10.85	296.6	10.51	287.1	10.35	281.0	9.92	273.5	9.48	258.6	8.48
	113	22.3	307.2	11.85	296.6	10.82	287.1	10.25	281.0	9.80	273.5	9.37	258.6	8.41
		27.9	307.2	11.56	296.6	10.67	287.1	10.14	281.0	9.69	273.5	9.25	258.6	8.37
		55.8	307.2	10.40	296.6	10.05	287.1	9.69	281.0	9.25	273.5	8.82	258.6	8.16
		69.8	307.2	10.25	296.6	9.87	287.1	9.69	281.0	9.25	273.5	8.82	258.6	7.93
		83.7	307.2	10.19	296.6	9.77	287.1	9.69	281.0	9.25	273.5	8.82	258.6	7.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN216BAS4, ARWB216BAS4
216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	22.3	103.4	14.03	102.7	13.03	102.0	12.13	101.0	11.63	101.2	11.28	99.0	10.10
		27.9	106.9	14.26	106.2	13.29	105.6	12.40	104.4	11.87	104.7	11.54	102.4	10.32
		55.8	120.9	15.23	120.3	14.29	119.6	13.45	118.2	12.87	118.2	12.51	116.0	11.21
		69.8	133.6	16.20	132.7	15.27	132.0	14.49	130.7	13.90	130.7	13.49	127.9	12.08
		83.7	140.0	16.70	138.9	15.77	138.3	15.03	136.9	14.42	136.9	13.99	134.0	12.51
	32	22.3	184.8	19.19	180.6	18.37	176.9	17.77	173.5	17.02	171.9	16.55	165.4	14.80
		27.9	185.8	19.24	181.8	18.42	177.9	17.82	174.5	17.07	172.9	16.59	166.4	14.84
		55.8	190.1	19.42	186.0	18.59	182.0	18.03	178.6	17.28	177.0	16.78	170.2	15.02
		69.8	193.0	19.42	189.0	18.59	184.9	18.03	181.3	17.28	179.7	16.78	172.7	15.02
		83.7	194.5	19.42	190.5	18.59	186.4	18.03	182.7	17.28	181.1	16.78	174.0	15.02
	41	22.3	269.4	20.63	263.1	19.85	257.0	19.34	251.1	18.52	241.4	18.01	229.7	16.13
		27.9	270.3	20.72	263.6	19.94	257.0	19.45	251.1	18.62	241.4	18.10	229.7	16.20
		55.8	273.9	21.08	265.6	20.31	257.2	19.84	251.1	19.01	241.4	18.46	229.7	16.52
		69.8	275.6	21.23	266.3	20.45	257.2	19.97	251.1	19.14	241.4	18.59	229.7	16.64
		83.7	276.3	21.29	266.6	20.52	257.2	20.04	251.1	19.21	241.4	18.67	229.7	16.70
	50	22.3	270.5	18.49	263.8	17.87	256.6	17.48	250.8	16.89	241.0	16.33	229.4	14.68
		27.9	271.5	18.53	264.5	17.91	257.0	17.53	251.1	16.91	241.4	16.32	229.7	14.70
		55.8	275.6	18.67	267.2	18.12	258.6	17.74	252.7	17.00	243.0	16.27	230.8	14.77
		69.8	277.2	18.67	268.3	18.12	259.5	17.69	253.2	16.96	243.5	16.35	231.5	14.93
		83.7	277.9	18.67	268.9	18.12	260.0	17.67	253.4	16.94	243.7	16.38	231.8	15.01
	59	22.3	271.2	16.36	264.2	15.91	256.5	15.64	250.4	15.26	240.6	14.65	229.1	13.28
		27.9	272.4	16.35	265.2	15.91	257.2	15.64	251.1	15.20	241.4	14.54	229.7	13.22
		55.8	276.9	16.25	269.0	15.91	260.2	15.64	254.1	14.97	244.6	14.11	231.9	12.99
		69.8	278.5	16.13	270.3	15.77	261.6	15.43	255.0	14.77	245.3	14.11	233.3	13.22
		83.7	279.3	16.08	271.0	15.71	262.2	15.33	255.4	14.67	245.6	14.11	234.0	13.34
	68	22.3	276.3	14.13	268.8	13.79	260.1	13.45	253.1	13.22	243.9	12.84	231.0	12.02
		27.9	277.8	14.16	269.7	13.79	260.9	13.45	254.1	13.22	244.6	12.79	231.9	11.99
		55.8	283.7	14.26	273.3	13.79	263.8	13.45	257.9	13.22	247.5	12.56	235.5	11.90
		69.8	285.3	14.26	275.6	13.79	265.4	13.45	258.6	12.99	248.9	12.56	236.2	11.90
		83.7	286.1	14.26	276.7	13.79	266.2	13.45	258.9	12.87	249.6	12.56	236.6	11.90
	77	22.3	285.0	12.86	276.5	12.38	265.4	12.18	259.5	11.73	250.5	11.29	237.1	10.35
		27.9	285.5	12.83	276.5	12.33	265.4	12.12	259.5	11.67	250.5	11.24	237.1	10.35
		55.8	287.7	12.74	276.5	12.12	265.4	11.90	259.5	11.47	250.5	11.01	237.1	10.35
		69.8	289.1	12.74	276.5	12.18	265.4	11.67	259.5	11.47	250.5	10.80	237.1	10.14
		83.7	289.8	12.74	276.5	12.19	265.4	11.55	259.5	11.47	250.5	10.70	237.1	10.04
	86	22.3	289.1	11.73	276.5	11.29	265.4	10.86	259.5	10.63	250.5	9.98	237.1	9.31
		27.9	289.1	11.67	276.5	11.24	265.4	10.80	259.5	10.57	250.5	9.92	237.1	9.25
		55.8	289.1	11.47	276.5	11.01	265.4	10.57	259.5	10.35	250.5	9.69	237.1	9.02
		69.8	289.1	11.37	276.5	10.80	265.4	10.35	259.5	10.14	250.5	9.69	237.1	9.02
		83.7	289.1	11.32	276.5	10.70	265.4	10.24	259.5	10.04	250.5	9.69	237.1	9.02
	95	22.3	289.1	11.12	276.5	10.40	265.4	9.98	259.5	9.54	250.5	9.08	237.1	8.41
		27.9	289.1	11.01	276.5	10.35	265.4	9.92	259.5	9.48	250.5	9.02	237.1	8.37
		55.8	289.1	10.57	276.5	10.14	265.4	9.69	259.5	9.25	250.5	8.82	237.1	8.16
		69.8	289.1	10.31	276.5	9.92	265.4	9.48	259.5	9.25	250.5	8.82	237.1	8.16
		83.7	289.1	10.16	276.5	9.80	265.4	9.38	259.5	9.25	250.5	8.82	237.1	8.16
	104	22.3	289.1	10.46	276.5	10.02	265.4	9.37	259.5	8.88	250.5	8.41	237.1	7.76
		27.9	289.1	10.35	276.5	9.92	265.4	9.25	259.5	8.82	250.5	8.37	237.1	7.70
		55.8	289.1	9.92	276.5	9.48	265.4	8.82	259.5	8.59	250.5	8.16	237.1	7.50
		69.8	289.1	9.78	276.5	9.25	265.4	8.82	259.5	8.37	250.5	7.93	237.1	7.27
		83.7	289.1	9.71	276.5	9.14	265.4	8.82	259.5	8.25	250.5	7.82	237.1	7.15
	113	22.3	289.1	9.80	276.5	9.65	265.4	8.76	259.5	8.22	250.5	7.76	237.1	7.10
		27.9	289.1	9.69	276.5	9.48	265.4	8.59	259.5	8.16	250.5	7.70	237.1	7.04
		55.8	289.1	9.25	276.5	8.82	265.4	7.93	259.5	7.93	250.5	7.50	237.1	6.84
		69.8	289.1	9.25	276.5	8.59	265.4	8.16	259.5	7.50	250.5	7.04	237.1	6.38
		83.7	289.1	9.25	276.5	8.48	265.4	8.27	259.5	7.28	250.5	6.82	237.1	6.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	22.3	97.7	14.03	97.0	13.22	96.6	12.13	95.7	11.63	94.8	11.11	93.0	10.10
		27.9	101.1	14.26	100.4	13.47	99.9	12.40	99.0	11.87	98.1	11.35	96.3	10.32
		55.8	114.4	15.23	113.7	14.48	113.0	13.45	111.9	12.87	111.0	12.33	109.2	11.21
		69.8	126.3	16.20	125.4	15.48	124.8	14.49	123.6	13.90	122.7	13.29	120.5	12.08
		83.7	132.4	16.70	131.4	15.98	130.7	15.03	129.6	14.42	128.7	13.77	126.2	12.51
	32	22.3	174.6	19.19	170.7	18.62	167.2	17.77	164.3	17.02	161.4	16.29	155.7	14.80
		27.9	175.6	19.24	171.8	18.67	168.2	17.82	165.3	17.07	162.3	16.35	156.6	14.84
		55.8	179.7	19.42	175.8	18.85	172.0	18.03	169.1	17.28	166.2	16.52	160.2	15.02
		69.8	182.4	19.42	178.6	18.85	174.7	18.03	171.6	17.28	168.6	16.52	162.8	15.02
		83.7	183.8	19.42	180.0	18.85	176.1	18.03	172.8	17.28	169.9	16.52	164.0	15.02
	41	22.3	257.7	20.63	249.1	20.13	242.7	19.34	237.8	18.52	226.5	17.74	216.1	16.13
		27.9	258.6	20.72	249.6	20.21	242.7	19.45	237.8	18.62	226.5	17.82	216.1	16.20
		55.8	262.2	21.08	251.4	20.58	243.0	19.84	237.8	19.01	226.5	18.19	216.1	16.52
		69.8	263.8	21.23	252.0	20.72	243.0	19.97	237.8	19.14	226.5	18.30	216.1	16.64
		83.7	264.6	21.29	252.4	20.79	243.0	20.04	237.8	19.21	226.5	18.36	216.1	16.70
	50	22.3	259.1	18.45	249.9	18.04	243.0	17.48	237.8	16.89	226.5	16.06	216.1	14.68
		27.9	259.8	18.53	250.2	18.10	243.0	17.53	237.8	16.91	226.5	16.07	216.1	14.70
		55.8	262.2	18.87	251.6	18.33	243.0	17.74	237.8	17.00	226.5	16.13	216.1	14.77
		69.8	264.0	18.81	252.7	18.33	243.0	17.69	237.8	16.96	226.5	16.09	216.1	14.70
		83.7	264.9	18.77	253.3	18.33	243.0	17.67	237.8	16.94	226.5	16.07	216.1	14.67
	59	22.3	260.5	16.26	251.0	15.99	243.0	15.64	237.8	15.26	226.5	14.36	216.1	13.28
		27.9	260.9	16.35	251.1	16.00	243.0	15.64	237.8	15.20	226.5	14.32	216.1	13.22
		55.8	262.2	16.66	251.8	16.04	243.0	15.64	237.8	14.97	226.5	14.11	216.1	12.99
		69.8	264.5	16.39	253.2	15.91	243.0	15.43	237.8	14.77	226.5	13.88	216.1	12.79
		83.7	265.6	16.25	253.8	15.84	243.0	15.33	237.8	14.67	226.5	13.77	216.1	12.68
	68	22.3	261.9	13.91	252.3	13.55	243.0	13.22	237.8	13.05	226.5	12.18	216.1	11.58
		27.9	262.9	13.97	252.5	13.57	243.0	13.22	237.8	12.99	226.5	12.12	216.1	11.47
		55.8	266.7	14.22	253.2	13.61	243.0	13.22	237.8	12.79	226.5	11.90	216.1	11.01
		69.8	268.3	13.97	255.4	13.49	243.0	12.99	237.8	12.56	226.5	11.67	216.1	10.80
		83.7	269.1	13.84	256.5	13.44	243.0	12.87	237.8	12.44	226.5	11.55	216.1	10.70
	77	22.3	265.1	12.16	256.3	11.77	243.0	11.29	237.8	10.86	226.5	10.20	216.1	9.25
		27.9	266.1	12.18	256.3	11.71	243.0	11.24	237.8	10.80	226.5	10.14	216.1	9.25
		55.8	269.9	12.22	256.3	11.47	243.0	11.01	237.8	10.57	226.5	9.92	216.1	9.25
		69.8	271.2	11.95	256.3	11.37	243.0	10.80	237.8	10.35	226.5	9.92	216.1	9.02
		83.7	271.9	11.80	256.3	11.32	243.0	10.70	237.8	10.24	226.5	9.92	216.1	8.91
	86	22.3	271.2	11.06	256.3	10.20	243.0	9.50	237.8	9.31	226.5	8.59	216.1	8.22
		27.9	271.2	11.01	256.3	10.14	243.0	9.48	237.8	9.25	226.5	8.59	216.1	8.16
		55.8	271.2	10.80	256.3	9.92	243.0	9.40	237.8	9.02	226.5	8.59	216.1	7.93
		69.8	271.2	10.57	256.3	9.92	243.0	9.25	237.8	9.02	226.5	8.37	216.1	7.93
		83.7	271.2	10.46	256.3	9.92	243.0	9.18	237.8	9.02	226.5	8.25	216.1	7.93
	95	22.3	271.2	10.25	256.3	9.37	243.0	8.39	237.8	8.22	226.5	7.76	216.1	7.10
		27.9	271.2	10.14	256.3	9.25	243.0	8.37	237.8	8.16	226.5	7.70	216.1	7.04
		55.8	271.2	9.69	256.3	8.82	243.0	8.27	237.8	7.93	226.5	7.50	216.1	6.84
		69.8	271.2	9.69	256.3	8.82	243.0	8.16	237.8	7.93	226.5	7.50	216.1	6.84
		83.7	271.2	9.69	256.3	8.82	243.0	8.11	237.8	7.93	226.5	7.50	216.1	6.84
	104	22.3	271.2	9.60	256.3	8.70	243.0	7.52	237.8	7.33	226.5	6.89	216.1	6.43
		27.9	271.2	9.48	256.3	8.59	243.0	7.50	237.8	7.27	226.5	6.84	216.1	6.38
		55.8	271.2	9.02	256.3	8.16	243.0	7.41	237.8	7.04	226.5	6.62	216.1	6.18
		69.8	271.2	8.82	256.3	8.16	243.0	7.27	237.8	7.04	226.5	6.62	216.1	6.18
		83.7	271.2	8.72	256.3	8.16	243.0	7.20	237.8	7.04	226.5	6.62	216.1	6.18
	113	22.3	271.2	8.93	256.3	8.04	243.0	6.63	237.8	6.43	226.5	6.01	216.1	5.78
		27.9	271.2	8.82	256.3	7.93	243.0	6.62	237.8	6.38	226.5	5.95	216.1	5.72
		55.8	271.2	8.37	256.3	7.50	243.0	6.52	237.8	6.18	226.5	5.72	216.1	5.52
		69.8	271.2	7.93	256.3	7.50	243.0	6.38	237.8	6.18	226.5	5.72	216.1	5.52
		83.7	271.2	7.72	256.3	7.50	243.0	6.31	237.8	6.18	226.5	5.72	216.1	5.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	22.3	92.2	13.02	89.4	11.86	86.7	10.41	86.1	9.92	85.4	9.57	84.0	8.59
		27.9	95.4	13.25	92.4	12.08	89.7	10.64	89.1	10.14	88.4	9.78	86.8	8.77
		55.8	108.0	14.13	104.7	12.97	101.5	11.56	100.8	11.01	100.2	10.63	98.1	9.53
		69.8	119.4	15.02	115.5	13.88	112.1	12.47	111.2	11.87	110.5	11.44	108.5	10.28
		83.7	125.1	15.47	121.0	14.34	117.5	12.93	116.4	12.31	115.8	11.86	113.7	10.66
	32	22.3	165.0	17.74	157.3	16.64	150.1	15.28	147.9	14.57	145.4	14.02	140.0	12.60
		27.9	165.9	17.78	158.2	16.68	151.0	15.32	148.8	14.61	146.3	14.06	140.8	12.63
		55.8	169.8	17.96	161.8	16.87	154.6	15.48	152.1	14.77	149.7	14.22	144.2	12.77
		69.8	172.2	17.96	164.4	16.87	157.1	15.48	154.4	14.77	152.1	14.22	146.5	12.77
		83.7	173.5	17.96	165.6	16.87	158.4	15.48	155.5	14.77	153.4	14.22	147.6	12.77
	41	22.3	233.1	19.04	225.6	17.97	218.4	16.62	213.9	15.85	204.3	15.26	194.7	13.70
		27.9	233.3	19.13	225.3	18.05	218.4	16.71	213.9	15.93	204.3	15.34	194.7	13.77
		55.8	234.2	19.46	224.7	18.39	218.4	17.03	213.9	16.25	204.3	15.65	194.7	14.04
		69.8	235.5	19.58	225.3	18.51	218.4	17.16	213.9	16.36	204.3	15.77	194.7	14.16
		83.7	236.2	19.64	225.7	18.56	218.4	17.23	213.9	16.42	204.3	15.83	194.7	14.22
	50	22.3	234.3	16.81	226.3	15.98	218.4	15.05	213.9	14.44	204.3	13.84	194.7	12.48
		27.9	234.2	16.82	226.0	16.00	218.4	15.07	213.9	14.45	204.3	13.84	194.7	12.49
		55.8	233.7	16.87	224.9	16.07	218.4	15.13	213.9	14.52	204.3	13.79	194.7	12.54
		69.8	235.3	16.82	225.6	16.03	218.4	15.09	213.9	14.48	204.3	13.84	194.7	12.58
		83.7	236.1	16.80	225.9	16.00	218.4	15.06	213.9	14.45	204.3	13.86	194.7	12.61
	59	22.3	235.5	14.55	227.1	14.03	218.4	13.51	213.9	13.05	204.3	12.44	194.7	11.29
		27.9	235.1	14.49	226.7	13.97	218.4	13.45	213.9	12.99	204.3	12.33	194.7	11.24
		55.8	233.5	14.26	225.1	13.74	218.4	13.22	213.9	12.79	204.3	11.90	194.7	11.01
		69.8	235.1	14.06	225.8	13.54	218.4	12.99	213.9	12.56	204.3	11.90	194.7	11.01
		83.7	235.9	13.96	226.2	13.44	218.4	12.87	213.9	12.44	204.3	11.90	194.7	11.01
	68	22.3	236.9	12.28	228.1	11.93	218.4	11.52	213.9	11.06	204.3	10.69	194.7	10.02
		27.9	236.7	12.28	227.7	11.90	218.4	11.47	213.9	11.01	204.3	10.57	194.7	9.92
		55.8	235.8	12.28	225.8	11.76	218.4	11.24	213.9	10.80	204.3	10.14	194.7	9.48
		69.8	236.4	12.08	226.5	11.67	218.4	11.24	213.9	10.80	204.3	10.14	194.7	9.48
		83.7	236.8	11.98	226.8	11.63	218.4	11.24	213.9	10.80	204.3	10.14	194.7	9.48
	77	22.3	240.9	10.73	231.0	10.17	218.4	9.74	213.9	9.25	204.3	8.88	194.7	8.22
		27.9	241.4	10.71	231.0	10.14	218.4	9.69	213.9	9.25	204.3	8.82	194.7	8.16
		55.8	243.7	10.63	231.0	10.05	218.4	9.48	213.9	9.25	204.3	8.59	194.7	7.93
		69.8	244.6	10.35	231.0	9.82	218.4	9.48	213.9	9.02	204.3	8.59	194.7	7.93
		83.7	245.1	10.21	231.0	9.71	218.4	9.48	213.9	8.91	204.3	8.59	194.7	7.93
	86	22.3	244.6	9.74	231.0	9.08	218.4	8.41	213.9	8.22	204.3	7.76	194.7	7.04
		27.9	244.6	9.69	231.0	9.02	218.4	8.37	213.9	8.16	204.3	7.70	194.7	7.04
		55.8	244.6	9.48	231.0	8.82	218.4	8.16	213.9	7.93	204.3	7.50	194.7	7.04
		69.8	244.6	9.25	231.0	8.59	218.4	8.16	213.9	7.93	204.3	7.50	194.7	6.84
		83.7	244.6	9.14	231.0	8.48	218.4	8.16	213.9	7.93	204.3	7.50	194.7	6.73
	95	22.3	244.6	8.88	231.0	8.22	218.4	7.56	213.9	7.33	204.3	6.89	194.7	6.43
		27.9	244.6	8.82	231.0	8.16	218.4	7.50	213.9	7.27	204.3	6.84	194.7	6.38
		55.8	244.6	8.59	231.0	7.93	218.4	7.27	213.9	7.04	204.3	6.62	194.7	6.18
		69.8	244.6	8.37	231.0	7.70	218.4	7.04	213.9	6.84	204.3	6.62	194.7	6.18
		83.7	244.6	8.25	231.0	7.59	218.4	6.92	213.9	6.73	204.3	6.62	194.7	6.18
	104	22.3	244.6	8.27	231.0	7.56	218.4	6.66	213.9	6.43	204.3	6.24	194.7	5.78
		27.9	244.6	8.16	231.0	7.50	218.4	6.62	213.9	6.38	204.3	6.18	194.7	5.72
		55.8	244.6	7.70	231.0	7.27	218.4	6.38	213.9	6.18	204.3	5.95	194.7	5.52
		69.8	244.6	7.70	231.0	7.27	218.4	6.38	213.9	6.18	204.3	5.95	194.7	5.52
		83.7	244.6	7.70	231.0	7.27	218.4	6.38	213.9	6.18	204.3	5.95	194.7	5.52
	113	22.3	244.6	7.66	231.0	6.89	218.4	5.78	213.9	5.57	204.3	5.57	194.7	5.11
		27.9	244.6	7.50	231.0	6.84	218.4	5.72	213.9	5.52	204.3	5.52	194.7	5.06
		55.8	244.6	6.84	231.0	6.62	218.4	5.52	213.9	5.29	204.3	5.29	194.7	4.85
		69.8	244.6	7.04	231.0	6.84	218.4	5.72	213.9	5.52	204.3	5.29	194.7	4.85
		83.7	244.6	7.15	231.0	6.95	218.4	5.82	213.9	5.63	204.3	5.29	194.7	4.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	22.3	87.2	9.28	81.7	8.92	77.4	8.54	76.5	8.25	76.0	7.88	74.5	7.25
		27.9	90.2	9.48	84.6	9.12	80.0	8.73	79.1	8.43	78.6	8.05	77.1	7.41
		55.8	102.0	10.31	95.6	9.89	90.4	9.46	89.5	9.14	89.1	8.73	87.3	8.02
		69.8	112.8	11.10	105.6	10.67	99.9	10.21	98.8	9.87	98.4	9.41	96.3	8.66
		83.7	118.2	11.50	110.6	11.06	104.7	10.59	103.5	10.24	103.0	9.76	100.8	8.98
	32	22.3	155.7	13.61	143.6	13.06	133.7	12.52	131.2	12.09	129.4	11.52	124.5	10.61
		27.9	156.6	13.65	144.4	13.10	134.5	12.56	132.0	12.12	130.2	11.56	125.2	10.64
		55.8	160.5	13.81	147.9	13.26	137.7	12.70	135.2	12.26	133.4	11.70	128.1	10.76
		69.8	162.8	13.81	150.1	13.26	139.9	12.70	137.2	12.26	135.4	11.70	130.2	10.76
		83.7	163.9	13.81	151.2	13.26	141.0	12.70	138.3	12.26	136.5	11.70	131.2	10.76
	41	22.3	215.4	14.80	203.3	14.25	194.4	13.60	190.1	13.15	182.0	12.54	172.9	11.54
		27.9	215.9	14.88	203.7	14.32	194.4	13.67	190.1	13.22	182.0	12.60	172.9	11.60
		55.8	217.7	15.20	205.2	14.58	194.7	13.97	190.1	13.49	182.0	12.86	172.9	11.86
		69.8	217.7	15.29	205.0	14.70	194.7	14.06	190.1	13.58	182.0	12.95	172.9	11.92
		83.7	217.7	15.34	204.9	14.76	194.7	14.11	190.1	13.63	182.0	12.99	172.9	11.96
	50	22.3	216.6	13.63	204.1	13.00	194.4	12.35	190.1	12.00	182.0	11.37	172.9	10.53
		27.9	216.8	13.61	204.3	12.99	194.4	12.35	190.1	12.02	182.0	11.37	172.9	10.53
		55.8	217.7	13.54	205.2	12.93	194.7	12.38	190.1	12.03	182.0	11.40	172.9	10.55
		69.8	217.7	13.49	205.0	12.97	194.7	12.42	190.1	11.96	182.0	11.32	172.9	10.48
		83.7	217.7	13.47	204.9	12.99	194.7	12.44	190.1	11.93	182.0	11.29	172.9	10.45
	59	22.3	217.7	12.44	205.0	11.78	194.7	11.06	190.1	10.86	182.0	10.20	172.9	9.54
		27.9	217.7	12.33	205.0	11.67	194.7	11.01	190.1	10.80	182.0	10.14	172.9	9.48
		55.8	217.7	11.90	205.0	11.24	194.7	10.80	190.1	10.57	182.0	9.92	172.9	9.25
		69.8	217.7	11.67	205.0	11.24	194.7	10.80	190.1	10.35	182.0	9.69	172.9	9.02
		83.7	217.7	11.55	205.0	11.24	194.7	10.80	190.1	10.24	182.0	9.57	172.9	8.91
	68	22.3	217.7	10.40	205.0	9.98	194.7	9.48	190.1	9.31	182.0	8.88	172.9	8.22
		27.9	217.7	10.35	205.0	9.92	194.7	9.48	190.1	9.25	182.0	8.82	172.9	8.16
		55.8	217.7	10.14	205.0	9.69	194.7	9.48	190.1	9.02	182.0	8.59	172.9	7.93
		69.8	217.7	9.92	205.0	9.48	194.7	9.25	190.1	9.02	182.0	8.37	172.9	7.93
		83.7	217.7	9.80	205.0	9.38	194.7	9.14	190.1	9.02	182.0	8.25	172.9	7.93
	77	22.3	217.7	9.31	205.0	8.65	194.7	8.16	190.1	7.99	182.0	7.56	172.9	7.10
		27.9	217.7	9.25	205.0	8.59	194.7	8.16	190.1	7.93	182.0	7.50	172.9	7.04
		55.8	217.7	9.02	205.0	8.37	194.7	8.16	190.1	7.70	182.0	7.27	172.9	6.84
		69.8	217.7	8.82	205.0	8.37	194.7	7.93	190.1	7.70	182.0	7.27	172.9	6.84
		83.7	217.7	8.72	205.0	8.37	194.7	7.82	190.1	7.70	182.0	7.27	172.9	6.84
	86	22.3	217.7	8.22	205.0	7.76	194.7	7.33	190.1	7.10	182.0	6.66	172.9	6.24
		27.9	217.7	8.16	205.0	7.70	194.7	7.27	190.1	7.04	182.0	6.62	172.9	6.18
		55.8	217.7	7.93	205.0	7.50	194.7	7.04	190.1	6.84	182.0	6.38	172.9	5.95
		69.8	217.7	7.93	205.0	7.50	194.7	7.04	190.1	6.84	182.0	6.38	172.9	5.95
		83.7	217.7	7.93	205.0	7.50	194.7	7.04	190.1	6.84	182.0	6.38	172.9	5.95
	95	22.3	217.7	7.56	205.0	7.10	194.7	6.43	190.1	6.18	182.0	6.01	172.9	5.52
		27.9	217.7	7.50	205.0	7.04	194.7	6.38	190.1	6.18	182.0	5.95	172.9	5.52
		55.8	217.7	7.27	205.0	6.84	194.7	6.18	190.1	6.18	182.0	5.72	172.9	5.52
		69.8	217.7	7.27	205.0	6.62	194.7	6.18	190.1	5.95	182.0	5.72	172.9	5.29
		83.7	217.7	7.27	205.0	6.50	194.7	6.18	190.1	5.83	182.0	5.72	172.9	5.17
	104	22.3	217.7	7.15	205.0	6.43	194.7	5.72	190.1	5.78	182.0	5.29	172.9	5.11
		27.9	217.7	7.04	205.0	6.38	194.7	5.72	190.1	5.72	182.0	5.29	172.9	5.06
		55.8	217.7	6.62	205.0	6.18	194.7	5.72	190.1	5.52	182.0	5.29	172.9	4.85
		69.8	217.7	6.62	205.0	6.18	194.7	5.52	190.1	5.52	182.0	5.29	172.9	4.85
		83.7	217.7	6.62	205.0	6.18	194.7	5.41	190.1	5.52	182.0	5.29	172.9	4.85
	113	22.3	217.7	6.78	205.0	5.78	194.7	5.00	190.1	5.40	182.0	4.57	172.9	4.74
		27.9	217.7	6.62	205.0	5.72	194.7	5.06	190.1	5.29	182.0	4.63	172.9	4.63
		55.8	217.7	5.95	205.0	5.52	194.7	5.29	190.1	4.85	182.0	4.85	172.9	4.20
		69.8	217.7	5.95	205.0	5.72	194.7	4.85	190.1	5.06	182.0	4.85	172.9	4.40
		83.7	217.7	5.95	205.0	5.82	194.7	4.63	190.1	5.17	182.0	4.85	172.9	4.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	22.3	76.0	7.96	71.4	7.59	67.5	7.34	66.9	6.92	66.4	6.67	65.4	6.07
		27.9	78.6	8.14	73.9	7.75	69.9	7.50	69.2	7.07	68.7	6.82	67.6	6.20
		55.8	89.1	8.82	83.7	8.41	78.9	8.14	78.2	7.66	77.7	7.38	76.4	6.72
		69.8	98.6	9.53	92.4	9.08	87.3	8.77	86.6	8.25	85.9	7.98	84.3	7.25
		83.7	103.3	9.89	96.9	9.41	91.5	9.09	90.8	8.55	90.0	8.28	88.3	7.51
	32	22.3	136.2	11.66	125.8	11.12	116.9	10.74	114.8	10.12	113.0	9.77	109.0	8.89
		27.9	137.0	11.70	126.6	11.15	117.6	10.79	115.5	10.14	113.7	9.80	109.6	8.91
		55.8	140.1	11.83	129.5	11.26	120.3	10.92	118.2	10.25	116.4	9.92	112.1	9.01
		69.8	142.2	11.83	131.6	11.26	122.1	10.92	120.0	10.25	118.2	9.92	114.0	9.01
		83.7	143.2	11.83	132.6	11.26	123.0	10.92	120.9	10.25	119.1	9.92	114.9	9.01
	41	22.3	188.1	12.70	178.2	12.09	169.7	11.70	166.2	11.02	158.7	10.63	151.2	9.66
		27.9	188.5	12.77	178.6	12.15	169.8	11.76	166.2	11.08	158.7	10.69	151.2	9.71
		55.8	190.1	13.02	180.0	12.40	170.0	12.02	166.2	11.28	158.7	10.92	151.2	9.92
		69.8	190.1	13.10	179.7	12.49	170.0	12.10	166.2	11.37	158.7	10.99	151.2	9.98
		83.7	190.1	13.15	179.6	12.54	170.0	12.15	166.2	11.42	158.7	11.02	151.2	10.02
	50	22.3	189.0	11.70	178.8	11.05	170.0	10.64	166.2	10.05	158.7	9.64	151.2	8.82
		27.9	189.2	11.67	179.1	11.03	170.0	10.63	166.2	10.05	158.7	9.64	151.2	8.82
		55.8	190.1	11.58	179.7	10.94	170.0	10.53	166.2	10.05	158.7	9.64	151.2	8.82
		69.8	190.1	11.63	179.7	10.99	170.0	10.57	166.2	10.09	158.7	9.57	151.2	8.85
		83.7	190.1	11.64	179.7	11.01	170.0	10.60	166.2	10.12	158.7	9.54	151.2	8.86
	59	22.3	190.1	10.69	179.7	10.02	170.0	9.60	166.2	9.08	158.7	8.65	151.2	7.99
		27.9	190.1	10.57	179.7	9.92	170.0	9.48	166.2	9.02	158.7	8.59	151.2	7.93
		55.8	190.1	10.14	179.7	9.48	170.0	9.02	166.2	8.82	158.7	8.37	151.2	7.70
		69.8	190.1	10.14	179.7	9.48	170.0	9.02	166.2	8.82	158.7	8.16	151.2	7.70
		83.7	190.1	10.14	179.7	9.48	170.0	9.02	166.2	8.82	158.7	8.05	151.2	7.70
	68	22.3	190.1	8.88	179.7	8.41	170.0	8.22	166.2	7.99	158.7	7.56	151.2	7.10
		27.9	190.1	8.82	179.7	8.37	170.0	8.16	166.2	7.93	158.7	7.50	151.2	7.04
		55.8	190.1	8.59	179.7	8.16	170.0	7.93	166.2	7.70	158.7	7.27	151.2	6.84
		69.8	190.1	8.59	179.7	8.16	170.0	7.93	166.2	7.50	158.7	7.27	151.2	6.62
		83.7	190.1	8.59	179.7	8.16	170.0	7.93	166.2	7.40	158.7	7.27	151.2	6.50
	77	22.3	190.1	7.99	179.7	7.56	170.0	7.10	166.2	6.89	158.7	6.38	151.2	5.95
		27.9	190.1	7.93	179.7	7.50	170.0	7.04	166.2	6.84	158.7	6.38	151.2	5.95
		55.8	190.1	7.70	179.7	7.27	170.0	6.84	166.2	6.62	158.7	6.38	151.2	5.95
		69.8	190.1	7.50	179.7	7.04	170.0	6.84	166.2	6.62	158.7	6.18	151.2	5.95
		83.7	190.1	7.40	179.7	6.92	170.0	6.84	166.2	6.62	158.7	6.07	151.2	5.95
	86	22.3	190.1	7.10	179.7	6.66	170.0	6.24	166.2	5.95	158.7	5.78	151.2	5.29
		27.9	190.1	7.04	179.7	6.62	170.0	6.18	166.2	5.95	158.7	5.72	151.2	5.29
		55.8	190.1	6.84	179.7	6.38	170.0	5.95	166.2	5.95	158.7	5.52	151.2	5.29
		69.8	190.1	6.84	179.7	6.38	170.0	5.95	166.2	5.72	158.7	5.52	151.2	5.29
		83.7	190.1	6.84	179.7	6.38	170.0	5.95	166.2	5.60	158.7	5.52	151.2	5.29
	95	22.3	190.1	6.43	179.7	6.01	170.0	5.52	166.2	5.57	158.7	5.06	151.2	4.91
		27.9	190.1	6.38	179.7	5.95	170.0	5.52	166.2	5.52	158.7	5.06	151.2	4.85
		55.8	190.1	6.18	179.7	5.72	170.0	5.52	166.2	5.29	158.7	5.06	151.2	4.63
		69.8	190.1	6.18	179.7	5.72	170.0	5.29	166.2	5.29	158.7	5.06	151.2	4.63
		83.7	190.1	6.18	179.7	5.72	170.0	5.17	166.2	5.29	158.7	5.06	151.2	4.63
	104	22.3	190.1	6.01	179.7	5.57	170.0	5.11	166.2	4.85	158.7	4.63	151.2	4.45
		27.9	190.1	5.95	179.7	5.52	170.0	5.06	166.2	4.85	158.7	4.63	151.2	4.40
		55.8	190.1	5.72	179.7	5.29	170.0	4.85	166.2	4.85	158.7	4.63	151.2	4.20
		69.8	190.1	5.72	179.7	5.29	170.0	4.85	166.2	4.63	158.7	4.40	151.2	4.20
		83.7	190.1	5.72	179.7	5.29	170.0	4.85	166.2	4.52	158.7	4.29	151.2	4.20
	113	22.3	190.1	5.57	179.7	5.11	170.0	4.74	166.2	4.14	158.7	4.20	151.2	4.02
		27.9	190.1	5.52	179.7	5.06	170.0	4.63	166.2	4.20	158.7	4.20	151.2	3.97
		55.8	190.1	5.29	179.7	4.85	170.0	4.20	166.2	4.40	158.7	4.20	151.2	3.74
		69.8	190.1	5.29	179.7	4.85	170.0	4.40	166.2	3.97	158.7	3.74	151.2	3.74
		83.7	190.1	5.29	179.7	4.85	170.0	4.50	166.2	3.75	158.7	3.51	151.2	3.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	22.3	65.3	6.47	61.2	6.22	57.9	5.98	57.3	5.56	57.0	5.46	55.9	4.88
		27.9	67.6	6.62	63.3	6.36	59.9	6.11	59.2	5.68	59.0	5.59	57.9	4.99
		55.8	76.6	7.18	71.7	6.91	67.8	6.63	67.2	6.15	66.9	6.07	65.6	5.43
		69.8	84.6	7.73	79.1	7.46	75.0	7.15	74.1	6.66	73.9	6.54	72.3	5.84
		83.7	88.5	8.01	82.9	7.73	78.7	7.43	77.7	6.91	77.4	6.78	75.8	6.04
	32	22.3	116.9	9.47	107.7	9.14	100.4	8.75	98.4	8.14	97.1	8.02	93.5	7.17
		27.9	117.6	9.50	108.3	9.16	101.1	8.77	99.0	8.16	97.7	8.05	94.0	7.18
		55.8	120.3	9.62	110.7	9.25	103.5	8.89	101.3	8.25	99.9	8.14	96.0	7.25
		69.8	122.1	9.62	112.5	9.25	105.1	8.89	102.9	8.25	101.5	8.14	97.7	7.25
		83.7	123.0	9.62	113.5	9.25	105.9	8.89	103.6	8.25	102.3	8.14	98.4	7.25
	41	22.3	161.5	10.32	152.3	9.93	146.1	9.53	142.4	8.86	136.3	8.73	129.8	7.78
		27.9	161.8	10.37	152.6	9.98	146.1	9.57	142.4	8.91	136.3	8.77	129.8	7.82
		55.8	163.2	10.57	153.7	10.19	146.1	9.78	142.4	9.09	136.3	8.96	129.8	7.98
		69.8	163.2	10.67	153.5	10.25	146.1	9.85	142.4	9.16	136.3	9.01	129.8	8.05
		83.7	163.2	10.71	153.3	10.29	146.1	9.88	142.4	9.20	136.3	9.02	129.8	8.08
	50	22.3	162.3	9.48	152.9	9.08	146.1	8.64	142.4	8.07	136.3	7.92	129.8	7.09
		27.9	162.6	9.48	153.0	9.08	146.1	8.64	142.4	8.09	136.3	7.91	129.8	7.11
		55.8	163.2	9.48	153.7	9.08	146.1	8.64	142.4	8.18	136.3	7.89	129.8	7.18
		69.8	163.2	9.50	153.5	8.98	146.1	8.54	142.4	8.09	136.3	7.82	129.8	7.11
		83.7	163.2	9.51	153.3	8.93	146.1	8.50	142.4	8.05	136.3	7.79	129.8	7.08
	59	22.3	163.2	8.65	153.5	8.22	146.1	7.76	142.4	7.27	136.3	7.10	129.8	6.38
		27.9	163.2	8.59	153.5	8.16	146.1	7.70	142.4	7.27	136.3	7.04	129.8	6.38
		55.8	163.2	8.37	153.5	7.93	146.1	7.50	142.4	7.27	136.3	6.84	129.8	6.38
		69.8	163.2	8.37	153.5	7.70	146.1	7.27	142.4	7.04	136.3	6.62	129.8	6.18
		83.7	163.2	8.37	153.5	7.59	146.1	7.15	142.4	6.92	136.3	6.50	129.8	6.07
	68	22.3	163.2	7.56	153.5	7.10	146.1	6.66	142.4	6.43	136.3	6.24	129.8	5.78
		27.9	163.2	7.50	153.5	7.04	146.1	6.62	142.4	6.38	136.3	6.18	129.8	5.72
		55.8	163.2	7.27	153.5	6.84	146.1	6.38	142.4	6.18	136.3	5.95	129.8	5.52
		69.8	163.2	7.27	153.5	6.84	146.1	6.38	142.4	6.18	136.3	5.95	129.8	5.52
		83.7	163.2	7.27	153.5	6.84	146.1	6.38	142.4	6.18	136.3	5.95	129.8	5.52
	77	22.3	163.2	6.66	153.5	6.24	146.1	5.72	142.4	5.78	136.3	5.29	129.8	5.11
		27.9	163.2	6.62	153.5	6.18	146.1	5.72	142.4	5.72	136.3	5.29	129.8	5.06
		55.8	163.2	6.38	153.5	5.95	146.1	5.72	142.4	5.52	136.3	5.29	129.8	4.85
		69.8	163.2	6.38	153.5	5.95	146.1	5.52	142.4	5.52	136.3	5.29	129.8	4.85
		83.7	163.2	6.38	153.5	5.95	146.1	5.41	142.4	5.52	136.3	5.29	129.8	4.85
	86	22.3	163.2	6.01	153.5	5.57	146.1	5.34	142.4	5.11	136.3	4.91	129.8	4.69
		27.9	163.2	5.95	153.5	5.52	146.1	5.29	142.4	5.06	136.3	4.85	129.8	4.63
		55.8	163.2	5.72	153.5	5.29	146.1	5.06	142.4	4.85	136.3	4.63	129.8	4.40
		69.8	163.2	5.72	153.5	5.29	146.1	5.06	142.4	4.85	136.3	4.63	129.8	4.40
		83.7	163.2	5.72	153.5	5.29	146.1	5.06	142.4	4.85	136.3	4.63	129.8	4.40
	95	22.3	163.2	5.29	153.5	5.11	146.1	4.63	142.4	4.69	136.3	4.45	129.8	4.26
		27.9	163.2	5.29	153.5	5.06	146.1	4.63	142.4	4.63	136.3	4.40	129.8	4.20
		55.8	163.2	5.29	153.5	4.85	146.1	4.63	142.4	4.40	136.3	4.20	129.8	3.97
		69.8	163.2	5.29	153.5	4.85	146.1	4.40	142.4	4.40	136.3	4.20	129.8	3.97
		83.7	163.2	5.29	153.5	4.85	146.1	4.29	142.4	4.40	136.3	4.20	129.8	3.97
	104	22.3	163.2	4.85	153.5	4.69	146.1	4.20	142.4	4.26	136.3	4.02	129.8	3.74
		27.9	163.2	4.85	153.5	4.63	146.1	4.20	142.4	4.20	136.3	3.97	129.8	3.74
		55.8	163.2	4.85	153.5	4.40	146.1	4.20	142.4	3.97	136.3	3.74	129.8	3.74
		69.8	163.2	4.85	153.5	4.40	146.1	4.20	142.4	3.97	136.3	3.74	129.8	3.74
		83.7	163.2	4.85	153.5	4.40	146.1	4.20	142.4	3.97	136.3	3.74	129.8	3.74
	113	22.3	163.2	4.40	153.5	4.26	146.1	3.74	142.4	3.79	136.3	3.59	129.8	3.24
		27.9	163.2	4.40	153.5	4.20	146.1	3.74	142.4	3.74	136.3	3.53	129.8	3.30
		55.8	163.2	4.40	153.5	3.97	146.1	3.74	142.4	3.53	136.3	3.30	129.8	3.53
		69.8	163.2	4.40	153.5	3.97	146.1	3.97	142.4	3.53	136.3	3.30	129.8	3.53
		83.7	163.2	4.40	153.5	3.97	146.1	4.08	142.4	3.53	136.3	3.30	129.8	3.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN216BAS4, ARWB216BAS4

216,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	22.3	54.5	5.16	51.2	4.88	48.3	4.62	47.6	4.37	47.4	4.10	46.5	3.88
		27.9	56.3	5.27	52.9	4.99	50.0	4.72	49.3	4.47	49.1	4.20	48.1	3.97
		55.8	63.5	5.70	59.7	5.43	56.5	5.11	55.8	4.85	55.6	4.56	54.5	4.29
		69.8	70.3	6.15	66.0	5.84	62.4	5.52	61.7	5.24	61.2	4.90	60.3	4.63
		83.7	73.7	6.39	69.2	6.04	65.4	5.72	64.7	5.44	64.1	5.07	63.3	4.79
	32	22.3	97.1	7.55	89.9	7.17	83.6	6.75	81.8	6.40	80.7	6.02	77.7	5.68
		27.9	97.7	7.57	90.4	7.18	84.1	6.77	82.3	6.43	81.2	6.04	78.2	5.70
		55.8	99.9	7.63	92.4	7.25	86.1	6.86	84.3	6.52	83.2	6.11	80.0	5.76
		69.8	101.5	7.63	93.8	7.25	87.3	6.86	85.7	6.52	84.3	6.11	81.4	5.76
		83.7	102.3	7.63	94.5	7.25	87.8	6.86	86.4	6.52	84.9	6.11	82.1	5.76
	41	22.3	134.2	8.21	127.2	7.78	121.3	7.34	118.5	6.98	113.2	6.56	108.0	6.17
		27.9	134.5	8.25	127.5	7.82	121.4	7.38	118.5	7.02	113.2	6.59	108.0	6.20
		55.8	135.6	8.41	128.4	7.98	121.6	7.54	118.5	7.15	113.2	6.70	108.0	6.34
		69.8	135.6	8.48	128.1	8.05	121.6	7.59	118.5	7.20	113.2	6.77	108.0	6.38
		83.7	135.6	8.51	128.1	8.08	121.6	7.62	118.5	7.23	113.2	6.81	108.0	6.40
	50	22.3	135.0	7.56	127.5	7.12	121.3	6.69	118.5	6.40	113.2	5.91	108.0	5.65
		27.9	135.2	7.54	127.7	7.11	121.4	6.68	118.5	6.38	113.2	5.92	108.0	5.63
		55.8	135.6	7.50	128.4	7.09	121.6	6.63	118.5	6.34	113.2	5.99	108.0	5.59
		69.8	135.6	7.54	128.1	7.11	121.6	6.66	118.5	6.36	113.2	5.91	108.0	5.60
		83.7	135.6	7.57	128.1	7.12	121.6	6.66	118.5	6.37	113.2	5.86	108.0	5.62
	59	22.3	135.6	6.89	128.1	6.43	121.6	6.01	118.5	5.78	113.2	5.29	108.0	5.11
		27.9	135.6	6.84	128.1	6.38	121.6	5.95	118.5	5.72	113.2	5.29	108.0	5.06
		55.8	135.6	6.62	128.1	6.18	121.6	5.72	118.5	5.52	113.2	5.29	108.0	4.85
		69.8	135.6	6.62	128.1	6.18	121.6	5.72	118.5	5.52	113.2	5.06	108.0	4.85
		83.7	135.6	6.62	128.1	6.18	121.6	5.72	118.5	5.52	113.2	4.95	108.0	4.85
	68	22.3	135.6	6.01	128.1	5.57	121.6	5.34	118.5	5.11	113.2	4.91	108.0	4.40
		27.9	135.6	5.95	128.1	5.52	121.6	5.29	118.5	5.06	113.2	4.85	108.0	4.40
		55.8	135.6	5.72	128.1	5.29	121.6	5.06	118.5	4.85	113.2	4.63	108.0	4.40
		69.8	135.6	5.72	128.1	5.29	121.6	5.06	118.5	4.85	113.2	4.63	108.0	4.40
		83.7	135.6	5.72	128.1	5.29	121.6	5.06	118.5	4.85	113.2	4.63	108.0	4.40
	77	22.3	135.6	5.34	128.1	4.85	121.6	4.69	118.5	4.40	113.2	4.20	108.0	3.97
		27.9	135.6	5.29	128.1	4.85	121.6	4.63	118.5	4.40	113.2	4.20	108.0	3.97
		55.8	135.6	5.06	128.1	4.85	121.6	4.40	118.5	4.40	113.2	4.20	108.0	3.97
		69.8	135.6	5.06	128.1	4.85	121.6	4.40	118.5	4.40	113.2	4.20	108.0	3.97
		83.7	135.6	5.06	128.1	4.85	121.6	4.40	118.5	4.40	113.2	4.20	108.0	3.97
	86	22.3	135.6	4.91	128.1	4.45	121.6	4.26	118.5	3.97	113.2	4.02	108.0	3.79
		27.9	135.6	4.85	128.1	4.40	121.6	4.20	118.5	3.97	113.2	3.97	108.0	3.74
		55.8	135.6	4.63	128.1	4.20	121.6	3.97	118.5	3.97	113.2	3.74	108.0	3.53
		69.8	135.6	4.63	128.1	4.20	121.6	3.97	118.5	3.97	113.2	3.74	108.0	3.53
		83.7	135.6	4.63	128.1	4.20	121.6	3.97	118.5	3.97	113.2	3.74	108.0	3.53
	95	22.3	135.6	4.45	128.1	3.97	121.6	3.74	118.5	3.79	113.2	3.53	108.0	3.30
		27.9	135.6	4.40	128.1	3.97	121.6	3.74	118.5	3.74	113.2	3.53	108.0	3.30
		55.8	135.6	4.20	128.1	3.97	121.6	3.74	118.5	3.53	113.2	3.53	108.0	3.30
		69.8	135.6	4.20	128.1	3.97	121.6	3.74	118.5	3.53	113.2	3.53	108.0	3.30
		83.7	135.6	4.20	128.1	3.97	121.6	3.74	118.5	3.53	113.2	3.53	108.0	3.30
	104	22.3	135.6	4.02	128.1	3.79	121.6	3.59	118.5	3.30	113.2	3.36	108.0	3.08
		27.9	135.6	3.97	128.1	3.74	121.6	3.53	118.5	3.30	113.2	3.30	108.0	3.08
		55.8	135.6	3.74	128.1	3.53	121.6	3.30	118.5	3.30	113.2	3.08	108.0	3.08
		69.8	135.6	3.74	128.1	3.53	121.6	3.30	118.5	3.30	113.2	3.08	108.0	3.08
		83.7	135.6	3.74	128.1	3.53	121.6	3.30	118.5	3.30	113.2	3.08	108.0	3.08
	113	22.3	135.6	3.59	128.1	3.65	121.6	3.42	118.5	2.82	113.2	3.19	108.0	2.87
		27.9	135.6	3.53	128.1	3.53	121.6	3.30	118.5	2.87	113.2	3.08	108.0	2.87
		55.8	135.6	3.30	128.1	3.08	121.6	2.87	118.5	3.08	113.2	2.65	108.0	2.87
		69.8	135.6	3.30	128.1	3.08	121.6	2.87	118.5	3.08	113.2	2.65	108.0	2.87
		83.7	135.6	3.30	128.1	3.08	121.6	2.87	118.5	3.08	113.2	2.65	108.0	2.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	28.4	153.2	19.12	152.2	18.00	151.2	16.76	149.2	16.26	151.0	15.84	146.8	14.20
		35.5	158.6	19.46	157.4	18.36	156.4	17.12	154.4	16.62	156.2	16.18	152.0	14.52
		71.0	179.4	20.78	177.8	19.74	177.0	18.58	174.6	18.04	176.6	17.54	172.0	15.74
		88.8	198.4	22.10	196.6	21.10	195.4	20.02	192.8	19.48	195.4	18.92	190.2	16.96
		106.5	207.8	22.76	206.0	21.78	204.6	20.76	202.2	20.22	204.8	19.62	199.2	17.58
	32	28.4	273.8	26.16	267.6	25.38	261.8	24.54	256.2	23.86	257.0	23.20	245.4	20.78
		35.5	275.4	26.22	269.2	25.44	263.4	24.62	257.6	23.92	258.6	23.26	246.8	20.84
		71.0	282.2	26.50	275.2	25.68	269.4	24.90	263.8	24.22	264.6	23.52	252.8	21.10
		88.8	286.4	26.50	279.4	25.68	273.6	24.90	267.6	24.22	268.6	23.52	256.4	21.10
		106.5	288.4	26.50	281.6	25.68	275.8	24.90	269.6	24.22	270.6	23.52	258.4	21.10
	41	28.4	394.4	28.12	388.4	27.42	380.2	26.72	370.8	25.96	360.8	25.24	340.8	22.62
		35.5	395.8	28.24	389.2	27.54	380.4	26.86	370.8	26.10	360.8	25.38	340.8	22.74
		71.0	401.2	28.74	391.8	28.06	380.6	27.40	370.8	26.64	360.8	25.88	340.8	23.20
		88.8	403.6	28.94	393.0	28.24	380.6	27.58	370.8	26.82	360.8	26.06	340.8	23.36
		106.5	404.8	29.02	393.6	28.34	380.6	27.68	370.8	26.92	360.8	26.16	340.8	23.44
	50	28.4	394.8	25.58	388.4	24.72	379.2	24.26	369.2	23.72	359.4	22.90	339.6	20.66
		35.5	397.2	25.54	390.4	24.74	380.6	24.30	370.8	23.70	360.8	22.88	340.8	20.66
		71.0	406.6	25.34	397.6	24.84	386.6	24.50	376.8	23.68	366.2	22.82	346.4	20.58
		88.8	408.6	25.68	400.2	25.18	389.2	24.58	378.6	23.76	368.6	23.20	348.4	21.56
		106.5	409.8	25.86	401.6	25.36	390.4	24.64	379.4	23.82	369.8	23.40	349.4	22.06
	59	28.4	395.4	23.06	388.6	22.08	377.6	21.84	367.6	21.48	358.0	20.56	338.2	18.74
		35.5	398.8	22.82	391.6	21.98	380.6	21.78	370.8	21.32	360.8	20.40	340.8	18.58
		71.0	411.8	21.92	403.2	21.60	392.8	21.60	382.8	20.68	371.6	19.78	351.8	17.94
		88.8	413.8	22.44	407.2	22.10	397.6	21.60	386.6	20.68	376.8	20.34	356.0	19.78
		106.5	414.8	22.72	409.2	22.36	400.0	21.60	388.6	20.68	379.4	20.62	358.0	20.70
	68	28.4	410.6	21.16	403.0	20.16	392.4	19.72	381.6	19.10	370.4	18.66	348.4	18.10
		35.5	413.8	21.00	406.2	20.14	395.4	19.70	384.6	19.18	373.8	18.80	351.8	17.94
		71.0	426.8	20.40	419.2	20.08	407.4	19.64	396.6	19.48	386.6	19.30	364.6	17.34
		88.8	428.6	20.40	422.2	20.08	412.4	19.78	400.6	19.48	389.8	19.30	367.8	18.44
		106.5	429.4	20.40	423.8	20.08	414.8	19.84	402.6	19.48	391.2	19.30	369.2	19.00
	77	28.4	433.4	20.16	422.2	19.58	412.4	19.26	404.4	18.92	395.4	18.66	372.8	17.42
		35.5	433.4	20.08	422.2	19.56	412.4	19.18	404.4	18.86	395.4	18.58	372.8	17.34
		71.0	433.4	19.78	422.2	19.42	412.4	18.86	404.4	18.58	395.4	18.26	372.8	17.04
		88.8	433.4	19.48	422.2	18.92	412.4	18.58	404.4	18.26	395.4	17.94	372.8	16.74
		106.5	433.4	19.34	422.2	18.66	412.4	18.44	404.4	18.10	395.4	17.78	372.8	16.60
	86	28.4	433.4	19.64	422.2	18.66	412.4	18.50	404.4	18.02	395.4	17.82	372.8	16.58
		35.5	433.4	19.48	422.2	18.64	412.4	18.38	404.4	17.94	395.4	17.66	372.8	16.44
		71.0	433.4	18.86	422.2	18.52	412.4	17.94	404.4	17.66	395.4	17.04	372.8	15.84
		88.8	433.4	18.58	422.2	18.00	412.4	17.66	404.4	17.34	395.4	17.04	372.8	15.84
		106.5	433.4	18.44	422.2	17.76	412.4	17.52	404.4	17.18	395.4	17.04	372.8	15.84
	95	28.4	433.4	18.74	422.2	18.12	412.4	17.74	404.4	17.10	395.4	16.52	372.8	15.36
		35.5	433.4	18.58	422.2	18.00	412.4	17.66	404.4	17.04	395.4	16.44	372.8	15.20
		71.0	433.4	17.94	422.2	17.60	412.4	17.34	404.4	16.74	395.4	16.12	372.8	14.60
		88.8	433.4	17.94	422.2	17.40	412.4	17.04	404.4	16.44	395.4	15.84	372.8	14.60
		106.5	433.4	17.94	422.2	17.32	412.4	16.88	404.4	16.28	395.4	15.70	372.8	14.60
	104	28.4	433.4	18.10	422.2	17.52	412.4	17.18	404.4	16.58	395.4	16.00	372.8	14.44
		35.5	433.4	17.94	422.2	17.40	412.4	17.04	404.4	16.44	395.4	15.84	372.8	14.30
		71.0	433.4	17.34	422.2	16.96	412.4	16.44	404.4	15.84	395.4	15.20	372.8	13.70
		88.8	433.4	17.04	422.2	16.68	412.4	16.44	404.4	15.84	395.4	15.20	372.8	13.70
		106.5	433.4	16.88	422.2	16.54	412.4	16.44	404.4	15.84	395.4	15.20	372.8	13.70
	113	28.4	433.4	17.50	422.2	16.92	412.4	16.66	404.4	16.06	395.4	15.44	372.8	13.54
		35.5	433.4	17.34	422.2	16.82	412.4	16.44	404.4	15.84	395.4	15.20	372.8	13.38
		71.0	433.4	16.74	422.2	16.38	412.4	15.52	404.4	14.92	395.4	14.30	372.8	12.78
		88.8	433.4	16.12	422.2	15.96	412.4	15.84	404.4	15.20	395.4	14.60	372.8	12.78
		106.5	433.4	15.80	422.2	15.76	412.4	16.00	404.4	15.34	395.4	14.76	372.8	12.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288BAS4, ARWB288BAS4
288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	28.4	145.6	19.12	144.6	18.00	143.6	16.76	142.0	16.06	143.0	15.58	139.2	13.96
		35.5	150.6	19.46	149.4	18.36	148.6	17.12	146.8	16.40	148.0	15.94	144.0	14.26
		71.0	170.6	20.78	169.0	19.74	168.2	18.58	166.0	17.78	167.6	17.28	163.0	15.48
		88.8	188.4	22.10	186.8	21.10	185.6	20.02	183.6	19.20	185.0	18.64	180.0	16.68
		106.5	197.4	22.76	195.8	21.78	194.4	20.76	192.4	19.92	193.8	19.32	188.4	17.28
	32	28.4	260.4	26.16	254.0	25.38	248.6	24.54	243.6	23.50	243.6	22.86	232.4	20.44
		35.5	262.0	26.22	255.6	25.44	250.2	24.62	245.0	23.58	245.0	22.92	233.8	20.50
		71.0	268.0	26.50	261.6	25.68	256.2	24.90	250.8	23.86	250.8	23.18	239.6	20.74
		88.8	272.2	26.50	265.8	25.68	260.2	24.90	254.6	23.86	254.4	23.18	243.2	20.74
		106.5	274.2	26.50	268.0	25.68	262.0	24.90	256.6	23.86	256.2	23.18	245.0	20.74
	41	28.4	375.4	28.12	369.8	27.42	361.6	26.72	353.0	25.58	341.8	24.88	323.0	22.28
		35.5	376.8	28.24	370.4	27.54	361.6	26.86	353.0	25.72	341.8	25.00	323.0	22.38
		71.0	382.2	28.74	373.2	28.06	361.6	27.40	353.0	26.26	341.8	25.50	323.0	22.82
		88.8	384.2	28.94	371.0	28.24	361.6	27.58	353.0	26.44	341.8	25.68	323.0	22.98
		106.5	385.4	29.02	370.0	28.34	361.6	27.68	353.0	26.54	341.8	25.78	323.0	23.06
	50	28.4	376.8	25.26	369.8	24.56	360.6	24.06	352.0	23.32	340.8	22.56	322.2	20.28
		35.5	378.6	25.34	371.4	24.66	361.6	24.14	353.0	23.36	341.8	22.54	323.0	20.30
		71.0	385.4	25.68	377.4	25.02	365.6	24.50	356.8	23.48	345.4	22.48	326.4	20.40
		88.8	387.6	25.60	376.2	25.02	367.0	24.58	358.4	23.58	347.0	22.58	328.0	21.10
		106.5	388.6	25.54	375.6	25.02	367.8	24.64	359.2	23.62	347.6	22.62	328.6	21.44
	59	28.4	377.8	22.40	370.2	21.74	359.6	21.40	351.0	21.08	340.0	20.24	321.4	18.34
		35.5	380.0	22.44	372.6	21.78	361.6	21.44	353.0	21.00	341.8	20.08	323.0	18.26
		71.0	388.8	22.64	381.6	21.98	369.8	21.60	360.8	20.68	348.8	19.48	330.0	17.94
		88.8	391.0	22.28	381.2	21.78	372.8	21.60	363.8	20.68	351.8	19.48	333.0	19.18
		106.5	392.0	22.12	381.2	21.70	374.4	21.60	365.4	20.68	353.2	19.48	334.6	19.80
	68	28.4	388.4	20.14	381.0	19.30	369.6	18.78	359.4	18.50	347.8	18.28	329.0	17.34
		35.5	391.0	20.14	383.4	19.36	371.6	18.86	361.6	18.58	350.0	18.26	331.0	17.28
		71.0	400.8	20.14	392.4	19.64	379.8	19.18	370.8	18.86	358.6	18.20	338.8	17.04
		88.8	402.6	19.96	392.2	19.48	382.8	19.18	372.8	18.86	360.8	18.26	340.8	17.66
		106.5	403.6	19.86	392.0	19.40	384.2	19.18	373.8	18.86	361.8	18.30	342.0	17.98
	77	28.4	407.2	19.06	395.4	18.16	382.8	17.82	374.6	17.42	364.6	17.10	344.8	15.92
		35.5	407.4	18.98	395.4	18.14	382.8	17.78	374.6	17.34	364.6	17.04	344.8	15.84
		71.0	408.4	18.70	395.4	18.00	382.8	17.66	374.6	17.04	364.6	16.74	344.8	15.52
		88.8	409.6	18.00	395.4	17.54	382.8	17.34	374.6	17.04	364.6	16.44	344.8	15.52
		106.5	410.2	17.66	395.4	17.30	382.8	17.18	374.6	17.04	364.6	16.28	344.8	15.52
	86	28.4	409.6	18.22	395.4	17.32	382.8	16.82	374.6	16.20	364.6	16.00	344.8	14.68
		35.5	409.6	18.08	395.4	17.22	382.8	16.74	374.6	16.12	364.6	15.84	344.8	14.60
		71.0	409.6	17.48	395.4	16.82	382.8	16.44	374.6	15.84	364.6	15.20	344.8	14.30
		88.8	409.6	16.90	395.4	16.44	382.8	16.12	374.6	15.84	364.6	15.20	344.8	14.00
		106.5	409.6	16.62	395.4	16.24	382.8	15.96	374.6	15.84	364.6	15.20	344.8	13.86
	95	28.4	409.6	17.40	395.4	16.46	382.8	16.00	374.6	15.36	364.6	14.76	344.8	13.46
		35.5	409.6	17.16	395.4	16.30	382.8	15.84	374.6	15.20	364.6	14.60	344.8	13.38
		71.0	409.6	16.18	395.4	15.70	382.8	15.20	374.6	14.60	364.6	14.00	344.8	13.10
		88.8	409.6	16.00	395.4	15.58	382.8	15.20	374.6	14.60	364.6	14.00	344.8	12.78
		106.5	409.6	15.90	395.4	15.52	382.8	15.20	374.6	14.60	364.6	14.00	344.8	12.62
	104	28.4	409.6	16.88	395.4	15.70	382.8	15.08	374.6	14.44	364.6	13.84	344.8	12.54
		35.5	409.6	16.56	395.4	15.52	382.8	14.92	374.6	14.30	364.6	13.70	344.8	12.46
		71.0	409.6	15.26	395.4	14.80	382.8	14.30	374.6	13.70	364.6	13.10	344.8	12.18
		88.8	409.6	15.08	395.4	14.60	382.8	14.30	374.6	13.70	364.6	13.10	344.8	11.86
		106.5	409.6	14.98	395.4	14.52	382.8	14.30	374.6	13.70	364.6	13.10	344.8	11.72
	113	28.4	409.6	16.36	395.4	14.94	382.8	14.16	374.6	13.54	364.6	12.94	344.8	11.62
		35.5	409.6	15.96	395.4	14.74	382.8	14.00	374.6	13.38	364.6	12.78	344.8	11.56
		71.0	409.6	14.36	395.4	13.88	382.8	13.38	374.6	12.78	364.6	12.18	344.8	11.28
		88.8	409.6	14.16	395.4	13.64	382.8	13.38	374.6	12.78	364.6	12.18	344.8	10.96
		106.5	409.6	14.08	395.4	13.50	382.8	13.38	374.6	12.78	364.6	12.18	344.8	10.80

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4
288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	28.4	137.8	19.38	137.0	18.00	136.0	16.76	134.6	16.06	135.0	15.58	132.0	13.96
		35.5	142.6	19.70	141.6	18.36	140.8	17.12	139.2	16.40	139.6	15.94	136.6	14.26
		71.0	161.2	21.04	160.4	19.74	159.4	18.58	157.6	17.78	157.6	17.28	154.6	15.48
		88.8	178.2	22.38	177.0	21.10	176.0	20.02	174.2	19.20	174.2	18.64	170.6	16.68
		106.5	186.6	23.06	185.2	21.78	184.4	20.76	182.6	19.92	182.6	19.32	178.6	17.28
	32	28.4	246.4	26.50	240.8	25.38	235.8	24.54	231.4	23.50	229.2	22.86	220.6	20.44
		35.5	247.8	26.58	242.4	25.44	237.2	24.62	232.6	23.58	230.6	22.92	221.8	20.50
		71.0	253.4	26.82	248.0	25.68	242.6	24.90	238.2	23.86	236.0	23.18	227.0	20.74
		88.8	257.4	26.82	252.0	25.68	246.6	24.90	241.8	23.86	239.6	23.18	230.2	20.74
		106.5	259.4	26.82	254.0	25.68	248.6	24.90	243.6	23.86	241.4	23.18	232.0	20.74
	41	28.4	359.2	28.50	350.8	27.42	342.6	26.72	334.8	25.58	321.8	24.88	306.2	22.28
		35.5	360.4	28.62	351.4	27.54	342.6	26.86	334.8	25.72	321.8	25.00	306.2	22.38
		71.0	365.2	29.12	354.2	28.06	343.0	27.40	334.8	26.26	321.8	25.50	306.2	22.82
		88.8	367.4	29.32	355.0	28.24	343.0	27.58	334.8	26.44	321.8	25.68	306.2	22.98
		106.5	368.4	29.40	355.4	28.34	343.0	27.68	334.8	26.54	321.8	25.78	306.2	23.06
	50	28.4	360.6	25.54	351.8	24.68	342.2	24.14	334.4	23.32	321.4	22.56	305.8	20.28
		35.5	362.0	25.60	352.6	24.74	342.6	24.22	334.8	23.36	321.8	22.54	306.2	20.30
		71.0	367.4	25.78	356.2	25.02	344.8	24.50	337.0	23.48	324.0	22.48	307.8	20.40
		88.8	369.6	25.78	357.8	25.02	346.0	24.44	337.6	23.42	324.6	22.58	308.6	20.62
		106.5	370.6	25.78	358.6	25.02	346.6	24.40	337.8	23.40	325.0	22.62	309.0	20.74
	59	28.4	361.6	22.60	352.2	21.98	342.0	21.60	333.8	21.08	320.8	20.24	305.4	18.34
		35.5	363.2	22.58	353.6	21.98	343.0	21.60	334.8	21.00	321.8	20.08	306.2	18.26
		71.0	369.2	22.44	358.6	21.98	347.0	21.60	338.8	20.68	326.2	19.48	309.2	17.94
		88.8	371.4	22.28	360.4	21.78	348.8	21.32	340.0	20.40	327.0	19.48	311.0	18.26
		106.5	372.4	22.22	361.4	21.70	349.6	21.18	340.6	20.26	327.4	19.48	312.0	18.42
	68	28.4	368.4	19.52	358.4	19.04	346.8	18.58	337.4	18.26	325.2	17.74	308.0	16.60
		35.5	370.4	19.56	359.6	19.04	347.8	18.58	338.8	18.26	326.2	17.66	309.2	16.56
		71.0	378.2	19.70	364.4	19.04	351.8	18.58	343.8	18.26	330.0	17.34	314.0	16.44
		88.8	380.4	19.70	367.4	19.04	353.8	18.58	344.8	17.94	331.8	17.34	315.0	16.44
		106.5	381.4	19.70	369.0	19.04	355.0	18.58	345.2	17.78	332.8	17.34	315.4	16.44
	77	28.4	380.0	17.76	368.6	17.10	353.8	16.82	346.0	16.20	334.0	15.60	316.2	14.30
		35.5	380.6	17.72	368.6	17.04	353.8	16.74	346.0	16.12	334.0	15.52	316.2	14.30
		71.0	383.6	17.60	368.6	16.74	353.8	16.44	346.0	15.84	334.0	15.20	316.2	14.30
		88.8	385.4	17.60	368.6	16.82	353.8	16.12	346.0	15.84	334.0	14.92	316.2	14.00
		106.5	386.4	17.60	368.6	16.84	353.8	15.96	346.0	15.84	334.0	14.78	316.2	13.86
	86	28.4	385.4	16.20	368.6	15.60	353.8	15.00	346.0	14.68	334.0	13.78	316.2	12.86
		35.5	385.4	16.12	368.6	15.52	353.8	14.92	346.0	14.60	334.0	13.70	316.2	12.78
		71.0	385.4	15.84	368.6	15.20	353.8	14.60	346.0	14.30	334.0	13.38	316.2	12.46
		88.8	385.4	15.70	368.6	14.92	353.8	14.30	346.0	14.00	334.0	13.38	316.2	12.46
		106.5	385.4	15.64	368.6	14.78	353.8	14.14	346.0	13.86	334.0	13.38	316.2	12.46
	95	28.4	385.4	15.36	368.6	14.36	353.8	13.78	346.0	13.18	334.0	12.54	316.2	11.62
		35.5	385.4	15.20	368.6	14.30	353.8	13.70	346.0	13.10	334.0	12.46	316.2	11.56
		71.0	385.4	14.60	368.6	14.00	353.8	13.38	346.0	12.78	334.0	12.18	316.2	11.28
		88.8	385.4	14.24	368.6	13.70	353.8	13.10	346.0	12.78	334.0	12.18	316.2	11.28
		106.5	385.4	14.04	368.6	13.54	353.8	12.96	346.0	12.78	334.0	12.18	316.2	11.28
	104	28.4	385.4	14.44	368.6	13.84	353.8	12.94	346.0	12.26	334.0	11.62	316.2	10.72
		35.5	385.4	14.30	368.6	13.70	353.8	12.78	346.0	12.18	334.0	11.56	316.2	10.64
		71.0	385.4	13.70	368.6	13.10	353.8	12.18	346.0	11.86	334.0	11.28	316.2	10.36
		88.8	385.4	13.50	368.6	12.78	353.8	12.18	346.0	11.56	334.0	10.96	316.2	10.04
		106.5	385.4	13.42	368.6	12.62	353.8	12.18	346.0	11.40	334.0	10.80	316.2	9.88
	113	28.4	385.4	13.54	368.6	13.32	353.8	12.10	346.0	11.36	334.0	10.72	316.2	9.80
		35.5	385.4	13.38	368.6	13.10	353.8	11.86	346.0	11.28	334.0	10.64	316.2	9.72
		71.0	385.4	12.78	368.6	12.18	353.8	10.96	346.0	10.96	334.0	10.36	316.2	9.44
		88.8	385.4	12.78	368.6	11.86	353.8	11.28	346.0	10.36	334.0	9.72	316.2	8.82
		106.5	385.4	12.78	368.6	11.72	353.8	11.42	346.0	10.06	334.0	9.42	316.2	8.50

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288BAS4, ARWB288BAS4
288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	28.4	130.2	19.38	129.4	18.26	128.8	16.76	127.6	16.06	126.4	15.34	124.0	13.96
		35.5	134.8	19.70	133.8	18.60	133.2	17.12	132.0	16.40	130.8	15.68	128.4	14.26
		71.0	152.6	21.04	151.6	20.00	150.6	18.58	149.2	17.78	148.0	17.04	145.6	15.48
		88.8	168.4	22.38	167.2	21.38	166.4	20.02	164.8	19.20	163.6	18.36	160.6	16.68
		106.5	176.6	23.06	175.2	22.08	174.2	20.76	172.8	19.92	171.6	19.02	168.2	17.28
	32	28.4	232.8	26.50	227.6	25.72	223.0	24.54	219.0	23.50	215.2	22.50	207.6	20.44
		35.5	234.2	26.58	229.0	25.78	224.2	24.62	220.4	23.58	216.4	22.58	208.8	20.50
		71.0	239.6	26.82	234.4	26.04	229.4	24.90	225.4	23.86	221.6	22.82	213.6	20.74
		88.8	243.2	26.82	238.2	26.04	233.0	24.90	228.8	23.86	224.8	22.82	217.0	20.74
		106.5	245.0	26.82	240.0	26.04	234.8	24.90	230.4	23.86	226.6	22.82	218.6	20.74
	41	28.4	343.6	28.50	332.2	27.80	323.6	26.72	317.0	25.58	302.0	24.50	288.2	22.28
		35.5	344.8	28.62	332.8	27.92	323.6	26.86	317.0	25.72	302.0	24.62	288.2	22.38
		71.0	349.6	29.12	335.2	28.42	324.0	27.40	317.0	26.26	302.0	25.12	288.2	22.82
		88.8	351.8	29.32	336.0	28.62	324.0	27.58	317.0	26.44	302.0	25.28	288.2	22.98
		106.5	352.8	29.40	336.6	28.72	324.0	27.68	317.0	26.54	302.0	25.36	288.2	23.06
	50	28.4	345.4	25.48	333.2	24.92	324.0	24.14	317.0	23.32	302.0	22.18	288.2	20.28
		35.5	346.4	25.60	333.6	25.00	324.0	24.22	317.0	23.36	302.0	22.20	288.2	20.30
		71.0	349.6	26.06	335.4	25.32	324.0	24.50	317.0	23.48	302.0	22.28	288.2	20.40
		88.8	352.0	25.98	337.0	25.32	324.0	24.44	317.0	23.42	302.0	22.22	288.2	20.30
		106.5	353.2	25.92	337.8	25.32	324.0	24.40	317.0	23.40	302.0	22.20	288.2	20.26
	59	28.4	347.4	22.46	334.6	22.08	324.0	21.60	317.0	21.08	302.0	19.84	288.2	18.34
		35.5	347.8	22.58	334.8	22.10	324.0	21.60	317.0	21.00	302.0	19.78	288.2	18.26
		71.0	349.6	23.02	335.8	22.16	324.0	21.60	317.0	20.68	302.0	19.48	288.2	17.94
		88.8	352.6	22.64	337.6	21.98	324.0	21.32	317.0	20.40	302.0	19.18	288.2	17.66
		106.5	354.2	22.44	338.4	21.88	324.0	21.18	317.0	20.26	302.0	19.02	288.2	17.52
	68	28.4	349.2	19.22	336.4	18.72	324.0	18.26	317.0	18.02	302.0	16.82	288.2	16.00
		35.5	350.6	19.30	336.6	18.74	324.0	18.26	317.0	17.94	302.0	16.74	288.2	15.84
		71.0	355.6	19.64	337.6	18.80	324.0	18.26	317.0	17.66	302.0	16.44	288.2	15.20
		88.8	357.8	19.30	340.6	18.64	324.0	17.94	317.0	17.34	302.0	16.12	288.2	14.92
		106.5	358.8	19.12	342.0	18.56	324.0	17.78	317.0	17.18	302.0	15.96	288.2	14.78
	77	28.4	353.4	16.80	341.8	16.26	324.0	15.60	317.0	15.00	302.0	14.08	288.2	12.78
		35.5	354.8	16.82	341.8	16.18	324.0	15.52	317.0	14.92	302.0	14.00	288.2	12.78
		71.0	359.8	16.88	341.8	15.84	324.0	15.20	317.0	14.60	302.0	13.70	288.2	12.78
		88.8	361.6	16.50	341.8	15.70	324.0	14.92	317.0	14.30	302.0	13.70	288.2	12.46
		106.5	362.6	16.30	341.8	15.64	324.0	14.78	317.0	14.14	302.0	13.70	288.2	12.30
	86	28.4	361.6	15.28	341.8	14.08	324.0	13.12	317.0	12.86	302.0	11.86	288.2	11.36
		35.5	361.6	15.20	341.8	14.00	324.0	13.10	317.0	12.78	302.0	11.86	288.2	11.28
		71.0	361.6	14.92	341.8	13.70	324.0	12.98	317.0	12.46	302.0	11.86	288.2	10.96
		88.8	361.6	14.60	341.8	13.70	324.0	12.78	317.0	12.46	302.0	11.56	288.2	10.96
		106.5	361.6	14.44	341.8	13.70	324.0	12.68	317.0	12.46	302.0	11.40	288.2	10.96
	95	28.4	361.6	14.16	341.8	12.94	324.0	11.58	317.0	11.36	302.0	10.72	288.2	9.80
		35.5	361.6	14.00	341.8	12.78	324.0	11.56	317.0	11.28	302.0	10.64	288.2	9.72
		71.0	361.6	13.38	341.8	12.18	324.0	11.42	317.0	10.96	302.0	10.36	288.2	9.44
		88.8	361.6	13.38	341.8	12.18	324.0	11.28	317.0	10.96	302.0	10.36	288.2	9.44
		106.5	361.6	13.38	341.8	12.18	324.0	11.20	317.0	10.96	302.0	10.36	288.2	9.44
	104	28.4	361.6	13.26	341.8	12.02	324.0	10.38	317.0	10.12	302.0	9.52	288.2	8.88
		35.5	361.6	13.10	341.8	11.86	324.0	10.36	317.0	10.04	302.0	9.44	288.2	8.82
		71.0	361.6	12.46	341.8	11.28	324.0	10.24	317.0	9.72	302.0	9.14	288.2	8.54
		88.8	361.6	12.18	341.8	11.28	324.0	10.04	317.0	9.72	302.0	9.14	288.2	8.54
		106.5	361.6	12.04	341.8	11.28	324.0	9.94	317.0	9.72	302.0	9.14	288.2	8.54
	113	28.4	361.6	12.34	341.8	11.10	324.0	9.16	317.0	8.88	302.0	8.30	288.2	7.98
		35.5	361.6	12.18	341.8	10.96	324.0	9.14	317.0	8.82	302.0	8.22	288.2	7.90
		71.0	361.6	11.56	341.8	10.36	324.0	9.00	317.0	8.54	302.0	7.90	288.2	7.62
		88.8	361.6	10.96	341.8	10.36	324.0	8.82	317.0	8.54	302.0	7.90	288.2	7.62
		106.5	361.6	10.66	341.8	10.36	324.0	8.72	317.0	8.54	302.0	7.90	288.2	7.62

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	28.4	123.0	17.98	119.2	16.38	115.6	14.38	114.8	13.70	113.8	13.22	112.0	11.86
		35.5	127.2	18.30	123.2	16.68	119.6	14.70	118.8	14.00	117.8	13.50	115.8	12.12
		71.0	144.0	19.52	139.6	17.92	135.4	15.96	134.4	15.20	133.6	14.68	130.8	13.16
		88.8	159.2	20.74	154.0	19.18	149.4	17.22	148.2	16.40	147.4	15.80	144.6	14.20
		106.5	166.8	21.36	161.4	19.80	156.6	17.86	155.2	17.00	154.4	16.38	151.6	14.72
	32	28.4	220.0	24.50	209.8	22.98	200.2	21.10	197.2	20.12	193.8	19.36	186.6	17.40
		35.5	221.2	24.56	211.0	23.04	201.4	21.16	198.4	20.18	195.0	19.42	187.8	17.44
		71.0	226.4	24.80	215.8	23.30	206.2	21.38	202.8	20.40	199.6	19.64	192.2	17.64
		88.8	229.6	24.80	219.2	23.30	209.4	21.38	205.8	20.40	202.8	19.64	195.4	17.64
		106.5	231.4	24.80	220.8	23.30	211.2	21.38	207.4	20.40	204.6	19.64	196.8	17.64
	41	28.4	310.8	26.30	300.8	24.82	291.2	22.96	285.2	21.90	272.4	21.08	259.6	18.92
		35.5	311.0	26.42	300.4	24.94	291.2	23.08	285.2	22.00	272.4	21.18	259.6	19.02
		71.0	312.2	26.88	299.6	25.40	291.2	23.52	285.2	22.44	272.4	21.62	259.6	19.40
		88.8	314.0	27.04	300.4	25.56	291.2	23.70	285.2	22.60	272.4	21.78	259.6	19.56
		106.5	315.0	27.12	301.0	25.64	291.2	23.80	285.2	22.68	272.4	21.86	259.6	19.64
	50	28.4	312.4	23.22	301.8	22.08	291.2	20.78	285.2	19.94	272.4	19.12	259.6	17.24
		35.5	312.2	23.24	301.4	22.10	291.2	20.82	285.2	19.96	272.4	19.12	259.6	17.26
		71.0	311.6	23.30	299.8	22.20	291.2	20.90	285.2	20.06	272.4	19.04	259.6	17.32
		88.8	313.8	23.24	300.8	22.14	291.2	20.84	285.2	20.00	272.4	19.12	259.6	17.38
		106.5	314.8	23.20	301.2	22.10	291.2	20.80	285.2	19.96	272.4	19.14	259.6	17.42
	59	28.4	314.0	20.10	302.8	19.38	291.2	18.66	285.2	18.02	272.4	17.18	259.6	15.60
		35.5	313.4	20.02	302.2	19.30	291.2	18.58	285.2	17.94	272.4	17.04	259.6	15.52
		71.0	311.4	19.70	300.2	18.98	291.2	18.26	285.2	17.66	272.4	16.44	259.6	15.20
		88.8	313.4	19.42	301.0	18.70	291.2	17.94	285.2	17.34	272.4	16.44	259.6	15.20
		106.5	314.6	19.28	301.6	18.56	291.2	17.78	285.2	17.18	272.4	16.44	259.6	15.20
	68	28.4	315.8	16.96	304.2	16.48	291.2	15.92	285.2	15.28	272.4	14.76	259.6	13.84
		35.5	315.6	16.96	303.6	16.44	291.2	15.84	285.2	15.20	272.4	14.60	259.6	13.70
		71.0	314.4	16.96	301.0	16.24	291.2	15.52	285.2	14.92	272.4	14.00	259.6	13.10
		88.8	315.2	16.68	302.0	16.12	291.2	15.52	285.2	14.92	272.4	14.00	259.6	13.10
		106.5	315.8	16.54	302.4	16.06	291.2	15.52	285.2	14.92	272.4	14.00	259.6	13.10
	77	28.4	321.2	14.82	308.0	14.04	291.2	13.46	285.2	12.78	272.4	12.26	259.6	11.36
		35.5	321.8	14.80	308.0	14.00	291.2	13.38	285.2	12.78	272.4	12.18	259.6	11.28
		71.0	325.0	14.68	308.0	13.88	291.2	13.10	285.2	12.78	272.4	11.86	259.6	10.96
		88.8	326.2	14.30	308.0	13.56	291.2	13.10	285.2	12.46	272.4	11.86	259.6	10.96
		106.5	326.8	14.10	308.0	13.42	291.2	13.10	285.2	12.30	272.4	11.86	259.6	10.96
	86	28.4	326.2	13.46	308.0	12.54	291.2	11.62	285.2	11.36	272.4	10.72	259.6	9.72
		35.5	326.2	13.38	308.0	12.46	291.2	11.56	285.2	11.28	272.4	10.64	259.6	9.72
		71.0	326.2	13.10	308.0	12.18	291.2	11.28	285.2	10.96	272.4	10.36	259.6	9.72
		88.8	326.2	12.78	308.0	11.86	291.2	11.28	285.2	10.96	272.4	10.36	259.6	9.44
		106.5	326.2	12.62	308.0	11.72	291.2	11.28	285.2	10.96	272.4	10.36	259.6	9.30
	95	28.4	326.2	12.26	308.0	11.36	291.2	10.44	285.2	10.12	272.4	9.52	259.6	8.88
		35.5	326.2	12.18	308.0	11.28	291.2	10.36	285.2	10.04	272.4	9.44	259.6	8.82
		71.0	326.2	11.86	308.0	10.96	291.2	10.04	285.2	9.72	272.4	9.14	259.6	8.54
		88.8	326.2	11.56	308.0	10.64	291.2	9.72	285.2	9.44	272.4	9.14	259.6	8.54
		106.5	326.2	11.40	308.0	10.48	291.2	9.56	285.2	9.30	272.4	9.14	259.6	8.54
	104	28.4	326.2	11.42	308.0	10.44	291.2	9.20	285.2	8.88	272.4	8.62	259.6	7.98
		35.5	326.2	11.28	308.0	10.36	291.2	9.14	285.2	8.82	272.4	8.54	259.6	7.90
		71.0	326.2	10.64	308.0	10.04	291.2	8.82	285.2	8.54	272.4	8.22	259.6	7.62
		88.8	326.2	10.64	308.0	10.04	291.2	8.82	285.2	8.54	272.4	8.22	259.6	7.62
		106.5	326.2	10.64	308.0	10.04	291.2	8.82	285.2	8.54	272.4	8.22	259.6	7.62
	113	28.4	326.2	10.58	308.0	9.52	291.2	7.98	285.2	7.70	272.4	7.70	259.6	7.06
		35.5	326.2	10.36	308.0	9.44	291.2	7.90	285.2	7.62	272.4	7.62	259.6	6.98
		71.0	326.2	9.44	308.0	9.14	291.2	7.62	285.2	7.30	272.4	7.30	259.6	6.70
		88.8	326.2	9.72	308.0	9.44	291.2	7.90	285.2	7.62	272.4	7.30	259.6	6.70
		106.5	326.2	9.88	308.0	9.60	291.2	8.04	285.2	7.78	272.4	7.30	259.6	6.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	28.4	116.2	12.82	109.0	12.32	103.2	11.80	102.0	11.40	101.4	10.88	99.4	10.02
		35.5	120.2	13.10	112.8	12.60	106.6	12.06	105.4	11.64	104.8	11.12	102.8	10.24
		71.0	136.0	14.24	127.4	13.66	120.6	13.06	119.4	12.62	118.8	12.06	116.4	11.08
		88.8	150.4	15.34	140.8	14.74	133.2	14.10	131.8	13.64	131.2	13.00	128.4	11.96
		106.5	157.6	15.88	147.4	15.28	139.6	14.62	138.0	14.14	137.4	13.48	134.4	12.40
	32	28.4	207.6	18.80	191.4	18.04	178.2	17.30	175.0	16.70	172.6	15.92	166.0	14.66
		35.5	208.8	18.86	192.6	18.10	179.4	17.34	176.0	16.74	173.6	15.96	167.0	14.70
		71.0	214.0	19.08	197.2	18.32	183.6	17.54	180.2	16.94	177.8	16.16	170.8	14.86
		88.8	217.0	19.08	200.2	18.32	186.6	17.54	183.0	16.94	180.6	16.16	173.6	14.86
		106.5	218.6	19.08	201.6	18.32	188.0	17.54	184.4	16.94	182.0	16.16	175.0	14.86
	41	28.4	287.2	20.44	271.0	19.68	259.2	18.78	253.4	18.16	242.6	17.32	230.6	15.94
		35.5	287.8	20.56	271.6	19.78	259.2	18.88	253.4	18.26	242.6	17.40	230.6	16.02
		71.0	290.2	21.00	273.6	20.14	259.6	19.30	253.4	18.64	242.6	17.76	230.6	16.38
		88.8	290.2	21.12	273.4	20.30	259.6	19.42	253.4	18.76	242.6	17.88	230.6	16.46
		106.5	290.2	21.18	273.2	20.38	259.6	19.48	253.4	18.82	242.6	17.94	230.6	16.52
	50	28.4	288.8	18.82	272.2	17.96	259.2	17.06	253.4	16.58	242.6	15.70	230.6	14.54
		35.5	289.0	18.80	272.4	17.94	259.2	17.06	253.4	16.60	242.6	15.70	230.6	14.54
		71.0	290.2	18.70	273.6	17.86	259.6	17.10	253.4	16.62	242.6	15.74	230.6	14.58
		88.8	290.2	18.64	273.4	17.92	259.6	17.16	253.4	16.52	242.6	15.64	230.6	14.48
		106.5	290.2	18.60	273.2	17.94	259.6	17.18	253.4	16.48	242.6	15.60	230.6	14.44
	59	28.4	290.2	17.18	273.4	16.28	259.6	15.28	253.4	15.00	242.6	14.08	230.6	13.18
		35.5	290.2	17.04	273.4	16.12	259.6	15.20	253.4	14.92	242.6	14.00	230.6	13.10
		71.0	290.2	16.44	273.4	15.52	259.6	14.92	253.4	14.60	242.6	13.70	230.6	12.78
		88.8	290.2	16.12	273.4	15.52	259.6	14.92	253.4	14.30	242.6	13.38	230.6	12.46
		106.5	290.2	15.96	273.4	15.52	259.6	14.92	253.4	14.14	242.6	13.22	230.6	12.30
	68	28.4	290.2	14.36	273.4	13.78	259.6	13.10	253.4	12.86	242.6	12.26	230.6	11.36
		35.5	290.2	14.30	273.4	13.70	259.6	13.10	253.4	12.78	242.6	12.18	230.6	11.28
		71.0	290.2	14.00	273.4	13.38	259.6	13.10	253.4	12.46	242.6	11.86	230.6	10.96
		88.8	290.2	13.70	273.4	13.10	259.6	12.78	253.4	12.46	242.6	11.56	230.6	10.96
		106.5	290.2	13.54	273.4	12.96	259.6	12.62	253.4	12.46	242.6	11.40	230.6	10.96
	77	28.4	290.2	12.86	273.4	11.94	259.6	11.28	253.4	11.04	242.6	10.44	230.6	9.80
		35.5	290.2	12.78	273.4	11.86	259.6	11.28	253.4	10.96	242.6	10.36	230.6	9.72
		71.0	290.2	12.46	273.4	11.56	259.6	11.28	253.4	10.64	242.6	10.04	230.6	9.44
		88.8	290.2	12.18	273.4	11.56	259.6	10.96	253.4	10.64	242.6	10.04	230.6	9.44
		106.5	290.2	12.04	273.4	11.56	259.6	10.80	253.4	10.64	242.6	10.04	230.6	9.44
	86	28.4	290.2	11.36	273.4	10.72	259.6	10.12	253.4	9.80	242.6	9.20	230.6	8.62
		35.5	290.2	11.28	273.4	10.64	259.6	10.04	253.4	9.72	242.6	9.14	230.6	8.54
		71.0	290.2	10.96	273.4	10.36	259.6	9.72	253.4	9.44	242.6	8.82	230.6	8.22
		88.8	290.2	10.96	273.4	10.36	259.6	9.72	253.4	9.44	242.6	8.82	230.6	8.22
		106.5	290.2	10.96	273.4	10.36	259.6	9.72	253.4	9.44	242.6	8.82	230.6	8.22
	95	28.4	290.2	10.44	273.4	9.80	259.6	8.88	253.4	8.54	242.6	8.30	230.6	7.62
		35.5	290.2	10.36	273.4	9.72	259.6	8.82	253.4	8.54	242.6	8.22	230.6	7.62
		71.0	290.2	10.04	273.4	9.44	259.6	8.54	253.4	8.54	242.6	7.90	230.6	7.62
		88.8	290.2	10.04	273.4	9.14	259.6	8.54	253.4	8.22	242.6	7.90	230.6	7.30
		106.5	290.2	10.04	273.4	8.98	259.6	8.54	253.4	8.06	242.6	7.90	230.6	7.14
	104	28.4	290.2	9.88	273.4	8.88	259.6	7.90	253.4	7.98	242.6	7.30	230.6	7.06
		35.5	290.2	9.72	273.4	8.82	259.6	7.90	253.4	7.90	242.6	7.30	230.6	6.98
		71.0	290.2	9.14	273.4	8.54	259.6	7.90	253.4	7.62	242.6	7.30	230.6	6.70
		88.8	290.2	9.14	273.4	8.54	259.6	7.62	253.4	7.62	242.6	7.30	230.6	6.70
		106.5	290.2	9.14	273.4	8.54	259.6	7.48	253.4	7.62	242.6	7.30	230.6	6.70
	113	28.4	290.2	9.36	273.4	7.98	259.6	6.90	253.4	7.46	242.6	6.32	230.6	6.54
		35.5	290.2	9.14	273.4	7.90	259.6	6.98	253.4	7.30	242.6	6.40	230.6	6.40
		71.0	290.2	8.22	273.4	7.62	259.6	7.30	253.4	6.70	242.6	6.70	230.6	5.80
		88.8	290.2	8.22	273.4	7.90	259.6	6.70	253.4	6.98	242.6	6.70	230.6	6.08
		106.5	290.2	8.22	273.4	8.04	259.6	6.40	253.4	7.14	242.6	6.70	230.6	6.22

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	28.4	101.4	11.00	95.2	10.48	90.0	10.14	89.2	9.56	88.6	9.22	87.2	8.38
		35.5	104.8	11.24	98.6	10.70	93.2	10.36	92.2	9.76	91.6	9.42	90.2	8.56
		71.0	118.8	12.18	111.6	11.62	105.2	11.24	104.2	10.58	103.6	10.20	101.8	9.28
		88.8	131.4	13.16	123.2	12.54	116.4	12.12	115.4	11.40	114.6	11.02	112.4	10.02
		106.5	137.8	13.66	129.2	13.00	122.0	12.56	121.0	11.80	120.0	11.44	117.8	10.38
	32	28.4	181.6	16.10	167.8	15.36	155.8	14.84	153.0	13.98	150.6	13.50	145.4	12.28
		35.5	182.6	16.16	168.8	15.40	156.8	14.90	154.0	14.00	151.6	13.54	146.2	12.30
		71.0	186.8	16.34	172.6	15.56	160.4	15.08	157.6	14.16	155.2	13.70	149.4	12.44
		88.8	189.6	16.34	175.4	15.56	162.8	15.08	160.0	14.16	157.6	13.70	152.0	12.44
		106.5	191.0	16.34	176.8	15.56	164.0	15.08	161.2	14.16	158.8	13.70	153.2	12.44
	41	28.4	250.8	17.54	237.6	16.70	226.2	16.16	221.6	15.22	211.6	14.68	201.6	13.34
		35.5	251.4	17.64	238.2	16.78	226.4	16.24	221.6	15.30	211.6	14.76	201.6	13.42
		71.0	253.4	17.98	240.0	17.12	226.6	16.60	221.6	15.58	211.6	15.08	201.6	13.70
		88.8	253.4	18.10	239.6	17.26	226.6	16.72	221.6	15.70	211.6	15.18	201.6	13.78
		106.5	253.4	18.16	239.4	17.32	226.6	16.78	221.6	15.78	211.6	15.22	201.6	13.84
	50	28.4	252.0	16.16	238.4	15.26	226.6	14.70	221.6	13.88	211.6	13.32	201.6	12.18
		35.5	252.2	16.12	238.8	15.24	226.6	14.68	221.6	13.88	211.6	13.32	201.6	12.18
		71.0	253.4	16.00	239.6	15.12	226.6	14.54	221.6	13.88	211.6	13.32	201.6	12.18
		88.8	253.4	16.06	239.6	15.18	226.6	14.60	221.6	13.94	211.6	13.22	201.6	12.22
		106.5	253.4	16.08	239.6	15.20	226.6	14.64	221.6	13.98	211.6	13.18	201.6	12.24
	59	28.4	253.4	14.76	239.6	13.84	226.6	13.26	221.6	12.54	211.6	11.94	201.6	11.04
		35.5	253.4	14.60	239.6	13.70	226.6	13.10	221.6	12.46	211.6	11.86	201.6	10.96
		71.0	253.4	14.00	239.6	13.10	226.6	12.46	221.6	12.18	211.6	11.56	201.6	10.64
		88.8	253.4	14.00	239.6	13.10	226.6	12.46	221.6	12.18	211.6	11.28	201.6	10.64
		106.5	253.4	14.00	239.6	13.10	226.6	12.46	221.6	12.18	211.6	11.12	201.6	10.64
	68	28.4	253.4	12.26	239.6	11.62	226.6	11.36	221.6	11.04	211.6	10.44	201.6	9.80
		35.5	253.4	12.18	239.6	11.56	226.6	11.28	221.6	10.96	211.6	10.36	201.6	9.72
		71.0	253.4	11.86	239.6	11.28	226.6	10.96	221.6	10.64	211.6	10.04	201.6	9.44
		88.8	253.4	11.86	239.6	11.28	226.6	10.96	221.6	10.36	211.6	10.04	201.6	9.14
		106.5	253.4	11.86	239.6	11.28	226.6	10.96	221.6	10.22	211.6	10.04	201.6	8.98
	77	28.4	253.4	11.04	239.6	10.44	226.6	9.80	221.6	9.52	211.6	8.82	201.6	8.22
		35.5	253.4	10.96	239.6	10.36	226.6	9.72	221.6	9.44	211.6	8.82	201.6	8.22
		71.0	253.4	10.64	239.6	10.04	226.6	9.44	221.6	9.14	211.6	8.82	201.6	8.22
		88.8	253.4	10.36	239.6	9.72	226.6	9.44	221.6	9.14	211.6	8.54	201.6	8.22
		106.5	253.4	10.22	239.6	9.56	226.6	9.44	221.6	9.14	211.6	8.38	201.6	8.22
	86	28.4	253.4	9.80	239.6	9.20	226.6	8.62	221.6	8.22	211.6	7.98	201.6	7.30
		35.5	253.4	9.72	239.6	9.14	226.6	8.54	221.6	8.22	211.6	7.90	201.6	7.30
		71.0	253.4	9.44	239.6	8.82	226.6	8.22	221.6	8.22	211.6	7.62	201.6	7.30
		88.8	253.4	9.44	239.6	8.82	226.6	8.22	221.6	7.90	211.6	7.62	201.6	7.30
		106.5	253.4	9.44	239.6	8.82	226.6	8.22	221.6	7.74	211.6	7.62	201.6	7.30
	95	28.4	253.4	8.88	239.6	8.30	226.6	7.62	221.6	7.70	211.6	6.98	201.6	6.78
		35.5	253.4	8.82	239.6	8.22	226.6	7.62	221.6	7.62	211.6	6.98	201.6	6.70
		71.0	253.4	8.54	239.6	7.90	226.6	7.62	221.6	7.30	211.6	6.98	201.6	6.40
		88.8	253.4	8.54	239.6	7.90	226.6	7.30	221.6	7.30	211.6	6.98	201.6	6.40
		106.5	253.4	8.54	239.6	7.90	226.6	7.14	221.6	7.30	211.6	6.98	201.6	6.40
	104	28.4	253.4	8.30	239.6	7.70	226.6	7.06	221.6	6.70	211.6	6.40	201.6	6.14
		35.5	253.4	8.22	239.6	7.62	226.6	6.98	221.6	6.70	211.6	6.40	201.6	6.08
		71.0	253.4	7.90	239.6	7.30	226.6	6.70	221.6	6.70	211.6	6.40	201.6	5.80
		88.8	253.4	7.90	239.6	7.30	226.6	6.70	221.6	6.40	211.6	6.08	201.6	5.80
		106.5	253.4	7.90	239.6	7.30	226.6	6.70	221.6	6.24	211.6	5.92	201.6	5.80
	113	28.4	253.4	7.70	239.6	7.06	226.6	6.54	221.6	5.72	211.6	5.80	201.6	5.56
		35.5	253.4	7.62	239.6	6.98	226.6	6.40	221.6	5.80	211.6	5.80	201.6	5.48
		71.0	253.4	7.30	239.6	6.70	226.6	5.80	221.6	6.08	211.6	5.80	201.6	5.16
		88.8	253.4	7.30	239.6	6.70	226.6	6.08	221.6	5.48	211.6	5.16	201.6	5.16
		106.5	253.4	7.30	239.6	6.70	226.6	6.22	221.6	5.18	211.6	4.84	201.6	5.16

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	28.4	87.0	8.94	81.6	8.60	77.2	8.26	76.4	7.68	76.0	7.54	74.6	6.74
		35.5	90.2	9.14	84.4	8.78	79.8	8.44	79.0	7.84	78.6	7.72	77.2	6.90
		71.0	102.2	9.92	95.6	9.54	90.4	9.16	89.6	8.50	89.2	8.38	87.4	7.50
		88.8	112.8	10.68	105.4	10.30	100.0	9.88	98.8	9.20	98.6	9.04	96.4	8.06
		106.5	118.0	11.06	110.6	10.68	105.0	10.26	103.6	9.54	103.2	9.36	101.0	8.34
	32	28.4	155.8	13.08	143.6	12.62	133.8	12.08	131.2	11.24	129.4	11.08	124.6	9.90
		35.5	156.8	13.12	144.4	12.66	134.8	12.12	132.0	11.28	130.2	11.12	125.4	9.92
		71.0	160.4	13.28	147.6	12.78	138.0	12.28	135.0	11.40	133.2	11.24	128.0	10.02
		88.8	162.8	13.28	150.0	12.78	140.2	12.28	137.2	11.40	135.4	11.24	130.2	10.02
		106.5	164.0	13.28	151.4	12.78	141.2	12.28	138.2	11.40	136.4	11.24	131.2	10.02
	41	28.4	215.4	14.26	203.0	13.72	194.8	13.16	189.8	12.24	181.8	12.06	173.0	10.74
		35.5	215.8	14.32	203.4	13.78	194.8	13.22	189.8	12.30	181.8	12.12	173.0	10.80
		71.0	217.6	14.60	205.0	14.08	194.8	13.50	189.8	12.56	181.8	12.38	173.0	11.02
		88.8	217.6	14.74	204.6	14.16	194.8	13.60	189.8	12.66	181.8	12.44	173.0	11.12
		106.5	217.6	14.80	204.4	14.22	194.8	13.64	189.8	12.70	181.8	12.46	173.0	11.16
	50	28.4	216.4	13.10	203.8	12.54	194.8	11.94	189.8	11.14	181.8	10.94	173.0	9.80
		35.5	216.8	13.10	204.0	12.54	194.8	11.94	189.8	11.18	181.8	10.92	173.0	9.82
		71.0	217.6	13.10	205.0	12.54	194.8	11.94	189.8	11.30	181.8	10.90	173.0	9.92
		88.8	217.6	13.12	204.6	12.40	194.8	11.80	189.8	11.18	181.8	10.80	173.0	9.82
		106.5	217.6	13.14	204.4	12.34	194.8	11.74	189.8	11.12	181.8	10.76	173.0	9.78
	59	28.4	217.6	11.94	204.6	11.36	194.8	10.72	189.8	10.04	181.8	9.80	173.0	8.82
		35.5	217.6	11.86	204.6	11.28	194.8	10.64	189.8	10.04	181.8	9.72	173.0	8.82
		71.0	217.6	11.56	204.6	10.96	194.8	10.36	189.8	10.04	181.8	9.44	173.0	8.82
		88.8	217.6	11.56	204.6	10.64	194.8	10.04	189.8	9.72	181.8	9.14	173.0	8.54
		106.5	217.6	11.56	204.6	10.48	194.8	9.88	189.8	9.56	181.8	8.98	173.0	8.38
	68	28.4	217.6	10.44	204.6	9.80	194.8	9.20	189.8	8.88	181.8	8.62	173.0	7.98
		35.5	217.6	10.36	204.6	9.72	194.8	9.14	189.8	8.82	181.8	8.54	173.0	7.90
		71.0	217.6	10.04	204.6	9.44	194.8	8.82	189.8	8.54	181.8	8.22	173.0	7.62
		88.8	217.6	10.04	204.6	9.44	194.8	8.82	189.8	8.54	181.8	8.22	173.0	7.62
		106.5	217.6	10.04	204.6	9.44	194.8	8.82	189.8	8.54	181.8	8.22	173.0	7.62
	77	28.4	217.6	9.20	204.6	8.62	194.8	7.90	189.8	7.98	181.8	7.30	173.0	7.06
		35.5	217.6	9.14	204.6	8.54	194.8	7.90	189.8	7.90	181.8	7.30	173.0	6.98
		71.0	217.6	8.82	204.6	8.22	194.8	7.90	189.8	7.62	181.8	7.30	173.0	6.70
		88.8	217.6	8.82	204.6	8.22	194.8	7.62	189.8	7.62	181.8	7.30	173.0	6.70
		106.5	217.6	8.82	204.6	8.22	194.8	7.48	189.8	7.62	181.8	7.30	173.0	6.70
	86	28.4	217.6	8.30	204.6	7.70	194.8	7.38	189.8	7.06	181.8	6.78	173.0	6.48
		35.5	217.6	8.22	204.6	7.62	194.8	7.30	189.8	6.98	181.8	6.70	173.0	6.40
		71.0	217.6	7.90	204.6	7.30	194.8	6.98	189.8	6.70	181.8	6.40	173.0	6.08
		88.8	217.6	7.90	204.6	7.30	194.8	6.98	189.8	6.70	181.8	6.40	173.0	6.08
		106.5	217.6	7.90	204.6	7.30	194.8	6.98	189.8	6.70	181.8	6.40	173.0	6.08
	95	28.4	217.6	7.30	204.6	7.06	194.8	6.40	189.8	6.48	181.8	6.14	173.0	5.88
		35.5	217.6	7.30	204.6	6.98	194.8	6.40	189.8	6.40	181.8	6.08	173.0	5.80
		71.0	217.6	7.30	204.6	6.70	194.8	6.40	189.8	6.08	181.8	5.80	173.0	5.48
		88.8	217.6	7.30	204.6	6.70	194.8	6.08	189.8	6.08	181.8	5.80	173.0	5.48
		106.5	217.6	7.30	204.6	6.70	194.8	5.92	189.8	6.08	181.8	5.80	173.0	5.48
	104	28.4	217.6	6.70	204.6	6.48	194.8	5.80	189.8	5.88	181.8	5.56	173.0	5.16
		35.5	217.6	6.70	204.6	6.40	194.8	5.80	189.8	5.80	181.8	5.48	173.0	5.16
		71.0	217.6	6.70	204.6	6.08	194.8	5.80	189.8	5.48	181.8	5.16	173.0	5.16
		88.8	217.6	6.70	204.6	6.08	194.8	5.80	189.8	5.48	181.8	5.16	173.0	5.16
		106.5	217.6	6.70	204.6	6.08	194.8	5.80	189.8	5.48	181.8	5.16	173.0	5.16
	113	28.4	217.6	6.08	204.6	5.88	194.8	5.16	189.8	5.24	181.8	4.96	173.0	4.48
		35.5	217.6	6.08	204.6	5.80	194.8	5.16	189.8	5.16	181.8	4.88	173.0	4.56
		71.0	217.6	6.08	204.6	5.48	194.8	5.16	189.8	4.88	181.8	4.56	173.0	4.88
		88.8	217.6	6.08	204.6	5.48	194.8	5.48	189.8	4.88	181.8	4.56	173.0	4.88
		106.5	217.6	6.08	204.6	5.48	194.8	5.64	189.8	4.88	181.8	4.56	173.0	4.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288BAS4, ARWB288BAS4

288,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	28.4	72.6	7.12	68.2	6.74	64.4	6.38	63.4	6.04	63.2	5.66	62.0	5.36
		35.5	75.0	7.28	70.6	6.90	66.6	6.52	65.8	6.18	65.4	5.80	64.2	5.48
		71.0	84.6	7.88	79.6	7.50	75.4	7.06	74.4	6.70	74.2	6.30	72.6	5.92
		88.8	93.8	8.50	88.0	8.06	83.2	7.62	82.2	7.24	81.6	6.76	80.4	6.40
		106.5	98.2	8.82	92.2	8.34	87.2	7.90	86.2	7.52	85.4	7.00	84.4	6.62
	32	28.4	129.4	10.42	119.8	9.90	111.4	9.32	109.0	8.84	107.6	8.32	103.6	7.84
		35.5	130.2	10.46	120.6	9.92	112.2	9.36	109.8	8.88	108.2	8.34	104.2	7.88
		71.0	133.2	10.54	123.2	10.02	114.8	9.48	112.4	9.00	111.0	8.44	106.6	7.96
		88.8	135.4	10.54	125.0	10.02	116.4	9.48	114.2	9.00	112.4	8.44	108.6	7.96
		106.5	136.4	10.54	126.0	10.02	117.0	9.48	115.2	9.00	113.2	8.44	109.4	7.96
	41	28.4	179.0	11.34	169.6	10.74	161.8	10.14	158.0	9.64	151.0	9.06	144.0	8.52
		35.5	179.4	11.40	170.0	10.80	161.8	10.20	158.0	9.70	151.0	9.10	144.0	8.56
		71.0	180.8	11.62	171.2	11.02	162.2	10.42	158.0	9.88	151.0	9.26	144.0	8.76
		88.8	180.8	11.72	170.8	11.12	162.2	10.48	158.0	9.94	151.0	9.36	144.0	8.82
		106.5	180.8	11.76	170.8	11.16	162.2	10.52	158.0	9.98	151.0	9.40	144.0	8.84
	50	28.4	180.0	10.44	170.0	9.84	161.8	9.24	158.0	8.84	151.0	8.16	144.0	7.80
		35.5	180.2	10.42	170.2	9.82	161.8	9.22	158.0	8.82	151.0	8.18	144.0	7.78
		71.0	180.8	10.36	171.2	9.80	162.2	9.16	158.0	8.76	151.0	8.28	144.0	7.72
		88.8	180.8	10.42	170.8	9.82	162.2	9.20	158.0	8.78	151.0	8.16	144.0	7.74
		106.5	180.8	10.46	170.8	9.84	162.2	9.20	158.0	8.80	151.0	8.10	144.0	7.76
	59	28.4	180.8	9.52	170.8	8.88	162.2	8.30	158.0	7.98	151.0	7.30	144.0	7.06
		35.5	180.8	9.44	170.8	8.82	162.2	8.22	158.0	7.90	151.0	7.30	144.0	6.98
		71.0	180.8	9.14	170.8	8.54	162.2	7.90	158.0	7.62	151.0	7.30	144.0	6.70
		88.8	180.8	9.14	170.8	8.54	162.2	7.90	158.0	7.62	151.0	6.98	144.0	6.70
		106.5	180.8	9.14	170.8	8.54	162.2	7.90	158.0	7.62	151.0	6.84	144.0	6.70
	68	28.4	180.8	8.30	170.8	7.70	162.2	7.38	158.0	7.06	151.0	6.78	144.0	6.08
		35.5	180.8	8.22	170.8	7.62	162.2	7.30	158.0	6.98	151.0	6.70	144.0	6.08
		71.0	180.8	7.90	170.8	7.30	162.2	6.98	158.0	6.70	151.0	6.40	144.0	6.08
		88.8	180.8	7.90	170.8	7.30	162.2	6.98	158.0	6.70	151.0	6.40	144.0	6.08
		106.5	180.8	7.90	170.8	7.30	162.2	6.98	158.0	6.70	151.0	6.40	144.0	6.08
	77	28.4	180.8	7.38	170.8	6.70	162.2	6.48	158.0	6.08	151.0	5.80	144.0	5.48
		35.5	180.8	7.30	170.8	6.70	162.2	6.40	158.0	6.08	151.0	5.80	144.0	5.48
		71.0	180.8	6.98	170.8	6.70	162.2	6.08	158.0	6.08	151.0	5.80	144.0	5.48
		88.8	180.8	6.98	170.8	6.70	162.2	6.08	158.0	6.08	151.0	5.80	144.0	5.48
		106.5	180.8	6.98	170.8	6.70	162.2	6.08	158.0	6.08	151.0	5.80	144.0	5.48
	86	28.4	180.8	6.78	170.8	6.14	162.2	5.88	158.0	5.48	151.0	5.56	144.0	5.24
		35.5	180.8	6.70	170.8	6.08	162.2	5.80	158.0	5.48	151.0	5.48	144.0	5.16
		71.0	180.8	6.40	170.8	5.80	162.2	5.48	158.0	5.48	151.0	5.16	144.0	4.88
		88.8	180.8	6.40	170.8	5.80	162.2	5.48	158.0	5.48	151.0	5.16	144.0	4.88
		106.5	180.8	6.40	170.8	5.80	162.2	5.48	158.0	5.48	151.0	5.16	144.0	4.88
	95	28.4	180.8	6.14	170.8	5.48	162.2	5.16	158.0	5.24	151.0	4.88	144.0	4.56
		35.5	180.8	6.08	170.8	5.48	162.2	5.16	158.0	5.16	151.0	4.88	144.0	4.56
		71.0	180.8	5.80	170.8	5.48	162.2	5.16	158.0	4.88	151.0	4.88	144.0	4.56
		88.8	180.8	5.80	170.8	5.48	162.2	5.16	158.0	4.88	151.0	4.88	144.0	4.56
		106.5	180.8	5.80	170.8	5.48	162.2	5.16	158.0	4.88	151.0	4.88	144.0	4.56
	104	28.4	180.8	5.56	170.8	5.24	162.2	4.96	158.0	4.56	151.0	4.64	144.0	4.26
		35.5	180.8	5.48	170.8	5.16	162.2	4.88	158.0	4.56	151.0	4.56	144.0	4.26
		71.0	180.8	5.16	170.8	4.88	162.2	4.56	158.0	4.56	151.0	4.26	144.0	4.26
		88.8	180.8	5.16	170.8	4.88	162.2	4.56	158.0	4.56	151.0	4.26	144.0	4.26
		106.5	180.8	5.16	170.8	4.88	162.2	4.56	158.0	4.56	151.0	4.26	144.0	4.26
	113	28.4	180.8	4.96	170.8	5.04	162.2	4.72	158.0	3.90	151.0	4.40	144.0	3.96
		35.5	180.8	4.88	170.8	4.88	162.2	4.56	158.0	3.96	151.0	4.26	144.0	3.96
		71.0	180.8	4.56	170.8	4.26	162.2	3.96	158.0	4.26	151.0	3.66	144.0	3.96
		88.8	180.8	4.56	170.8	4.26	162.2	3.96	158.0	4.26	151.0	3.66	144.0	3.96
		106.5	180.8	4.56	170.8	4.26	162.2	3.96	158.0	4.26	151.0	3.66	144.0	3.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	36.5	191.5	23.40	190.2	22.03	189.0	20.51	186.5	19.90	188.7	19.39	183.5	17.38
		45.7	198.2	23.82	196.7	22.47	195.5	20.96	193.0	20.34	195.2	19.80	190.0	17.77
		91.3	224.2	25.43	222.3	24.16	221.2	22.74	218.2	22.08	220.8	21.47	215.0	19.27
		114.1	248.0	27.05	245.7	25.82	244.2	24.50	241.0	23.85	244.2	23.16	237.7	20.76
		137.0	259.8	27.86	257.5	26.66	255.7	25.41	252.7	24.75	256.0	24.01	249.0	21.52
	32	36.5	342.3	32.02	334.5	31.06	327.3	30.04	320.2	29.20	321.3	28.40	306.7	25.43
		45.7	344.3	32.09	336.5	31.14	329.3	30.13	322.0	29.28	323.2	28.47	308.5	25.51
		91.3	352.7	32.44	344.0	31.43	336.8	30.48	329.7	29.64	330.8	28.79	316.0	25.82
		114.1	358.0	32.44	349.2	31.43	342.0	30.48	334.5	29.64	335.7	28.79	320.5	25.82
		137.0	360.5	32.44	352.0	31.43	344.7	30.48	337.0	29.64	338.2	28.79	323.0	25.82
	41	36.5	493.0	34.42	485.5	33.56	475.3	32.70	463.5	31.78	451.0	30.90	426.0	27.68
		45.7	494.7	34.57	486.5	33.71	475.5	32.88	463.5	31.95	451.0	31.06	426.0	27.83
		91.3	501.5	35.18	489.8	34.34	475.8	33.54	463.5	32.61	451.0	31.68	426.0	28.40
		114.1	504.5	35.42	491.3	34.57	475.8	33.76	463.5	32.83	451.0	31.90	426.0	28.59
		137.0	506.0	35.52	492.0	34.69	475.8	33.88	463.5	32.95	451.0	32.02	426.0	28.69
	50	36.5	493.5	31.31	485.5	30.26	474.0	29.69	461.5	29.03	449.2	28.03	424.5	25.29
		45.7	496.5	31.26	488.0	30.28	475.8	29.74	463.5	29.01	451.0	28.01	426.0	25.29
		91.3	508.2	31.02	497.0	30.40	483.3	29.99	471.0	28.98	457.7	27.93	433.0	25.19
		114.1	510.8	31.43	500.3	30.82	486.5	30.09	473.2	29.08	460.8	28.40	435.5	26.39
		137.0	512.2	31.65	502.0	31.04	488.0	30.16	474.3	29.15	462.3	28.64	436.8	27.00
	59	36.5	494.3	28.22	485.7	27.02	472.0	26.73	459.5	26.29	447.5	25.17	422.7	22.94
		45.7	498.5	27.93	489.5	26.90	475.8	26.66	463.5	26.09	451.0	24.97	426.0	22.74
		91.3	514.7	26.83	504.0	26.44	491.0	26.44	478.5	25.31	464.5	24.21	439.7	21.96
		114.1	517.3	27.47	509.0	27.05	497.0	26.44	483.3	25.31	471.0	24.90	445.0	24.21
		137.0	518.5	27.81	511.5	27.37	500.0	26.44	485.8	25.31	474.2	25.24	447.5	25.33
	68	36.5	513.2	25.90	503.8	24.68	490.5	24.14	477.0	23.38	463.0	22.84	435.5	22.15
		45.7	517.3	25.70	507.8	24.65	494.3	24.11	480.7	23.47	467.2	23.01	439.7	21.96
		91.3	533.5	24.97	524.0	24.58	509.3	24.04	495.8	23.85	483.3	23.62	455.8	21.23
		114.1	535.7	24.97	527.8	24.58	515.5	24.21	500.7	23.85	487.2	23.62	459.7	22.57
		137.0	536.8	24.97	529.7	24.58	518.5	24.28	503.2	23.85	489.0	23.62	461.5	23.26
	77	36.5	541.8	24.68	527.8	23.97	515.5	23.57	505.5	23.16	494.3	22.84	466.0	21.32
		45.7	541.8	24.58	527.8	23.94	515.5	23.47	505.5	23.08	494.3	22.74	466.0	21.23
		91.3	541.8	24.21	527.8	23.77	515.5	23.08	505.5	22.74	494.3	22.35	466.0	20.85
		114.1	541.8	23.85	527.8	23.16	515.5	22.74	505.5	22.35	494.3	21.96	466.0	20.49
		137.0	541.8	23.67	527.8	22.84	515.5	22.57	505.5	22.15	494.3	21.76	466.0	20.32
	86	36.5	541.8	24.04	527.8	22.84	515.5	22.64	505.5	22.06	494.3	21.81	466.0	20.29
		45.7	541.8	23.85	527.8	22.81	515.5	22.50	505.5	21.96	494.3	21.62	466.0	20.12
		91.3	541.8	23.08	527.8	22.67	515.5	21.96	505.5	21.62	494.3	20.85	466.0	19.39
		114.1	541.8	22.74	527.8	22.03	515.5	21.62	505.5	21.23	494.3	20.85	466.0	19.39
		137.0	541.8	22.57	527.8	21.74	515.5	21.44	505.5	21.03	494.3	20.85	466.0	19.39
	95	36.5	541.8	22.94	527.8	22.18	515.5	21.71	505.5	20.93	494.3	20.22	466.0	18.80
		45.7	541.8	22.74	527.8	22.03	515.5	21.62	505.5	20.85	494.3	20.12	466.0	18.61
		91.3	541.8	21.96	527.8	21.54	515.5	21.23	505.5	20.49	494.3	19.73	466.0	17.87
		114.1	541.8	21.96	527.8	21.30	515.5	20.85	505.5	20.12	494.3	19.39	466.0	17.87
		137.0	541.8	21.96	527.8	21.20	515.5	20.66	505.5	19.93	494.3	19.22	466.0	17.87
	104	36.5	541.8	22.15	527.8	21.44	515.5	21.03	505.5	20.29	494.3	19.58	466.0	17.68
		45.7	541.8	21.96	527.8	21.30	515.5	20.85	505.5	20.12	494.3	19.39	466.0	17.50
		91.3	541.8	21.23	527.8	20.76	515.5	20.12	505.5	19.39	494.3	18.61	466.0	16.77
		114.1	541.8	20.85	527.8	20.42	515.5	20.12	505.5	19.39	494.3	18.61	466.0	16.77
		137.0	541.8	20.66	527.8	20.25	515.5	20.12	505.5	19.39	494.3	18.61	466.0	16.77
	113	36.5	541.8	21.42	527.8	20.71	515.5	20.39	505.5	19.66	494.3	18.90	466.0	16.57
		45.7	541.8	21.23	527.8	20.59	515.5	20.12	505.5	19.39	494.3	18.61	466.0	16.38
		91.3	541.8	20.49	527.8	20.05	515.5	19.00	505.5	18.26	494.3	17.50	466.0	15.64
		114.1	541.8	19.73	527.8	19.54	515.5	19.39	505.5	18.61	494.3	17.87	466.0	15.64
		137.0	541.8	19.34	527.8	19.29	515.5	19.58	505.5	18.78	494.3	18.07	466.0	15.64

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN360BDAS4, ARWB360BAS4
360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating-Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	36.5	182.0	23.40	180.7	22.03	179.5	20.51	177.5	19.66	178.8	19.07	174.0	17.08
		45.7	188.3	23.82	186.8	22.47	185.7	20.96	183.5	20.07	185.0	19.51	180.0	17.45
		91.3	213.2	25.43	211.3	24.16	210.2	22.74	207.5	21.76	209.5	21.15	203.8	18.95
		114.1	235.5	27.05	233.5	25.82	232.0	24.50	229.5	23.50	231.3	22.81	225.0	20.42
		137.0	246.7	27.86	244.8	26.66	243.0	25.41	240.5	24.38	242.3	23.65	235.5	21.15
	32	36.5	325.5	32.02	317.5	31.06	310.8	30.04	304.5	28.77	304.5	27.98	290.5	25.02
		45.7	327.5	32.09	319.5	31.14	312.7	30.13	306.3	28.86	306.3	28.05	292.3	25.09
		91.3	335.0	32.44	327.0	31.43	320.2	30.48	313.5	29.21	313.5	28.37	299.5	25.39
		114.1	340.2	32.44	332.3	31.43	325.2	30.48	318.3	29.21	318.0	28.37	304.0	25.39
		137.0	342.8	32.44	335.0	31.43	327.5	30.48	320.8	29.21	320.3	28.37	306.3	25.39
	41	36.5	469.2	34.42	462.2	33.56	452.0	32.70	441.2	31.31	427.2	30.45	403.8	27.27
		45.7	471.0	34.57	463.0	33.71	452.0	32.88	441.2	31.48	427.2	30.60	403.8	27.39
		91.3	477.7	35.18	466.5	34.34	452.0	33.54	441.2	32.14	427.2	31.21	403.8	27.93
		114.1	480.3	35.42	463.8	34.57	452.0	33.76	441.2	32.36	427.2	31.43	403.8	28.13
		137.0	481.7	35.52	462.5	34.69	452.0	33.88	441.2	32.48	427.2	31.56	403.8	28.23
	50	36.5	471.0	30.92	462.2	30.06	450.8	29.45	440.0	28.55	426.0	27.61	402.8	24.82
		45.7	473.2	31.02	464.2	30.18	452.0	29.55	441.2	28.59	427.2	27.59	403.8	24.85
		91.3	481.8	31.43	471.7	30.63	457.0	29.99	446.0	28.74	431.7	27.51	408.0	24.97
		114.1	484.5	31.33	470.2	30.63	458.8	30.09	448.0	28.86	433.7	27.64	410.0	25.82
		137.0	485.8	31.26	469.5	30.63	459.8	30.16	449.0	28.91	434.5	27.69	410.8	26.24
	59	36.5	472.3	27.42	462.8	26.61	449.5	26.19	438.7	25.80	425.0	24.77	401.7	22.45
		45.7	475.0	27.47	465.7	26.66	452.0	26.24	441.2	25.70	427.2	24.58	403.8	22.35
		91.3	486.0	27.71	477.0	26.90	462.3	26.44	451.0	25.31	436.0	23.85	412.5	21.96
		114.1	488.7	27.27	476.5	26.66	466.0	26.44	454.7	25.31	439.7	23.85	416.3	23.47
		137.0	490.0	27.07	476.5	26.56	468.0	26.44	456.7	25.31	441.5	23.85	418.2	24.23
	68	36.5	485.5	24.65	476.3	23.62	462.0	22.99	449.2	22.64	434.7	22.37	411.2	21.23
		45.7	488.7	24.65	479.2	23.70	464.5	23.08	452.0	22.74	437.5	22.35	413.7	21.15
		91.3	501.0	24.65	490.5	24.04	474.7	23.47	463.5	23.08	448.3	22.28	423.5	20.85
		114.1	503.3	24.43	490.2	23.85	478.5	23.47	466.0	23.08	451.0	22.35	426.0	21.62
		137.0	504.5	24.31	490.0	23.75	480.3	23.47	467.3	23.08	452.3	22.40	427.5	22.01
	77	36.5	509.0	23.33	494.3	22.23	478.5	21.81	468.3	21.32	455.8	20.93	431.0	19.48
		45.7	509.3	23.23	494.3	22.20	478.5	21.76	468.3	21.23	455.8	20.85	431.0	19.39
		91.3	510.5	22.89	494.3	22.03	478.5	21.62	468.3	20.85	455.8	20.49	431.0	19.00
		114.1	512.0	22.03	494.3	21.47	478.5	21.23	468.3	20.85	455.8	20.12	431.0	19.00
		137.0	512.8	21.62	494.3	21.17	478.5	21.03	468.3	20.85	455.8	19.93	431.0	19.00
	86	36.5	512.0	22.30	494.3	21.20	478.5	20.59	468.3	19.83	455.8	19.58	431.0	17.97
		45.7	512.0	22.13	494.3	21.08	478.5	20.49	468.3	19.73	455.8	19.39	431.0	17.87
		91.3	512.0	21.39	494.3	20.59	478.5	20.12	468.3	19.39	455.8	18.61	431.0	17.50
		114.1	512.0	20.69	494.3	20.12	478.5	19.73	468.3	19.39	455.8	18.61	431.0	17.14
		137.0	512.0	20.34	494.3	19.88	478.5	19.53	468.3	19.39	455.8	18.61	431.0	16.97
	95	36.5	512.0	21.30	494.3	20.15	478.5	19.58	468.3	18.80	455.8	18.07	431.0	16.47
		45.7	512.0	21.00	494.3	19.95	478.5	19.39	468.3	18.61	455.8	17.87	431.0	16.38
		91.3	512.0	19.80	494.3	19.22	478.5	18.61	468.3	17.87	455.8	17.14	431.0	16.03
		114.1	512.0	19.58	494.3	19.07	478.5	18.61	468.3	17.87	455.8	17.14	431.0	15.64
		137.0	512.0	19.46	494.3	19.00	478.5	18.61	468.3	17.87	455.8	17.14	431.0	15.45
	104	36.5	512.0	20.66	494.3	19.22	478.5	18.46	468.3	17.68	455.8	16.94	431.0	15.35
		45.7	512.0	20.27	494.3	19.00	478.5	18.26	468.3	17.50	455.8	16.77	431.0	15.25
		91.3	512.0	18.68	494.3	18.11	478.5	17.50	468.3	16.77	455.8	16.03	431.0	14.91
		114.1	512.0	18.46	494.3	17.87	478.5	17.50	468.3	16.77	455.8	16.03	431.0	14.52
		137.0	512.0	18.34	494.3	17.77	478.5	17.50	468.3	16.77	455.8	16.03	431.0	14.34
	113	36.5	512.0	20.03	494.3	18.29	478.5	17.33	468.3	16.57	455.8	15.84	431.0	14.22
		45.7	512.0	19.54	494.3	18.04	478.5	17.14	468.3	16.38	455.8	15.64	431.0	14.15
		91.3	512.0	17.58	494.3	16.99	478.5	16.38	468.3	15.64	455.8	14.91	431.0	13.80
		114.1	512.0	17.33	494.3	16.69	478.5	16.38	468.3	15.64	455.8	14.91	431.0	13.41
		137.0	512.0	17.23	494.3	16.52	478.5	16.38	468.3	15.64	455.8	14.91	431.0	13.22

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN360BAS4, ARWB360BAS4
360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	36.5	172.3	23.72	171.2	22.03	170.0	20.51	168.3	19.66	168.7	19.07	165.0	17.08
		45.7	178.2	24.11	177.0	22.47	176.0	20.96	174.0	20.07	174.5	19.51	170.7	17.45
		91.3	201.5	25.75	200.5	24.16	199.3	22.74	197.0	21.76	197.0	21.15	193.3	18.95
		114.1	222.7	27.39	221.2	25.82	220.0	24.50	217.8	23.50	217.8	22.81	213.2	20.42
		137.0	233.3	28.23	231.5	26.66	230.5	25.41	228.2	24.38	228.2	23.65	223.3	21.15
	32	36.5	308.0	32.44	301.0	31.06	294.8	30.04	289.2	28.77	286.5	27.98	275.7	25.02
		45.7	309.7	32.53	303.0	31.14	296.5	30.13	290.8	28.86	288.2	28.05	277.3	25.09
		91.3	316.8	32.83	310.0	31.43	303.3	30.48	297.7	29.21	295.0	28.37	283.7	25.39
		114.1	321.7	32.83	315.0	31.43	308.2	30.48	302.2	29.21	299.5	28.37	287.8	25.39
		137.0	324.2	32.83	317.5	31.43	310.7	30.48	304.5	29.21	301.8	28.37	290.0	25.39
	41	36.5	449.0	34.88	438.5	33.56	428.3	32.70	418.5	31.31	402.3	30.45	382.8	27.27
		45.7	450.5	35.03	439.3	33.71	428.3	32.88	418.5	31.48	402.3	30.60	382.8	27.39
		91.3	456.5	35.64	442.7	34.34	428.7	33.54	418.5	32.14	402.3	31.21	382.8	27.93
		114.1	459.3	35.89	443.8	34.57	428.7	33.76	418.5	32.36	402.3	31.43	382.8	28.13
		137.0	460.5	35.99	444.3	34.69	428.7	33.88	418.5	32.48	402.3	31.56	382.8	28.23
	50	36.5	450.8	31.26	439.7	30.21	427.7	29.55	418.0	28.55	401.7	27.61	382.3	24.82
		45.7	452.5	31.33	440.8	30.28	428.3	29.64	418.5	28.59	402.3	27.59	382.8	24.85
		91.3	459.3	31.56	445.3	30.63	431.0	29.99	421.2	28.74	405.0	27.51	384.7	24.97
		114.1	462.0	31.56	447.2	30.63	432.5	29.91	422.0	28.67	405.8	27.64	385.8	25.24
		137.0	463.2	31.56	448.2	30.63	433.3	29.87	422.3	28.64	406.2	27.69	386.3	25.38
	59	36.5	452.0	27.66	440.3	26.90	427.5	26.44	417.3	25.80	401.0	24.77	381.8	22.45
		45.7	454.0	27.64	442.0	26.90	428.7	26.44	418.5	25.70	402.3	24.58	382.8	22.35
		91.3	461.5	27.47	448.3	26.90	433.7	26.44	423.5	25.31	407.7	23.85	386.5	21.96
		114.1	464.2	27.27	450.5	26.66	436.0	26.09	425.0	24.97	408.8	23.85	388.8	22.35
		137.0	465.5	27.19	451.7	26.56	437.0	25.92	425.7	24.80	409.3	23.85	390.0	22.55
	68	36.5	460.5	23.89	448.0	23.31	433.5	22.74	421.8	22.35	406.5	21.71	385.0	20.32
		45.7	463.0	23.94	449.5	23.31	434.8	22.74	423.5	22.35	407.7	21.62	386.5	20.27
		91.3	472.8	24.11	455.5	23.31	439.7	22.74	429.8	22.35	412.5	21.23	392.5	20.12
		114.1	475.5	24.11	459.3	23.31	442.3	22.74	431.0	21.96	414.8	21.23	393.7	20.12
		137.0	476.8	24.11	461.2	23.31	443.7	22.74	431.5	21.76	416.0	21.23	394.3	20.12
	77	36.5	475.0	21.74	460.8	20.93	442.3	20.59	432.5	19.83	417.5	19.09	395.2	17.50
		45.7	475.8	21.69	460.8	20.85	442.3	20.49	432.5	19.73	417.5	19.00	395.2	17.50
		91.3	479.5	21.54	460.8	20.49	442.3	20.12	432.5	19.39	417.5	18.61	395.2	17.50
		114.1	481.8	21.54	460.8	20.59	442.3	19.73	432.5	19.39	417.5	18.26	395.2	17.14
		137.0	483.0	21.54	460.8	20.61	442.3	19.53	432.5	19.39	417.5	18.09	395.2	16.97
	86	36.5	481.8	19.83	460.8	19.09	442.3	18.36	432.5	17.97	417.5	16.87	395.2	15.74
		45.7	481.8	19.73	460.8	19.00	442.3	18.26	432.5	17.87	417.5	16.77	395.2	15.64
		91.3	481.8	19.39	460.8	18.61	442.3	17.87	432.5	17.50	417.5	16.38	395.2	15.25
		114.1	481.8	19.22	460.8	18.26	442.3	17.50	432.5	17.14	417.5	16.38	395.2	15.25
		137.0	481.8	19.14	460.8	18.09	442.3	17.31	432.5	16.97	417.5	16.38	395.2	15.25
	95	36.5	481.8	18.80	460.8	17.58	442.3	16.87	432.5	16.13	417.5	15.35	395.2	14.22
		45.7	481.8	18.61	460.8	17.50	442.3	16.77	432.5	16.03	417.5	15.25	395.2	14.15
		91.3	481.8	17.87	460.8	17.14	442.3	16.38	432.5	15.64	417.5	14.91	395.2	13.80
		114.1	481.8	17.43	460.8	16.77	442.3	16.03	432.5	15.64	417.5	14.91	395.2	13.80
		137.0	481.8	17.18	460.8	16.57	442.3	15.86	432.5	15.64	417.5	14.91	395.2	13.80
	104	36.5	481.8	17.68	460.8	16.94	442.3	15.84	432.5	15.01	417.5	14.22	395.2	13.12
		45.7	481.8	17.50	460.8	16.77	442.3	15.64	432.5	14.91	417.5	14.15	395.2	13.02
		91.3	481.8	16.77	460.8	16.03	442.3	14.91	432.5	14.52	417.5	13.80	395.2	12.68
		114.1	481.8	16.53	460.8	15.64	442.3	14.91	432.5	14.15	417.5	13.41	395.2	12.29
		137.0	481.8	16.42	460.8	15.45	442.3	14.91	432.5	13.95	417.5	13.22	395.2	12.09
	113	36.5	481.8	16.57	460.8	16.31	442.3	14.81	432.5	13.90	417.5	13.12	395.2	12.00
		45.7	481.8	16.38	460.8	16.03	442.3	14.52	432.5	13.80	417.5	13.02	395.2	11.90
		91.3	481.8	15.64	460.8	14.91	442.3	13.41	432.5	13.41	417.5	12.68	395.2	11.56
		114.1	481.8	15.64	460.8	14.52	442.3	13.80	432.5	12.68	417.5	11.90	395.2	10.79
		137.0	481.8	15.64	460.8	14.34	442.3	13.98	432.5	12.31	417.5	11.53	395.2	10.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN360BAS4, ARWB360BAS4
360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	36.5	162.8	23.72	161.7	22.35	161.0	20.51	159.5	19.66	158.0	18.78	155.0	17.08
		45.7	168.5	24.11	167.3	22.77	166.5	20.96	165.0	20.07	163.5	19.19	160.5	17.45
		91.3	190.7	25.75	189.5	24.48	188.3	22.74	186.5	21.76	185.0	20.85	182.0	18.95
		114.1	210.5	27.39	209.0	26.17	208.0	24.50	206.0	23.50	204.5	22.47	200.8	20.42
		137.0	220.7	28.23	219.0	27.02	217.8	25.41	216.0	24.38	214.5	23.28	210.3	21.15
	32	36.5	291.0	32.44	284.5	31.48	278.7	30.04	273.8	28.77	269.0	27.54	259.5	25.02
		45.7	292.7	32.53	286.3	31.56	280.3	30.13	275.5	28.86	270.5	27.64	261.0	25.09
		91.3	299.5	32.83	293.0	31.87	286.7	30.48	281.8	29.21	277.0	27.93	267.0	25.39
		114.1	304.0	32.83	297.7	31.87	291.2	30.48	286.0	29.21	281.0	27.93	271.3	25.39
		137.0	306.3	32.83	300.0	31.87	293.5	30.48	288.0	29.21	283.2	27.93	273.3	25.39
	41	36.5	429.5	34.88	415.2	34.03	404.5	32.70	396.3	31.31	377.5	29.99	360.2	27.27
		45.7	431.0	35.03	416.0	34.17	404.5	32.88	396.3	31.48	377.5	30.13	360.2	27.39
		91.3	437.0	35.64	419.0	34.79	405.0	33.54	396.3	32.14	377.5	30.75	360.2	27.93
		114.1	439.7	35.89	420.0	35.03	405.0	33.76	396.3	32.36	377.5	30.94	360.2	28.13
		137.0	441.0	35.99	420.7	35.15	405.0	33.88	396.3	32.48	377.5	31.04	360.2	28.23
	50	36.5	431.8	31.19	416.5	30.50	405.0	29.55	396.3	28.55	377.5	27.15	360.2	24.82
		45.7	433.0	31.33	417.0	30.60	405.0	29.64	396.3	28.59	377.5	27.17	360.2	24.85
		91.3	437.0	31.90	419.3	30.99	405.0	29.99	396.3	28.74	377.5	27.27	360.2	24.97
		114.1	440.0	31.80	421.2	30.99	405.0	29.91	396.3	28.67	377.5	27.20	360.2	24.85
		137.0	441.5	31.73	422.2	30.99	405.0	29.87	396.3	28.64	377.5	27.17	360.2	24.80
	59	36.5	434.2	27.49	418.3	27.03	405.0	26.44	396.3	25.80	377.5	24.28	360.2	22.45
		45.7	434.8	27.64	418.5	27.05	405.0	26.44	396.3	25.70	377.5	24.21	360.2	22.35
		91.3	437.0	28.17	419.7	27.12	405.0	26.44	396.3	25.31	377.5	23.85	360.2	21.96
		114.1	440.8	27.71	422.0	26.90	405.0	26.09	396.3	24.97	377.5	23.47	360.2	21.62
		137.0	442.7	27.47	423.0	26.78	405.0	25.92	396.3	24.80	377.5	23.28	360.2	21.44
	68	36.5	436.5	23.52	420.5	22.91	405.0	22.35	396.3	22.06	377.5	20.59	360.2	19.58
		45.7	438.2	23.62	420.8	22.94	405.0	22.35	396.3	21.96	377.5	20.49	360.2	19.39
		91.3	444.5	24.04	422.0	23.01	405.0	22.35	396.3	21.62	377.5	20.12	360.2	18.61
		114.1	447.2	23.62	425.7	22.81	405.0	21.96	396.3	21.23	377.5	19.73	360.2	18.26
		137.0	448.5	23.40	427.5	22.72	405.0	21.76	396.3	21.03	377.5	19.53	360.2	18.09
	77	36.5	441.8	20.56	427.2	19.90	405.0	19.09	396.3	18.36	377.5	17.24	360.2	15.64
		45.7	443.5	20.59	427.2	19.80	405.0	19.00	396.3	18.26	377.5	17.14	360.2	15.64
		91.3	449.8	20.66	427.2	19.39	405.0	18.61	396.3	17.87	377.5	16.77	360.2	15.64
		114.1	452.0	20.20	427.2	19.22	405.0	18.26	396.3	17.50	377.5	16.77	360.2	15.25
		137.0	453.2	19.95	427.2	19.14	405.0	18.09	396.3	17.31	377.5	16.77	360.2	15.06
	86	36.5	452.0	18.70	427.2	17.24	405.0	16.06	396.3	15.74	377.5	14.52	360.2	13.90
		45.7	452.0	18.61	427.2	17.14	405.0	16.03	396.3	15.64	377.5	14.52	360.2	13.80
		91.3	452.0	18.26	427.2	16.77	405.0	15.89	396.3	15.25	377.5	14.52	360.2	13.41
		114.1	452.0	17.87	427.2	16.77	405.0	15.64	396.3	15.25	377.5	14.15	360.2	13.41
		137.0	452.0	17.68	427.2	16.77	405.0	15.52	396.3	15.25	377.5	13.95	360.2	13.41
	95	36.5	452.0	17.33	427.2	15.84	405.0	14.18	396.3	13.90	377.5	13.12	360.2	12.00
		45.7	452.0	17.14	427.2	15.64	405.0	14.15	396.3	13.80	377.5	13.02	360.2	11.90
		91.3	452.0	16.38	427.2	14.91	405.0	13.98	396.3	13.41	377.5	12.68	360.2	11.56
		114.1	452.0	16.38	427.2	14.91	405.0	13.80	396.3	13.41	377.5	12.68	360.2	11.56
		137.0	452.0	16.38	427.2	14.91	405.0	13.71	396.3	13.41	377.5	12.68	360.2	11.56
	104	36.5	452.0	16.23	427.2	14.71	405.0	12.71	396.3	12.39	377.5	11.65	360.2	10.87
		45.7	452.0	16.03	427.2	14.52	405.0	12.68	396.3	12.29	377.5	11.56	360.2	10.79
		91.3	452.0	15.25	427.2	13.80	405.0	12.53	396.3	11.90	377.5	11.19	360.2	10.45
		114.1	452.0	14.91	427.2	13.80	405.0	12.29	396.3	11.90	377.5	11.19	360.2	10.45
		137.0	452.0	14.74	427.2	13.80	405.0	12.17	396.3	11.90	377.5	11.19	360.2	10.45
	113	36.5	452.0	15.10	427.2	13.59	405.0	11.21	396.3	10.87	377.5	10.16	360.2	9.77
		45.7	452.0	14.91	427.2	13.41	405.0	11.19	396.3	10.79	377.5	10.06	360.2	9.67
		91.3	452.0	14.15	427.2	12.68	405.0	11.02	396.3	10.45	377.5	9.67	360.2	9.33
		114.1	452.0	13.41	427.2	12.68	405.0	10.79	396.3	10.45	377.5	9.67	360.2	9.33
		137.0	452.0	13.05	427.2	12.68	405.0	10.67	396.3	10.45	377.5	9.67	360.2	9.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	36.5	153.7	22.01	149.0	20.05	144.5	17.60	143.5	16.77	142.3	16.18	140.0	14.52
		45.7	159.0	22.40	154.0	20.42	149.5	17.99	148.5	17.14	147.3	16.53	144.7	14.83
		91.3	180.0	23.89	174.5	21.93	169.2	19.54	168.0	18.61	167.0	17.97	163.5	16.11
		114.1	199.0	25.39	192.5	23.47	186.8	21.08	185.3	20.07	184.2	19.34	180.8	17.38
		137.0	208.5	26.15	201.7	24.24	195.8	21.86	194.0	20.81	193.0	20.05	189.5	18.02
	32	36.5	275.0	29.99	262.2	28.13	250.2	25.83	246.5	24.63	242.3	23.70	233.3	21.30
		45.7	276.5	30.06	263.7	28.20	251.7	25.90	248.0	24.70	243.8	23.77	234.7	21.35
		91.3	283.0	30.36	269.7	28.52	257.7	26.17	253.5	24.97	249.5	24.04	240.3	21.59
		114.1	287.0	30.36	274.0	28.52	261.8	26.17	257.3	24.97	253.5	24.04	244.2	21.59
		137.0	289.2	30.36	276.0	28.52	264.0	26.17	259.2	24.97	255.7	24.04	246.0	21.59
	41	36.5	388.5	32.19	376.0	30.38	364.0	28.10	356.5	26.80	340.5	25.80	324.5	23.16
		45.7	388.8	32.34	375.5	30.52	364.0	28.25	356.5	26.93	340.5	25.93	324.5	23.28
		91.3	390.3	32.90	374.5	31.09	364.0	28.79	356.5	27.47	340.5	26.46	324.5	23.74
		114.1	392.5	33.10	375.5	31.29	364.0	29.01	356.5	27.66	340.5	26.66	324.5	23.94
		137.0	393.7	33.20	376.2	31.38	364.0	29.13	356.5	27.76	340.5	26.76	324.5	24.04
	50	36.5	390.5	28.42	377.2	27.02	364.0	25.44	356.5	24.41	340.5	23.40	324.5	21.10
		45.7	390.3	28.44	376.7	27.05	364.0	25.48	356.5	24.43	340.5	23.40	324.5	21.12
		91.3	389.5	28.52	374.8	27.17	364.0	25.58	356.5	24.55	340.5	23.31	324.5	21.20
		114.1	392.2	28.44	376.0	27.10	364.0	25.51	356.5	24.48	340.5	23.40	324.5	21.27
		137.0	393.5	28.40	376.5	27.05	364.0	25.46	356.5	24.43	340.5	23.43	324.5	21.32
	59	36.5	392.5	24.60	378.5	23.72	364.0	22.84	356.5	22.06	340.5	21.03	324.5	19.09
		45.7	391.8	24.50	377.8	23.62	364.0	22.74	356.5	21.96	340.5	20.85	324.5	19.00
		91.3	389.2	24.11	375.2	23.23	364.0	22.35	356.5	21.62	340.5	20.12	324.5	18.61
		114.1	391.8	23.77	376.3	22.89	364.0	21.96	356.5	21.23	340.5	20.12	324.5	18.61
		137.0	393.2	23.60	377.0	22.72	364.0	21.76	356.5	21.03	340.5	20.12	324.5	18.61
	68	36.5	394.8	20.76	380.2	20.17	364.0	19.48	356.5	18.70	340.5	18.07	324.5	16.94
		45.7	394.5	20.76	379.5	20.12	364.0	19.39	356.5	18.61	340.5	17.87	324.5	16.77
		91.3	393.0	20.76	376.3	19.88	364.0	19.00	356.5	18.26	340.5	17.14	324.5	16.03
		114.1	394.0	20.42	377.5	19.73	364.0	19.00	356.5	18.26	340.5	17.14	324.5	16.03
		137.0	394.7	20.25	378.0	19.66	364.0	19.00	356.5	18.26	340.5	17.14	324.5	16.03
	77	36.5	401.5	18.14	385.0	17.19	364.0	16.47	356.5	15.64	340.5	15.01	324.5	13.90
		45.7	402.3	18.11	385.0	17.14	364.0	16.38	356.5	15.64	340.5	14.91	324.5	13.80
		91.3	406.2	17.97	385.0	16.99	364.0	16.03	356.5	15.64	340.5	14.52	324.5	13.41
		114.1	407.7	17.50	385.0	16.60	364.0	16.03	356.5	15.25	340.5	14.52	324.5	13.41
		137.0	408.5	17.26	385.0	16.42	364.0	16.03	356.5	15.06	340.5	14.52	324.5	13.41
	86	36.5	407.7	16.47	385.0	15.35	364.0	14.22	356.5	13.90	340.5	13.12	324.5	11.90
		45.7	407.7	16.38	385.0	15.25	364.0	14.15	356.5	13.80	340.5	13.02	324.5	11.90
		91.3	407.7	16.03	385.0	14.91	364.0	13.80	356.5	13.41	340.5	12.68	324.5	11.90
		114.1	407.7	15.64	385.0	14.52	364.0	13.80	356.5	13.41	340.5	12.68	324.5	11.56
		137.0	407.7	15.45	385.0	14.34	364.0	13.80	356.5	13.41	340.5	12.68	324.5	11.38
	95	36.5	407.7	15.01	385.0	13.90	364.0	12.78	356.5	12.39	340.5	11.65	324.5	10.87
		45.7	407.7	14.91	385.0	13.80	364.0	12.68	356.5	12.29	340.5	11.56	324.5	10.79
		91.3	407.7	14.52	385.0	13.41	364.0	12.29	356.5	11.90	340.5	11.19	324.5	10.45
		114.1	407.7	14.15	385.0	13.02	364.0	11.90	356.5	11.56	340.5	11.19	324.5	10.45
		137.0	407.7	13.95	385.0	12.83	364.0	11.70	356.5	11.38	340.5	11.19	324.5	10.45
	104	36.5	407.7	13.98	385.0	12.78	364.0	11.26	356.5	10.87	340.5	10.55	324.5	9.77
		45.7	407.7	13.80	385.0	12.68	364.0	11.19	356.5	10.79	340.5	10.45	324.5	9.67
		91.3	407.7	13.02	385.0	12.29	364.0	10.79	356.5	10.45	340.5	10.06	324.5	9.33
		114.1	407.7	13.02	385.0	12.29	364.0	10.79	356.5	10.45	340.5	10.06	324.5	9.33
		137.0	407.7	13.02	385.0	12.29	364.0	10.79	356.5	10.45	340.5	10.06	324.5	9.33
	113	36.5	407.7	12.95	385.0	11.65	364.0	9.77	356.5	9.42	340.5	9.42	324.5	8.64
		45.7	407.7	12.68	385.0	11.56	364.0	9.67	356.5	9.33	340.5	9.33	324.5	8.55
		91.3	407.7	11.56	385.0	11.19	364.0	9.33	356.5	8.94	340.5	8.94	324.5	8.20
		114.1	407.7	11.90	385.0	11.56	364.0	9.67	356.5	9.33	340.5	8.94	324.5	8.20
		137.0	407.7	12.09	385.0	11.75	364.0	9.84	356.5	9.52	340.5	8.94	324.5	8.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	36.5	145.3	15.69	136.2	15.08	129.0	14.44	127.5	13.95	126.7	13.32	124.2	12.26
		45.7	150.3	16.03	141.0	15.42	133.3	14.76	131.8	14.25	131.0	13.61	128.5	12.53
		91.3	170.0	17.43	159.3	16.72	150.7	15.99	149.2	15.45	148.5	14.76	145.5	13.56
		114.1	188.0	18.77	176.0	18.04	166.5	17.26	164.7	16.69	164.0	15.91	160.5	14.64
		137.0	197.0	19.44	184.3	18.70	174.5	17.90	172.5	17.31	171.7	16.50	168.0	15.18
	32	36.5	259.5	23.01	239.3	22.08	222.8	21.17	218.7	20.44	215.7	19.48	207.5	17.94
		45.7	261.0	23.08	240.7	22.15	224.2	21.23	220.0	20.49	217.0	19.54	208.7	17.99
		91.3	267.5	23.35	246.5	22.42	229.5	21.47	225.3	20.73	222.3	19.78	213.5	18.19
		114.1	271.3	23.35	250.2	22.42	233.2	21.47	228.7	20.73	225.7	19.78	217.0	18.19
		137.0	273.2	23.35	252.0	22.42	235.0	21.47	230.5	20.73	227.5	19.78	218.7	18.19
	41	36.5	359.0	25.02	338.8	24.09	324.0	22.99	316.8	22.23	303.3	21.20	288.2	19.51
		45.7	359.8	25.16	339.5	24.21	324.0	23.11	316.8	22.35	303.3	21.30	288.2	19.61
		91.3	362.8	25.70	342.0	24.65	324.5	23.62	316.8	22.81	303.3	21.74	288.2	20.05
		114.1	362.8	25.85	341.7	24.85	324.5	23.77	316.8	22.96	303.3	21.89	288.2	20.15
		137.0	362.8	25.93	341.5	24.95	324.5	23.85	316.8	23.04	303.3	21.96	288.2	20.22
	50	36.5	361.0	23.04	340.2	21.98	324.0	20.88	316.8	20.29	303.3	19.22	288.2	17.80
		45.7	361.3	23.01	340.5	21.96	324.0	20.88	316.8	20.32	303.3	19.22	288.2	17.80
		91.3	362.8	22.89	342.0	21.86	324.5	20.93	316.8	20.34	303.3	19.27	288.2	17.84
		114.1	362.8	22.81	341.7	21.93	324.5	21.00	316.8	20.22	303.3	19.14	288.2	17.72
		137.0	362.8	22.77	341.5	21.96	324.5	21.03	316.8	20.17	303.3	19.09	288.2	17.67
	59	36.5	362.8	21.03	341.7	19.92	324.5	18.70	316.8	18.36	303.3	17.24	288.2	16.13
		45.7	362.8	20.85	341.7	19.73	324.5	18.61	316.8	18.26	303.3	17.14	288.2	16.03
		91.3	362.8	20.12	341.7	19.00	324.5	18.26	316.8	17.87	303.3	16.77	288.2	15.64
		114.1	362.8	19.73	341.7	19.00	324.5	18.26	316.8	17.50	303.3	16.38	288.2	15.25
		137.0	362.8	19.53	341.7	19.00	324.5	18.26	316.8	17.31	303.3	16.18	288.2	15.06
	68	36.5	362.8	17.58	341.7	16.87	324.5	16.03	316.8	15.74	303.3	15.01	288.2	13.90
		45.7	362.8	17.50	341.7	16.77	324.5	16.03	316.8	15.64	303.3	14.91	288.2	13.80
		91.3	362.8	17.14	341.7	16.38	324.5	16.03	316.8	15.25	303.3	14.52	288.2	13.41
		114.1	362.8	16.77	341.7	16.03	324.5	15.64	316.8	15.25	303.3	14.15	288.2	13.41
		137.0	362.8	16.57	341.7	15.86	324.5	15.45	316.8	15.25	303.3	13.95	288.2	13.41
	77	36.5	362.8	15.74	341.7	14.62	324.5	13.80	316.8	13.51	303.3	12.78	288.2	12.00
		45.7	362.8	15.64	341.7	14.52	324.5	13.80	316.8	13.41	303.3	12.68	288.2	11.90
		91.3	362.8	15.25	341.7	14.15	324.5	13.80	316.8	13.02	303.3	12.29	288.2	11.56
		114.1	362.8	14.91	341.7	14.15	324.5	13.41	316.8	13.02	303.3	12.29	288.2	11.56
		137.0	362.8	14.74	341.7	14.15	324.5	13.22	316.8	13.02	303.3	12.29	288.2	11.56
	86	36.5	362.8	13.90	341.7	13.12	324.5	12.39	316.8	12.00	303.3	11.26	288.2	10.55
		45.7	362.8	13.80	341.7	13.02	324.5	12.29	316.8	11.90	303.3	11.19	288.2	10.45
		91.3	362.8	13.41	341.7	12.68	324.5	11.90	316.8	11.56	303.3	10.79	288.2	10.06
		114.1	362.8	13.41	341.7	12.68	324.5	11.90	316.8	11.56	303.3	10.79	288.2	10.06
		137.0	362.8	13.41	341.7	12.68	324.5	11.90	316.8	11.56	303.3	10.79	288.2	10.06
	95	36.5	362.8	12.78	341.7	12.00	324.5	10.87	316.8	10.45	303.3	10.16	288.2	9.33
		45.7	362.8	12.68	341.7	11.90	324.5	10.79	316.8	10.45	303.3	10.06	288.2	9.33
		91.3	362.8	12.29	341.7	11.56	324.5	10.45	316.8	10.45	303.3	9.67	288.2	9.33
		114.1	362.8	12.29	341.7	11.19	324.5	10.45	316.8	10.06	303.3	9.67	288.2	8.94
		137.0	362.8	12.29	341.7	10.99	324.5	10.45	316.8	9.86	303.3	9.67	288.2	8.74
	104	36.5	362.8	12.09	341.7	10.87	324.5	9.67	316.8	9.77	303.3	8.94	288.2	8.64
		45.7	362.8	11.90	341.7	10.79	324.5	9.67	316.8	9.67	303.3	8.94	288.2	8.55
		91.3	362.8	11.19	341.7	10.45	324.5	9.67	316.8	9.33	303.3	8.94	288.2	8.20
		114.1	362.8	11.19	341.7	10.45	324.5	9.33	316.8	9.33	303.3	8.94	288.2	8.20
		137.0	362.8	11.19	341.7	10.45	324.5	9.15	316.8	9.33	303.3	8.94	288.2	8.20
	113	36.5	362.8	11.46	341.7	9.77	324.5	8.45	316.8	9.13	303.3	7.73	288.2	8.01
		45.7	362.8	11.19	341.7	9.67	324.5	8.55	316.8	8.94	303.3	7.83	288.2	7.83
		91.3	362.8	10.06	341.7	9.33	324.5	8.94	316.8	8.20	303.3	8.20	288.2	7.10
		114.1	362.8	10.06	341.7	9.67	324.5	8.20	316.8	8.55	303.3	8.20	288.2	7.44
		137.0	362.8	10.06	341.7	9.84	324.5	7.83	316.8	8.74	303.3	8.20	288.2	7.61

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	36.5	126.7	13.46	119.0	12.83	112.5	12.41	111.5	11.70	110.7	11.28	109.0	10.26
		45.7	131.0	13.76	123.2	13.10	116.5	12.68	115.3	11.95	114.5	11.53	112.7	10.48
		91.3	148.5	14.91	139.5	14.22	131.5	13.76	130.3	12.95	129.5	12.48	127.3	11.36
		114.1	164.3	16.11	154.0	15.35	145.5	14.83	144.3	13.95	143.2	13.49	140.5	12.26
		137.0	172.2	16.72	161.5	15.91	152.5	15.37	151.3	14.45	150.0	14.00	147.2	12.70
	32	36.5	227.0	19.71	209.7	18.80	194.8	18.16	191.3	17.11	188.3	16.52	181.7	15.03
		45.7	228.3	19.78	211.0	18.85	196.0	18.24	192.5	17.14	189.5	16.57	182.7	15.06
		91.3	233.5	20.00	215.8	19.04	200.5	18.46	197.0	17.33	194.0	16.77	186.8	15.23
		114.1	237.0	20.00	219.3	19.04	203.5	18.46	200.0	17.33	197.0	16.77	190.0	15.23
		137.0	238.7	20.00	221.0	19.04	205.0	18.46	201.5	17.33	198.5	16.77	191.5	15.23
	41	36.5	313.5	21.47	297.0	20.44	282.8	19.78	277.0	18.63	264.5	17.97	252.0	16.33
		45.7	314.2	21.59	297.7	20.54	283.0	19.88	277.0	18.73	264.5	18.07	252.0	16.42
		91.3	316.8	22.01	300.0	20.96	283.3	20.32	277.0	19.07	264.5	18.46	252.0	16.77
		114.1	316.8	22.15	299.5	21.12	283.3	20.46	277.0	19.22	264.5	18.58	252.0	16.87
		137.0	316.8	22.23	299.3	21.20	283.3	20.54	277.0	19.31	264.5	18.63	252.0	16.94
	50	36.5	315.0	19.78	298.0	18.68	283.3	17.99	277.0	16.99	264.5	16.30	252.0	14.91
		45.7	315.3	19.73	298.5	18.65	283.3	17.97	277.0	16.99	264.5	16.30	252.0	14.91
		91.3	316.8	19.58	299.5	18.50	283.3	17.80	277.0	16.99	264.5	16.30	252.0	14.91
		114.1	316.8	19.66	299.5	18.58	283.3	17.87	277.0	17.06	264.5	16.18	252.0	14.96
		137.0	316.8	19.68	299.5	18.61	283.3	17.92	277.0	17.11	264.5	16.13	252.0	14.98
	59	36.5	316.8	18.07	299.5	16.94	283.3	16.23	277.0	15.35	264.5	14.62	252.0	13.51
		45.7	316.8	17.87	299.5	16.77	283.3	16.03	277.0	15.25	264.5	14.52	252.0	13.41
		91.3	316.8	17.14	299.5	16.03	283.3	15.25	277.0	14.91	264.5	14.15	252.0	13.02
		114.1	316.8	17.14	299.5	16.03	283.3	15.25	277.0	14.91	264.5	13.80	252.0	13.02
		137.0	316.8	17.14	299.5	16.03	283.3	15.25	277.0	14.91	264.5	13.61	252.0	13.02
	68	36.5	316.8	15.01	299.5	14.22	283.3	13.90	277.0	13.51	264.5	12.78	252.0	12.00
		45.7	316.8	14.91	299.5	14.15	283.3	13.80	277.0	13.41	264.5	12.68	252.0	11.90
		91.3	316.8	14.52	299.5	13.80	283.3	13.41	277.0	13.02	264.5	12.29	252.0	11.56
		114.1	316.8	14.52	299.5	13.80	283.3	13.41	277.0	12.68	264.5	12.29	252.0	11.19
		137.0	316.8	14.52	299.5	13.80	283.3	13.41	277.0	12.51	264.5	12.29	252.0	10.99
	77	36.5	316.8	13.51	299.5	12.78	283.3	12.00	277.0	11.65	264.5	10.79	252.0	10.06
		45.7	316.8	13.41	299.5	12.68	283.3	11.90	277.0	11.56	264.5	10.79	252.0	10.06
		91.3	316.8	13.02	299.5	12.29	283.3	11.56	277.0	11.19	264.5	10.79	252.0	10.06
		114.1	316.8	12.68	299.5	11.90	283.3	11.56	277.0	11.19	264.5	10.45	252.0	10.06
		137.0	316.8	12.51	299.5	11.70	283.3	11.56	277.0	11.19	264.5	10.26	252.0	10.06
	86	36.5	316.8	12.00	299.5	11.26	283.3	10.55	277.0	10.06	264.5	9.77	252.0	8.94
		45.7	316.8	11.90	299.5	11.19	283.3	10.45	277.0	10.06	264.5	9.67	252.0	8.94
		91.3	316.8	11.56	299.5	10.79	283.3	10.06	277.0	10.06	264.5	9.33	252.0	8.94
		114.1	316.8	11.56	299.5	10.79	283.3	10.06	277.0	9.67	264.5	9.33	252.0	8.94
		137.0	316.8	11.56	299.5	10.79	283.3	10.06	277.0	9.47	264.5	9.33	252.0	8.94
	95	36.5	316.8	10.87	299.5	10.16	283.3	9.33	277.0	9.42	264.5	8.55	252.0	8.30
		45.7	316.8	10.79	299.5	10.06	283.3	9.33	277.0	9.33	264.5	8.55	252.0	8.20
		91.3	316.8	10.45	299.5	9.67	283.3	9.33	277.0	8.94	264.5	8.55	252.0	7.83
		114.1	316.8	10.45	299.5	9.67	283.3	8.94	277.0	8.94	264.5	8.55	252.0	7.83
		137.0	316.8	10.45	299.5	9.67	283.3	8.74	277.0	8.94	264.5	8.55	252.0	7.83
	104	36.5	316.8	10.16	299.5	9.42	283.3	8.64	277.0	8.20	264.5	7.83	252.0	7.52
		45.7	316.8	10.06	299.5	9.33	283.3	8.55	277.0	8.20	264.5	7.83	252.0	7.44
		91.3	316.8	9.67	299.5	8.94	283.3	8.20	277.0	8.20	264.5	7.83	252.0	7.10
		114.1	316.8	9.67	299.5	8.94	283.3	8.20	277.0	7.83	264.5	7.44	252.0	7.10
		137.0	316.8	9.67	299.5	8.94	283.3	8.20	277.0	7.64	264.5	7.25	252.0	7.10
	113	36.5	316.8	9.42	299.5	8.64	283.3	8.01	277.0	7.00	264.5	7.10	252.0	6.80
		45.7	316.8	9.33	299.5	8.55	283.3	7.83	277.0	7.10	264.5	7.10	252.0	6.71
		91.3	316.8	8.94	299.5	8.20	283.3	7.10	277.0	7.44	264.5	7.10	252.0	6.32
		114.1	316.8	8.94	299.5	8.20	283.3	7.44	277.0	6.71	264.5	6.32	252.0	6.32
		137.0	316.8	8.94	299.5	8.20	283.3	7.61	277.0	6.34	264.5	5.93	252.0	6.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	36.5	108.8	10.94	102.0	10.52	96.5	10.11	95.5	9.40	95.0	9.23	93.2	8.25
		45.7	112.7	11.19	105.5	10.75	99.8	10.33	98.7	9.60	98.3	9.45	96.5	8.44
		91.3	127.7	12.14	119.5	11.68	113.0	11.21	112.0	10.40	111.5	10.26	109.3	9.18
		114.1	141.0	13.07	131.8	12.61	125.0	12.09	123.5	11.26	123.2	11.06	120.5	9.87
		137.0	147.5	13.54	138.2	13.07	131.2	12.56	129.5	11.68	129.0	11.46	126.3	10.21
	32	36.5	194.8	16.01	179.5	15.45	167.3	14.79	164.0	13.76	161.8	13.56	155.8	12.12
		45.7	196.0	16.06	180.5	15.49	168.5	14.83	165.0	13.80	162.8	13.61	156.7	12.14
		91.3	200.5	16.26	184.5	15.64	172.5	15.03	168.8	13.95	166.5	13.76	160.0	12.26
		114.1	203.5	16.26	187.5	15.64	175.2	15.03	171.5	13.95	169.2	13.76	162.8	12.26
		137.0	205.0	16.26	189.2	15.64	176.5	15.03	172.7	13.95	170.5	13.76	164.0	12.26
	41	36.5	269.2	17.45	253.8	16.79	243.5	16.11	237.3	14.98	227.2	14.76	216.3	13.15
		45.7	269.7	17.53	254.3	16.87	243.5	16.18	237.3	15.06	227.2	14.83	216.3	13.22
		91.3	272.0	17.87	256.2	17.23	243.5	16.53	237.3	15.37	227.2	15.15	216.3	13.49
		114.1	272.0	18.04	255.8	17.33	243.5	16.65	237.3	15.49	227.2	15.23	216.3	13.61
		137.0	272.0	18.11	255.5	17.40	243.5	16.70	237.3	15.55	227.2	15.25	216.3	13.66
	50	36.5	270.5	16.03	254.8	15.35	243.5	14.61	237.3	13.64	227.2	13.39	216.3	11.99
		45.7	271.0	16.03	255.0	15.35	243.5	14.61	237.3	13.68	227.2	13.37	216.3	12.02
		91.3	272.0	16.03	256.2	15.35	243.5	14.61	237.3	13.83	227.2	13.34	216.3	12.14
		114.1	272.0	16.06	255.8	15.18	243.5	14.44	237.3	13.68	227.2	13.22	216.3	12.02
		137.0	272.0	16.08	255.5	15.10	243.5	14.37	237.3	13.61	227.2	13.17	216.3	11.97
	59	36.5	272.0	14.62	255.8	13.90	243.5	13.12	237.3	12.29	227.2	12.00	216.3	10.79
		45.7	272.0	14.52	255.8	13.80	243.5	13.02	237.3	12.29	227.2	11.90	216.3	10.79
		91.3	272.0	14.15	255.8	13.41	243.5	12.68	237.3	12.29	227.2	11.56	216.3	10.79
		114.1	272.0	14.15	255.8	13.02	243.5	12.29	237.3	11.90	227.2	11.19	216.3	10.45
		137.0	272.0	14.15	255.8	12.83	243.5	12.09	237.3	11.70	227.2	10.99	216.3	10.26
	68	36.5	272.0	12.78	255.8	12.00	243.5	11.26	237.3	10.87	227.2	10.55	216.3	9.77
		45.7	272.0	12.68	255.8	11.90	243.5	11.19	237.3	10.79	227.2	10.45	216.3	9.67
		91.3	272.0	12.29	255.8	11.56	243.5	10.79	237.3	10.45	227.2	10.06	216.3	9.33
		114.1	272.0	12.29	255.8	11.56	243.5	10.79	237.3	10.45	227.2	10.06	216.3	9.33
		137.0	272.0	12.29	255.8	11.56	243.5	10.79	237.3	10.45	227.2	10.06	216.3	9.33
	77	36.5	272.0	11.26	255.8	10.55	243.5	9.67	237.3	9.77	227.2	8.94	216.3	8.64
		45.7	272.0	11.19	255.8	10.45	243.5	9.67	237.3	9.67	227.2	8.94	216.3	8.55
		91.3	272.0	10.79	255.8	10.06	243.5	9.67	237.3	9.33	227.2	8.94	216.3	8.20
		114.1	272.0	10.79	255.8	10.06	243.5	9.33	237.3	9.33	227.2	8.94	216.3	8.20
		137.0	272.0	10.79	255.8	10.06	243.5	9.15	237.3	9.33	227.2	8.94	216.3	8.20
	86	36.5	272.0	10.16	255.8	9.42	243.5	9.03	237.3	8.64	227.2	8.30	216.3	7.93
		45.7	272.0	10.06	255.8	9.33	243.5	8.94	237.3	8.55	227.2	8.20	216.3	7.83
		91.3	272.0	9.67	255.8	8.94	243.5	8.55	237.3	8.20	227.2	7.83	216.3	7.44
		114.1	272.0	9.67	255.8	8.94	243.5	8.55	237.3	8.20	227.2	7.83	216.3	7.44
		137.0	272.0	9.67	255.8	8.94	243.5	8.55	237.3	8.20	227.2	7.83	216.3	7.44
	95	36.5	272.0	8.94	255.8	8.64	243.5	7.83	237.3	7.93	227.2	7.52	216.3	7.20
		45.7	272.0	8.94	255.8	8.55	243.5	7.83	237.3	7.83	227.2	7.44	216.3	7.10
		91.3	272.0	8.94	255.8	8.20	243.5	7.83	237.3	7.44	227.2	7.10	216.3	6.71
		114.1	272.0	8.94	255.8	8.20	243.5	7.44	237.3	7.44	227.2	7.10	216.3	6.71
		137.0	272.0	8.94	255.8	8.20	243.5	7.25	237.3	7.44	227.2	7.10	216.3	6.71
	104	36.5	272.0	8.20	255.8	7.93	243.5	7.10	237.3	7.20	227.2	6.80	216.3	6.32
		45.7	272.0	8.20	255.8	7.83	243.5	7.10	237.3	7.10	227.2	6.71	216.3	6.32
		91.3	272.0	8.20	255.8	7.44	243.5	7.10	237.3	6.71	227.2	6.32	216.3	6.32
		114.1	272.0	8.20	255.8	7.44	243.5	7.10	237.3	6.71	227.2	6.32	216.3	6.32
		137.0	272.0	8.20	255.8	7.44	243.5	7.10	237.3	6.71	227.2	6.32	216.3	6.32
	113	36.5	272.0	7.44	255.8	7.20	243.5	6.32	237.3	6.41	227.2	6.07	216.3	5.48
		45.7	272.0	7.44	255.8	7.10	243.5	6.32	237.3	6.32	227.2	5.97	216.3	5.58
		91.3	272.0	7.44	255.8	6.71	243.5	6.32	237.3	5.97	227.2	5.58	216.3	5.97
		114.1	272.0	7.44	255.8	6.71	243.5	6.71	237.3	5.97	227.2	5.58	216.3	5.97
		137.0	272.0	7.44	255.8	6.71	243.5	6.90	237.3	5.97	227.2	5.58	216.3	5.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN360BAS4, ARWB360BAS4

360,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	36.5	90.8	8.72	85.3	8.25	80.5	7.81	79.3	7.39	79.0	6.93	77.5	6.56
		45.7	93.8	8.91	88.2	8.44	83.3	7.98	82.2	7.56	81.8	7.10	80.2	6.71
		91.3	105.8	9.64	99.5	9.18	94.2	8.64	93.0	8.20	92.7	7.71	90.8	7.25
		114.1	117.2	10.40	110.0	9.87	104.0	9.33	102.8	8.86	102.0	8.28	100.5	7.83
		137.0	122.8	10.80	115.3	10.21	109.0	9.67	107.8	9.20	106.8	8.57	105.5	8.10
	32	36.5	161.8	12.76	149.8	12.12	139.3	11.41	136.3	10.82	134.5	10.18	129.5	9.60
		45.7	162.8	12.80	150.7	12.14	140.2	11.45	137.2	10.87	135.3	10.21	130.3	9.64
		91.3	166.5	12.90	154.0	12.26	143.5	11.60	140.5	11.02	138.7	10.33	133.3	9.74
		114.1	169.2	12.90	156.3	12.26	145.5	11.60	142.8	11.02	140.5	10.33	135.7	9.74
		137.0	170.5	12.90	157.5	12.26	146.3	11.60	144.0	11.02	141.5	10.33	136.8	9.74
	41	36.5	223.7	13.88	212.0	13.15	202.2	12.41	197.5	11.80	188.7	11.09	180.0	10.43
		45.7	224.2	13.95	212.5	13.22	202.3	12.48	197.5	11.87	188.7	11.14	180.0	10.48
		91.3	226.0	14.22	214.0	13.49	202.7	12.75	197.5	12.09	188.7	11.33	180.0	10.72
		114.1	226.0	14.34	213.5	13.61	202.7	12.83	197.5	12.17	188.7	11.45	180.0	10.79
		137.0	226.0	14.39	213.5	13.66	202.7	12.88	197.5	12.22	188.7	11.51	180.0	10.82
	50	36.5	225.0	12.78	212.5	12.04	202.2	11.31	197.5	10.82	188.7	9.99	180.0	9.55
		45.7	225.3	12.75	212.8	12.02	202.3	11.29	197.5	10.79	188.7	10.01	180.0	9.52
		91.3	226.0	12.68	214.0	11.99	202.7	11.21	197.5	10.72	188.7	10.13	180.0	9.45
		114.1	226.0	12.75	213.5	12.02	202.7	11.26	197.5	10.75	188.7	9.99	180.0	9.47
		137.0	226.0	12.80	213.5	12.04	202.7	11.26	197.5	10.77	188.7	9.91	180.0	9.50
	59	36.5	226.0	11.65	213.5	10.87	202.7	10.16	197.5	9.77	188.7	8.94	180.0	8.64
		45.7	226.0	11.56	213.5	10.79	202.7	10.06	197.5	9.67	188.7	8.94	180.0	8.55
		91.3	226.0	11.19	213.5	10.45	202.7	9.67	197.5	9.33	188.7	8.94	180.0	8.20
		114.1	226.0	11.19	213.5	10.45	202.7	9.67	197.5	9.33	188.7	8.55	180.0	8.20
		137.0	226.0	11.19	213.5	10.45	202.7	9.67	197.5	9.33	188.7	8.37	180.0	8.20
	68	36.5	226.0	10.16	213.5	9.42	202.7	9.03	197.5	8.64	188.7	8.30	180.0	7.44
		45.7	226.0	10.06	213.5	9.33	202.7	8.94	197.5	8.55	188.7	8.20	180.0	7.44
		91.3	226.0	9.67	213.5	8.94	202.7	8.55	197.5	8.20	188.7	7.83	180.0	7.44
		114.1	226.0	9.67	213.5	8.94	202.7	8.55	197.5	8.20	188.7	7.83	180.0	7.44
		137.0	226.0	9.67	213.5	8.94	202.7	8.55	197.5	8.20	188.7	7.83	180.0	7.44
	77	36.5	226.0	9.03	213.5	8.20	202.7	7.93	197.5	7.44	188.7	7.10	180.0	6.71
		45.7	226.0	8.94	213.5	8.20	202.7	7.83	197.5	7.44	188.7	7.10	180.0	6.71
		91.3	226.0	8.55	213.5	8.20	202.7	7.44	197.5	7.44	188.7	7.10	180.0	6.71
		114.1	226.0	8.55	213.5	8.20	202.7	7.44	197.5	7.44	188.7	7.10	180.0	6.71
		137.0	226.0	8.55	213.5	8.20	202.7	7.44	197.5	7.44	188.7	7.10	180.0	6.71
	86	36.5	226.0	8.30	213.5	7.52	202.7	7.20	197.5	6.71	188.7	6.80	180.0	6.41
		45.7	226.0	8.20	213.5	7.44	202.7	7.10	197.5	6.71	188.7	6.71	180.0	6.32
		91.3	226.0	7.83	213.5	7.10	202.7	6.71	197.5	6.71	188.7	6.32	180.0	5.97
		114.1	226.0	7.83	213.5	7.10	202.7	6.71	197.5	6.71	188.7	6.32	180.0	5.97
		137.0	226.0	7.83	213.5	7.10	202.7	6.71	197.5	6.71	188.7	6.32	180.0	5.97
	95	36.5	226.0	7.52	213.5	6.71	202.7	6.32	197.5	6.41	188.7	5.97	180.0	5.58
		45.7	226.0	7.44	213.5	6.71	202.7	6.32	197.5	6.32	188.7	5.97	180.0	5.58
		91.3	226.0	7.10	213.5	6.71	202.7	6.32	197.5	5.97	188.7	5.97	180.0	5.58
		114.1	226.0	7.10	213.5	6.71	202.7	6.32	197.5	5.97	188.7	5.97	180.0	5.58
		137.0	226.0	7.10	213.5	6.71	202.7	6.32	197.5	5.97	188.7	5.97	180.0	5.58
	104	36.5	226.0	6.80	213.5	6.41	202.7	6.07	197.5	5.58	188.7	5.68	180.0	5.21
		45.7	226.0	6.71	213.5	6.32	202.7	5.97	197.5	5.58	188.7	5.58	180.0	5.21
		91.3	226.0	6.32	213.5	5.97	202.7	5.58	197.5	5.58	188.7	5.21	180.0	5.21
		114.1	226.0	6.32	213.5	5.97	202.7	5.58	197.5	5.58	188.7	5.21	180.0	5.21
		137.0	226.0	6.32	213.5	5.97	202.7	5.58	197.5	5.58	188.7	5.21	180.0	5.21
	113	36.5	226.0	6.07	213.5	6.17	202.7	5.78	197.5	4.77	188.7	5.39	180.0	4.85
		45.7	226.0	5.97	213.5	5.97	202.7	5.58	197.5	4.85	188.7	5.21	180.0	4.85
		91.3	226.0	5.58	213.5	5.21	202.7	4.85	197.5	5.21	188.7	4.48	180.0	4.85
		114.1	226.0	5.58	213.5	5.21	202.7	4.85	197.5	5.21	188.7	4.48	180.0	4.85
		137.0	226.0	5.58	213.5	5.21	202.7	4.85	197.5	5.21	188.7	4.48	180.0	4.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	42.6	229.8	28.68	228.3	27.00	226.8	25.14	223.8	24.39	226.5	23.76	220.2	21.30
		53.3	237.9	29.19	236.1	27.54	234.6	25.68	231.6	24.93	234.3	24.27	228.0	21.78
		106.5	269.1	31.17	266.7	29.61	265.5	27.87	261.9	27.06	264.9	26.31	258.0	23.61
		133.1	297.6	33.15	294.9	31.65	293.1	30.03	289.2	29.22	293.1	28.38	285.3	25.44
		159.8	311.7	34.14	309.0	32.67	306.9	31.14	303.3	30.33	307.2	29.43	298.8	26.37
	32	42.6	410.7	39.24	401.4	38.07	392.7	36.81	384.3	35.79	385.5	34.80	368.1	31.17
		53.3	413.1	39.33	403.8	38.16	395.1	36.93	386.4	35.88	387.9	34.89	370.2	31.26
		106.5	423.3	39.75	412.8	38.52	404.1	37.35	395.7	36.33	396.9	35.28	379.2	31.65
		133.1	429.6	39.75	419.1	38.52	410.4	37.35	401.4	36.33	402.9	35.28	384.6	31.65
		159.8	432.6	39.75	422.4	38.52	413.7	37.35	404.4	36.33	405.9	35.28	387.6	31.65
	41	42.6	591.6	42.18	582.6	41.13	570.3	40.08	556.2	38.94	541.2	37.86	511.2	33.93
		53.3	593.7	42.36	583.8	41.31	570.6	40.29	556.2	39.15	541.2	38.07	511.2	34.11
		106.5	601.8	43.11	587.7	42.09	570.9	41.10	556.2	39.96	541.2	38.82	511.2	34.80
		133.1	605.4	43.41	589.5	42.36	570.9	41.37	556.2	40.23	541.2	39.09	511.2	35.04
		159.8	607.2	43.53	590.4	42.51	570.9	41.52	556.2	40.38	541.2	39.24	511.2	35.16
	50	42.6	592.2	38.37	582.6	37.08	568.8	36.39	553.8	35.58	539.1	34.35	509.4	30.99
		53.3	595.8	38.31	585.6	37.11	570.9	36.45	556.2	35.55	541.2	34.32	511.2	30.99
		106.5	609.9	38.01	596.4	37.26	579.9	36.75	565.2	35.52	549.3	34.23	519.6	30.87
		133.1	612.9	38.52	600.3	37.77	583.8	36.87	567.9	35.64	552.9	34.80	522.6	32.34
		159.8	614.7	38.79	602.4	38.04	585.6	36.96	569.1	35.73	554.7	35.10	524.1	33.09
	59	42.6	593.1	34.59	582.9	33.12	566.4	32.76	551.4	32.22	537.0	30.84	507.3	28.11
		53.3	598.2	34.23	587.4	32.97	570.9	32.67	556.2	31.98	541.2	30.60	511.2	27.87
		106.5	617.7	32.88	604.8	32.40	589.2	32.40	574.2	31.02	557.4	29.67	527.7	26.91
		133.1	620.7	33.66	610.8	33.15	596.4	32.40	579.9	31.02	565.2	30.51	534.0	29.67
		159.8	622.2	34.08	613.8	33.54	600.0	32.40	582.9	31.02	569.1	30.93	537.0	31.05
	68	42.6	615.9	31.74	604.5	30.24	588.6	29.58	572.4	28.65	555.6	27.99	522.6	27.15
		53.3	620.7	31.50	609.3	30.21	593.1	29.55	576.9	28.77	560.7	28.20	527.7	26.91
		106.5	640.2	30.60	628.8	30.12	611.1	29.46	594.9	29.22	579.9	28.95	546.9	26.01
		133.1	642.9	30.60	633.3	30.12	618.6	29.67	600.9	29.22	584.7	28.95	551.7	27.66
		159.8	644.1	30.60	635.7	30.12	622.2	29.76	603.9	29.22	586.8	28.95	553.8	28.50
	77	42.6	650.1	30.24	633.3	29.37	618.6	28.89	606.6	28.38	593.1	27.99	559.2	26.13
		53.3	650.1	30.12	633.3	29.34	618.6	28.77	606.6	28.29	593.1	27.87	559.2	26.01
		106.5	650.1	29.67	633.3	29.13	618.6	28.29	606.6	27.87	593.1	27.39	559.2	25.56
		133.1	650.1	29.22	633.3	28.38	618.6	27.87	606.6	27.39	593.1	26.91	559.2	25.11
		159.8	650.1	29.01	633.3	27.99	618.6	27.66	606.6	27.15	593.1	26.67	559.2	24.90
	86	42.6	650.1	29.46	633.3	27.99	618.6	27.75	606.6	27.03	593.1	26.73	559.2	24.87
		53.3	650.1	29.22	633.3	27.96	618.6	27.57	606.6	26.91	593.1	26.49	559.2	24.66
		106.5	650.1	28.29	633.3	27.78	618.6	26.91	606.6	26.49	593.1	25.56	559.2	23.76
		133.1	650.1	27.87	633.3	27.00	618.6	26.49	606.6	26.01	593.1	25.56	559.2	23.76
		159.8	650.1	27.66	633.3	26.64	618.6	26.28	606.6	25.77	593.1	25.56	559.2	23.76
	95	42.6	650.1	28.11	633.3	27.18	618.6	26.61	606.6	25.65	593.1	24.78	559.2	23.04
		53.3	650.1	27.87	633.3	27.00	618.6	26.49	606.6	25.56	593.1	24.66	559.2	22.80
		106.5	650.1	26.91	633.3	26.40	618.6	26.01	606.6	25.11	593.1	24.18	559.2	21.90
		133.1	650.1	26.91	633.3	26.10	618.6	25.56	606.6	24.66	593.1	23.76	559.2	21.90
		159.8	650.1	26.91	633.3	25.98	618.6	25.32	606.6	24.42	593.1	23.55	559.2	21.90
	104	42.6	650.1	27.15	633.3	26.28	618.6	25.77	606.6	24.87	593.1	24.00	559.2	21.66
		53.3	650.1	26.91	633.3	26.10	618.6	25.56	606.6	24.66	593.1	23.76	559.2	21.45
		106.5	650.1	26.01	633.3	25.44	618.6	24.66	606.6	23.76	593.1	22.80	559.2	20.55
		133.1	650.1	25.56	633.3	25.02	618.6	24.66	606.6	23.76	593.1	22.80	559.2	20.55
		159.8	650.1	25.32	633.3	24.81	618.6	24.66	606.6	23.76	593.1	22.80	559.2	20.55
	113	42.6	650.1	26.25	633.3	25.38	618.6	24.99	606.6	24.09	593.1	23.16	559.2	20.31
		53.3	650.1	26.01	633.3	25.23	618.6	24.66	606.6	23.76	593.1	22.80	559.2	20.07
		106.5	650.1	25.11	633.3	24.57	618.6	23.28	606.6	22.38	593.1	21.45	559.2	19.17
		133.1	650.1	24.18	633.3	23.94	618.6	23.76	606.6	22.80	593.1	21.90	559.2	19.17
		159.8	650.1	23.70	633.3	23.64	618.6	24.00	606.6	23.01	593.1	22.14	559.2	19.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Cooling Capacity

ARWN432BAS4, ARWB432BAS4
432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	42.6	218.4	28.68	216.9	27.00	215.4	25.14	213.0	24.09	214.5	23.37	208.8	20.94
		53.3	225.9	29.19	224.1	27.54	222.9	25.68	220.2	24.60	222.0	23.91	216.0	21.39
		106.5	255.9	31.17	253.5	29.61	252.3	27.87	249.0	26.67	251.4	25.92	244.5	23.22
		133.1	282.6	33.15	280.2	31.65	278.4	30.03	275.4	28.80	277.5	27.96	270.0	25.02
		159.8	296.1	34.14	293.7	32.67	291.6	31.14	288.6	29.88	290.7	28.98	282.6	25.92
	32	42.6	390.6	39.24	381.0	38.07	372.9	36.81	365.4	35.25	365.4	34.29	348.6	30.66
		53.3	393.0	39.33	383.4	38.16	375.3	36.93	367.5	35.37	367.5	34.38	350.7	30.75
		106.5	402.0	39.75	392.4	38.52	384.3	37.35	376.2	35.79	376.2	34.77	359.4	31.11
		133.1	408.3	39.75	398.7	38.52	390.3	37.35	381.9	35.79	381.6	34.77	364.8	31.11
		159.8	411.3	39.75	402.0	38.52	393.0	37.35	384.9	35.79	384.3	34.77	367.5	31.11
	41	42.6	563.1	42.18	554.7	41.13	542.4	40.08	529.5	38.37	512.7	37.32	484.5	33.42
		53.3	565.2	42.36	555.6	41.31	542.4	40.29	529.5	38.58	512.7	37.50	484.5	33.57
		106.5	573.3	43.11	559.8	42.09	542.4	41.10	529.5	39.39	512.7	38.25	484.5	34.23
		133.1	576.3	43.41	556.5	42.36	542.4	41.37	529.5	39.66	512.7	38.52	484.5	34.47
		159.8	578.1	43.53	555.0	42.51	542.4	41.52	529.5	39.81	512.7	38.67	484.5	34.59
	50	42.6	565.2	37.89	554.7	36.84	540.9	36.09	528.0	34.98	511.2	33.84	483.3	30.42
		53.3	567.9	38.01	557.1	36.99	542.4	36.21	529.5	35.04	512.7	33.81	484.5	30.45
		106.5	578.1	38.52	566.1	37.53	548.4	36.75	535.2	35.22	518.1	33.72	489.6	30.60
		133.1	581.4	38.40	564.3	37.53	550.5	36.87	537.6	35.37	520.5	33.87	492.0	31.65
		159.8	582.9	38.31	563.4	37.53	551.7	36.96	538.8	35.43	521.4	33.93	492.9	32.16
	59	42.6	566.7	33.60	555.3	32.61	539.4	32.10	526.5	31.62	510.0	30.36	482.1	27.51
		53.3	570.0	33.66	558.9	32.67	542.4	32.16	529.5	31.50	512.7	30.12	484.5	27.39
		106.5	583.2	33.96	572.4	32.97	554.7	32.40	541.2	31.02	523.2	29.22	495.0	26.91
		133.1	586.5	33.42	571.8	32.67	559.2	32.40	545.7	31.02	527.7	29.22	499.5	28.77
		159.8	588.0	33.18	571.8	32.55	561.6	32.40	548.1	31.02	529.8	29.22	501.9	29.70
	68	42.6	582.6	30.21	571.5	28.95	554.4	28.17	539.1	27.75	521.7	27.42	493.5	26.01
		53.3	586.5	30.21	575.1	29.04	557.4	28.29	542.4	27.87	525.0	27.39	496.5	25.92
		106.5	601.2	30.21	588.6	29.46	569.7	28.77	556.2	28.29	537.9	27.30	508.2	25.56
		133.1	603.9	29.94	588.3	29.22	574.2	28.77	559.2	28.29	541.2	27.39	511.2	26.49
		159.8	605.4	29.79	588.0	29.10	576.3	28.77	560.7	28.29	542.7	27.45	513.0	26.97
	77	42.6	610.8	28.59	593.1	27.24	574.2	26.73	561.9	26.13	546.9	25.65	517.2	23.88
		53.3	611.1	28.47	593.1	27.21	574.2	26.67	561.9	26.01	546.9	25.56	517.2	23.76
		106.5	612.6	28.05	593.1	27.00	574.2	26.49	561.9	25.56	546.9	25.11	517.2	23.28
		133.1	614.4	27.00	593.1	26.31	574.2	26.01	561.9	25.56	546.9	24.66	517.2	23.28
		159.8	615.3	26.49	593.1	25.95	574.2	25.77	561.9	25.56	546.9	24.42	517.2	23.28
	86	42.6	614.4	27.33	593.1	25.98	574.2	25.23	561.9	24.30	546.9	24.00	517.2	22.02
		53.3	614.4	27.12	593.1	25.83	574.2	25.11	561.9	24.18	546.9	23.76	517.2	21.90
		106.5	614.4	26.22	593.1	25.23	574.2	24.66	561.9	23.76	546.9	22.80	517.2	21.45
		133.1	614.4	25.35	593.1	24.66	574.2	24.18	561.9	23.76	546.9	22.80	517.2	21.00
		159.8	614.4	24.93	593.1	24.36	574.2	23.94	561.9	23.76	546.9	22.80	517.2	20.79
	95	42.6	614.4	26.10	593.1	24.69	574.2	24.00	561.9	23.04	546.9	22.14	517.2	20.19
		53.3	614.4	25.74	593.1	24.45	574.2	23.76	561.9	22.80	546.9	21.90	517.2	20.07
		106.5	614.4	24.27	593.1	23.55	574.2	22.80	561.9	21.90	546.9	21.00	517.2	19.65
		133.1	614.4	24.00	593.1	23.37	574.2	22.80	561.9	21.90	546.9	21.00	517.2	19.17
		159.8	614.4	23.85	593.1	23.28	574.2	22.80	561.9	21.90	546.9	21.00	517.2	18.93
	104	42.6	614.4	25.32	593.1	23.55	574.2	22.62	561.9	21.66	546.9	20.76	517.2	18.81
		53.3	614.4	24.84	593.1	23.28	574.2	22.38	561.9	21.45	546.9	20.55	517.2	18.69
		106.5	614.4	22.89	593.1	22.20	574.2	21.45	561.9	20.55	546.9	19.65	517.2	18.27
		133.1	614.4	22.62	593.1	21.90	574.2	21.45	561.9	20.55	546.9	19.65	517.2	17.79
		159.8	614.4	22.47	593.1	21.78	574.2	21.45	561.9	20.55	546.9	19.65	517.2	17.58
	113	42.6	614.4	24.54	593.1	22.41	574.2	21.24	561.9	20.31	546.9	19.41	517.2	17.43
		53.3	614.4	23.94	593.1	22.11	574.2	21.00	561.9	20.07	546.9	19.17	517.2	17.34
		106.5	614.4	21.54	593.1	20.82	574.2	20.07	561.9	19.17	546.9	18.27	517.2	16.92
		133.1	614.4	21.24	593.1	20.46	574.2	20.07	561.9	19.17	546.9	18.27	517.2	16.44
		159.8	614.4	21.12	593.1	20.25	574.2	20.07	561.9	19.17	546.9	18.27	517.2	16.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	42.6	206.7	29.07	205.5	27.00	204.0	25.14	201.9	24.09	202.5	23.37	198.0	20.94
		53.3	213.9	29.55	212.4	27.54	211.2	25.68	208.8	24.60	209.4	23.91	204.9	21.39
		106.5	241.8	31.56	240.6	29.61	239.1	27.87	236.4	26.67	236.4	25.92	231.9	23.22
		133.1	267.3	33.57	265.5	31.65	264.0	30.03	261.3	28.80	261.3	27.96	255.9	25.02
		159.8	279.9	34.59	277.8	32.67	276.6	31.14	273.9	29.88	273.9	28.98	267.9	25.92
	32	42.6	369.6	39.75	361.2	38.07	353.7	36.81	347.1	35.25	343.8	34.29	330.9	30.66
		53.3	371.7	39.87	363.6	38.16	355.8	36.93	348.9	35.37	345.9	34.38	332.7	30.75
		106.5	380.1	40.23	372.0	38.52	363.9	37.35	357.3	35.79	354.0	34.77	340.5	31.11
		133.1	386.1	40.23	378.0	38.52	369.9	37.35	362.7	35.79	359.4	34.77	345.3	31.11
		159.8	389.1	40.23	381.0	38.52	372.9	37.35	365.4	35.79	362.1	34.77	348.0	31.11
	41	42.6	538.8	42.75	526.2	41.13	513.9	40.08	502.2	38.37	482.7	37.32	459.3	33.42
		53.3	540.6	42.93	527.1	41.31	513.9	40.29	502.2	38.58	482.7	37.50	459.3	33.57
		106.5	547.8	43.68	531.3	42.09	514.5	41.10	502.2	39.39	482.7	38.25	459.3	34.23
		133.1	551.1	43.98	532.5	42.36	514.5	41.37	502.2	39.66	482.7	38.52	459.3	34.47
		159.8	552.6	44.10	533.1	42.51	514.5	41.52	502.2	39.81	482.7	38.67	459.3	34.59
	50	42.6	540.9	38.31	527.7	37.02	513.3	36.21	501.6	34.98	482.1	33.84	458.7	30.42
		53.3	543.0	38.40	528.9	37.11	513.9	36.33	502.2	35.04	482.7	33.81	459.3	30.45
		106.5	551.1	38.67	534.3	37.53	517.2	36.75	505.5	35.22	486.0	33.72	461.7	30.60
		133.1	554.4	38.67	536.7	37.53	519.0	36.66	506.4	35.13	486.9	33.87	462.9	30.93
		159.8	555.9	38.67	537.9	37.53	519.9	36.60	506.7	35.10	487.5	33.93	463.5	31.11
	59	42.6	542.4	33.90	528.3	32.97	513.0	32.40	500.7	31.62	481.2	30.36	458.1	27.51
		53.3	544.8	33.87	530.4	32.97	514.5	32.40	502.2	31.50	482.7	30.12	459.3	27.39
		106.5	553.8	33.66	537.9	32.97	520.5	32.40	508.2	31.02	489.3	29.22	463.8	26.91
		133.1	557.1	33.42	540.6	32.67	523.2	31.98	510.0	30.60	490.5	29.22	466.5	27.39
		159.8	558.6	33.33	542.1	32.55	524.4	31.77	510.9	30.39	491.1	29.22	468.0	27.63
	68	42.6	552.6	29.28	537.6	28.56	520.2	27.87	506.1	27.39	487.8	26.61	462.0	24.90
		53.3	555.6	29.34	539.4	28.56	521.7	27.87	508.2	27.39	489.3	26.49	463.8	24.84
		106.5	567.3	29.55	546.6	28.56	527.7	27.87	515.7	27.39	495.0	26.01	471.0	24.66
		133.1	570.6	29.55	551.1	28.56	530.7	27.87	517.2	26.91	497.7	26.01	472.5	24.66
		159.8	572.1	29.55	553.5	28.56	532.5	27.87	517.8	26.67	499.2	26.01	473.1	24.66
	77	42.6	570.0	26.64	552.9	25.65	530.7	25.23	519.0	24.30	501.0	23.40	474.3	21.45
		53.3	570.9	26.58	552.9	25.56	530.7	25.11	519.0	24.18	501.0	23.28	474.3	21.45
		106.5	575.4	26.40	552.9	25.11	530.7	24.66	519.0	23.76	501.0	22.80	474.3	21.45
		133.1	578.1	26.40	552.9	25.23	530.7	24.18	519.0	23.76	501.0	22.38	474.3	21.00
		159.8	579.6	26.40	552.9	25.26	530.7	23.94	519.0	23.76	501.0	22.17	474.3	20.79
	86	42.6	578.1	24.30	552.9	23.40	530.7	22.50	519.0	22.02	501.0	20.67	474.3	19.29
		53.3	578.1	24.18	552.9	23.28	530.7	22.38	519.0	21.90	501.0	20.55	474.3	19.17
		106.5	578.1	23.76	552.9	22.80	530.7	21.90	519.0	21.45	501.0	20.07	474.3	18.69
		133.1	578.1	23.55	552.9	22.38	530.7	21.45	519.0	21.00	501.0	20.07	474.3	18.69
		159.8	578.1	23.46	552.9	22.17	530.7	21.21	519.0	20.79	501.0	20.07	474.3	18.69
	95	42.6	578.1	23.04	552.9	21.54	530.7	20.67	519.0	19.77	501.0	18.81	474.3	17.43
		53.3	578.1	22.80	552.9	21.45	530.7	20.55	519.0	19.65	501.0	18.69	474.3	17.34
		106.5	578.1	21.90	552.9	21.00	530.7	20.07	519.0	19.17	501.0	18.27	474.3	16.92
		133.1	578.1	21.36	552.9	20.55	530.7	19.65	519.0	19.17	501.0	18.27	474.3	16.92
		159.8	578.1	21.06	552.9	20.31	530.7	19.44	519.0	19.17	501.0	18.27	474.3	16.92
	104	42.6	578.1	21.66	552.9	20.76	530.7	19.41	519.0	18.39	501.0	17.43	474.3	16.08
		53.3	578.1	21.45	552.9	20.55	530.7	19.17	519.0	18.27	501.0	17.34	474.3	15.96
		106.5	578.1	20.55	552.9	19.65	530.7	18.27	519.0	17.79	501.0	16.92	474.3	15.54
		133.1	578.1	20.25	552.9	19.17	530.7	18.27	519.0	17.34	501.0	16.44	474.3	15.06
		159.8	578.1	20.13	552.9	18.93	530.7	18.27	519.0	17.10	501.0	16.20	474.3	14.82
	113	42.6	578.1	20.31	552.9	19.98	530.7	18.15	519.0	17.04	501.0	16.08	474.3	14.70
		53.3	578.1	20.07	552.9	19.65	530.7	17.79	519.0	16.92	501.0	15.96	474.3	14.58
		106.5	578.1	19.17	552.9	18.27	530.7	16.44	519.0	16.44	501.0	15.54	474.3	14.16
		133.1	578.1	19.17	552.9	17.79	530.7	16.92	519.0	15.54	501.0	14.58	474.3	13.23
		159.8	578.1	19.17	552.9	17.58	530.7	17.13	519.0	15.09	501.0	14.13	474.3	12.75

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	42.6	195.3	29.07	194.1	27.39	193.2	25.14	191.4	24.09	189.6	23.01	186.0	20.94
		53.3	202.2	29.55	200.7	27.90	199.8	25.68	198.0	24.60	196.2	23.52	192.6	21.39
		106.5	228.9	31.56	227.4	30.00	225.9	27.87	223.8	26.67	222.0	25.56	218.4	23.22
		133.1	252.6	33.57	250.8	32.07	249.6	30.03	247.2	28.80	245.4	27.54	240.9	25.02
		159.8	264.9	34.59	262.8	33.12	261.3	31.14	259.2	29.88	257.4	28.53	252.3	25.92
	32	42.6	349.2	39.75	341.4	38.58	334.5	36.81	328.5	35.25	322.8	33.75	311.4	30.66
		53.3	351.3	39.87	343.5	38.67	336.3	36.93	330.6	35.37	324.6	33.87	313.2	30.75
		106.5	359.4	40.23	351.6	39.06	344.1	37.35	338.1	35.79	332.4	34.23	320.4	31.11
		133.1	364.8	40.23	357.3	39.06	349.5	37.35	343.2	35.79	337.2	34.23	325.5	31.11
		159.8	367.5	40.23	360.0	39.06	352.2	37.35	345.6	35.79	339.9	34.23	327.9	31.11
	41	42.6	515.4	42.75	498.3	41.70	485.4	40.08	475.5	38.37	453.0	36.75	432.3	33.42
		53.3	517.2	42.93	499.2	41.88	485.4	40.29	475.5	38.58	453.0	36.93	432.3	33.57
		106.5	524.4	43.68	502.8	42.63	486.0	41.10	475.5	39.39	453.0	37.68	432.3	34.23
		133.1	527.7	43.98	504.0	42.93	486.0	41.37	475.5	39.66	453.0	37.92	432.3	34.47
		159.8	529.2	44.10	504.9	43.08	486.0	41.52	475.5	39.81	453.0	38.04	432.3	34.59
	50	42.6	518.1	38.22	499.8	37.38	486.0	36.21	475.5	34.98	453.0	33.27	432.3	30.42
		53.3	519.6	38.40	500.4	37.50	486.0	36.33	475.5	35.04	453.0	33.30	432.3	30.45
		106.5	524.4	39.09	503.1	37.98	486.0	36.75	475.5	35.22	453.0	33.42	432.3	30.60
		133.1	528.0	38.97	505.5	37.98	486.0	36.66	475.5	35.13	453.0	33.33	432.3	30.45
		159.8	529.8	38.88	506.7	37.98	486.0	36.60	475.5	35.10	453.0	33.30	432.3	30.39
	59	42.6	521.1	33.69	501.9	33.12	486.0	32.40	475.5	31.62	453.0	29.76	432.3	27.51
		53.3	521.7	33.87	502.2	33.15	486.0	32.40	475.5	31.50	453.0	29.67	432.3	27.39
		106.5	524.4	34.53	503.7	33.24	486.0	32.40	475.5	31.02	453.0	29.22	432.3	26.91
		133.1	528.9	33.96	506.4	32.97	486.0	31.98	475.5	30.60	453.0	28.77	432.3	26.49
		159.8	531.3	33.66	507.6	32.82	486.0	31.77	475.5	30.39	453.0	28.53	432.3	26.28
	68	42.6	523.8	28.83	504.6	28.08	486.0	27.39	475.5	27.03	453.0	25.23	432.3	24.00
		53.3	525.9	28.95	504.9	28.11	486.0	27.39	475.5	26.91	453.0	25.11	432.3	23.76
		106.5	533.4	29.46	506.4	28.20	486.0	27.39	475.5	26.49	453.0	24.66	432.3	22.80
		133.1	536.7	28.95	510.9	27.96	486.0	26.91	475.5	26.01	453.0	24.18	432.3	22.38
		159.8	538.2	28.68	513.0	27.84	486.0	26.67	475.5	25.77	453.0	23.94	432.3	22.17
	77	42.6	530.1	25.20	512.7	24.39	486.0	23.40	475.5	22.50	453.0	21.12	432.3	19.17
		53.3	532.2	25.23	512.7	24.27	486.0	23.28	475.5	22.38	453.0	21.00	432.3	19.17
		106.5	539.7	25.32	512.7	23.76	486.0	22.80	475.5	21.90	453.0	20.55	432.3	19.17
		133.1	542.4	24.75	512.7	23.55	486.0	22.38	475.5	21.45	453.0	20.55	432.3	18.69
		159.8	543.9	24.45	512.7	23.46	486.0	22.17	475.5	21.21	453.0	20.55	432.3	18.45
	86	42.6	542.4	22.92	512.7	21.12	486.0	19.68	475.5	19.29	453.0	17.79	432.3	17.04
		53.3	542.4	22.80	512.7	21.00	486.0	19.65	475.5	19.17	453.0	17.79	432.3	16.92
		106.5	542.4	22.38	512.7	20.55	486.0	19.47	475.5	18.69	453.0	17.79	432.3	16.44
		133.1	542.4	21.90	512.7	20.55	486.0	19.17	475.5	18.69	453.0	17.34	432.3	16.44
		159.8	542.4	21.66	512.7	20.55	486.0	19.02	475.5	18.69	453.0	17.10	432.3	16.44
	95	42.6	542.4	21.24	512.7	19.41	486.0	17.37	475.5	17.04	453.0	16.08	432.3	14.70
		53.3	542.4	21.00	512.7	19.17	486.0	17.34	475.5	16.92	453.0	15.96	432.3	14.58
		106.5	542.4	20.07	512.7	18.27	486.0	17.13	475.5	16.44	453.0	15.54	432.3	14.16
		133.1	542.4	20.07	512.7	18.27	486.0	16.92	475.5	16.44	453.0	15.54	432.3	14.16
		159.8	542.4	20.07	512.7	18.27	486.0	16.80	475.5	16.44	453.0	15.54	432.3	14.16
	104	42.6	542.4	19.89	512.7	18.03	486.0	15.57	475.5	15.18	453.0	14.28	432.3	13.32
		53.3	542.4	19.65	512.7	17.79	486.0	15.54	475.5	15.06	453.0	14.16	432.3	13.23
		106.5	542.4	18.69	512.7	16.92	486.0	15.36	475.5	14.58	453.0	13.71	432.3	12.81
		133.1	542.4	18.27	512.7	16.92	486.0	15.06	475.5	14.58	453.0	13.71	432.3	12.81
		159.8	542.4	18.06	512.7	16.92	486.0	14.91	475.5	14.58	453.0	13.71	432.3	12.81
	113	42.6	542.4	18.51	512.7	16.65	486.0	13.74	475.5	13.32	453.0	12.45	432.3	11.97
		53.3	542.4	18.27	512.7	16.44	486.0	13.71	475.5	13.23	453.0	12.33	432.3	11.85
		106.5	542.4	17.34	512.7	15.54	486.0	13.50	475.5	12.81	453.0	11.85	432.3	11.43
		133.1	542.4	16.44	512.7	15.54	486.0	13.23	475.5	12.81	453.0	11.85	432.3	11.43
		159.8	542.4	15.99	512.7	15.54	486.0	13.08	475.5	12.81	453.0	11.85	432.3	11.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	42.6	184.5	26.97	178.8	24.57	173.4	21.57	172.2	20.55	170.7	19.83	168.0	17.79
		53.3	190.8	27.45	184.8	25.02	179.4	22.05	178.2	21.00	176.7	20.25	173.7	18.18
		106.5	216.0	29.28	209.4	26.88	203.1	23.94	201.6	22.80	200.4	22.02	196.2	19.74
		133.1	238.8	31.11	231.0	28.77	224.1	25.83	222.3	24.60	221.1	23.70	216.9	21.30
		159.8	250.2	32.04	242.1	29.70	234.9	26.79	232.8	25.50	231.6	24.57	227.4	22.08
	32	42.6	330.0	36.75	314.7	34.47	300.3	31.65	295.8	30.18	290.7	29.04	279.9	26.10
		53.3	331.8	36.84	316.5	34.56	302.1	31.74	297.6	30.27	292.5	29.13	281.7	26.16
		106.5	339.6	37.20	323.7	34.95	309.3	32.07	304.2	30.60	299.4	29.46	288.3	26.46
		133.1	344.4	37.20	328.8	34.95	314.1	32.07	308.7	30.60	304.2	29.46	293.1	26.46
		159.8	347.1	37.20	331.2	34.95	316.8	32.07	311.1	30.60	306.9	29.46	295.2	26.46
	41	42.6	466.2	39.45	451.2	37.23	436.8	34.44	427.8	32.85	408.6	31.62	389.4	28.38
		53.3	466.5	39.63	450.6	37.41	436.8	34.62	427.8	33.00	408.6	31.77	389.4	28.53
		106.5	468.3	40.32	449.4	38.10	436.8	35.28	427.8	33.66	408.6	32.43	389.4	29.10
		133.1	471.0	40.56	450.6	38.34	436.8	35.55	427.8	33.90	408.6	32.67	389.4	29.34
		159.8	472.5	40.68	451.5	38.46	436.8	35.70	427.8	34.02	408.6	32.79	389.4	29.46
	50	42.6	468.6	34.83	452.7	33.12	436.8	31.17	427.8	29.91	408.6	28.68	389.4	25.86
		53.3	468.3	34.86	452.1	33.15	436.8	31.23	427.8	29.94	408.6	28.68	389.4	25.89
		106.5	467.4	34.95	449.7	33.30	436.8	31.35	427.8	30.09	408.6	28.56	389.4	25.98
		133.1	470.7	34.86	451.2	33.21	436.8	31.26	427.8	30.00	408.6	28.68	389.4	26.07
		159.8	472.2	34.80	451.8	33.15	436.8	31.20	427.8	29.94	408.6	28.71	389.4	26.13
	59	42.6	471.0	30.15	454.2	29.07	436.8	27.99	427.8	27.03	408.6	25.77	389.4	23.40
		53.3	470.1	30.03	453.3	28.95	436.8	27.87	427.8	26.91	408.6	25.56	389.4	23.28
		106.5	467.1	29.55	450.3	28.47	436.8	27.39	427.8	26.49	408.6	24.66	389.4	22.80
		133.1	470.1	29.13	451.5	28.05	436.8	26.91	427.8	26.01	408.6	24.66	389.4	22.80
		159.8	471.9	28.92	452.4	27.84	436.8	26.67	427.8	25.77	408.6	24.66	389.4	22.80
	68	42.6	473.7	25.44	456.3	24.72	436.8	23.88	427.8	22.92	408.6	22.14	389.4	20.76
		53.3	473.4	25.44	455.4	24.66	436.8	23.76	427.8	22.80	408.6	21.90	389.4	20.55
		106.5	471.6	25.44	451.5	24.36	436.8	23.28	427.8	22.38	408.6	21.00	389.4	19.65
		133.1	472.8	25.02	453.0	24.18	436.8	23.28	427.8	22.38	408.6	21.00	389.4	19.65
		159.8	473.7	24.81	453.6	24.09	436.8	23.28	427.8	22.38	408.6	21.00	389.4	19.65
	77	42.6	481.8	22.23	462.0	21.06	436.8	20.19	427.8	19.17	408.6	18.39	389.4	17.04
		53.3	482.7	22.20	462.0	21.00	436.8	20.07	427.8	19.17	408.6	18.27	389.4	16.92
		106.5	487.5	22.02	462.0	20.82	436.8	19.65	427.8	19.17	408.6	17.79	389.4	16.44
		133.1	489.3	21.45	462.0	20.34	436.8	19.65	427.8	18.69	408.6	17.79	389.4	16.44
		159.8	490.2	21.15	462.0	20.13	436.8	19.65	427.8	18.45	408.6	17.79	389.4	16.44
	86	42.6	489.3	20.19	462.0	18.81	436.8	17.43	427.8	17.04	408.6	16.08	389.4	14.58
		53.3	489.3	20.07	462.0	18.69	436.8	17.34	427.8	16.92	408.6	15.96	389.4	14.58
		106.5	489.3	19.65	462.0	18.27	436.8	16.92	427.8	16.44	408.6	15.54	389.4	14.58
		133.1	489.3	19.17	462.0	17.79	436.8	16.92	427.8	16.44	408.6	15.54	389.4	14.16
		159.8	489.3	18.93	462.0	17.58	436.8	16.92	427.8	16.44	408.6	15.54	389.4	13.95
	95	42.6	489.3	18.39	462.0	17.04	436.8	15.66	427.8	15.18	408.6	14.28	389.4	13.32
		53.3	489.3	18.27	462.0	16.92	436.8	15.54	427.8	15.06	408.6	14.16	389.4	13.23
		106.5	489.3	17.79	462.0	16.44	436.8	15.06	427.8	14.58	408.6	13.71	389.4	12.81
		133.1	489.3	17.34	462.0	15.96	436.8	14.58	427.8	14.16	408.6	13.71	389.4	12.81
		159.8	489.3	17.10	462.0	15.72	436.8	14.34	427.8	13.95	408.6	13.71	389.4	12.81
	104	42.6	489.3	17.13	462.0	15.66	436.8	13.80	427.8	13.32	408.6	12.93	389.4	11.97
		53.3	489.3	16.92	462.0	15.54	436.8	13.71	427.8	13.23	408.6	12.81	389.4	11.85
		106.5	489.3	15.96	462.0	15.06	436.8	13.23	427.8	12.81	408.6	12.33	389.4	11.43
		133.1	489.3	15.96	462.0	15.06	436.8	13.23	427.8	12.81	408.6	12.33	389.4	11.43
		159.8	489.3	15.96	462.0	15.06	436.8	13.23	427.8	12.81	408.6	12.33	389.4	11.43
	113	42.6	489.3	15.87	462.0	14.28	436.8	11.97	427.8	11.55	408.6	11.55	389.4	10.59
		53.3	489.3	15.54	462.0	14.16	436.8	11.85	427.8	11.43	408.6	11.43	389.4	10.47
		106.5	489.3	14.16	462.0	13.71	436.8	11.43	427.8	10.95	408.6	10.95	389.4	10.05
		133.1	489.3	14.58	462.0	14.16	436.8	11.85	427.8	11.43	408.6	10.95	389.4	10.05
		159.8	489.3	14.82	462.0	14.40	436.8	12.06	427.8	11.67	408.6	10.95	389.4	10.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	42.6	174.3	19.23	163.5	18.48	154.8	17.70	153.0	17.10	152.1	16.32	149.1	15.03
		53.3	180.3	19.65	169.2	18.90	159.9	18.09	158.1	17.46	157.2	16.68	154.2	15.36
		106.5	204.0	21.36	191.1	20.49	180.9	19.59	179.1	18.93	178.2	18.09	174.6	16.62
		133.1	225.6	23.01	211.2	22.11	199.8	21.15	197.7	20.46	196.8	19.50	192.6	17.94
		159.8	236.4	23.82	221.1	22.92	209.4	21.93	207.0	21.21	206.1	20.22	201.6	18.60
	32	42.6	311.4	28.20	287.1	27.06	267.3	25.95	262.5	25.05	258.9	23.88	249.0	21.99
		53.3	313.2	28.29	288.9	27.15	269.1	26.01	264.0	25.11	260.4	23.94	250.5	22.05
		106.5	321.0	28.62	295.8	27.48	275.4	26.31	270.3	25.41	266.7	24.24	256.2	22.29
		133.1	325.5	28.62	300.3	27.48	279.9	26.31	274.5	25.41	270.9	24.24	260.4	22.29
		159.8	327.9	28.62	302.4	27.48	282.0	26.31	276.6	25.41	273.0	24.24	262.5	22.29
	41	42.6	430.8	30.66	406.5	29.52	388.8	28.17	380.1	27.24	363.9	25.98	345.9	23.91
		53.3	431.7	30.84	407.4	29.67	388.8	28.32	380.1	27.39	363.9	26.10	345.9	24.03
		106.5	435.3	31.50	410.4	30.21	389.4	28.95	380.1	27.96	363.9	26.64	345.9	24.57
		133.1	435.3	31.68	410.1	30.45	389.4	29.13	380.1	28.14	363.9	26.82	345.9	24.69
		159.8	435.3	31.77	409.8	30.57	389.4	29.22	380.1	28.23	363.9	26.91	345.9	24.78
	50	42.6	433.2	28.23	408.3	26.94	388.8	25.59	380.1	24.87	363.9	23.55	345.9	21.81
		53.3	433.5	28.20	408.6	26.91	388.8	25.59	380.1	24.90	363.9	23.55	345.9	21.81
		106.5	435.3	28.05	410.4	26.79	389.4	25.65	380.1	24.93	363.9	23.61	345.9	21.87
		133.1	435.3	27.96	410.1	26.88	389.4	25.74	380.1	24.78	363.9	23.46	345.9	21.72
		159.8	435.3	27.90	409.8	26.91	389.4	25.77	380.1	24.72	363.9	23.40	345.9	21.66
	59	42.6	435.3	25.77	410.1	24.42	389.4	22.92	380.1	22.50	363.9	21.12	345.9	19.77
		53.3	435.3	25.56	410.1	24.18	389.4	22.80	380.1	22.38	363.9	21.00	345.9	19.65
		106.5	435.3	24.66	410.1	23.28	389.4	22.38	380.1	21.90	363.9	20.55	345.9	19.17
		133.1	435.3	24.18	410.1	23.28	389.4	22.38	380.1	21.45	363.9	20.07	345.9	18.69
		159.8	435.3	23.94	410.1	23.28	389.4	22.38	380.1	21.21	363.9	19.83	345.9	18.45
	68	42.6	435.3	21.54	410.1	20.67	389.4	19.65	380.1	19.29	363.9	18.39	345.9	17.04
		53.3	435.3	21.45	410.1	20.55	389.4	19.65	380.1	19.17	363.9	18.27	345.9	16.92
		106.5	435.3	21.00	410.1	20.07	389.4	19.65	380.1	18.69	363.9	17.79	345.9	16.44
		133.1	435.3	20.55	410.1	19.65	389.4	19.17	380.1	18.69	363.9	17.34	345.9	16.44
		159.8	435.3	20.31	410.1	19.44	389.4	18.93	380.1	18.69	363.9	17.10	345.9	16.44
	77	42.6	435.3	19.29	410.1	17.91	389.4	16.92	380.1	16.56	363.9	15.66	345.9	14.70
		53.3	435.3	19.17	410.1	17.79	389.4	16.92	380.1	16.44	363.9	15.54	345.9	14.58
		106.5	435.3	18.69	410.1	17.34	389.4	16.92	380.1	15.96	363.9	15.06	345.9	14.16
		133.1	435.3	18.27	410.1	17.34	389.4	16.44	380.1	15.96	363.9	15.06	345.9	14.16
		159.8	435.3	18.06	410.1	17.34	389.4	16.20	380.1	15.96	363.9	15.06	345.9	14.16
	86	42.6	435.3	17.04	410.1	16.08	389.4	15.18	380.1	14.70	363.9	13.80	345.9	12.93
		53.3	435.3	16.92	410.1	15.96	389.4	15.06	380.1	14.58	363.9	13.71	345.9	12.81
		106.5	435.3	16.44	410.1	15.54	389.4	14.58	380.1	14.16	363.9	13.23	345.9	12.33
		133.1	435.3	16.44	410.1	15.54	389.4	14.58	380.1	14.16	363.9	13.23	345.9	12.33
		159.8	435.3	16.44	410.1	15.54	389.4	14.58	380.1	14.16	363.9	13.23	345.9	12.33
	95	42.6	435.3	15.66	410.1	14.70	389.4	13.32	380.1	12.81	363.9	12.45	345.9	11.43
		53.3	435.3	15.54	410.1	14.58	389.4	13.23	380.1	12.81	363.9	12.33	345.9	11.43
		106.5	435.3	15.06	410.1	14.16	389.4	12.81	380.1	12.81	363.9	11.85	345.9	11.43
		133.1	435.3	15.06	410.1	13.71	389.4	12.81	380.1	12.33	363.9	11.85	345.9	10.95
		159.8	435.3	15.06	410.1	13.47	389.4	12.81	380.1	12.09	363.9	11.85	345.9	10.71
	104	42.6	435.3	14.82	410.1	13.32	389.4	11.85	380.1	11.97	363.9	10.95	345.9	10.59
		53.3	435.3	14.58	410.1	13.23	389.4	11.85	380.1	11.85	363.9	10.95	345.9	10.47
		106.5	435.3	13.71	410.1	12.81	389.4	11.85	380.1	11.43	363.9	10.95	345.9	10.05
		133.1	435.3	13.71	410.1	12.81	389.4	11.43	380.1	11.43	363.9	10.95	345.9	10.05
		159.8	435.3	13.71	410.1	12.81	389.4	11.22	380.1	11.43	363.9	10.95	345.9	10.05
	113	42.6	435.3	14.04	410.1	11.97	389.4	10.35	380.1	11.19	363.9	9.48	345.9	9.81
		53.3	435.3	13.71	410.1	11.85	389.4	10.47	380.1	10.95	363.9	9.60	345.9	9.60
		106.5	435.3	12.33	410.1	11.43	389.4	10.95	380.1	10.05	363.9	10.05	345.9	8.70
		133.1	435.3	12.33	410.1	11.85	389.4	10.05	380.1	10.47	363.9	10.05	345.9	9.12
		159.8	435.3	12.33	410.1	12.06	389.4	9.60	380.1	10.71	363.9	10.05	345.9	9.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	42.6	152.1	16.50	142.8	15.72	135.0	15.21	133.8	14.34	132.9	13.83	130.8	12.57
		53.3	157.2	16.86	147.9	16.05	139.8	15.54	138.3	14.64	137.4	14.13	135.3	12.84
		106.5	178.2	18.27	167.4	17.43	157.8	16.86	156.3	15.87	155.4	15.30	152.7	13.92
		133.1	197.1	19.74	184.8	18.81	174.6	18.18	173.1	17.10	171.9	16.53	168.6	15.03
		159.8	206.7	20.49	193.8	19.50	183.0	18.84	181.5	17.70	180.0	17.16	176.7	15.57
	32	42.6	272.4	24.15	251.7	23.04	233.7	22.26	229.5	20.97	225.9	20.25	218.1	18.42
		53.3	273.9	24.24	253.2	23.10	235.2	22.35	231.0	21.00	227.4	20.31	219.3	18.45
		106.5	280.2	24.51	258.9	23.34	240.6	22.62	236.4	21.24	232.8	20.55	224.1	18.66
		133.1	284.4	24.51	263.1	23.34	244.2	22.62	240.0	21.24	236.4	20.55	228.0	18.66
		159.8	286.5	24.51	265.2	23.34	246.0	22.62	241.8	21.24	238.2	20.55	229.8	18.66
	41	42.6	376.2	26.31	356.4	25.05	339.3	24.24	332.4	22.83	317.4	22.02	302.4	20.01
		53.3	377.1	26.46	357.3	25.17	339.6	24.36	332.4	22.95	317.4	22.14	302.4	20.13
		106.5	380.1	26.97	360.0	25.68	339.9	24.90	332.4	23.37	317.4	22.62	302.4	20.55
		133.1	380.1	27.15	359.4	25.89	339.9	25.08	332.4	23.55	317.4	22.77	302.4	20.67
		159.8	380.1	27.24	359.1	25.98	339.9	25.17	332.4	23.67	317.4	22.83	302.4	20.76
	50	42.6	378.0	24.24	357.6	22.89	339.9	22.05	332.4	20.82	317.4	19.98	302.4	18.27
		53.3	378.3	24.18	358.2	22.86	339.9	22.02	332.4	20.82	317.4	19.98	302.4	18.27
		106.5	380.1	24.00	359.4	22.68	339.9	21.81	332.4	20.82	317.4	19.98	302.4	18.27
		133.1	380.1	24.09	359.4	22.77	339.9	21.90	332.4	20.91	317.4	19.83	302.4	18.33
		159.8	380.1	24.12	359.4	22.80	339.9	21.96	332.4	20.97	317.4	19.77	302.4	18.36
	59	42.6	380.1	22.14	359.4	20.76	339.9	19.89	332.4	18.81	317.4	17.91	302.4	16.56
		53.3	380.1	21.90	359.4	20.55	339.9	19.65	332.4	18.69	317.4	17.79	302.4	16.44
		106.5	380.1	21.00	359.4	19.65	339.9	18.69	332.4	18.27	317.4	17.34	302.4	15.96
		133.1	380.1	21.00	359.4	19.65	339.9	18.69	332.4	18.27	317.4	16.92	302.4	15.96
		159.8	380.1	21.00	359.4	19.65	339.9	18.69	332.4	18.27	317.4	16.68	302.4	15.96
	68	42.6	380.1	18.39	359.4	17.43	339.9	17.04	332.4	16.56	317.4	15.66	302.4	14.70
		53.3	380.1	18.27	359.4	17.34	339.9	16.92	332.4	16.44	317.4	15.54	302.4	14.58
		106.5	380.1	17.79	359.4	16.92	339.9	16.44	332.4	15.96	317.4	15.06	302.4	14.16
		133.1	380.1	17.79	359.4	16.92	339.9	16.44	332.4	15.54	317.4	15.06	302.4	13.71
		159.8	380.1	17.79	359.4	16.92	339.9	16.44	332.4	15.33	317.4	15.06	302.4	13.47
	77	42.6	380.1	16.56	359.4	15.66	339.9	14.70	332.4	14.28	317.4	13.23	302.4	12.33
		53.3	380.1	16.44	359.4	15.54	339.9	14.58	332.4	14.16	317.4	13.23	302.4	12.33
		106.5	380.1	15.96	359.4	15.06	339.9	14.16	332.4	13.71	317.4	13.23	302.4	12.33
		133.1	380.1	15.54	359.4	14.58	339.9	14.16	332.4	13.71	317.4	12.81	302.4	12.33
		159.8	380.1	15.33	359.4	14.34	339.9	14.16	332.4	13.71	317.4	12.57	302.4	12.33
	86	42.6	380.1	14.70	359.4	13.80	339.9	12.93	332.4	12.33	317.4	11.97	302.4	10.95
		53.3	380.1	14.58	359.4	13.71	339.9	12.81	332.4	12.33	317.4	11.85	302.4	10.95
		106.5	380.1	14.16	359.4	13.23	339.9	12.33	332.4	12.33	317.4	11.43	302.4	10.95
		133.1	380.1	14.16	359.4	13.23	339.9	12.33	332.4	11.85	317.4	11.43	302.4	10.95
		159.8	380.1	14.16	359.4	13.23	339.9	12.33	332.4	11.61	317.4	11.43	302.4	10.95
	95	42.6	380.1	13.32	359.4	12.45	339.9	11.43	332.4	11.55	317.4	10.47	302.4	10.17
		53.3	380.1	13.23	359.4	12.33	339.9	11.43	332.4	11.43	317.4	10.47	302.4	10.05
		106.5	380.1	12.81	359.4	11.85	339.9	11.43	332.4	10.95	317.4	10.47	302.4	9.60
		133.1	380.1	12.81	359.4	11.85	339.9	10.95	332.4	10.95	317.4	10.47	302.4	9.60
		159.8	380.1	12.81	359.4	11.85	339.9	10.71	332.4	10.95	317.4	10.47	302.4	9.60
	104	42.6	380.1	12.45	359.4	11.55	339.9	10.59	332.4	10.05	317.4	9.60	302.4	9.21
		53.3	380.1	12.33	359.4	11.43	339.9	10.47	332.4	10.05	317.4	9.60	302.4	9.12
		106.5	380.1	11.85	359.4	10.95	339.9	10.05	332.4	10.05	317.4	9.60	302.4	8.70
		133.1	380.1	11.85	359.4	10.95	339.9	10.05	332.4	9.60	317.4	9.12	302.4	8.70
		159.8	380.1	11.85	359.4	10.95	339.9	10.05	332.4	9.36	317.4	8.88	302.4	8.70
	113	42.6	380.1	11.55	359.4	10.59	339.9	9.81	332.4	8.58	317.4	8.70	302.4	8.34
		53.3	380.1	11.43	359.4	10.47	339.9	9.60	332.4	8.70	317.4	8.70	302.4	8.22
		106.5	380.1	10.95	359.4	10.05	339.9	8.70	332.4	9.12	317.4	8.70	302.4	7.74
		133.1	380.1	10.95	359.4	10.05	339.9	9.12	332.4	8.22	317.4	7.74	302.4	7.74
		159.8	380.1	10.95	359.4	10.05	339.9	9.33	332.4	7.77	317.4	7.26	302.4	7.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	42.6	130.5	13.41	122.4	12.90	115.8	12.39	114.6	11.52	114.0	11.31	111.9	10.11
		53.3	135.3	13.71	126.6	13.17	119.7	12.66	118.5	11.76	117.9	11.58	115.8	10.35
		106.5	153.3	14.88	143.4	14.31	135.6	13.74	134.4	12.75	133.8	12.57	131.1	11.25
		133.1	169.2	16.02	158.1	15.45	150.0	14.82	148.2	13.80	147.9	13.56	144.6	12.09
		159.8	177.0	16.59	165.9	16.02	157.5	15.39	155.4	14.31	154.8	14.04	151.5	12.51
	32	42.6	233.7	19.62	215.4	18.93	200.7	18.12	196.8	16.86	194.1	16.62	186.9	14.85
		53.3	235.2	19.68	216.6	18.99	202.2	18.18	198.0	16.92	195.3	16.68	188.1	14.88
		106.5	240.6	19.92	221.4	19.17	207.0	18.42	202.5	17.10	199.8	16.86	192.0	15.03
		133.1	244.2	19.92	225.0	19.17	210.3	18.42	205.8	17.10	203.1	16.86	195.3	15.03
		159.8	246.0	19.92	227.1	19.17	211.8	18.42	207.3	17.10	204.6	16.86	196.8	15.03
	41	42.6	323.1	21.39	304.5	20.58	292.2	19.74	284.7	18.36	272.7	18.09	259.5	16.11
		53.3	323.7	21.48	305.1	20.67	292.2	19.83	284.7	18.45	272.7	18.18	259.5	16.20
		106.5	326.4	21.90	307.5	21.12	292.2	20.25	284.7	18.84	272.7	18.57	259.5	16.53
		133.1	326.4	22.11	306.9	21.24	292.2	20.40	284.7	18.99	272.7	18.66	259.5	16.68
		159.8	326.4	22.20	306.6	21.33	292.2	20.46	284.7	19.05	272.7	18.69	259.5	16.74
	50	42.6	324.6	19.65	305.7	18.81	292.2	17.91	284.7	16.71	272.7	16.41	259.5	14.70
		53.3	325.2	19.65	306.0	18.81	292.2	17.91	284.7	16.77	272.7	16.38	259.5	14.73
		106.5	326.4	19.65	307.5	18.81	292.2	17.91	284.7	16.95	272.7	16.35	259.5	14.88
		133.1	326.4	19.68	306.9	18.60	292.2	17.70	284.7	16.77	272.7	16.20	259.5	14.73
		159.8	326.4	19.71	306.6	18.51	292.2	17.61	284.7	16.68	272.7	16.14	259.5	14.67
	59	42.6	326.4	17.91	306.9	17.04	292.2	16.08	284.7	15.06	272.7	14.70	259.5	13.23
		53.3	326.4	17.79	306.9	16.92	292.2	15.96	284.7	15.06	272.7	14.58	259.5	13.23
		106.5	326.4	17.34	306.9	16.44	292.2	15.54	284.7	15.06	272.7	14.16	259.5	13.23
		133.1	326.4	17.34	306.9	15.96	292.2	15.06	284.7	14.58	272.7	13.71	259.5	12.81
		159.8	326.4	17.34	306.9	15.72	292.2	14.82	284.7	14.34	272.7	13.47	259.5	12.57
	68	42.6	326.4	15.66	306.9	14.70	292.2	13.80	284.7	13.32	272.7	12.93	259.5	11.97
		53.3	326.4	15.54	306.9	14.58	292.2	13.71	284.7	13.23	272.7	12.81	259.5	11.85
		106.5	326.4	15.06	306.9	14.16	292.2	13.23	284.7	12.81	272.7	12.33	259.5	11.43
		133.1	326.4	15.06	306.9	14.16	292.2	13.23	284.7	12.81	272.7	12.33	259.5	11.43
		159.8	326.4	15.06	306.9	14.16	292.2	13.23	284.7	12.81	272.7	12.33	259.5	11.43
	77	42.6	326.4	13.80	306.9	12.93	292.2	11.85	284.7	11.97	272.7	10.95	259.5	10.59
		53.3	326.4	13.71	306.9	12.81	292.2	11.85	284.7	11.85	272.7	10.95	259.5	10.47
		106.5	326.4	13.23	306.9	12.33	292.2	11.85	284.7	11.43	272.7	10.95	259.5	10.05
		133.1	326.4	13.23	306.9	12.33	292.2	11.43	284.7	11.43	272.7	10.95	259.5	10.05
		159.8	326.4	13.23	306.9	12.33	292.2	11.22	284.7	11.43	272.7	10.95	259.5	10.05
	86	42.6	326.4	12.45	306.9	11.55	292.2	11.07	284.7	10.59	272.7	10.17	259.5	9.72
		53.3	326.4	12.33	306.9	11.43	292.2	10.95	284.7	10.47	272.7	10.05	259.5	9.60
		106.5	326.4	11.85	306.9	10.95	292.2	10.47	284.7	10.05	272.7	9.60	259.5	9.12
		133.1	326.4	11.85	306.9	10.95	292.2	10.47	284.7	10.05	272.7	9.60	259.5	9.12
		159.8	326.4	11.85	306.9	10.95	292.2	10.47	284.7	10.05	272.7	9.60	259.5	9.12
	95	42.6	326.4	10.95	306.9	10.59	292.2	9.60	284.7	9.72	272.7	9.21	259.5	8.82
		53.3	326.4	10.95	306.9	10.47	292.2	9.60	284.7	9.60	272.7	9.12	259.5	8.70
		106.5	326.4	10.95	306.9	10.05	292.2	9.60	284.7	9.12	272.7	8.70	259.5	8.22
		133.1	326.4	10.95	306.9	10.05	292.2	9.12	284.7	9.12	272.7	8.70	259.5	8.22
		159.8	326.4	10.95	306.9	10.05	292.2	8.88	284.7	9.12	272.7	8.70	259.5	8.22
	104	42.6	326.4	10.05	306.9	9.72	292.2	8.70	284.7	8.82	272.7	8.34	259.5	7.74
		53.3	326.4	10.05	306.9	9.60	292.2	8.70	284.7	8.70	272.7	8.22	259.5	7.74
		106.5	326.4	10.05	306.9	9.12	292.2	8.70	284.7	8.22	272.7	7.74	259.5	7.74
		133.1	326.4	10.05	306.9	9.12	292.2	8.70	284.7	8.22	272.7	7.74	259.5	7.74
		159.8	326.4	10.05	306.9	9.12	292.2	8.70	284.7	8.22	272.7	7.74	259.5	7.74
	113	42.6	326.4	9.12	306.9	8.82	292.2	7.74	284.7	7.86	272.7	7.44	259.5	6.72
		53.3	326.4	9.12	306.9	8.70	292.2	7.74	284.7	7.74	272.7	7.32	259.5	6.84
		106.5	326.4	9.12	306.9	8.22	292.2	7.74	284.7	7.32	272.7	6.84	259.5	7.32
		133.1	326.4	9.12	306.9	8.22	292.2	8.22	284.7	7.32	272.7	6.84	259.5	7.32
		159.8	326.4	9.12	306.9	8.22	292.2	8.46	284.7	7.32	272.7	6.84	259.5	7.32

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN432BAS4, ARWB432BAS4

432,000 Btu/h, 208/230V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	42.6	108.9	10.68	102.3	10.11	96.6	9.57	95.1	9.06	94.8	8.49	93.0	8.04
		53.3	112.5	10.92	105.9	10.35	99.9	9.78	98.7	9.27	98.1	8.70	96.3	8.22
		106.5	126.9	11.82	119.4	11.25	113.1	10.59	111.6	10.05	111.3	9.45	108.9	8.88
		133.1	140.7	12.75	132.0	12.09	124.8	11.43	123.3	10.86	122.4	10.14	120.6	9.60
		159.8	147.3	13.23	138.3	12.51	130.8	11.85	129.3	11.28	128.1	10.50	126.6	9.93
	32	42.6	194.1	15.63	179.7	14.85	167.1	13.98	163.5	13.26	161.4	12.48	155.4	11.76
		53.3	195.3	15.69	180.9	14.88	168.3	14.04	164.7	13.32	162.3	12.51	156.3	11.82
		106.5	199.8	15.81	184.8	15.03	172.2	14.22	168.6	13.50	166.5	12.66	159.9	11.94
		133.1	203.1	15.81	187.5	15.03	174.6	14.22	171.3	13.50	168.6	12.66	162.9	11.94
		159.8	204.6	15.81	189.0	15.03	175.5	14.22	172.8	13.50	169.8	12.66	164.1	11.94
	41	42.6	268.5	17.01	254.4	16.11	242.7	15.21	237.0	14.46	226.5	13.59	216.0	12.78
		53.3	269.1	17.10	255.0	16.20	242.7	15.30	237.0	14.55	226.5	13.65	216.0	12.84
		106.5	271.2	17.43	256.8	16.53	243.3	15.63	237.0	14.82	226.5	13.89	216.0	13.14
		133.1	271.2	17.58	256.2	16.68	243.3	15.72	237.0	14.91	226.5	14.04	216.0	13.23
		159.8	271.2	17.64	256.2	16.74	243.3	15.78	237.0	14.97	226.5	14.10	216.0	13.26
	50	42.6	270.0	15.66	255.0	14.76	242.7	13.86	237.0	13.26	226.5	12.24	216.0	11.70
		53.3	270.3	15.63	255.3	14.73	242.7	13.83	237.0	13.23	226.5	12.27	216.0	11.67
		106.5	271.2	15.54	256.8	14.70	243.3	13.74	237.0	13.14	226.5	12.42	216.0	11.58
		133.1	271.2	15.63	256.2	14.73	243.3	13.80	237.0	13.17	226.5	12.24	216.0	11.61
		159.8	271.2	15.69	256.2	14.76	243.3	13.80	237.0	13.20	226.5	12.15	216.0	11.64
	59	42.6	271.2	14.28	256.2	13.32	243.3	12.45	237.0	11.97	226.5	10.95	216.0	10.59
		53.3	271.2	14.16	256.2	13.23	243.3	12.33	237.0	11.85	226.5	10.95	216.0	10.47
		106.5	271.2	13.71	256.2	12.81	243.3	11.85	237.0	11.43	226.5	10.95	216.0	10.05
		133.1	271.2	13.71	256.2	12.81	243.3	11.85	237.0	11.43	226.5	10.47	216.0	10.05
		159.8	271.2	13.71	256.2	12.81	243.3	11.85	237.0	11.43	226.5	10.26	216.0	10.05
	68	42.6	271.2	12.45	256.2	11.55	243.3	11.07	237.0	10.59	226.5	10.17	216.0	9.12
		53.3	271.2	12.33	256.2	11.43	243.3	10.95	237.0	10.47	226.5	10.05	216.0	9.12
		106.5	271.2	11.85	256.2	10.95	243.3	10.47	237.0	10.05	226.5	9.60	216.0	9.12
		133.1	271.2	11.85	256.2	10.95	243.3	10.47	237.0	10.05	226.5	9.60	216.0	9.12
		159.8	271.2	11.85	256.2	10.95	243.3	10.47	237.0	10.05	226.5	9.60	216.0	9.12
	77	42.6	271.2	11.07	256.2	10.05	243.3	9.72	237.0	9.12	226.5	8.70	216.0	8.22
		53.3	271.2	10.95	256.2	10.05	243.3	9.60	237.0	9.12	226.5	8.70	216.0	8.22
		106.5	271.2	10.47	256.2	10.05	243.3	9.12	237.0	9.12	226.5	8.70	216.0	8.22
		133.1	271.2	10.47	256.2	10.05	243.3	9.12	237.0	9.12	226.5	8.70	216.0	8.22
		159.8	271.2	10.47	256.2	10.05	243.3	9.12	237.0	9.12	226.5	8.70	216.0	8.22
	86	42.6	271.2	10.17	256.2	9.21	243.3	8.82	237.0	8.22	226.5	8.34	216.0	7.86
		53.3	271.2	10.05	256.2	9.12	243.3	8.70	237.0	8.22	226.5	8.22	216.0	7.74
		106.5	271.2	9.60	256.2	8.70	243.3	8.22	237.0	8.22	226.5	7.74	216.0	7.32
		133.1	271.2	9.60	256.2	8.70	243.3	8.22	237.0	8.22	226.5	7.74	216.0	7.32
		159.8	271.2	9.60	256.2	8.70	243.3	8.22	237.0	8.22	226.5	7.74	216.0	7.32
	95	42.6	271.2	9.21	256.2	8.22	243.3	7.74	237.0	7.86	226.5	7.32	216.0	6.84
		53.3	271.2	9.12	256.2	8.22	243.3	7.74	237.0	7.74	226.5	7.32	216.0	6.84
		106.5	271.2	8.70	256.2	8.22	243.3	7.74	237.0	7.32	226.5	7.32	216.0	6.84
		133.1	271.2	8.70	256.2	8.22	243.3	7.74	237.0	7.32	226.5	7.32	216.0	6.84
		159.8	271.2	8.70	256.2	8.22	243.3	7.74	237.0	7.32	226.5	7.32	216.0	6.84
	104	42.6	271.2	8.34	256.2	7.86	243.3	7.44	237.0	6.84	226.5	6.96	216.0	6.39
		53.3	271.2	8.22	256.2	7.74	243.3	7.32	237.0	6.84	226.5	6.84	216.0	6.39
		106.5	271.2	7.74	256.2	7.32	243.3	6.84	237.0	6.84	226.5	6.39	216.0	6.39
		133.1	271.2	7.74	256.2	7.32	243.3	6.84	237.0	6.84	226.5	6.39	216.0	6.39
		159.8	271.2	7.74	256.2	7.32	243.3	6.84	237.0	6.84	226.5	6.39	216.0	6.39
	113	42.6	271.2	7.44	256.2	7.56	243.3	7.08	237.0	5.85	226.5	6.60	216.0	5.94
		53.3	271.2	7.32	256.2	7.32	243.3	6.84	237.0	5.94	226.5	6.39	216.0	5.94
		106.5	271.2	6.84	256.2	6.39	243.3	5.94	237.0	6.39	226.5	5.49	216.0	5.94
		133.1	271.2	6.84	256.2	6.39	243.3	5.94	237.0	6.39	226.5	5.49	216.0	5.94
		159.8	271.2	6.84	256.2	6.39	243.3	5.94	237.0	6.39	226.5	5.49	216.0	5.94=

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	5.3	66.8	1.33	72.4	1.56	79.1	1.82	85.8	2.05	88.3	2.11	91.8	2.15	94.3	2.17
	32	6.0	66.8	1.33	72.4	1.56	79.1	1.82	85.8	2.05	88.3	2.11	91.8	2.15	94.3	2.17
	41	6.9	66.8	1.33	72.4	1.56	79.1	1.82	85.8	2.05	88.3	2.11	91.8	2.15	94.3	2.17
	50	8.1	66.8	1.33	72.4	1.56	79.1	1.82	85.8	2.05	88.3	2.11	91.8	2.15	94.3	2.17
		10.2	66.8	1.31	72.4	1.54	79.1	1.79	85.8	2.02	88.3	2.07	91.8	2.12	94.3	2.14
		20.3	66.8	1.22	72.4	1.44	79.1	1.68	85.8	1.89	88.3	1.92	91.8	1.98	94.3	2.03
		25.4	66.8	1.18	72.4	1.41	79.1	1.64	85.8	1.84	88.3	1.90	91.8	1.94	94.3	1.98
		30.5	66.8	1.16	72.4	1.39	79.1	1.63	85.8	1.82	88.3	1.88	91.8	1.92	94.3	1.95
	59	8.1	65.8	1.76	71.3	2.05	77.7	2.39	84.4	2.69	86.9	2.76	90.3	2.82	92.8	2.86
		10.2	65.8	1.73	71.3	2.02	77.7	2.35	84.4	2.65	86.9	2.71	90.3	2.78	92.8	2.82
		20.3	65.8	1.59	71.3	1.89	77.7	2.20	84.4	2.48	86.9	2.53	90.3	2.61	92.8	2.66
		25.4	65.8	1.55	71.3	1.85	77.7	2.15	84.4	2.42	86.9	2.49	90.3	2.55	92.8	2.60
		30.5	65.8	1.52	71.3	1.82	77.7	2.13	84.4	2.40	86.9	2.46	90.3	2.52	92.8	2.56
	67	8.1	64.9	2.14	70.3	2.48	76.5	2.90	83.2	3.26	85.7	3.34	89.0	3.42	91.5	3.48
		10.2	64.9	2.10	70.3	2.44	76.5	2.85	83.2	3.21	85.7	3.28	89.0	3.36	91.5	3.43
		20.3	64.9	1.93	70.3	2.29	76.5	2.66	83.2	3.00	85.7	3.08	89.0	3.16	91.5	3.22
		25.4	64.9	1.87	70.3	2.23	76.5	2.61	83.2	2.94	85.7	3.01	89.0	3.09	91.5	3.15
		30.5	64.9	1.85	70.3	2.21	76.5	2.58	83.2	2.91	85.7	2.98	89.0	3.06	91.5	3.11
	75	8.1	64.9	2.64	70.3	3.06	76.5	3.57	83.2	4.02	85.7	4.12	89.0	4.22	91.5	4.29
		10.2	64.9	2.59	70.3	3.01	76.5	3.51	83.2	3.95	85.7	4.05	89.0	4.15	91.5	4.22
		20.3	64.9	2.38	70.3	2.82	76.5	3.28	83.2	3.70	85.7	3.79	89.0	3.89	91.5	3.97
		25.4	64.9	2.32	70.3	2.76	76.5	3.22	83.2	3.63	85.7	3.72	89.0	3.82	91.5	3.88
		30.5	64.9	2.28	70.3	2.73	76.5	3.19	83.2	3.59	85.7	3.68	89.0	3.78	91.5	3.84
	86	8.1	64.9	3.17	70.3	3.68	76.5	4.28	83.2	4.83	85.7	4.94	89.0	5.06	91.5	5.14
		10.2	64.9	3.10	70.3	3.62	76.5	4.22	83.2	4.75	85.7	4.86	89.0	4.98	91.5	5.07
		20.3	64.9	2.85	70.3	3.38	76.5	3.94	83.2	4.44	85.7	4.55	89.0	4.67	91.5	4.77
		25.4	64.9	2.78	70.3	3.31	76.5	3.86	83.2	4.35	85.7	4.47	89.0	4.58	91.5	4.66
		30.5	64.9	2.74	70.3	3.27	76.5	3.82	83.2	4.31	85.7	4.43	89.0	4.53	91.5	4.60
	95	8.1	58.4	3.20	63.2	3.73	68.9	4.33	74.9	4.88	77.1	4.99	80.1	5.12	82.3	5.21
		10.2	58.4	3.14	63.2	3.66	68.9	4.26	74.9	4.80	77.1	4.91	80.1	5.04	82.3	5.13
		20.3	58.4	2.89	63.2	3.42	68.9	3.99	74.9	4.49	77.1	4.60	80.1	4.72	82.3	4.81
		25.4	58.4	2.80	63.2	3.35	68.9	3.91	74.9	4.40	77.1	4.51	80.1	4.63	82.3	4.71
		30.5	58.4	2.76	63.2	3.31	68.9	3.87	74.9	4.35	77.1	4.47	80.1	4.59	82.3	4.66
	104	8.1	51.9	3.38	56.2	3.93	61.2	4.57	66.5	5.15	68.5	5.27	71.2	5.39	73.2	5.49
		10.2	51.9	3.31	56.2	3.86	61.2	4.50	66.5	5.07	68.5	5.18	71.2	5.31	73.2	5.41
		20.3	51.9	3.04	56.2	3.61	61.2	4.21	66.5	4.73	68.5	4.85	71.2	4.98	73.2	5.08
		25.4	51.9	2.96	56.2	3.53	61.2	4.12	66.5	4.64	68.5	4.76	71.2	4.88	73.2	4.97
		30.5	51.9	2.92	56.2	3.49	61.2	4.07	66.5	4.60	68.5	4.71	71.2	4.84	73.2	4.91
	113	8.1	45.4	3.56	49.2	4.13	53.5	4.81	58.1	5.42	59.9	5.55	62.3	5.67	64.1	5.77
		10.2	45.4	3.48	49.2	4.06	53.5	4.73	58.1	5.33	59.9	5.45	62.3	5.58	64.1	5.69
		20.3	45.4	3.19	49.2	3.80	53.5	4.42	58.1	4.98	59.9	5.09	62.3	5.25	64.1	5.35
		25.4	45.4	3.11	49.2	3.71	53.5	4.32	58.1	4.88	59.9	5.00	62.3	5.14	64.1	5.22
		30.5	45.4	3.07	49.2	3.66	53.5	4.27	58.1	4.84	59.9	4.96	62.3	5.08	64.1	5.15
120	23	5.3	63.3	1.27	68.6	1.47	74.6	1.73	81.2	1.94	83.7	2.00	86.9	2.04	89.3	2.08
	32	6.0	63.3	1.27	68.6	1.47	74.6	1.73	81.2	1.94	83.7	2.00	86.9	2.04	89.3	2.08
	41	6.9	63.3	1.27	68.6	1.47	74.6	1.73	81.2	1.94	83.7	2.00	86.9	2.04	89.3	2.08
	50	8.1	63.3	1.27	68.6	1.47	74.6	1.73	81.2	1.94	83.7	2.00	86.9	2.04	89.3	2.08
		10.2	63.3	1.25	68.6	1.45	74.6	1.70	81.2	1.91	83.7	1.97	86.9	2.01	89.3	2.04
		20.3	63.3	1.14	68.6	1.35	74.6	1.58	81.2	1.79	83.7	1.82	86.9	1.88	89.3	1.90
		25.4	63.3	1.13	68.6	1.33	74.6	1.56	81.2	1.75	83.7	1.79	86.9	1.84	89.3	1.87
		30.5	63.3	1.12	68.6	1.31	74.6	1.56	81.2	1.74	83.7	1.77	86.9	1.82	89.3	1.85
	59	8.1	62.6	1.69	67.8	1.96	73.8	2.29	80.3	2.57	82.7	2.64	85.9	2.70	88.3	2.75
		10.2	62.6	1.66	67.8	1.93	73.8	2.25	80.3	2.53	82.7	2.60	85.9	2.66	88.3	2.70
		20.3	62.6	1.52	67.8	1.80	73.8	2.10	80.3	2.37	82.7	2.42	85.9	2.49	88.3	2.53
		25.4	62.6	1.48	67.8	1.76	73.8	2.06	80.3	2.32	82.7	2.38	85.9	2.44	88.3	2.48
		30.5	62.6	1.47	67.8	1.75	73.8	2.04	80.3	2.30	82.7	2.36	85.9	2.42	88.3	2.45
	67	8.1	62.0	2.06	67.1	2.39	73.1	2.79	79.5	3.13	81.8	3.21	85.0	3.29	87.4	3.34
		10.2	62.0	2.02	67.1	2.35	73.1	2.74	79.5	3.08	81.8	3.16	85.0	3.24	87.4	3.29
		20.3	62.0	1.85	67.1	2.20	73.1	2.56	79.5	2.89	81.8	2.96	85.0	3.03	87.4	3.09
		25.4	62.0	1.80	67.1	2.15	73.1	2.51	79.5	2.83	81.8	2.90	85.0	2.98	87.4	3.02
		30.5	62.0	1.77	67.1	2.13	73.1	2.48	79.5	2.80	81.8	2.88	85.0	2.95	87.4	2.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN072DAS4, ARWB072DAS4
72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	8.1	62.0	2.53	67.1	2.93	73.1	3.42	79.5	3.85	81.8	3.94	85.0	4.04	87.4	4.12
		10.2	62.0	2.48	67.1	2.89	73.1	3.36	79.5	3.79	81.8	3.88	85.0	3.98	87.4	4.05
		20.3	62.0	2.28	67.1	2.70	73.1	3.15	79.5	3.55	81.8	3.63	85.0	3.73	87.4	3.80
		25.4	62.0	2.22	67.1	2.64	73.1	3.08	79.5	3.47	81.8	3.56	85.0	3.65	87.4	3.71
		30.5	62.0	2.18	67.1	2.61	73.1	3.05	79.5	3.44	81.8	3.53	85.0	3.62	87.4	3.66
	86	8.1	62.0	3.05	67.1	3.55	73.1	4.14	79.5	4.66	81.8	4.77	85.0	4.89	87.4	4.97
		10.2	62.0	2.99	67.1	3.49	73.1	4.07	79.5	4.59	81.8	4.69	85.0	4.81	87.4	4.89
		20.3	62.0	2.76	67.1	3.27	73.1	3.81	79.5	4.29	81.8	4.39	85.0	4.50	87.4	4.60
		25.4	62.0	2.68	67.1	3.19	73.1	3.73	79.5	4.20	81.8	4.31	85.0	4.42	87.4	4.49
		30.5	62.0	2.64	67.1	3.16	73.1	3.69	79.5	4.15	81.8	4.27	85.0	4.38	87.4	4.43
	95	8.1	56.7	3.13	61.4	3.64	66.9	4.24	72.7	4.77	74.9	4.89	77.8	5.01	80.0	5.10
		10.2	56.7	3.07	61.4	3.58	66.9	4.17	72.7	4.69	74.9	4.81	77.8	4.93	80.0	5.02
		20.3	56.7	2.82	61.4	3.35	66.9	3.90	72.7	4.40	74.9	4.50	77.8	4.62	80.0	4.70
		25.4	56.7	2.75	61.4	3.27	66.9	3.82	72.7	4.31	74.9	4.41	77.8	4.53	80.0	4.60
		30.5	56.7	2.71	61.4	3.24	66.9	3.78	72.7	4.26	74.9	4.37	77.8	4.49	80.0	4.54
	104	8.1	51.5	3.37	55.7	3.92	60.7	4.56	66.0	5.14	67.9	5.26	70.6	5.39	72.6	5.48
		10.2	51.5	3.30	55.7	3.85	60.7	4.49	66.0	5.06	67.9	5.17	70.6	5.30	72.6	5.40
		20.3	51.5	3.04	55.7	3.60	60.7	4.20	66.0	4.73	67.9	4.84	70.6	4.97	72.6	5.07
		25.4	51.5	2.96	55.7	3.53	60.7	4.12	66.0	4.63	67.9	4.75	70.6	4.88	72.6	4.95
		30.5	51.5	2.92	55.7	3.49	60.7	4.08	66.0	4.58	67.9	4.70	70.6	4.83	72.6	4.89
	113	8.1	46.3	3.61	50.0	4.19	54.5	4.88	59.3	5.51	60.9	5.63	63.4	5.76	65.2	5.87
		10.2	46.3	3.54	50.0	4.12	54.5	4.80	59.3	5.42	60.9	5.54	63.4	5.67	65.2	5.78
		20.3	46.3	3.26	50.0	3.85	54.5	4.50	59.3	5.07	60.9	5.17	63.4	5.31	65.2	5.43
		25.4	46.3	3.17	50.0	3.78	54.5	4.41	59.3	4.96	60.9	5.08	63.4	5.22	65.2	5.30
		30.5	46.3	3.12	50.0	3.74	54.5	4.37	59.3	4.90	60.9	5.04	63.4	5.17	65.2	5.24
110	23	5.3	59.7	1.21	64.6	1.40	70.3	1.62	76.6	1.83	78.9	1.86	82.1	1.93	84.2	1.95
	32	6.0	59.7	1.21	64.6	1.40	70.3	1.62	76.6	1.83	78.9	1.86	82.1	1.93	84.2	1.95
	41	6.9	59.7	1.21	64.6	1.40	70.3	1.62	76.6	1.83	78.9	1.86	82.1	1.93	84.2	1.95
	50	8.1	59.7	1.21	64.6	1.40	70.3	1.62	76.6	1.83	78.9	1.86	82.1	1.93	84.2	1.95
		10.2	59.7	1.19	64.6	1.38	70.3	1.59	76.6	1.80	78.9	1.84	82.1	1.89	84.2	1.92
		20.3	59.7	1.09	64.6	1.28	70.3	1.50	76.6	1.69	78.9	1.74	82.1	1.76	84.2	1.79
		25.4	59.7	1.05	64.6	1.26	70.3	1.46	76.6	1.66	78.9	1.69	82.1	1.72	84.2	1.77
		30.5	59.7	1.04	64.6	1.24	70.3	1.45	76.6	1.64	78.9	1.67	82.1	1.71	84.2	1.76
	59	8.1	59.4	1.61	64.3	1.88	70.0	2.18	76.1	2.45	78.4	2.51	81.5	2.57	83.7	2.62
		10.2	59.4	1.58	64.3	1.85	70.0	2.14	76.1	2.42	78.4	2.47	81.5	2.53	83.7	2.58
		20.3	59.4	1.46	64.3	1.72	70.0	2.01	76.1	2.26	78.4	2.32	81.5	2.37	83.7	2.42
		25.4	59.4	1.41	64.3	1.68	70.0	1.96	76.1	2.22	78.4	2.27	81.5	2.32	83.7	2.36
		30.5	59.4	1.39	64.3	1.66	70.0	1.94	76.1	2.19	78.4	2.25	81.5	2.30	83.7	2.33
	67	8.1	59.1	1.97	64.0	2.30	69.7	2.68	75.7	3.01	78.0	3.08	81.0	3.15	83.3	3.22
		10.2	59.1	1.94	64.0	2.26	69.7	2.63	75.7	2.96	78.0	3.03	81.0	3.10	83.3	3.17
		20.3	59.1	1.78	64.0	2.11	69.7	2.46	75.7	2.77	78.0	2.83	81.0	2.91	83.3	2.97
		25.4	59.1	1.73	64.0	2.06	69.7	2.41	75.7	2.71	78.0	2.79	81.0	2.86	83.3	2.89
		30.5	59.1	1.70	64.0	2.04	69.7	2.38	75.7	2.69	78.0	2.76	81.0	2.83	83.3	2.84
	75	8.1	59.1	2.42	64.0	2.81	69.7	3.27	75.7	3.69	78.0	3.77	81.0	3.86	83.3	3.93
		10.2	59.1	2.37	64.0	2.77	69.7	3.22	75.7	3.63	78.0	3.71	81.0	3.80	83.3	3.87
		20.3	59.1	2.18	64.0	2.59	69.7	3.01	75.7	3.39	78.0	3.47	81.0	3.56	83.3	3.63
		25.4	59.1	2.12	64.0	2.53	69.7	2.95	75.7	3.32	78.0	3.41	81.0	3.49	83.3	3.54
		30.5	59.1	2.09	64.0	2.51	69.7	2.92	75.7	3.28	78.0	3.38	81.0	3.46	83.3	3.49
	86	8.1	59.1	2.94	64.0	3.43	69.7	3.99	75.7	4.50	78.0	4.60	81.0	4.72	83.3	4.80
		10.2	59.1	2.89	64.0	3.37	69.7	3.93	75.7	4.42	78.0	4.52	81.0	4.64	83.3	4.72
		20.3	59.1	2.66	64.0	3.15	69.7	3.67	75.7	4.13	78.0	4.23	81.0	4.34	83.3	4.42
		25.4	59.1	2.59	64.0	3.08	69.7	3.59	75.7	4.05	78.0	4.15	81.0	4.26	83.3	4.31
		30.5	59.1	2.55	64.0	3.05	69.7	3.55	75.7	4.01	78.0	4.11	81.0	4.22	83.3	4.26
	95	8.1	55.0	3.06	59.6	3.56	64.9	4.15	70.6	4.67	72.7	4.78	75.5	4.90	77.6	4.99
		10.2	55.0	3.00	59.6	3.50	64.9	4.08	70.6	4.60	72.7	4.70	75.5	4.82	77.6	4.91
		20.3	55.0	2.76	59.6	3.27	64.9	3.82	70.6	4.30	72.7	4.41	75.5	4.51	77.6	4.60
		25.4	55.0	2.69	59.6	3.20	64.9	3.74	70.6	4.22	72.7	4.31	75.5	4.43	77.6	4.49
		30.5	55.0	2.65	59.6	3.17	64.9	3.70	70.6	4.17	72.7	4.27	75.5	4.39	77.6	4.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072DAS4, ARWB072DAS4
72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	8.1	51.0	3.37	55.2	3.91	60.2	4.56	65.4	5.13	67.3	5.25	70.0	5.38	71.9	5.48
		10.2	51.0	3.30	55.2	3.84	60.2	4.49	65.4	5.05	67.3	5.16	70.0	5.29	71.9	5.39
		20.3	51.0	3.03	55.2	3.60	60.2	4.19	65.4	4.72	67.3	4.83	70.0	4.96	71.9	5.06
		25.4	51.0	2.95	55.2	3.52	60.2	4.11	65.4	4.63	67.3	4.74	70.0	4.87	71.9	4.93
		30.5	51.0	2.91	55.2	3.48	60.2	4.07	65.4	4.59	67.3	4.69	70.0	4.82	71.9	4.87
	113	8.1	47.0	3.68	50.8	4.25	55.5	4.98	60.2	5.59	61.9	5.72	64.5	5.85	66.2	5.96
		10.2	47.0	3.60	50.8	4.19	55.5	4.89	60.2	5.50	61.9	5.63	64.5	5.76	66.2	5.87
		20.3	47.0	3.30	50.8	3.93	55.5	4.56	60.2	5.15	61.9	5.26	64.5	5.40	66.2	5.52
		25.4	47.0	3.21	50.8	3.84	55.5	4.48	60.2	5.05	61.9	5.16	64.5	5.30	66.2	5.37
		30.5	47.0	3.17	50.8	3.79	55.5	4.44	60.2	5.00	61.9	5.12	64.5	5.25	66.2	5.30
100	23	5.3	56.2	1.13	60.8	1.32	66.2	1.53	72.0	1.71	74.2	1.75	77.0	1.81	79.2	1.85
	32	6.0	56.2	1.13	60.8	1.32	66.2	1.53	72.0	1.71	74.2	1.75	77.0	1.81	79.2	1.85
	41	6.9	56.2	1.13	60.8	1.32	66.2	1.53	72.0	1.71	74.2	1.75	77.0	1.81	79.2	1.85
	50	8.1	56.2	1.13	60.8	1.32	66.2	1.53	72.0	1.71	74.2	1.75	77.0	1.81	79.2	1.85
		10.2	56.2	1.10	60.8	1.30	66.2	1.50	72.0	1.69	74.2	1.73	77.0	1.78	79.2	1.82
		20.3	56.2	1.02	60.8	1.20	66.2	1.41	72.0	1.59	74.2	1.64	77.0	1.67	79.2	1.69
		25.4	56.2	1.00	60.8	1.17	66.2	1.38	72.0	1.55	74.2	1.59	77.0	1.64	79.2	1.66
		30.5	56.2	0.99	60.8	1.16	66.2	1.37	72.0	1.53	74.2	1.57	77.0	1.62	79.2	1.65
	59	8.1	56.2	1.53	60.8	1.78	66.2	2.08	72.0	2.33	74.2	2.39	77.0	2.45	79.2	2.50
		10.2	56.2	1.50	60.8	1.75	66.2	2.04	72.0	2.30	74.2	2.35	77.0	2.42	79.2	2.46
		20.3	56.2	1.38	60.8	1.64	66.2	1.91	72.0	2.15	74.2	2.21	77.0	2.26	79.2	2.30
		25.4	56.2	1.35	60.8	1.60	66.2	1.87	72.0	2.11	74.2	2.16	77.0	2.22	79.2	2.24
		30.5	56.2	1.33	60.8	1.58	66.2	1.85	72.0	2.09	74.2	2.14	77.0	2.19	79.2	2.22
	67	8.1	56.2	1.89	60.8	2.20	66.2	2.57	72.0	2.89	74.2	2.95	77.0	3.02	79.2	3.08
		10.2	56.2	1.85	60.8	2.16	66.2	2.52	72.0	2.84	74.2	2.90	77.0	2.98	79.2	3.03
		20.3	56.2	1.71	60.8	2.03	66.2	2.35	72.0	2.65	74.2	2.71	77.0	2.79	79.2	2.84
		25.4	56.2	1.66	60.8	1.98	66.2	2.31	72.0	2.61	74.2	2.67	77.0	2.73	79.2	2.76
		30.5	56.2	1.63	60.8	1.96	66.2	2.28	72.0	2.58	74.2	2.65	77.0	2.70	79.2	2.72
	75	8.1	56.2	2.31	60.8	2.68	66.2	3.13	72.0	3.52	74.2	3.61	77.0	3.68	79.2	3.76
		10.2	56.2	2.26	60.8	2.64	66.2	3.08	72.0	3.46	74.2	3.55	77.0	3.63	79.2	3.70
		20.3	56.2	2.08	60.8	2.47	66.2	2.88	72.0	3.24	74.2	3.31	77.0	3.40	79.2	3.46
		25.4	56.2	2.03	60.8	2.42	66.2	2.81	72.0	3.17	74.2	3.25	77.0	3.34	79.2	3.36
		30.5	56.2	2.00	60.8	2.39	66.2	2.78	72.0	3.14	74.2	3.22	77.0	3.31	79.2	3.32
	86	8.1	56.2	2.84	60.8	3.30	66.2	3.84	72.0	4.33	74.2	4.43	77.0	4.54	79.2	4.63
		10.2	56.2	2.79	60.8	3.25	66.2	3.78	72.0	4.26	74.2	4.36	77.0	4.47	79.2	4.55
		20.3	56.2	2.56	60.8	3.03	66.2	3.54	72.0	3.98	74.2	4.07	77.0	4.18	79.2	4.25
		25.4	56.2	2.49	60.8	2.97	66.2	3.46	72.0	3.90	74.2	4.00	77.0	4.10	79.2	4.14
		30.5	56.2	2.45	60.8	2.94	66.2	3.43	72.0	3.86	74.2	3.96	77.0	4.06	79.2	4.09
	95	8.1	53.4	3.00	57.8	3.49	62.9	4.06	68.4	4.57	70.5	4.68	73.2	4.79	75.2	4.87
		10.2	53.4	2.94	57.8	3.43	62.9	3.99	68.4	4.50	70.5	4.60	73.2	4.71	75.2	4.79
		20.3	53.4	2.70	57.8	3.20	62.9	3.73	68.4	4.20	70.5	4.31	73.2	4.41	75.2	4.49
		25.4	53.4	2.62	57.8	3.14	62.9	3.65	68.4	4.12	70.5	4.22	73.2	4.33	75.2	4.37
		30.5	53.4	2.58	57.8	3.11	62.9	3.62	68.4	4.08	70.5	4.18	73.2	4.29	75.2	4.31
	104	8.1	50.5	3.36	54.7	3.91	59.6	4.55	64.8	5.12	66.7	5.25	69.3	5.38	71.3	5.47
		10.2	50.5	3.29	54.7	3.84	59.6	4.48	64.8	5.04	66.7	5.16	69.3	5.29	71.3	5.38
		20.3	50.5	3.03	54.7	3.59	59.6	4.19	64.8	4.71	66.7	4.82	69.3	4.95	71.3	5.04
		25.4	50.5	2.95	54.7	3.52	59.6	4.10	64.8	4.62	66.7	4.74	69.3	4.86	71.3	4.90
		30.5	50.5	2.91	54.7	3.48	59.6	4.05	64.8	4.58	66.7	4.70	69.3	4.81	71.3	4.84
	113	8.1	47.6	3.72	51.6	4.33	56.3	5.05	61.2	5.67	62.9	5.82	65.4	5.97	67.4	6.07
		10.2	47.6	3.65	51.6	4.26	56.3	4.97	61.2	5.58	62.9	5.73	65.4	5.87	67.4	5.97
		20.3	47.6	3.36	51.6	3.98	56.3	4.65	61.2	5.23	62.9	5.34	65.4	5.48	67.4	5.59
		25.4	47.6	3.27	51.6	3.90	56.3	4.54	61.2	5.13	62.9	5.26	65.4	5.38	67.4	5.44
		30.5	47.6	3.23	51.6	3.86	56.3	4.49	61.2	5.08	62.9	5.21	65.4	5.33	67.4	5.36
90	23	5.3	50.5	0.98	54.7	1.13	59.6	1.30	64.8	1.48	66.7	1.52	69.3	1.57	71.3	1.59
	32	6.0	50.5	0.98	54.7	1.13	59.6	1.30	64.8	1.48	66.7	1.52	69.3	1.57	71.3	1.59
	41	6.9	50.5	0.98	54.7	1.13	59.6	1.30	64.8	1.48	66.7	1.52	69.3	1.57	71.3	1.59
	50	8.1	50.5	0.98	54.7	1.13	59.6	1.30	64.8	1.48	66.7	1.52	69.3	1.57	71.3	1.59
		10.2	50.5	0.96	54.7	1.11	59.6	1.29	64.8	1.46	66.7	1.50	69.3	1.54	71.3	1.57
		20.3	50.5	0.89	54.7	1.04	59.6	1.22	64.8	1.38	66.7	1.40	69.3	1.44	71.3	1.46
		25.4	50.5	0.85	54.7	1.03	59.6	1.18	64.8	1.34	66.7	1.37	69.3	1.41	71.3	1.42
		30.5	50.5	0.83	54.7	1.02	59.6	1.16	64.8	1.32	66.7	1.36	69.3	1.40	71.3	1.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN072DAS4, ARWB072DAS4
72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	8.1	50.5	1.32	54.7	1.54	59.6	1.78	64.8	2.01	66.7	2.06	69.3	2.11	71.3	2.15
		10.2	50.5	1.29	54.7	1.51	59.6	1.75	64.8	1.98	66.7	2.03	69.3	2.08	71.3	2.12
		20.3	50.5	1.19	54.7	1.41	59.6	1.65	64.8	1.85	66.7	1.90	69.3	1.94	71.3	1.98
		25.4	50.5	1.16	54.7	1.38	59.6	1.61	64.8	1.82	66.7	1.86	69.3	1.91	71.3	1.93
		30.5	50.5	1.14	54.7	1.37	59.6	1.59	64.8	1.80	66.7	1.85	69.3	1.89	71.3	1.90
	67	8.1	50.5	1.62	54.7	1.90	59.6	2.21	64.8	2.48	66.7	2.54	69.3	2.60	71.3	2.65
		10.2	50.5	1.59	54.7	1.86	59.6	2.17	64.8	2.44	66.7	2.50	69.3	2.56	71.3	2.61
		20.3	50.5	1.47	54.7	1.74	59.6	2.03	64.8	2.28	66.7	2.34	69.3	2.40	71.3	2.44
		25.4	50.5	1.43	54.7	1.70	59.6	1.99	64.8	2.24	66.7	2.30	69.3	2.35	71.3	2.38
		30.5	50.5	1.41	54.7	1.68	59.6	1.97	64.8	2.23	66.7	2.28	69.3	2.33	71.3	2.35
	75	8.1	50.5	1.98	54.7	2.31	59.6	2.68	64.8	3.02	66.7	3.10	69.3	3.17	71.3	3.24
		10.2	50.5	1.94	54.7	2.27	59.6	2.64	64.8	2.98	66.7	3.05	69.3	3.12	71.3	3.18
		20.3	50.5	1.79	54.7	2.13	59.6	2.47	64.8	2.79	66.7	2.85	69.3	2.92	71.3	2.98
		25.4	50.5	1.74	54.7	2.08	59.6	2.42	64.8	2.73	66.7	2.80	69.3	2.87	71.3	2.90
		30.5	50.5	1.71	54.7	2.06	59.6	2.40	64.8	2.70	66.7	2.77	69.3	2.84	71.3	2.87
	86	8.1	50.5	2.45	54.7	2.84	59.6	3.31	64.8	3.72	66.7	3.82	69.3	3.91	71.3	3.98
		10.2	50.5	2.40	54.7	2.80	59.6	3.26	64.8	3.66	66.7	3.75	69.3	3.84	71.3	3.92
		20.3	50.5	2.20	54.7	2.61	59.6	3.04	64.8	3.43	66.7	3.51	69.3	3.60	71.3	3.66
		25.4	50.5	2.14	54.7	2.56	59.6	2.98	64.8	3.36	66.7	3.45	69.3	3.53	71.3	3.56
		30.5	50.5	2.12	54.7	2.53	59.6	2.94	64.8	3.32	66.7	3.41	69.3	3.49	71.3	3.51
	95	8.1	49.1	2.64	53.2	3.06	58.0	3.57	63.0	4.02	64.9	4.11	67.4	4.21	69.3	4.29
		10.2	49.1	2.59	53.2	3.01	58.0	3.51	63.0	3.95	64.9	4.04	67.4	4.14	69.3	4.22
		20.3	49.1	2.38	53.2	2.82	58.0	3.28	63.0	3.70	64.9	3.78	67.4	3.88	69.3	3.95
		25.4	49.1	2.31	53.2	2.76	58.0	3.21	63.0	3.63	64.9	3.72	67.4	3.81	69.3	3.84
		30.5	49.1	2.27	53.2	2.73	58.0	3.18	63.0	3.59	64.9	3.69	67.4	3.77	69.3	3.79
	104	8.1	47.7	3.03	51.7	3.52	56.3	4.10	61.2	4.62	63.0	4.72	65.5	4.84	67.3	4.93
		10.2	47.7	2.97	51.7	3.46	56.3	4.03	61.2	4.54	63.0	4.65	65.5	4.77	67.3	4.85
		20.3	47.7	2.73	51.7	3.24	56.3	3.77	61.2	4.24	63.0	4.35	65.5	4.46	67.3	4.54
		25.4	47.7	2.65	51.7	3.17	56.3	3.69	61.2	4.16	63.0	4.27	65.5	4.38	67.3	4.42
		30.5	47.7	2.61	51.7	3.13	56.3	3.65	61.2	4.12	63.0	4.23	65.5	4.34	67.3	4.36
	113	8.1	46.3	3.41	50.2	3.98	54.6	4.63	59.4	5.22	61.1	5.34	63.6	5.48	65.3	5.56
		10.2	46.3	3.35	50.2	3.92	54.6	4.56	59.4	5.13	61.1	5.26	63.6	5.39	65.3	5.47
		20.3	46.3	3.08	50.2	3.65	54.6	4.26	59.4	4.79	61.1	4.92	63.6	5.04	65.3	5.13
		25.4	46.3	2.99	50.2	3.57	54.6	4.17	59.4	4.69	61.1	4.82	63.6	4.95	65.3	5.00
		30.5	46.3	2.95	50.2	3.53	54.6	4.12	59.4	4.65	61.1	4.77	63.6	4.90	65.3	4.94
80	23	5.3	44.9	0.82	48.7	0.94	53.0	1.11	57.6	1.26	59.3	1.27	61.6	1.32	63.4	1.33
	32	6.0	44.9	0.82	48.7	0.94	53.0	1.11	57.6	1.26	59.3	1.27	61.6	1.32	63.4	1.33
	41	6.9	44.9	0.82	48.7	0.94	53.0	1.11	57.6	1.26	59.3	1.27	61.6	1.32	63.4	1.33
	50	8.1	44.9	0.82	48.7	0.94	53.0	1.11	57.6	1.26	59.3	1.27	61.6	1.32	63.4	1.33
		10.2	44.9	0.80	48.7	0.93	53.0	1.09	57.6	1.24	59.3	1.25	61.6	1.30	63.4	1.30
		20.3	44.9	0.73	48.7	0.88	53.0	1.01	57.6	1.15	59.3	1.17	61.6	1.20	63.4	1.22
		25.4	44.9	0.71	48.7	0.85	53.0	0.99	57.6	1.11	59.3	1.14	61.6	1.18	63.4	1.20
		30.5	44.9	0.71	48.7	0.84	53.0	0.98	57.6	1.09	59.3	1.12	61.6	1.18	63.4	1.19
	59	8.1	44.9	1.11	48.7	1.29	53.0	1.50	57.6	1.69	59.3	1.73	61.6	1.78	63.4	1.80
		10.2	44.9	1.09	48.7	1.27	53.0	1.47	57.6	1.66	59.3	1.70	61.6	1.75	63.4	1.77
		20.3	44.9	1.00	48.7	1.18	53.0	1.37	57.6	1.56	59.3	1.59	61.6	1.63	63.4	1.66
		25.4	44.9	0.97	48.7	1.16	53.0	1.35	57.6	1.52	59.3	1.56	61.6	1.60	63.4	1.62
		30.5	44.9	0.95	48.7	1.14	53.0	1.33	57.6	1.50	59.3	1.54	61.6	1.59	63.4	1.60
	67	8.1	44.9	1.37	48.7	1.59	53.0	1.85	57.6	2.08	59.3	2.13	61.6	2.18	63.4	2.23
		10.2	44.9	1.34	48.7	1.56	53.0	1.82	57.6	2.04	59.3	2.10	61.6	2.14	63.4	2.19
		20.3	44.9	1.23	48.7	1.46	53.0	1.70	57.6	1.92	59.3	1.96	61.6	2.01	63.4	2.04
		25.4	44.9	1.19	48.7	1.43	53.0	1.66	57.6	1.88	59.3	1.93	61.6	1.97	63.4	1.99
		30.5	44.9	1.18	48.7	1.42	53.0	1.65	57.6	1.86	59.3	1.91	61.6	1.95	63.4	1.96
	75	8.1	44.9	1.66	48.7	1.93	53.0	2.25	57.6	2.54	59.3	2.60	61.6	2.67	63.4	2.71
		10.2	44.9	1.63	48.7	1.90	53.0	2.22	57.6	2.50	59.3	2.56	61.6	2.62	63.4	2.67
		20.3	44.9	1.50	48.7	1.78	53.0	2.07	57.6	2.33	59.3	2.39	61.6	2.45	63.4	2.50
		25.4	44.9	1.46	48.7	1.75	53.0	2.04	57.6	2.29	59.3	2.34	61.6	2.41	63.4	2.43
		30.5	44.9	1.43	48.7	1.73	53.0	2.02	57.6	2.27	59.3	2.32	61.6	2.38	63.4	2.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	8.1	44.9	2.05	48.7	2.38	53.0	2.78	57.6	3.13	59.3	3.20	61.6	3.27	63.4	3.34
		10.2	44.9	2.01	48.7	2.34	53.0	2.73	57.6	3.08	59.3	3.15	61.6	3.22	63.4	3.28
		20.3	44.9	1.85	48.7	2.19	53.0	2.55	57.6	2.87	59.3	2.94	61.6	3.01	63.4	3.07
		25.4	44.9	1.79	48.7	2.14	53.0	2.50	57.6	2.81	59.3	2.89	61.6	2.96	63.4	2.99
		30.5	44.9	1.76	48.7	2.12	53.0	2.47	57.6	2.79	59.3	2.86	61.6	2.93	63.4	2.94
	95	8.1	44.9	2.28	48.7	2.65	53.0	3.08	57.6	3.46	59.3	3.55	61.6	3.64	63.4	3.70
		10.2	44.9	2.23	48.7	2.61	53.0	3.03	57.6	3.41	59.3	3.49	61.6	3.58	63.4	3.65
		20.3	44.9	2.05	48.7	2.43	53.0	2.83	57.6	3.19	59.3	3.27	61.6	3.35	63.4	3.41
		25.4	44.9	2.00	48.7	2.38	53.0	2.78	57.6	3.13	59.3	3.20	61.6	3.29	63.4	3.32
		30.5	44.9	1.97	48.7	2.35	53.0	2.75	57.6	3.10	59.3	3.17	61.6	3.27	63.4	3.27
	104	8.1	44.9	2.69	48.7	3.14	53.0	3.65	57.6	4.11	59.3	4.20	61.6	4.31	63.4	4.38
		10.2	44.9	2.64	48.7	3.08	53.0	3.59	57.6	4.04	59.3	4.13	61.6	4.24	63.4	4.31
		20.3	44.9	2.43	48.7	2.88	53.0	3.36	57.6	3.78	59.3	3.87	61.6	3.97	63.4	4.04
		25.4	44.9	2.36	48.7	2.82	53.0	3.28	57.6	3.71	59.3	3.80	61.6	3.89	63.4	3.93
		30.5	44.9	2.32	48.7	2.80	53.0	3.25	57.6	3.67	59.3	3.76	61.6	3.85	63.4	3.88
	113	8.1	44.9	3.11	48.7	3.63	53.0	4.22	57.6	4.75	59.3	4.85	61.6	4.98	63.4	5.06
		10.2	44.9	3.05	48.7	3.56	53.0	4.15	57.6	4.68	59.3	4.78	61.6	4.90	63.4	4.98
		20.3	44.9	2.81	48.7	3.32	53.0	3.88	57.6	4.37	59.3	4.48	61.6	4.60	63.4	4.68
		25.4	44.9	2.72	48.7	3.27	53.0	3.79	57.6	4.29	59.3	4.40	61.6	4.49	63.4	4.55
		30.5	44.9	2.68	48.7	3.24	53.0	3.75	57.6	4.25	59.3	4.36	61.6	4.43	63.4	4.49
70	23	5.3	39.3	0.68	42.6	0.79	46.4	0.93	50.4	1.05	51.9	1.05	53.9	1.09	55.4	1.10
	32	6.0	39.3	0.68	42.6	0.79	46.4	0.93	50.4	1.05	51.9	1.05	53.9	1.09	55.4	1.10
	41	6.9	39.3	0.68	42.6	0.79	46.4	0.93	50.4	1.05	51.9	1.05	53.9	1.09	55.4	1.10
	50	8.1	39.3	0.68	42.6	0.79	46.4	0.93	50.4	1.05	51.9	1.05	53.9	1.09	55.4	1.10
		10.2	39.3	0.67	42.6	0.77	46.4	0.91	50.4	1.03	51.9	1.03	53.9	1.07	55.4	1.09
		20.3	39.3	0.62	42.6	0.73	46.4	0.85	50.4	0.96	51.9	0.97	53.9	1.00	55.4	1.03
		25.4	39.3	0.59	42.6	0.70	46.4	0.83	50.4	0.93	51.9	0.95	53.9	0.98	55.4	1.00
		30.5	39.3	0.58	42.6	0.69	46.4	0.81	50.4	0.92	51.9	0.93	53.9	0.98	55.4	0.99
	59	8.1	39.3	0.92	42.6	1.07	46.4	1.25	50.4	1.41	51.9	1.43	53.9	1.47	55.4	1.50
		10.2	39.3	0.90	42.6	1.05	46.4	1.23	50.4	1.38	51.9	1.41	53.9	1.45	55.4	1.47
		20.3	39.3	0.83	42.6	0.99	46.4	1.15	50.4	1.29	51.9	1.32	53.9	1.36	55.4	1.38
		25.4	39.3	0.81	42.6	0.96	46.4	1.12	50.4	1.27	51.9	1.29	53.9	1.33	55.4	1.35
		30.5	39.3	0.79	42.6	0.95	46.4	1.11	50.4	1.25	51.9	1.28	53.9	1.32	55.4	1.33
	67	8.1	39.3	1.14	42.6	1.31	46.4	1.54	50.4	1.73	51.9	1.78	53.9	1.81	55.4	1.85
		10.2	39.3	1.11	42.6	1.29	46.4	1.51	50.4	1.70	51.9	1.75	53.9	1.78	55.4	1.82
		20.3	39.3	1.02	42.6	1.21	46.4	1.41	50.4	1.59	51.9	1.63	53.9	1.67	55.4	1.70
		25.4	39.3	1.00	42.6	1.18	46.4	1.38	50.4	1.56	51.9	1.60	53.9	1.64	55.4	1.66
		30.5	39.3	0.98	42.6	1.17	46.4	1.37	50.4	1.55	51.9	1.59	53.9	1.62	55.4	1.63
	75	8.1	39.3	1.38	42.6	1.61	46.4	1.87	50.4	2.11	51.9	2.16	53.9	2.22	55.4	2.25
		10.2	39.3	1.36	42.6	1.58	46.4	1.85	50.4	2.08	51.9	2.13	53.9	2.18	55.4	2.22
		20.3	39.3	1.25	42.6	1.48	46.4	1.73	50.4	1.94	51.9	1.99	53.9	2.04	55.4	2.07
		25.4	39.3	1.21	42.6	1.45	46.4	1.69	50.4	1.90	51.9	1.95	53.9	2.00	55.4	2.02
		30.5	39.3	1.19	42.6	1.43	46.4	1.67	50.4	1.88	51.9	1.94	53.9	1.98	55.4	1.99
	86	8.1	39.3	1.71	42.6	1.98	46.4	2.31	50.4	2.59	51.9	2.66	53.9	2.72	55.4	2.77
		10.2	39.3	1.67	42.6	1.94	46.4	2.27	50.4	2.55	51.9	2.61	53.9	2.68	55.4	2.72
		20.3	39.3	1.54	42.6	1.82	46.4	2.12	50.4	2.39	51.9	2.44	53.9	2.51	55.4	2.55
		25.4	39.3	1.49	42.6	1.78	46.4	2.08	50.4	2.34	51.9	2.40	53.9	2.46	55.4	2.49
		30.5	39.3	1.47	42.6	1.76	46.4	2.06	50.4	2.32	51.9	2.37	53.9	2.44	55.4	2.46
	95	8.1	39.3	1.89	42.6	2.20	46.4	2.57	50.4	2.89	51.9	2.95	53.9	3.02	55.4	3.08
		10.2	39.3	1.85	42.6	2.16	46.4	2.52	50.4	2.84	51.9	2.90	53.9	2.98	55.4	3.03
		20.3	39.3	1.71	42.6	2.03	46.4	2.35	50.4	2.65	51.9	2.71	53.9	2.79	55.4	2.84
		25.4	39.3	1.66	42.6	1.98	46.4	2.31	50.4	2.61	51.9	2.67	53.9	2.73	55.4	2.76
		30.5	39.3	1.63	42.6	1.96	46.4	2.28	50.4	2.58	51.9	2.65	53.9	2.70	55.4	2.72
	104	8.1	39.3	2.24	42.6	2.60	46.4	3.04	50.4	3.41	51.9	3.49	53.9	3.58	55.4	3.65
		10.2	39.3	2.20	42.6	2.56	46.4	2.99	50.4	3.36	51.9	3.44	53.9	3.53	55.4	3.59
		20.3	39.3	2.02	42.6	2.40	46.4	2.79	50.4	3.14	51.9	3.22	53.9	3.30	55.4	3.36
		25.4	39.3	1.96	42.6	2.34	46.4	2.73	50.4	3.08	51.9	3.16	53.9	3.24	55.4	3.27
		30.5	39.3	1.94	42.6	2.32	46.4	2.70	50.4	3.06	51.9	3.13	53.9	3.21	55.4	3.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	8.1	39.3	2.60	42.6	3.01	46.4	3.50	50.4	3.93	51.9	4.03	53.9	4.15	55.4	4.22
		10.2	39.3	2.54	42.6	2.96	46.4	3.45	50.4	3.87	51.9	3.97	53.9	4.08	55.4	4.15
		20.3	39.3	2.32	42.6	2.77	46.4	3.22	50.4	3.63	51.9	3.73	53.9	3.82	55.4	3.87
		25.4	39.3	2.27	42.6	2.70	46.4	3.16	50.4	3.56	51.9	3.65	53.9	3.74	55.4	3.79
		30.5	39.3	2.24	42.6	2.67	46.4	3.13	50.4	3.53	51.9	3.60	53.9	3.71	55.4	3.75
60	23	5.3	33.7	0.55	36.5	0.64	39.7	0.74	43.2	0.83	44.5	0.85	46.2	0.88	47.5	0.88
	32	6.0	33.7	0.55	36.5	0.64	39.7	0.74	43.2	0.83	44.5	0.85	46.2	0.88	47.5	0.88
	41	6.9	33.7	0.55	36.5	0.64	39.7	0.74	43.2	0.83	44.5	0.85	46.2	0.88	47.5	0.88
	50	8.1	33.7	0.55	36.5	0.64	39.7	0.74	43.2	0.83	44.5	0.85	46.2	0.88	47.5	0.88
		10.2	33.7	0.54	36.5	0.63	39.7	0.72	43.2	0.82	44.5	0.84	46.2	0.86	47.5	0.87
		20.3	33.7	0.49	36.5	0.58	39.7	0.67	43.2	0.77	44.5	0.76	46.2	0.79	47.5	0.82
		25.4	33.7	0.47	36.5	0.57	39.7	0.66	43.2	0.75	44.5	0.76	46.2	0.77	47.5	0.78
		30.5	33.7	0.46	36.5	0.56	39.7	0.66	43.2	0.74	44.5	0.75	46.2	0.76	47.5	0.76
	59	8.1	33.7	0.74	36.5	0.85	39.7	0.99	43.2	1.12	44.5	1.15	46.2	1.18	47.5	1.19
		10.2	33.7	0.72	36.5	0.84	39.7	0.98	43.2	1.10	44.5	1.13	46.2	1.16	47.5	1.18
		20.3	33.7	0.66	36.5	0.79	39.7	0.91	43.2	1.03	44.5	1.05	46.2	1.08	47.5	1.10
		25.4	33.7	0.64	36.5	0.77	39.7	0.90	43.2	1.01	44.5	1.03	46.2	1.06	47.5	1.07
		30.5	33.7	0.63	36.5	0.76	39.7	0.89	43.2	1.00	44.5	1.02	46.2	1.05	47.5	1.05
	67	8.1	33.7	0.90	36.5	1.05	39.7	1.22	43.2	1.38	44.5	1.42	46.2	1.44	47.5	1.47
		10.2	33.7	0.89	36.5	1.03	39.7	1.20	43.2	1.36	44.5	1.39	46.2	1.42	47.5	1.45
		20.3	33.7	0.81	36.5	0.97	39.7	1.13	43.2	1.27	44.5	1.30	46.2	1.33	47.5	1.36
		25.4	33.7	0.80	36.5	0.95	39.7	1.10	43.2	1.25	44.5	1.28	46.2	1.31	47.5	1.32
		30.5	33.7	0.79	36.5	0.94	39.7	1.09	43.2	1.24	44.5	1.26	46.2	1.30	47.5	1.30
	75	8.1	33.7	1.11	36.5	1.28	39.7	1.49	43.2	1.68	44.5	1.72	46.2	1.76	47.5	1.79
		10.2	33.7	1.09	36.5	1.26	39.7	1.47	43.2	1.66	44.5	1.69	46.2	1.74	47.5	1.76
		20.3	33.7	1.00	36.5	1.18	39.7	1.37	43.2	1.55	44.5	1.58	46.2	1.63	47.5	1.66
		25.4	33.7	0.97	36.5	1.16	39.7	1.35	43.2	1.52	44.5	1.56	46.2	1.59	47.5	1.61
		30.5	33.7	0.95	36.5	1.15	39.7	1.33	43.2	1.51	44.5	1.54	46.2	1.57	47.5	1.59
	86	8.1	33.7	1.36	36.5	1.58	39.7	1.84	43.2	2.07	44.5	2.11	46.2	2.17	47.5	2.21
		10.2	33.7	1.33	36.5	1.56	39.7	1.81	43.2	2.04	44.5	2.08	46.2	2.13	47.5	2.17
		20.3	33.7	1.22	36.5	1.45	39.7	1.69	43.2	1.90	44.5	1.94	46.2	2.00	47.5	2.04
		25.4	33.7	1.19	36.5	1.42	39.7	1.66	43.2	1.86	44.5	1.91	46.2	1.96	47.5	1.98
		30.5	33.7	1.18	36.5	1.41	39.7	1.64	43.2	1.85	44.5	1.89	46.2	1.94	47.5	1.95
	95	8.1	33.7	1.50	36.5	1.76	39.7	2.04	43.2	2.30	44.5	2.35	46.2	2.41	47.5	2.45
		10.2	33.7	1.47	36.5	1.73	39.7	2.01	43.2	2.26	44.5	2.32	46.2	2.37	47.5	2.42
		20.3	33.7	1.36	36.5	1.61	39.7	1.88	43.2	2.12	44.5	2.16	46.2	2.23	47.5	2.26
		25.4	33.7	1.32	36.5	1.57	39.7	1.84	43.2	2.07	44.5	2.13	46.2	2.18	47.5	2.20
		30.5	33.7	1.30	36.5	1.56	39.7	1.81	43.2	2.05	44.5	2.11	46.2	2.16	47.5	2.17
	104	8.1	33.7	1.79	36.5	2.08	39.7	2.42	43.2	2.72	44.5	2.79	46.2	2.86	47.5	2.90
		10.2	33.7	1.75	36.5	2.04	39.7	2.38	43.2	2.68	44.5	2.74	46.2	2.81	47.5	2.86
		20.3	33.7	1.61	36.5	1.91	39.7	2.23	43.2	2.51	44.5	2.56	46.2	2.63	47.5	2.68
		25.4	33.7	1.56	36.5	1.87	39.7	2.18	43.2	2.45	44.5	2.51	46.2	2.58	47.5	2.61
		30.5	33.7	1.54	36.5	1.85	39.7	2.16	43.2	2.42	44.5	2.49	46.2	2.55	47.5	2.57
	113	8.1	33.7	2.08	36.5	2.40	39.7	2.80	43.2	3.14	44.5	3.22	46.2	3.31	47.5	3.35
		10.2	33.7	2.04	36.5	2.36	39.7	2.75	43.2	3.09	44.5	3.17	46.2	3.26	47.5	3.30
		20.3	33.7	1.86	36.5	2.21	39.7	2.57	43.2	2.89	44.5	2.96	46.2	3.04	47.5	3.09
		25.4	33.7	1.81	36.5	2.17	39.7	2.52	43.2	2.83	44.5	2.90	46.2	2.98	47.5	3.01
		30.5	33.7	1.78	36.5	2.15	39.7	2.50	43.2	2.80	44.5	2.88	46.2	2.94	47.5	2.97
50	23	5.3	28.1	0.40	30.4	0.47	33.1	0.56	36.0	0.62	37.1	0.63	38.5	0.65	39.6	0.66
	32	6.0	28.1	0.40	30.4	0.47	33.1	0.56	36.0	0.62	37.1	0.63	38.5	0.65	39.6	0.66
	41	6.9	28.1	0.40	30.4	0.47	33.1	0.56	36.0	0.62	37.1	0.63	38.5	0.65	39.6	0.66
	50	8.1	28.1	0.40	30.4	0.47	33.1	0.56	36.0	0.62	37.1	0.63	38.5	0.65	39.6	0.66
		10.2	28.1	0.39	30.4	0.46	33.1	0.55	36.0	0.61	37.1	0.62	38.5	0.64	39.6	0.65
		20.3	28.1	0.38	30.4	0.44	33.1	0.50	36.0	0.57	37.1	0.58	38.5	0.59	39.6	0.61
		25.4	28.1	0.36	30.4	0.42	33.1	0.50	36.0	0.55	37.1	0.57	38.5	0.57	39.6	0.58
		30.5	28.1	0.35	30.4	0.41	33.1	0.50	36.0	0.54	37.1	0.56	38.5	0.56	39.6	0.57
	59	8.1	28.1	0.54	30.4	0.63	33.1	0.75	36.0	0.84	37.1	0.85	38.5	0.87	39.6	0.89
		10.2	28.1	0.53	30.4	0.62	33.1	0.73	36.0	0.82	37.1	0.84	38.5	0.86	39.6	0.88
		20.3	28.1	0.50	30.4	0.59	33.1	0.68	36.0	0.77	37.1	0.79	38.5	0.81	39.6	0.82
		25.4	28.1	0.48	30.4	0.57	33.1	0.67	36.0	0.75	37.1	0.77	38.5	0.79	39.6	0.80
		30.5	28.1	0.47	30.4	0.56	33.1	0.66	36.0	0.74	37.1	0.76	38.5	0.78	39.6	0.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	8.1	28.1	0.67	30.4	0.78	33.1	0.91	36.0	1.03	37.1	1.06	38.5	1.07	39.6	1.09
		10.2	28.1	0.66	30.4	0.77	33.1	0.90	36.0	1.01	37.1	1.04	38.5	1.06	39.6	1.08
		20.3	28.1	0.61	30.4	0.72	33.1	0.84	36.0	0.95	37.1	0.97	38.5	1.00	39.6	1.01
		25.4	28.1	0.59	30.4	0.71	33.1	0.82	36.0	0.93	37.1	0.95	38.5	0.98	39.6	0.99
		30.5	28.1	0.58	30.4	0.70	33.1	0.81	36.0	0.92	37.1	0.94	38.5	0.97	39.6	0.97
	75	8.1	28.1	0.82	30.4	0.96	33.1	1.11	36.0	1.25	37.1	1.29	38.5	1.31	39.6	1.34
		10.2	28.1	0.81	30.4	0.94	33.1	1.09	36.0	1.23	37.1	1.27	38.5	1.29	39.6	1.32
		20.3	28.1	0.74	30.4	0.88	33.1	1.02	36.0	1.16	37.1	1.18	38.5	1.21	39.6	1.23
		25.4	28.1	0.72	30.4	0.86	33.1	1.00	36.0	1.13	37.1	1.16	38.5	1.18	39.6	1.20
		30.5	28.1	0.71	30.4	0.85	33.1	1.00	36.0	1.12	37.1	1.14	38.5	1.17	39.6	1.19
	86	8.1	28.1	1.02	30.4	1.18	33.1	1.37	36.0	1.54	37.1	1.58	38.5	1.62	39.6	1.64
		10.2	28.1	1.00	30.4	1.16	33.1	1.35	36.0	1.52	37.1	1.56	38.5	1.59	39.6	1.62
		20.3	28.1	0.91	30.4	1.09	33.1	1.26	36.0	1.42	37.1	1.46	38.5	1.49	39.6	1.52
		25.4	28.1	0.89	30.4	1.06	33.1	1.23	36.0	1.39	37.1	1.43	38.5	1.47	39.6	1.47
		30.5	28.1	0.87	30.4	1.04	33.1	1.22	36.0	1.38	37.1	1.42	38.5	1.45	39.6	1.45
	95	8.1	28.1	1.13	30.4	1.31	33.1	1.53	36.0	1.71	37.1	1.76	38.5	1.80	39.6	1.83
		10.2	28.1	1.10	30.4	1.28	33.1	1.50	36.0	1.68	37.1	1.73	38.5	1.77	39.6	1.80
		20.3	28.1	1.01	30.4	1.20	33.1	1.40	36.0	1.57	37.1	1.61	38.5	1.66	39.6	1.68
		25.4	28.1	0.99	30.4	1.18	33.1	1.37	36.0	1.55	37.1	1.58	38.5	1.63	39.6	1.64
		30.5	28.1	0.97	30.4	1.16	33.1	1.36	36.0	1.53	37.1	1.57	38.5	1.61	39.6	1.61
	104	8.1	28.1	1.33	30.4	1.54	33.1	1.80	36.0	2.03	37.1	2.08	38.5	2.13	39.6	2.17
		10.2	28.1	1.30	30.4	1.52	33.1	1.77	36.0	2.00	37.1	2.04	38.5	2.10	39.6	2.13
		20.3	28.1	1.20	30.4	1.42	33.1	1.66	36.0	1.86	37.1	1.91	38.5	1.96	39.6	2.00
		25.4	28.1	1.17	30.4	1.39	33.1	1.63	36.0	1.83	37.1	1.87	38.5	1.93	39.6	1.94
		30.5	28.1	1.15	30.4	1.38	33.1	1.61	36.0	1.81	37.1	1.85	38.5	1.91	39.6	1.92
	113	8.1	28.1	1.53	30.4	1.78	33.1	2.08	36.0	2.36	37.1	2.40	38.5	2.46	39.6	2.51
		10.2	28.1	1.50	30.4	1.75	33.1	2.04	36.0	2.32	37.1	2.36	38.5	2.42	39.6	2.47
		20.3	28.1	1.39	30.4	1.64	33.1	1.91	36.0	2.15	37.1	2.21	38.5	2.27	39.6	2.32
		25.4	28.1	1.35	30.4	1.61	33.1	1.88	36.0	2.11	37.1	2.16	38.5	2.23	39.6	2.25
		30.5	28.1	1.33	30.4	1.60	33.1	1.87	36.0	2.09	37.1	2.14	38.5	2.20	39.6	2.22

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	6.7	89.3	1.82	96.7	2.13	105.2	2.48	114.3	2.78	117.8	2.84	122.5	2.94	125.9	2.98
	32	7.5	89.3	1.82	96.7	2.13	105.2	2.48	114.3	2.78	117.8	2.84	122.5	2.94	125.9	2.98
	41	8.6	89.3	1.82	96.7	2.13	105.2	2.48	114.3	2.78	117.8	2.84	122.5	2.94	125.9	2.98
	50	10.2	89.3	1.82	96.7	2.13	105.2	2.48	114.3	2.78	117.8	2.84	122.5	2.94	125.9	2.98
		12.7	89.3	1.78	96.7	2.09	105.2	2.44	114.3	2.74	117.8	2.80	122.5	2.89	125.9	2.93
		25.4	89.3	1.65	96.7	1.94	105.2	2.27	114.3	2.56	117.8	2.63	122.5	2.69	125.9	2.75
		31.8	89.3	1.61	96.7	1.91	105.2	2.23	114.3	2.50	117.8	2.58	122.5	2.64	125.9	2.68
		38.1	89.3	1.58	96.7	1.90	105.2	2.21	114.3	2.47	117.8	2.55	122.5	2.62	125.9	2.64
	59	10.2	87.8	2.39	95.1	2.79	103.5	3.25	112.5	3.65	115.9	3.74	120.4	3.84	123.8	3.90
		12.7	87.8	2.35	95.1	2.74	103.5	3.20	112.5	3.59	115.9	3.68	120.4	3.78	123.8	3.84
		25.4	87.8	2.16	95.1	2.56	103.5	2.99	112.5	3.36	115.9	3.45	120.4	3.54	123.8	3.61
		31.8	87.8	2.11	95.1	2.51	103.5	2.93	112.5	3.29	115.9	3.38	120.4	3.47	123.8	3.53
		38.1	87.8	2.08	95.1	2.49	103.5	2.90	112.5	3.26	115.9	3.35	120.4	3.43	123.8	3.48
	67	10.2	86.5	2.91	93.7	3.38	102.0	3.94	110.9	4.43	114.2	4.54	118.6	4.64	122.0	4.73
		12.7	86.5	2.85	93.7	3.32	102.0	3.87	110.9	4.36	114.2	4.46	118.6	4.57	122.0	4.66
		25.4	86.5	2.62	93.7	3.11	102.0	3.62	110.9	4.08	114.2	4.17	118.6	4.29	122.0	4.38
		31.8	86.5	2.55	93.7	3.04	102.0	3.55	110.9	4.00	114.2	4.10	118.6	4.20	122.0	4.28
		38.1	86.5	2.52	93.7	3.01	102.0	3.51	110.9	3.96	114.2	4.06	118.6	4.16	122.0	4.23
	75	10.2	86.5	3.59	93.7	4.16	102.0	4.85	110.9	5.47	114.2	5.60	118.6	5.73	122.0	5.83
		12.7	86.5	3.52	93.7	4.10	102.0	4.77	110.9	5.38	114.2	5.51	118.6	5.64	122.0	5.74
		25.4	86.5	3.24	93.7	3.84	102.0	4.46	110.9	5.02	114.2	5.15	118.6	5.29	122.0	5.39
		31.8	86.5	3.14	93.7	3.75	102.0	4.38	110.9	4.93	114.2	5.05	118.6	5.19	122.0	5.27
		38.1	86.5	3.09	93.7	3.70	102.0	4.33	110.9	4.88	114.2	5.00	118.6	5.13	122.0	5.22
	86	10.2	86.5	4.31	93.7	5.00	102.0	5.82	110.9	6.56	114.2	6.72	118.6	6.88	122.0	6.99
		12.7	86.5	4.22	93.7	4.92	102.0	5.73	110.9	6.45	114.2	6.61	118.6	6.77	122.0	6.89
		25.4	86.5	3.87	93.7	4.60	102.0	5.36	110.9	6.03	114.2	6.18	118.6	6.35	122.0	6.47
		31.8	86.5	3.77	93.7	4.50	102.0	5.25	110.9	5.91	114.2	6.07	118.6	6.22	122.0	6.33
		38.1	86.5	3.71	93.7	4.45	102.0	5.19	110.9	5.85	114.2	6.01	118.6	6.16	122.0	6.25
	95	10.2	77.9	4.35	84.3	5.06	91.8	5.89	99.8	6.63	102.8	6.80	106.8	6.96	109.8	7.07
		12.7	77.9	4.26	84.3	4.98	91.8	5.80	99.8	6.52	102.8	6.69	106.8	6.85	109.8	6.97
		25.4	77.9	3.92	84.3	4.65	91.8	5.42	99.8	6.11	102.8	6.25	106.8	6.41	109.8	6.55
		31.8	77.9	3.82	84.3	4.55	91.8	5.30	99.8	5.98	102.8	6.13	106.8	6.29	109.8	6.40
		38.1	77.9	3.76	84.3	4.50	91.8	5.25	99.8	5.92	102.8	6.08	106.8	6.23	109.8	6.32
	104	10.2	69.2	4.59	75.0	5.33	81.6	6.22	88.7	6.99	91.4	7.15	94.9	7.33	97.6	7.46
		12.7	69.2	4.50	75.0	5.25	81.6	6.12	88.7	6.88	91.4	7.04	94.9	7.22	97.6	7.35
		25.4	69.2	4.13	75.0	4.91	81.6	5.72	88.7	6.43	91.4	6.60	94.9	6.77	97.6	6.91
		31.8	69.2	4.02	75.0	4.80	81.6	5.59	88.7	6.31	91.4	6.47	94.9	6.64	97.6	6.75
		38.1	69.2	3.96	75.0	4.75	81.6	5.53	88.7	6.25	91.4	6.41	94.9	6.57	97.6	6.67
	113	10.2	60.5	4.84	65.7	5.60	71.4	6.54	77.6	7.36	80.0	7.51	83.0	7.70	85.4	7.86
		12.7	60.5	4.74	65.7	5.52	71.4	6.43	77.6	7.24	80.0	7.40	83.0	7.58	85.4	7.74
		25.4	60.5	4.35	65.7	5.17	71.4	6.02	77.6	6.76	80.0	6.95	83.0	7.13	85.4	7.26
		31.8	60.5	4.22	65.7	5.05	71.4	5.88	77.6	6.64	80.0	6.81	83.0	6.98	85.4	7.11
		38.1	60.5	4.16	65.7	4.99	71.4	5.82	77.6	6.57	80.0	6.74	83.0	6.91	85.4	7.03
120	23	6.7	84.5	1.73	91.4	2.02	99.6	2.34	108.3	2.63	111.5	2.72	115.9	2.78	119.1	2.81
	32	7.5	84.5	1.73	91.4	2.02	99.6	2.34	108.3	2.63	111.5	2.72	115.9	2.78	119.1	2.81
	41	8.6	84.5	1.73	91.4	2.02	99.6	2.34	108.3	2.63	111.5	2.72	115.9	2.78	119.1	2.81
	50	10.2	84.5	1.73	91.4	2.02	99.6	2.34	108.3	2.63	111.5	2.72	115.9	2.78	119.1	2.81
		12.7	84.5	1.70	91.4	1.99	99.6	2.30	108.3	2.59	111.5	2.67	115.9	2.73	119.1	2.77
		25.4	84.5	1.56	91.4	1.86	99.6	2.16	108.3	2.42	111.5	2.48	115.9	2.54	119.1	2.60
		31.8	84.5	1.51	91.4	1.80	99.6	2.12	108.3	2.37	111.5	2.44	115.9	2.50	119.1	2.55
		38.1	84.5	1.49	91.4	1.77	99.6	2.09	108.3	2.34	111.5	2.42	115.9	2.48	119.1	2.52
	59	10.2	83.5	2.30	90.4	2.67	98.5	3.10	107.0	3.50	110.2	3.58	114.5	3.67	117.7	3.73
		12.7	83.5	2.25	90.4	2.63	98.5	3.05	107.0	3.44	110.2	3.53	114.5	3.61	117.7	3.67
		25.4	83.5	2.07	90.4	2.45	98.5	2.86	107.0	3.22	110.2	3.29	114.5	3.38	117.7	3.45
		31.8	83.5	2.01	90.4	2.40	98.5	2.80	107.0	3.15	110.2	3.24	114.5	3.31	117.7	3.37
		38.1	83.5	1.98	90.4	2.37	98.5	2.77	107.0	3.12	110.2	3.21	114.5	3.28	117.7	3.33
	67	10.2	82.6	2.80	89.5	3.25	97.5	3.78	105.9	4.26	109.1	4.36	113.3	4.46	116.5	4.54
		12.7	82.6	2.74	89.5	3.20	97.5	3.72	105.9	4.19	109.1	4.29	113.3	4.40	116.5	4.47
		25.4	82.6	2.52	89.5	2.99	97.5	3.48	105.9	3.92	109.1	4.02	113.3	4.13	116.5	4.20
		31.8	82.6	2.45	89.5	2.93	97.5	3.41	105.9	3.84	109.1	3.94	113.3	4.04	116.5	4.11
		38.1	82.6	2.42	89.5	2.90	97.5	3.38	105.9	3.81	109.1	3.90	113.3	3.99	116.5	4.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	10.2	82.6	3.44	89.5	4.00	97.5	4.65	105.9	5.23	109.1	5.36	113.3	5.50	116.5	5.59
		12.7	82.6	3.37	89.5	3.93	97.5	4.58	105.9	5.15	109.1	5.27	113.3	5.41	116.5	5.51
		25.4	82.6	3.10	89.5	3.67	97.5	4.28	105.9	4.82	109.1	4.94	113.3	5.06	116.5	5.17
		31.8	82.6	3.01	89.5	3.59	97.5	4.19	105.9	4.72	109.1	4.84	113.3	4.97	116.5	5.04
		38.1	82.6	2.97	89.5	3.55	97.5	4.15	105.9	4.68	109.1	4.79	113.3	4.92	116.5	4.98
	86	10.2	82.6	4.15	89.5	4.83	97.5	5.63	105.9	6.33	109.1	6.48	113.3	6.65	116.5	6.76
		12.7	82.6	4.07	89.5	4.75	97.5	5.54	105.9	6.23	109.1	6.38	113.3	6.54	116.5	6.66
		25.4	82.6	3.75	89.5	4.44	97.5	5.17	105.9	5.83	109.1	5.97	113.3	6.12	116.5	6.24
		31.8	82.6	3.64	89.5	4.35	97.5	5.06	105.9	5.71	109.1	5.85	113.3	6.01	116.5	6.10
		38.1	82.6	3.59	89.5	4.30	97.5	5.01	105.9	5.65	109.1	5.80	113.3	5.95	116.5	6.02
	95	10.2	75.6	4.26	81.9	4.95	89.2	5.76	96.9	6.49	99.8	6.65	103.7	6.80	106.6	6.93
		12.7	75.6	4.17	81.9	4.87	89.2	5.67	96.9	6.39	99.8	6.54	103.7	6.69	106.6	6.82
		25.4	75.6	3.84	81.9	4.55	89.2	5.30	96.9	5.97	99.8	6.12	103.7	6.28	106.6	6.40
		31.8	75.6	3.73	81.9	4.45	89.2	5.20	96.9	5.85	99.8	6.00	103.7	6.15	106.6	6.25
		38.1	75.6	3.68	81.9	4.40	89.2	5.14	96.9	5.80	99.8	5.94	103.7	6.09	106.6	6.18
	104	10.2	68.6	4.58	74.3	5.32	80.9	6.21	88.0	6.98	90.6	7.15	94.1	7.32	96.7	7.46
		12.7	68.6	4.49	74.3	5.24	80.9	6.11	88.0	6.87	90.6	7.03	94.1	7.21	96.7	7.34
		25.4	68.6	4.13	74.3	4.90	80.9	5.71	88.0	6.42	90.6	6.58	94.1	6.75	96.7	6.89
		31.8	68.6	4.02	74.3	4.79	80.9	5.59	88.0	6.30	90.6	6.46	94.1	6.63	96.7	6.72
		38.1	68.6	3.96	74.3	4.74	80.9	5.54	88.0	6.24	90.6	6.40	94.1	6.56	96.7	6.64
	113	10.2	61.6	4.91	66.7	5.69	72.6	6.65	79.1	7.47	81.4	7.65	84.5	7.84	86.8	7.99
		12.7	61.6	4.81	66.7	5.60	72.6	6.54	79.1	7.35	81.4	7.53	84.5	7.72	86.8	7.86
		25.4	61.6	4.43	66.7	5.25	72.6	6.12	79.1	6.88	81.4	7.04	84.5	7.23	86.8	7.38
		31.8	61.6	4.31	66.7	5.13	72.6	5.99	79.1	6.74	81.4	6.93	84.5	7.10	86.8	7.20
		38.1	61.6	4.25	66.7	5.07	72.6	5.93	79.1	6.68	81.4	6.87	84.5	7.04	86.8	7.10
110	23	6.7	79.6	1.63	86.4	1.89	94.0	2.22	102.1	2.49	105.1	2.54	109.3	2.62	112.2	2.66
	32	7.5	79.6	1.63	86.4	1.89	94.0	2.22	102.1	2.49	105.1	2.54	109.3	2.62	112.2	2.66
	41	8.6	79.6	1.63	86.4	1.89	94.0	2.22	102.1	2.49	105.1	2.54	109.3	2.62	112.2	2.66
	50	10.2	79.6	1.63	86.4	1.89	94.0	2.22	102.1	2.49	105.1	2.54	109.3	2.62	112.2	2.66
		12.7	79.6	1.60	86.4	1.86	94.0	2.18	102.1	2.45	105.1	2.50	109.3	2.58	112.2	2.62
		25.4	79.6	1.47	86.4	1.74	94.0	2.03	102.1	2.29	105.1	2.36	109.3	2.41	112.2	2.45
		31.8	79.6	1.43	86.4	1.70	94.0	1.98	102.1	2.25	105.1	2.29	109.3	2.36	112.2	2.39
		38.1	79.6	1.41	86.4	1.68	94.0	1.96	102.1	2.24	105.1	2.25	109.3	2.34	112.2	2.36
	59	10.2	79.2	2.19	85.8	2.54	93.4	2.97	101.5	3.34	104.5	3.42	108.6	3.50	111.6	3.56
		12.7	79.2	2.14	85.8	2.50	93.4	2.92	101.5	3.28	104.5	3.36	108.6	3.45	111.6	3.51
		25.4	79.2	1.97	85.8	2.34	93.4	2.72	101.5	3.07	104.5	3.15	108.6	3.23	111.6	3.28
		31.8	79.2	1.92	85.8	2.29	93.4	2.67	101.5	3.01	104.5	3.08	108.6	3.17	111.6	3.21
		38.1	79.2	1.90	85.8	2.27	93.4	2.64	101.5	2.98	104.5	3.05	108.6	3.14	111.6	3.17
	67	10.2	78.8	2.68	85.3	3.12	92.9	3.63	101.0	4.09	104.0	4.19	108.0	4.29	111.1	4.37
		12.7	78.8	2.63	85.3	3.07	92.9	3.57	101.0	4.03	104.0	4.13	108.0	4.22	111.1	4.30
		25.4	78.8	2.42	85.3	2.87	92.9	3.34	101.0	3.77	104.0	3.85	108.0	3.95	111.1	4.03
		31.8	78.8	2.36	85.3	2.81	92.9	3.27	101.0	3.69	104.0	3.79	108.0	3.88	111.1	3.93
		38.1	78.8	2.33	85.3	2.78	92.9	3.24	101.0	3.65	104.0	3.75	108.0	3.85	111.1	3.88
	75	10.2	78.8	3.28	85.3	3.82	92.9	4.45	101.0	5.01	104.0	5.12	108.0	5.25	111.1	5.35
		12.7	78.8	3.22	85.3	3.76	92.9	4.38	101.0	4.93	104.0	5.04	108.0	5.17	111.1	5.27
		25.4	78.8	2.97	85.3	3.52	92.9	4.10	101.0	4.61	104.0	4.72	108.0	4.84	111.1	4.94
		31.8	78.8	2.88	85.3	3.44	92.9	4.01	101.0	4.52	104.0	4.63	108.0	4.75	111.1	4.81
		38.1	78.8	2.84	85.3	3.40	92.9	3.97	101.0	4.48	104.0	4.58	108.0	4.71	111.1	4.75
	86	10.2	78.8	4.00	85.3	4.65	92.9	5.42	101.0	6.11	104.0	6.25	108.0	6.40	111.1	6.52
		12.7	78.8	3.92	85.3	4.58	92.9	5.33	101.0	6.01	104.0	6.15	108.0	6.30	111.1	6.41
		25.4	78.8	3.61	85.3	4.28	92.9	4.98	101.0	5.61	104.0	5.76	108.0	5.90	111.1	6.01
		31.8	78.8	3.52	85.3	4.19	92.9	4.89	101.0	5.51	104.0	5.64	108.0	5.79	111.1	5.86
		38.1	78.8	3.47	85.3	4.15	92.9	4.84	101.0	5.45	104.0	5.58	108.0	5.73	111.1	5.79
	95	10.2	73.4	4.17	79.5	4.84	86.6	5.64	94.1	6.35	96.9	6.50	100.7	6.65	103.5	6.78
		12.7	73.4	4.09	79.5	4.76	86.6	5.55	94.1	6.25	96.9	6.40	100.7	6.55	103.5	6.68
		25.4	73.4	3.76	79.5	4.45	86.6	5.19	94.1	5.84	96.9	5.98	100.7	6.13	103.5	6.25
		31.8	73.4	3.65	79.5	4.36	86.6	5.08	94.1	5.73	96.9	5.87	100.7	6.02	103.5	6.10
		38.1	73.4	3.60	79.5	4.31	86.6	5.03	94.1	5.67	96.9	5.82	100.7	5.96	103.5	6.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	10.2	68.0	4.57	73.7	5.32	80.2	6.20	87.2	6.97	89.8	7.14	93.3	7.31	95.9	7.45
		12.7	68.0	4.48	73.7	5.24	80.2	6.10	87.2	6.86	89.8	7.02	93.3	7.20	95.9	7.33
		25.4	68.0	4.13	73.7	4.89	80.2	5.70	87.2	6.41	89.8	6.57	93.3	6.74	95.9	6.87
		31.8	68.0	4.01	73.7	4.78	80.2	5.58	87.2	6.29	89.8	6.45	93.3	6.62	95.9	6.69
		38.1	68.0	3.95	73.7	4.73	80.2	5.53	87.2	6.23	89.8	6.39	93.3	6.55	95.9	6.61
	113	10.2	62.6	4.98	67.9	5.81	73.8	6.76	80.3	7.59	82.7	7.78	85.9	7.97	88.3	8.12
		12.7	62.6	4.88	67.9	5.71	73.8	6.65	80.3	7.47	82.7	7.65	85.9	7.84	88.3	7.99
		25.4	62.6	4.49	67.9	5.32	73.8	6.21	80.3	6.98	82.7	7.16	85.9	7.35	88.3	7.49
		31.8	62.6	4.37	67.9	5.21	73.8	6.09	80.3	6.85	82.7	7.03	85.9	7.22	88.3	7.29
		38.1	62.6	4.30	67.9	5.15	73.8	6.02	80.3	6.78	82.7	6.97	85.9	7.15	88.3	7.20
100	23	6.7	74.9	1.55	81.1	1.80	88.3	2.06	96.0	2.35	98.9	2.38	102.7	2.47	105.6	2.51
	32	7.5	74.9	1.55	81.1	1.80	88.3	2.06	96.0	2.35	98.9	2.38	102.7	2.47	105.6	2.51
	41	8.6	74.9	1.55	81.1	1.80	88.3	2.06	96.0	2.35	98.9	2.38	102.7	2.47	105.6	2.51
	50	10.2	74.9	1.55	81.1	1.80	88.3	2.06	96.0	2.35	98.9	2.38	102.7	2.47	105.6	2.51
		12.7	74.9	1.52	81.1	1.77	88.3	2.03	96.0	2.31	98.9	2.35	102.7	2.43	105.6	2.47
		25.4	74.9	1.39	81.1	1.64	88.3	1.91	96.0	2.17	98.9	2.21	102.7	2.27	105.6	2.31
		31.8	74.9	1.35	81.1	1.61	88.3	1.87	96.0	2.12	98.9	2.17	102.7	2.22	105.6	2.24
		38.1	74.9	1.32	81.1	1.59	88.3	1.84	96.0	2.10	98.9	2.14	102.7	2.20	105.6	2.20
	59	10.2	74.9	2.09	81.1	2.43	88.3	2.82	96.0	3.18	98.9	3.25	102.7	3.34	105.6	3.40
		12.7	74.9	2.05	81.1	2.39	88.3	2.77	96.0	3.13	98.9	3.20	102.7	3.28	105.6	3.34
		25.4	74.9	1.88	81.1	2.23	88.3	2.60	96.0	2.93	98.9	2.99	102.7	3.07	105.6	3.13
		31.8	74.9	1.83	81.1	2.18	88.3	2.54	96.0	2.87	98.9	2.94	102.7	3.01	105.6	3.04
		38.1	74.9	1.80	81.1	2.16	88.3	2.51	96.0	2.84	98.9	2.91	102.7	2.98	105.6	3.00
	67	10.2	74.9	2.57	81.1	2.98	88.3	3.49	96.0	3.92	98.9	4.02	102.7	4.11	105.6	4.18
		12.7	74.9	2.52	81.1	2.94	88.3	3.43	96.0	3.85	98.9	3.95	102.7	4.05	105.6	4.12
		25.4	74.9	2.32	81.1	2.75	88.3	3.21	96.0	3.60	98.9	3.69	102.7	3.79	105.6	3.85
		31.8	74.9	2.25	81.1	2.70	88.3	3.14	96.0	3.54	98.9	3.62	102.7	3.72	105.6	3.76
		38.1	74.9	2.22	81.1	2.67	88.3	3.11	96.0	3.50	98.9	3.59	102.7	3.69	105.6	3.71
	75	10.2	74.9	3.13	81.1	3.64	88.3	4.24	96.0	4.78	98.9	4.90	102.7	5.02	105.6	5.10
		12.7	74.9	3.07	81.1	3.58	88.3	4.17	96.0	4.70	98.9	4.82	102.7	4.94	105.6	5.02
		25.4	74.9	2.83	81.1	3.35	88.3	3.90	96.0	4.40	98.9	4.50	102.7	4.62	105.6	4.70
		31.8	74.9	2.75	81.1	3.28	88.3	3.83	96.0	4.31	98.9	4.41	102.7	4.53	105.6	4.58
		38.1	74.9	2.71	81.1	3.25	88.3	3.79	96.0	4.26	98.9	4.37	102.7	4.49	105.6	4.52
	86	10.2	74.9	3.85	81.1	4.49	88.3	5.22	96.0	5.88	98.9	6.02	102.7	6.16	105.6	6.28
		12.7	74.9	3.78	81.1	4.41	88.3	5.14	96.0	5.79	98.9	5.92	102.7	6.07	105.6	6.18
		25.4	74.9	3.48	81.1	4.13	88.3	4.80	96.0	5.41	98.9	5.54	102.7	5.68	105.6	5.79
		31.8	74.9	3.38	81.1	4.04	88.3	4.70	96.0	5.30	98.9	5.44	102.7	5.57	105.6	5.63
		38.1	74.9	3.33	81.1	3.99	88.3	4.66	96.0	5.25	98.9	5.39	102.7	5.52	105.6	5.55
	95	10.2	71.2	4.07	77.1	4.73	83.9	5.51	91.2	6.21	93.9	6.35	97.6	6.51	100.3	6.63
		12.7	71.2	3.99	77.1	4.66	83.9	5.42	91.2	6.11	93.9	6.25	97.6	6.41	100.3	6.52
		25.4	71.2	3.67	77.1	4.36	83.9	5.07	91.2	5.71	93.9	5.84	97.6	6.00	100.3	6.11
		31.8	71.2	3.57	77.1	4.26	83.9	4.97	91.2	5.60	93.9	5.74	97.6	5.88	100.3	5.94
		38.1	71.2	3.53	77.1	4.21	83.9	4.91	91.2	5.55	93.9	5.68	97.6	5.82	100.3	5.86
	104	10.2	67.4	4.58	73.0	5.31	79.5	6.19	86.4	6.96	89.0	7.13	92.5	7.30	95.0	7.43
		12.7	67.4	4.48	73.0	5.23	79.5	6.09	86.4	6.85	89.0	7.01	92.5	7.19	95.0	7.31
		25.4	67.4	4.12	73.0	4.89	79.5	5.69	86.4	6.41	89.0	6.56	92.5	6.72	95.0	6.85
		31.8	67.4	4.01	73.0	4.78	79.5	5.57	86.4	6.28	89.0	6.43	92.5	6.60	95.0	6.67
		38.1	67.4	3.96	73.0	4.73	79.5	5.52	86.4	6.22	89.0	6.37	92.5	6.53	95.0	6.57
	113	10.2	63.6	5.08	68.9	5.89	75.1	6.87	81.6	7.72	84.1	7.90	87.4	8.10	89.7	8.23
		12.7	63.6	4.98	68.9	5.80	75.1	6.75	81.6	7.59	84.1	7.78	87.4	7.97	89.7	8.11
		25.4	63.6	4.56	68.9	5.42	75.1	6.31	81.6	7.10	84.1	7.27	87.4	7.45	89.7	7.59
		31.8	63.6	4.44	68.9	5.30	75.1	6.18	81.6	6.96	84.1	7.13	87.4	7.31	89.7	7.39
		38.1	63.6	4.39	68.9	5.25	75.1	6.12	81.6	6.88	84.1	7.06	87.4	7.25	89.7	7.29
90	23	6.7	67.4	1.31	73.0	1.53	79.5	1.78	86.4	2.02	89.0	2.06	92.5	2.10	95.0	2.16
	32	7.5	67.4	1.31	73.0	1.53	79.5	1.78	86.4	2.02	89.0	2.06	92.5	2.10	95.0	2.16
	41	8.6	67.4	1.31	73.0	1.53	79.5	1.78	86.4	2.02	89.0	2.06	92.5	2.10	95.0	2.16
	50	10.2	67.4	1.31	73.0	1.53	79.5	1.78	86.4	2.02	89.0	2.06	92.5	2.10	95.0	2.16
		12.7	67.4	1.29	73.0	1.50	79.5	1.76	86.4	1.99	89.0	2.03	92.5	2.07	95.0	2.13
		25.4	67.4	1.20	73.0	1.42	79.5	1.64	86.4	1.87	89.0	1.91	92.5	1.96	95.0	1.99
		31.8	67.4	1.16	73.0	1.37	79.5	1.62	86.4	1.81	89.0	1.87	92.5	1.92	95.0	1.92
		38.1	67.4	1.14	73.0	1.35	79.5	1.60	86.4	1.78	89.0	1.85	92.5	1.91	95.0	1.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	10.2	67.4	1.79	73.0	2.08	79.5	2.43	86.4	2.74	89.0	2.80	92.5	2.86	95.0	2.93
		12.7	67.4	1.76	73.0	2.05	79.5	2.39	86.4	2.70	89.0	2.75	92.5	2.82	95.0	2.88
		25.4	67.4	1.62	73.0	1.92	79.5	2.23	86.4	2.52	89.0	2.58	92.5	2.65	95.0	2.70
		31.8	67.4	1.57	73.0	1.87	79.5	2.19	86.4	2.46	89.0	2.53	92.5	2.60	95.0	2.62
		38.1	67.4	1.55	73.0	1.85	79.5	2.17	86.4	2.43	89.0	2.51	92.5	2.57	95.0	2.58
	67	10.2	67.4	2.22	73.0	2.57	79.5	3.00	86.4	3.38	89.0	3.46	92.5	3.55	95.0	3.60
		12.7	67.4	2.17	73.0	2.53	79.5	2.95	86.4	3.32	89.0	3.40	92.5	3.49	95.0	3.55
		25.4	67.4	2.00	73.0	2.37	79.5	2.75	86.4	3.10	89.0	3.18	92.5	3.26	95.0	3.32
		31.8	67.4	1.94	73.0	2.32	79.5	2.71	86.4	3.04	89.0	3.12	92.5	3.20	95.0	3.24
		38.1	67.4	1.91	73.0	2.29	79.5	2.68	86.4	3.01	89.0	3.09	92.5	3.17	95.0	3.19
	75	10.2	67.4	2.70	73.0	3.14	79.5	3.65	86.4	4.11	89.0	4.21	92.5	4.32	95.0	4.40
		12.7	67.4	2.65	73.0	3.09	79.5	3.59	86.4	4.05	89.0	4.14	92.5	4.25	95.0	4.33
		25.4	67.4	2.43	73.0	2.89	79.5	3.36	86.4	3.79	89.0	3.87	92.5	3.98	95.0	4.05
		31.8	67.4	2.37	73.0	2.82	79.5	3.29	86.4	3.71	89.0	3.81	92.5	3.90	95.0	3.94
		38.1	67.4	2.33	73.0	2.79	79.5	3.26	86.4	3.67	89.0	3.77	92.5	3.86	95.0	3.89
	86	10.2	67.4	3.32	73.0	3.86	79.5	4.50	86.4	5.07	89.0	5.18	92.5	5.31	95.0	5.41
		12.7	67.4	3.26	73.0	3.80	79.5	4.42	86.4	4.98	89.0	5.10	92.5	5.23	95.0	5.32
		25.4	67.4	2.99	73.0	3.55	79.5	4.13	86.4	4.66	89.0	4.77	92.5	4.89	95.0	4.98
		31.8	67.4	2.91	73.0	3.48	79.5	4.05	86.4	4.57	89.0	4.68	92.5	4.80	95.0	4.85
		38.1	67.4	2.86	73.0	3.44	79.5	4.00	86.4	4.53	89.0	4.63	92.5	4.76	95.0	4.79
	95	10.2	65.6	3.59	71.0	4.16	77.3	4.85	84.0	5.46	86.5	5.59	89.9	5.72	92.4	5.83
		12.7	65.6	3.52	71.0	4.10	77.3	4.77	84.0	5.37	86.5	5.50	89.9	5.63	92.4	5.74
		25.4	65.6	3.23	71.0	3.83	77.3	4.46	84.0	5.02	86.5	5.14	89.9	5.27	92.4	5.37
		31.8	65.6	3.14	71.0	3.75	77.3	4.37	84.0	4.93	86.5	5.05	89.9	5.18	92.4	5.23
		38.1	65.6	3.10	71.0	3.71	77.3	4.32	84.0	4.88	86.5	5.01	89.9	5.13	92.4	5.15
	104	10.2	63.7	4.12	69.0	4.78	75.1	5.57	81.6	6.28	84.1	6.42	87.3	6.58	89.8	6.69
		12.7	63.7	4.04	69.0	4.70	75.1	5.48	81.6	6.17	84.1	6.32	87.3	6.47	89.8	6.59
		25.4	63.7	3.71	69.0	4.40	75.1	5.13	81.6	5.77	84.1	5.91	87.3	6.06	89.8	6.17
		31.8	63.7	3.60	69.0	4.31	75.1	5.02	81.6	5.66	84.1	5.80	87.3	5.95	89.8	6.01
		38.1	63.7	3.55	69.0	4.26	75.1	4.97	81.6	5.61	84.1	5.74	87.3	5.90	89.8	5.93
	113	10.2	61.8	4.65	67.0	5.40	72.9	6.28	79.2	7.09	81.7	7.25	84.7	7.43	87.2	7.56
		12.7	61.8	4.56	67.0	5.31	72.9	6.18	79.2	6.98	81.7	7.14	84.7	7.31	87.2	7.44
		25.4	61.8	4.19	67.0	4.97	72.9	5.80	79.2	6.51	81.7	6.69	84.7	6.84	87.2	6.98
		31.8	61.8	4.07	67.0	4.87	72.9	5.68	79.2	6.40	81.7	6.54	84.7	6.72	87.2	6.79
		38.1	61.8	4.00	67.0	4.82	72.9	5.62	79.2	6.34	81.7	6.47	84.7	6.67	87.2	6.70
80	23	6.7	59.9	1.12	64.9	1.28	70.7	1.49	76.8	1.70	79.1	1.73	82.2	1.78	84.5	1.79
	32	7.5	59.9	1.12	64.9	1.28	70.7	1.49	76.8	1.70	79.1	1.73	82.2	1.78	84.5	1.79
	41	8.6	59.9	1.12	64.9	1.28	70.7	1.49	76.8	1.70	79.1	1.73	82.2	1.78	84.5	1.79
	50	10.2	59.9	1.12	64.9	1.28	70.7	1.49	76.8	1.70	79.1	1.73	82.2	1.78	84.5	1.79
		12.7	59.9	1.10	64.9	1.26	70.7	1.47	76.8	1.67	79.1	1.70	82.2	1.75	84.5	1.76
		25.4	59.9	0.99	64.9	1.20	70.7	1.39	76.8	1.55	79.1	1.60	82.2	1.63	84.5	1.65
		31.8	59.9	0.99	64.9	1.16	70.7	1.36	76.8	1.52	79.1	1.55	82.2	1.60	84.5	1.62
		38.1	59.9	0.98	64.9	1.14	70.7	1.34	76.8	1.51	79.1	1.53	82.2	1.58	84.5	1.60
	59	10.2	59.9	1.51	64.9	1.75	70.7	2.03	76.8	2.30	79.1	2.35	82.2	2.41	84.5	2.44
		12.7	59.9	1.48	64.9	1.72	70.7	2.00	76.8	2.26	79.1	2.31	82.2	2.37	84.5	2.41
		25.4	59.9	1.35	64.9	1.61	70.7	1.87	76.8	2.11	79.1	2.16	82.2	2.21	84.5	2.25
		31.8	59.9	1.32	64.9	1.57	70.7	1.84	76.8	2.07	79.1	2.12	82.2	2.17	84.5	2.19
		38.1	59.9	1.31	64.9	1.56	70.7	1.82	76.8	2.05	79.1	2.09	82.2	2.15	84.5	2.16
	67	10.2	59.9	1.85	64.9	2.16	70.7	2.51	76.8	2.83	79.1	2.90	82.2	2.96	84.5	3.02
		12.7	59.9	1.82	64.9	2.13	70.7	2.47	76.8	2.78	79.1	2.85	82.2	2.92	84.5	2.98
		25.4	59.9	1.67	64.9	1.98	70.7	2.31	76.8	2.60	79.1	2.67	82.2	2.73	84.5	2.78
		31.8	59.9	1.62	64.9	1.94	70.7	2.26	76.8	2.55	79.1	2.62	82.2	2.69	84.5	2.71
		38.1	59.9	1.60	64.9	1.92	70.7	2.24	76.8	2.53	79.1	2.59	82.2	2.66	84.5	2.67
	75	10.2	59.9	2.27	64.9	2.63	70.7	3.06	76.8	3.44	79.1	3.54	82.2	3.62	84.5	3.68
		12.7	59.9	2.22	64.9	2.59	70.7	3.01	76.8	3.39	79.1	3.48	82.2	3.56	84.5	3.62
		25.4	59.9	2.04	64.9	2.42	70.7	2.82	76.8	3.18	79.1	3.25	82.2	3.33	84.5	3.39
		31.8	59.9	1.98	64.9	2.37	70.7	2.76	76.8	3.11	79.1	3.19	82.2	3.27	84.5	3.30
		38.1	59.9	1.95	64.9	2.34	70.7	2.73	76.8	3.08	79.1	3.16	82.2	3.25	84.5	3.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	10.2	59.9	2.78	64.9	3.23	70.7	3.77	76.8	4.24	79.1	4.34	82.2	4.45	84.5	4.54
		12.7	59.9	2.72	64.9	3.18	70.7	3.71	76.8	4.17	79.1	4.27	82.2	4.38	84.5	4.46
		25.4	59.9	2.51	64.9	2.98	70.7	3.47	76.8	3.90	79.1	4.00	82.2	4.10	84.5	4.17
		31.8	59.9	2.44	64.9	2.91	70.7	3.39	76.8	3.83	79.1	3.92	82.2	4.02	84.5	4.07
		38.1	59.9	2.41	64.9	2.87	70.7	3.35	76.8	3.79	79.1	3.88	82.2	3.98	84.5	4.01
	95	10.2	59.9	3.09	64.9	3.59	70.7	4.18	76.8	4.71	79.1	4.83	82.2	4.95	84.5	5.04
		12.7	59.9	3.03	64.9	3.54	70.7	4.12	76.8	4.64	79.1	4.75	82.2	4.87	84.5	4.96
		25.4	59.9	2.79	64.9	3.30	70.7	3.85	76.8	4.34	79.1	4.44	82.2	4.55	84.5	4.64
		31.8	59.9	2.71	64.9	3.24	70.7	3.78	76.8	4.25	79.1	4.36	82.2	4.47	84.5	4.51
		38.1	59.9	2.68	64.9	3.20	70.7	3.74	76.8	4.21	79.1	4.31	82.2	4.43	84.5	4.45
	104	10.2	59.9	3.67	64.9	4.26	70.7	4.96	76.8	5.59	79.1	5.72	82.2	5.86	84.5	5.96
		12.7	59.9	3.59	64.9	4.19	70.7	4.88	76.8	5.50	79.1	5.62	82.2	5.77	84.5	5.86
		25.4	59.9	3.30	64.9	3.91	70.7	4.56	76.8	5.14	79.1	5.26	82.2	5.39	84.5	5.49
		31.8	59.9	3.21	64.9	3.84	70.7	4.46	76.8	5.03	79.1	5.16	82.2	5.29	84.5	5.34
		38.1	59.9	3.16	64.9	3.80	70.7	4.41	76.8	4.98	79.1	5.11	82.2	5.25	84.5	5.27
	113	10.2	59.9	4.24	64.9	4.93	70.7	5.74	76.8	6.46	79.1	6.60	82.2	6.78	84.5	6.88
		12.7	59.9	4.15	64.9	4.85	70.7	5.64	76.8	6.36	79.1	6.49	82.2	6.67	84.5	6.77
		25.4	59.9	3.82	64.9	4.52	70.7	5.27	76.8	5.94	79.1	6.07	82.2	6.23	84.5	6.34
		31.8	59.9	3.70	64.9	4.43	70.7	5.15	76.8	5.82	79.1	5.96	82.2	6.12	84.5	6.17
		38.1	59.9	3.64	64.9	4.39	70.7	5.09	76.8	5.75	79.1	5.91	82.2	6.06	84.5	6.09
70	23	6.7	52.5	0.92	56.8	1.07	61.9	1.23	67.2	1.39	69.2	1.45	71.9	1.48	73.9	1.49
	32	7.5	52.5	0.92	56.8	1.07	61.9	1.23	67.2	1.39	69.2	1.45	71.9	1.48	73.9	1.49
	41	8.6	52.5	0.92	56.8	1.07	61.9	1.23	67.2	1.39	69.2	1.45	71.9	1.48	73.9	1.49
	50	10.2	52.5	0.92	56.8	1.07	61.9	1.23	67.2	1.39	69.2	1.45	71.9	1.48	73.9	1.49
		12.7	52.5	0.90	56.8	1.05	61.9	1.22	67.2	1.37	69.2	1.42	71.9	1.46	73.9	1.47
		25.4	52.5	0.84	56.8	0.97	61.9	1.14	67.2	1.30	69.2	1.33	71.9	1.37	73.9	1.39
		31.8	52.5	0.82	56.8	0.96	61.9	1.12	67.2	1.26	69.2	1.29	71.9	1.33	73.9	1.35
		38.1	52.5	0.81	56.8	0.95	61.9	1.12	67.2	1.24	69.2	1.27	71.9	1.31	73.9	1.33
	59	10.2	52.5	1.25	56.8	1.45	61.9	1.69	67.2	1.90	69.2	1.95	71.9	2.00	73.9	2.03
		12.7	52.5	1.23	56.8	1.43	61.9	1.66	67.2	1.87	69.2	1.92	71.9	1.97	73.9	2.00
		25.4	52.5	1.13	56.8	1.33	61.9	1.56	67.2	1.76	69.2	1.80	71.9	1.85	73.9	1.87
		31.8	52.5	1.10	56.8	1.30	61.9	1.53	67.2	1.72	69.2	1.76	71.9	1.81	73.9	1.83
		38.1	52.5	1.09	56.8	1.29	61.9	1.51	67.2	1.70	69.2	1.74	71.9	1.79	73.9	1.80
	67	10.2	52.5	1.55	56.8	1.80	61.9	2.09	67.2	2.36	69.2	2.41	71.9	2.46	73.9	2.51
		12.7	52.5	1.52	56.8	1.77	61.9	2.06	67.2	2.32	69.2	2.37	71.9	2.42	73.9	2.47
		25.4	52.5	1.39	56.8	1.65	61.9	1.92	67.2	2.16	69.2	2.21	71.9	2.27	73.9	2.31
		31.8	52.5	1.35	56.8	1.61	61.9	1.88	67.2	2.13	69.2	2.17	71.9	2.23	73.9	2.25
		38.1	52.5	1.33	56.8	1.59	61.9	1.86	67.2	2.11	69.2	2.15	71.9	2.21	73.9	2.22
	75	10.2	52.5	1.88	56.8	2.19	61.9	2.54	67.2	2.87	69.2	2.93	71.9	3.00	73.9	3.06
		12.7	52.5	1.85	56.8	2.15	61.9	2.50	67.2	2.82	69.2	2.89	71.9	2.96	73.9	3.01
		25.4	52.5	1.70	56.8	2.01	61.9	2.35	67.2	2.64	69.2	2.71	71.9	2.77	73.9	2.82
		31.8	52.5	1.65	56.8	1.97	61.9	2.30	67.2	2.59	69.2	2.65	71.9	2.71	73.9	2.74
		38.1	52.5	1.63	56.8	1.95	61.9	2.27	67.2	2.56	69.2	2.62	71.9	2.69	73.9	2.70
	86	10.2	52.5	2.32	56.8	2.69	61.9	3.13	67.2	3.52	69.2	3.61	71.9	3.70	73.9	3.77
		12.7	52.5	2.27	56.8	2.65	61.9	3.08	67.2	3.47	69.2	3.56	71.9	3.64	73.9	3.71
		25.4	52.5	2.09	56.8	2.47	61.9	2.88	67.2	3.25	69.2	3.32	71.9	3.41	73.9	3.47
		31.8	52.5	2.03	56.8	2.42	61.9	2.82	67.2	3.18	69.2	3.27	71.9	3.34	73.9	3.38
		38.1	52.5	2.00	56.8	2.40	61.9	2.79	67.2	3.14	69.2	3.24	71.9	3.31	73.9	3.34
	95	10.2	52.5	2.57	56.8	2.98	61.9	3.49	67.2	3.92	69.2	4.02	71.9	4.11	73.9	4.18
		12.7	52.5	2.52	56.8	2.94	61.9	3.43	67.2	3.85	69.2	3.95	71.9	4.05	73.9	4.12
		25.4	52.5	2.32	56.8	2.75	61.9	3.20	67.2	3.60	69.2	3.69	71.9	3.79	73.9	3.85
		31.8	52.5	2.25	56.8	2.69	61.9	3.14	67.2	3.54	69.2	3.62	71.9	3.72	73.9	3.76
		38.1	52.5	2.22	56.8	2.65	61.9	3.11	67.2	3.50	69.2	3.59	71.9	3.69	73.9	3.71
	104	10.2	52.5	3.05	56.8	3.53	61.9	4.12	67.2	4.65	69.2	4.75	71.9	4.87	73.9	4.96
		12.7	52.5	2.99	56.8	3.48	61.9	4.06	67.2	4.57	69.2	4.68	71.9	4.79	73.9	4.88
		25.4	52.5	2.74	56.8	3.26	61.9	3.80	67.2	4.27	69.2	4.38	71.9	4.48	73.9	4.57
		31.8	52.5	2.67	56.8	3.19	61.9	3.71	67.2	4.18	69.2	4.29	71.9	4.41	73.9	4.44
		38.1	52.5	2.63	56.8	3.15	61.9	3.67	67.2	4.14	69.2	4.25	71.9	4.37	73.9	4.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	10.2	52.5	3.52	56.8	4.08	61.9	4.76	67.2	5.37	69.2	5.49	71.9	5.63	73.9	5.73
		12.7	52.5	3.45	56.8	4.02	61.9	4.69	67.2	5.28	69.2	5.40	71.9	5.54	73.9	5.64
		25.4	52.5	3.17	56.8	3.76	61.9	4.40	67.2	4.94	69.2	5.06	71.9	5.18	73.9	5.28
		31.8	52.5	3.08	56.8	3.69	61.9	4.28	67.2	4.83	69.2	4.96	71.9	5.09	73.9	5.13
		38.1	52.5	3.04	56.8	3.66	61.9	4.22	67.2	4.78	69.2	4.90	71.9	5.05	73.9	5.05
60	23	6.7	44.9	0.73	48.7	0.85	53.0	0.98	57.6	1.13	59.4	1.16	61.7	1.17	63.4	1.19
	32	7.5	44.9	0.73	48.7	0.85	53.0	0.98	57.6	1.13	59.4	1.16	61.7	1.17	63.4	1.19
	41	8.6	44.9	0.73	48.7	0.85	53.0	0.98	57.6	1.13	59.4	1.16	61.7	1.17	63.4	1.19
	50	10.2	44.9	0.73	48.7	0.85	53.0	0.98	57.6	1.13	59.4	1.16	61.7	1.17	63.4	1.19
		12.7	44.9	0.71	48.7	0.84	53.0	0.96	57.6	1.11	59.4	1.13	61.7	1.15	63.4	1.17
		25.4	44.9	0.66	48.7	0.78	53.0	0.92	57.6	1.03	59.4	1.05	61.7	1.09	63.4	1.11
		31.8	44.9	0.63	48.7	0.77	53.0	0.90	57.6	1.01	59.4	1.03	61.7	1.06	63.4	1.08
		38.1	44.9	0.62	48.7	0.77	53.0	0.89	57.6	1.00	59.4	1.02	61.7	1.04	63.4	1.06
	59	10.2	44.9	1.00	48.7	1.16	53.0	1.34	57.6	1.52	59.4	1.56	61.7	1.59	63.4	1.62
		12.7	44.9	0.98	48.7	1.14	53.0	1.32	57.6	1.50	59.4	1.54	61.7	1.57	63.4	1.59
		25.4	44.9	0.90	48.7	1.06	53.0	1.25	57.6	1.40	59.4	1.43	61.7	1.47	63.4	1.50
		31.8	44.9	0.87	48.7	1.04	53.0	1.22	57.6	1.37	59.4	1.40	61.7	1.44	63.4	1.46
		38.1	44.9	0.85	48.7	1.03	53.0	1.20	57.6	1.36	59.4	1.39	61.7	1.42	63.4	1.44
	67	10.2	44.9	1.23	48.7	1.43	53.0	1.67	57.6	1.87	59.4	1.93	61.7	1.96	63.4	2.00
		12.7	44.9	1.21	48.7	1.41	53.0	1.64	57.6	1.85	59.4	1.89	61.7	1.93	63.4	1.97
		25.4	44.9	1.11	48.7	1.31	53.0	1.54	57.6	1.73	59.4	1.77	61.7	1.81	63.4	1.85
		31.8	44.9	1.08	48.7	1.28	53.0	1.50	57.6	1.69	59.4	1.73	61.7	1.78	63.4	1.80
		38.1	44.9	1.07	48.7	1.27	53.0	1.48	57.6	1.67	59.4	1.71	61.7	1.76	63.4	1.77
	75	10.2	44.9	1.50	48.7	1.75	53.0	2.03	57.6	2.29	59.4	2.34	61.7	2.39	63.4	2.44
		12.7	44.9	1.47	48.7	1.72	53.0	2.00	57.6	2.25	59.4	2.30	61.7	2.36	63.4	2.41
		25.4	44.9	1.35	48.7	1.60	53.0	1.86	57.6	2.11	59.4	2.15	61.7	2.21	63.4	2.25
		31.8	44.9	1.31	48.7	1.57	53.0	1.83	57.6	2.06	59.4	2.12	61.7	2.16	63.4	2.19
		38.1	44.9	1.29	48.7	1.55	53.0	1.81	57.6	2.03	59.4	2.10	61.7	2.14	63.4	2.16
	86	10.2	44.9	1.84	48.7	2.14	53.0	2.49	57.6	2.81	59.4	2.88	61.7	2.94	63.4	3.00
		12.7	44.9	1.81	48.7	2.11	53.0	2.45	57.6	2.76	59.4	2.83	61.7	2.90	63.4	2.96
		25.4	44.9	1.66	48.7	1.97	53.0	2.30	57.6	2.59	59.4	2.65	61.7	2.71	63.4	2.76
		31.8	44.9	1.61	48.7	1.93	53.0	2.25	57.6	2.54	59.4	2.60	61.7	2.67	63.4	2.70
		38.1	44.9	1.59	48.7	1.91	53.0	2.23	57.6	2.52	59.4	2.57	61.7	2.64	63.4	2.66
	95	10.2	44.9	2.05	48.7	2.39	53.0	2.78	57.6	3.12	59.4	3.20	61.7	3.28	63.4	3.34
		12.7	44.9	2.01	48.7	2.35	53.0	2.73	57.6	3.07	59.4	3.15	61.7	3.23	63.4	3.28
		25.4	44.9	1.85	48.7	2.19	53.0	2.55	57.6	2.88	59.4	2.95	61.7	3.01	63.4	3.07
		31.8	44.9	1.80	48.7	2.14	53.0	2.50	57.6	2.82	59.4	2.89	61.7	2.97	63.4	2.99
		38.1	44.9	1.77	48.7	2.12	53.0	2.48	57.6	2.79	59.4	2.86	61.7	2.94	63.4	2.96
	104	10.2	44.9	2.42	48.7	2.82	53.0	3.29	57.6	3.70	59.4	3.79	61.7	3.88	63.4	3.96
		12.7	44.9	2.38	48.7	2.77	53.0	3.24	57.6	3.64	59.4	3.73	61.7	3.82	63.4	3.89
		25.4	44.9	2.19	48.7	2.60	53.0	3.02	57.6	3.40	59.4	3.49	61.7	3.57	63.4	3.64
		31.8	44.9	2.13	48.7	2.54	53.0	2.97	57.6	3.33	59.4	3.42	61.7	3.51	63.4	3.55
		38.1	44.9	2.09	48.7	2.51	53.0	2.94	57.6	3.30	59.4	3.39	61.7	3.47	63.4	3.50
	113	10.2	44.9	2.79	48.7	3.25	53.0	3.80	57.6	4.29	59.4	4.38	61.7	4.47	63.4	4.58
		12.7	44.9	2.74	48.7	3.20	53.0	3.74	57.6	4.21	59.4	4.31	61.7	4.41	63.4	4.50
		25.4	44.9	2.54	48.7	3.00	53.0	3.50	57.6	3.92	59.4	4.03	61.7	4.13	63.4	4.21
		31.8	44.9	2.45	48.7	2.94	53.0	3.43	57.6	3.84	59.4	3.95	61.7	4.05	63.4	4.10
		38.1	44.9	2.41	48.7	2.90	53.0	3.40	57.6	3.81	59.4	3.91	61.7	4.00	63.4	4.04
50	23	6.7	37.4	0.54	40.5	0.63	44.1	0.76	48.1	0.83	49.5	0.84	51.4	0.88	52.8	0.89
	32	7.5	37.4	0.54	40.5	0.63	44.1	0.76	48.1	0.83	49.5	0.84	51.4	0.88	52.8	0.89
	41	8.6	37.4	0.54	40.5	0.63	44.1	0.76	48.1	0.83	49.5	0.84	51.4	0.88	52.8	0.89
	50	10.2	37.4	0.54	40.5	0.63	44.1	0.76	48.1	0.83	49.5	0.84	51.4	0.88	52.8	0.89
		12.7	37.4	0.53	40.5	0.62	44.1	0.75	48.1	0.82	49.5	0.84	51.4	0.86	52.8	0.87
		25.4	37.4	0.48	40.5	0.59	44.1	0.69	48.1	0.77	49.5	0.80	51.4	0.80	52.8	0.82
		31.8	37.4	0.47	40.5	0.59	44.1	0.67	48.1	0.75	49.5	0.76	51.4	0.79	52.8	0.79
		38.1	37.4	0.47	40.5	0.59	44.1	0.66	48.1	0.74	49.5	0.74	51.4	0.79	52.8	0.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	59	10.2	37.4	0.74	40.5	0.86	44.1	1.01	48.1	1.13	49.5	1.16	51.4	1.19	52.8	1.21
		12.7	37.4	0.72	40.5	0.85	44.1	1.00	48.1	1.11	49.5	1.14	51.4	1.17	52.8	1.19
		25.4	37.4	0.67	40.5	0.79	44.1	0.93	48.1	1.04	49.5	1.07	51.4	1.09	52.8	1.11
		31.8	37.4	0.65	40.5	0.78	44.1	0.91	48.1	1.02	49.5	1.04	51.4	1.07	52.8	1.08
		38.1	37.4	0.64	40.5	0.78	44.1	0.90	48.1	1.01	49.5	1.03	51.4	1.06	52.8	1.07
	67	10.2	37.4	0.92	40.5	1.07	44.1	1.24	48.1	1.39	49.5	1.43	51.4	1.46	52.8	1.49
		12.7	37.4	0.90	40.5	1.05	44.1	1.22	48.1	1.37	49.5	1.41	51.4	1.44	52.8	1.47
		25.4	37.4	0.83	40.5	0.98	44.1	1.14	48.1	1.28	49.5	1.31	51.4	1.35	52.8	1.37
		31.8	37.4	0.80	40.5	0.96	44.1	1.12	48.1	1.27	49.5	1.29	51.4	1.32	52.8	1.34
		38.1	37.4	0.79	40.5	0.95	44.1	1.11	48.1	1.26	49.5	1.28	51.4	1.31	52.8	1.33
	75	10.2	37.4	1.11	40.5	1.29	44.1	1.51	48.1	1.71	49.5	1.75	51.4	1.79	52.8	1.81
		12.7	37.4	1.09	40.5	1.28	44.1	1.49	48.1	1.68	49.5	1.72	51.4	1.76	52.8	1.79
		25.4	37.4	1.00	40.5	1.20	44.1	1.39	48.1	1.57	49.5	1.60	51.4	1.64	52.8	1.68
		31.8	37.4	0.98	40.5	1.17	44.1	1.36	48.1	1.54	49.5	1.57	51.4	1.61	52.8	1.63
		38.1	37.4	0.96	40.5	1.15	44.1	1.35	48.1	1.52	49.5	1.56	51.4	1.60	52.8	1.61
	86	10.2	37.4	1.38	40.5	1.60	44.1	1.87	48.1	2.10	49.5	2.15	51.4	2.20	52.8	2.24
		12.7	37.4	1.35	40.5	1.57	44.1	1.84	48.1	2.07	49.5	2.12	51.4	2.16	52.8	2.20
		25.4	37.4	1.24	40.5	1.47	44.1	1.71	48.1	1.93	49.5	1.97	51.4	2.03	52.8	2.06
		31.8	37.4	1.21	40.5	1.44	44.1	1.68	48.1	1.89	49.5	1.94	51.4	1.99	52.8	2.01
		38.1	37.4	1.19	40.5	1.42	44.1	1.67	48.1	1.87	49.5	1.93	51.4	1.97	52.8	1.99
	95	10.2	37.4	1.53	40.5	1.78	44.1	2.07	48.1	2.33	49.5	2.39	51.4	2.44	52.8	2.48
		12.7	37.4	1.50	40.5	1.75	44.1	2.04	48.1	2.29	49.5	2.35	51.4	2.41	52.8	2.44
		25.4	37.4	1.38	40.5	1.63	44.1	1.90	48.1	2.14	49.5	2.19	51.4	2.25	52.8	2.29
		31.8	37.4	1.34	40.5	1.60	44.1	1.86	48.1	2.11	49.5	2.15	51.4	2.21	52.8	2.23
		38.1	37.4	1.32	40.5	1.59	44.1	1.85	48.1	2.09	49.5	2.13	51.4	2.19	52.8	2.20
	104	10.2	37.4	1.81	40.5	2.10	44.1	2.46	48.1	2.76	49.5	2.83	51.4	2.90	52.8	2.94
		12.7	37.4	1.78	40.5	2.07	44.1	2.42	48.1	2.71	49.5	2.78	51.4	2.85	52.8	2.90
		25.4	37.4	1.63	40.5	1.93	44.1	2.25	48.1	2.54	49.5	2.60	51.4	2.67	52.8	2.71
		31.8	37.4	1.58	40.5	1.89	44.1	2.21	48.1	2.49	49.5	2.55	51.4	2.62	52.8	2.64
		38.1	37.4	1.56	40.5	1.87	44.1	2.19	48.1	2.47	49.5	2.53	51.4	2.59	52.8	2.60
	113	10.2	37.4	2.10	40.5	2.43	44.1	2.84	48.1	3.19	49.5	3.27	51.4	3.35	52.8	3.41
		12.7	37.4	2.06	40.5	2.39	44.1	2.79	48.1	3.14	49.5	3.22	51.4	3.29	52.8	3.35
		25.4	37.4	1.88	40.5	2.23	44.1	2.60	48.1	2.94	49.5	3.00	51.4	3.08	52.8	3.14
		31.8	37.4	1.83	40.5	2.18	44.1	2.56	48.1	2.88	49.5	2.95	51.4	3.02	52.8	3.04
		38.1	37.4	1.80	40.5	2.16	44.1	2.54	48.1	2.85	49.5	2.92	51.4	2.99	52.8	2.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	8.1	111.5	2.32	120.8	2.70	131.5	3.16	142.9	3.55	147.3	3.63	152.9	3.73	157.3	3.80
	32	9.0	111.5	2.32	120.8	2.70	131.5	3.16	142.9	3.55	147.3	3.63	152.9	3.73	157.3	3.80
	41	10.4	111.5	2.32	120.8	2.70	131.5	3.16	142.9	3.55	147.3	3.63	152.9	3.73	157.3	3.80
	50	12.2	111.5	2.32	120.8	2.70	131.5	3.16	142.9	3.55	147.3	3.63	152.9	3.73	157.3	3.80
		15.2	111.5	2.28	120.8	2.66	131.5	3.11	142.9	3.49	147.3	3.58	152.9	3.67	157.3	3.74
		30.4	111.5	2.11	120.8	2.49	131.5	2.90	142.9	3.27	147.3	3.35	152.9	3.44	157.3	3.50
		38.0	111.5	2.04	120.8	2.43	131.5	2.84	142.9	3.20	147.3	3.28	152.9	3.36	157.3	3.42
		45.6	111.5	2.00	120.8	2.40	131.5	2.81	142.9	3.16	147.3	3.25	152.9	3.33	157.3	3.39
	59	12.2	109.8	3.05	118.8	3.55	129.4	4.14	140.7	4.66	144.9	4.77	150.5	4.89	154.8	4.98
		15.2	109.8	3.00	118.8	3.50	129.4	4.08	140.7	4.59	144.9	4.70	150.5	4.81	154.8	4.90
		30.4	109.8	2.76	118.8	3.27	129.4	3.81	140.7	4.29	144.9	4.40	150.5	4.52	154.8	4.60
		38.0	109.8	2.68	118.8	3.20	129.4	3.73	140.7	4.20	144.9	4.31	150.5	4.42	154.8	4.50
		45.6	109.8	2.64	118.8	3.16	129.4	3.69	140.7	4.16	144.9	4.27	150.5	4.38	154.8	4.45
	67	12.2	108.2	3.70	117.1	4.31	127.6	5.02	138.7	5.65	142.8	5.78	148.3	5.92	152.5	6.02
		15.2	108.2	3.63	117.1	4.24	127.6	4.94	138.7	5.56	142.8	5.69	148.3	5.83	152.5	5.94
		30.4	108.2	3.34	117.1	3.96	127.6	4.62	138.7	5.20	142.8	5.33	148.3	5.47	152.5	5.58
		38.0	108.2	3.25	117.1	3.88	127.6	4.52	138.7	5.10	142.8	5.23	148.3	5.36	152.5	5.46
		45.6	108.2	3.21	117.1	3.84	127.6	4.48	138.7	5.05	142.8	5.18	148.3	5.31	152.5	5.39
	75	12.2	108.2	4.58	117.1	5.32	127.6	6.19	138.7	6.97	142.8	7.13	148.3	7.31	152.5	7.43
		15.2	108.2	4.49	117.1	5.23	127.6	6.09	138.7	6.86	142.8	7.02	148.3	7.20	152.5	7.32
		30.4	108.2	4.12	117.1	4.88	127.6	5.69	138.7	6.41	142.8	6.57	148.3	6.74	152.5	6.88
		38.0	108.2	4.01	117.1	4.78	127.6	5.57	138.7	6.29	142.8	6.45	148.3	6.62	152.5	6.73
		45.6	108.2	3.95	117.1	4.73	127.6	5.52	138.7	6.23	142.8	6.39	148.3	6.56	152.5	6.65
	86	12.2	108.2	5.49	117.1	6.38	127.6	7.43	138.7	8.37	142.8	8.57	148.3	8.77	152.5	8.92
		15.2	108.2	5.38	117.1	6.27	127.6	7.31	138.7	8.23	142.8	8.43	148.3	8.63	152.5	8.79
		30.4	108.2	4.95	117.1	5.87	127.6	6.83	138.7	7.69	142.8	7.89	148.3	8.09	152.5	8.26
		38.0	108.2	4.81	117.1	5.74	127.6	6.70	138.7	7.54	142.8	7.74	148.3	7.94	152.5	8.07
		45.6	108.2	4.74	117.1	5.68	127.6	6.63	138.7	7.47	142.8	7.66	148.3	7.86	152.5	7.97
	95	12.2	97.3	5.55	105.4	6.45	114.8	7.52	124.8	8.46	128.5	8.66	133.5	8.86	137.3	9.02
		15.2	97.3	5.44	105.4	6.34	114.8	7.39	124.8	8.32	128.5	8.52	133.5	8.73	137.3	8.88
		30.4	97.3	5.00	105.4	5.94	114.8	6.91	124.8	7.78	128.5	7.97	133.5	8.19	137.3	8.35
		38.0	97.3	4.86	105.4	5.80	114.8	6.77	124.8	7.63	128.5	7.83	133.5	8.03	137.3	8.16
		45.6	97.3	4.79	105.4	5.74	114.8	6.70	124.8	7.56	128.5	7.75	133.5	7.95	137.3	8.07
	104	12.2	86.5	5.86	93.7	6.80	102.0	7.92	110.9	8.93	114.3	9.13	118.7	9.35	122.0	9.52
		15.2	86.5	5.74	93.7	6.69	102.0	7.79	110.9	8.78	114.3	8.99	118.7	9.21	122.0	9.38
		30.4	86.5	5.28	93.7	6.26	102.0	7.29	110.9	8.21	114.3	8.41	118.7	8.63	122.0	8.81
		38.0	86.5	5.13	93.7	6.12	102.0	7.14	110.9	8.04	114.3	8.26	118.7	8.47	122.0	8.61
		45.6	86.5	5.05	93.7	6.06	102.0	7.06	110.9	7.96	114.3	8.18	118.7	8.39	122.0	8.51
	113	12.2	75.7	6.16	81.9	7.15	89.3	8.32	97.1	9.40	100.0	9.60	103.8	9.84	106.8	10.03
		15.2	75.7	6.04	81.9	7.03	89.3	8.19	97.1	9.24	100.0	9.45	103.8	9.68	106.8	9.87
		30.4	75.7	5.55	81.9	6.58	89.3	7.68	97.1	8.64	100.0	8.85	103.8	9.08	106.8	9.26
		38.0	75.7	5.39	81.9	6.45	89.3	7.50	97.1	8.46	100.0	8.69	103.8	8.91	106.8	9.06
		45.6	75.7	5.32	81.9	6.38	89.3	7.42	97.1	8.37	100.0	8.61	103.8	8.82	106.8	8.95
120	23	8.1	105.6	2.21	114.3	2.57	124.5	2.98	135.3	3.37	139.4	3.45	144.9	3.53	148.9	3.60
	32	9.0	105.6	2.21	114.3	2.57	124.5	2.98	135.3	3.37	139.4	3.45	144.9	3.53	148.9	3.60
	41	10.4	105.6	2.21	114.3	2.57	124.5	2.98	135.3	3.37	139.4	3.45	144.9	3.53	148.9	3.60
	50	12.2	105.6	2.21	114.3	2.57	124.5	2.98	135.3	3.37	139.4	3.45	144.9	3.53	148.9	3.60
		15.2	105.6	2.16	114.3	2.53	124.5	2.94	135.3	3.31	139.4	3.39	144.9	3.47	148.9	3.54
		30.4	105.6	1.98	114.3	2.36	124.5	2.76	135.3	3.09	139.4	3.17	144.9	3.25	148.9	3.32
		38.0	105.6	1.93	114.3	2.30	124.5	2.69	135.3	3.03	139.4	3.11	144.9	3.20	148.9	3.25
		45.6	105.6	1.90	114.3	2.27	124.5	2.65	135.3	3.01	139.4	3.08	144.9	3.18	148.9	3.21
	59	12.2	104.3	2.93	113.0	3.40	123.1	3.96	133.8	4.46	137.8	4.57	143.2	4.68	147.2	4.76
		15.2	104.3	2.87	113.0	3.35	123.1	3.90	133.8	4.39	137.8	4.49	143.2	4.60	147.2	4.69
		30.4	104.3	2.63	113.0	3.13	123.1	3.65	133.8	4.10	137.8	4.20	143.2	4.31	147.2	4.40
		38.0	104.3	2.56	113.0	3.06	123.1	3.57	133.8	4.02	137.8	4.12	143.2	4.23	147.2	4.30
		45.6	104.3	2.53	113.0	3.02	123.1	3.53	133.8	3.98	137.8	4.09	143.2	4.20	147.2	4.25
	67	12.2	103.3	3.57	111.8	4.14	121.8	4.83	132.4	5.43	136.4	5.56	141.7	5.70	145.7	5.80
		15.2	103.3	3.50	111.8	4.08	121.8	4.75	132.4	5.35	136.4	5.47	141.7	5.61	145.7	5.71
		30.4	103.3	3.21	111.8	3.81	121.8	4.44	132.4	5.00	136.4	5.12	141.7	5.25	145.7	5.36
		38.0	103.3	3.13	111.8	3.73	121.8	4.35	132.4	4.90	136.4	5.03	141.7	5.15	145.7	5.23
		45.6	103.3	3.09	111.8	3.69	121.8	4.31	132.4	4.85	136.4	4.98	141.7	5.10	145.7	5.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	12.2	103.3	4.38	111.8	5.09	121.8	5.93	132.4	6.68	136.4	6.84	141.7	7.00	145.7	7.13
		15.2	103.3	4.30	111.8	5.01	121.8	5.83	132.4	6.57	136.4	6.73	141.7	6.89	145.7	7.02
		30.4	103.3	3.95	111.8	4.68	121.8	5.46	132.4	6.15	136.4	6.30	141.7	6.46	145.7	6.59
		38.0	103.3	3.84	111.8	4.59	121.8	5.35	132.4	6.02	136.4	6.18	141.7	6.34	145.7	6.43
		45.6	103.3	3.79	111.8	4.54	121.8	5.29	132.4	5.96	136.4	6.12	141.7	6.27	145.7	6.35
	86	12.2	103.3	5.30	111.8	6.16	121.8	7.17	132.4	8.07	136.4	8.27	141.7	8.47	145.7	8.61
		15.2	103.3	5.19	111.8	6.06	121.8	7.06	132.4	7.94	136.4	8.14	141.7	8.33	145.7	8.48
		30.4	103.3	4.78	111.8	5.66	121.8	6.59	132.4	7.43	136.4	7.61	141.7	7.81	145.7	7.97
		38.0	103.3	4.64	111.8	5.54	121.8	6.46	132.4	7.28	136.4	7.47	141.7	7.66	145.7	7.78
		45.6	103.3	4.58	111.8	5.48	121.8	6.39	132.4	7.21	136.4	7.40	141.7	7.59	145.7	7.68
	95	12.2	94.5	5.43	102.3	6.31	111.5	7.35	121.2	8.28	124.8	8.48	129.7	8.68	133.3	8.83
		15.2	94.5	5.32	102.3	6.21	111.5	7.23	121.2	8.15	124.8	8.34	129.7	8.55	133.3	8.70
		30.4	94.5	4.89	102.3	5.80	111.5	6.76	121.2	7.61	124.8	7.80	129.7	8.01	133.3	8.16
		38.0	94.5	4.76	102.3	5.68	111.5	6.63	121.2	7.46	124.8	7.66	129.7	7.85	133.3	7.97
		45.6	94.5	4.69	102.3	5.63	111.5	6.56	121.2	7.39	124.8	7.59	129.7	7.77	133.3	7.87
	104	12.2	85.8	5.85	92.8	6.79	101.2	7.91	109.9	8.91	113.3	9.12	117.7	9.34	120.9	9.51
		15.2	85.8	5.73	92.8	6.68	101.2	7.79	109.9	8.77	113.3	8.98	117.7	9.20	120.9	9.36
		30.4	85.8	5.27	92.8	6.25	101.2	7.28	109.9	8.19	113.3	8.40	117.7	8.62	120.9	8.78
		38.0	85.8	5.12	92.8	6.12	101.2	7.13	109.9	8.04	113.3	8.24	117.7	8.45	120.9	8.58
		45.6	85.8	5.05	92.8	6.05	101.2	7.05	109.9	7.96	113.3	8.16	117.7	8.37	120.9	8.48
	113	12.2	77.0	6.26	83.3	7.27	90.8	8.48	98.7	9.54	101.7	9.77	105.7	10.00	108.5	10.19
		15.2	77.0	6.14	83.3	7.15	90.8	8.34	98.7	9.39	101.7	9.61	105.7	9.85	108.5	10.03
		30.4	77.0	5.65	83.3	6.70	90.8	7.79	98.7	8.77	101.7	8.99	105.7	9.23	108.5	9.40
		38.0	77.0	5.48	83.3	6.55	90.8	7.63	98.7	8.61	101.7	8.82	105.7	9.06	108.5	9.19
		45.6	77.0	5.40	83.3	6.47	90.8	7.55	98.7	8.53	101.7	8.74	105.7	8.97	108.5	9.08
110	23	8.1	99.7	2.08	107.8	2.42	117.5	2.82	127.7	3.17	131.4	3.26	136.5	3.32	140.4	3.40
	32	9.0	99.7	2.08	107.8	2.42	117.5	2.82	127.7	3.17	131.4	3.26	136.5	3.32	140.4	3.40
	41	10.4	99.7	2.08	107.8	2.42	117.5	2.82	127.7	3.17	131.4	3.26	136.5	3.32	140.4	3.40
	50	12.2	99.7	2.08	107.8	2.42	117.5	2.82	127.7	3.17	131.4	3.26	136.5	3.32	140.4	3.40
		15.2	99.7	2.04	107.8	2.38	117.5	2.77	127.7	3.12	131.4	3.20	136.5	3.27	140.4	3.35
		30.4	99.7	1.87	107.8	2.23	117.5	2.60	127.7	2.92	131.4	3.00	136.5	3.08	140.4	3.14
		38.0	99.7	1.82	107.8	2.18	117.5	2.54	127.7	2.87	131.4	2.94	136.5	3.01	140.4	3.04
		45.6	99.7	1.79	107.8	2.16	117.5	2.51	127.7	2.85	131.4	2.91	136.5	2.98	140.4	3.00
	59	12.2	99.0	2.79	107.2	3.24	116.8	3.78	126.9	4.26	130.7	4.36	135.8	4.46	139.6	4.55
		15.2	99.0	2.74	107.2	3.19	116.8	3.72	126.9	4.19	130.7	4.29	135.8	4.39	139.6	4.48
		30.4	99.0	2.52	107.2	2.99	116.8	3.48	126.9	3.91	130.7	4.01	135.8	4.12	139.6	4.19
		38.0	99.0	2.45	107.2	2.92	116.8	3.40	126.9	3.84	130.7	3.94	135.8	4.04	139.6	4.09
		45.6	99.0	2.41	107.2	2.89	116.8	3.36	126.9	3.81	130.7	3.90	135.8	4.00	139.6	4.03
	67	12.2	98.4	3.42	106.6	3.98	116.1	4.63	126.3	5.22	130.0	5.34	135.1	5.47	138.8	5.57
		15.2	98.4	3.36	106.6	3.91	116.1	4.56	126.3	5.14	130.0	5.25	135.1	5.39	138.8	5.48
		30.4	98.4	3.09	106.6	3.66	116.1	4.27	126.3	4.80	130.0	4.92	135.1	5.04	138.8	5.14
		38.0	98.4	3.00	106.6	3.58	116.1	4.17	126.3	4.70	130.0	4.82	135.1	4.95	138.8	5.01
		45.6	98.4	2.96	106.6	3.54	116.1	4.12	126.3	4.66	130.0	4.78	135.1	4.90	138.8	4.95
	75	12.2	98.4	4.19	106.6	4.87	116.1	5.67	126.3	6.39	130.0	6.54	135.1	6.70	138.8	6.82
		15.2	98.4	4.11	106.6	4.79	116.1	5.58	126.3	6.29	130.0	6.44	135.1	6.59	138.8	6.71
		30.4	98.4	3.78	106.6	4.48	116.1	5.22	126.3	5.88	130.0	6.02	135.1	6.18	138.8	6.29
		38.0	98.4	3.68	106.6	4.38	116.1	5.11	126.3	5.76	130.0	5.90	135.1	6.06	138.8	6.13
		45.6	98.4	3.63	106.6	4.34	116.1	5.06	126.3	5.70	130.0	5.85	135.1	6.00	138.8	6.05
	86	12.2	98.4	5.11	106.6	5.94	116.1	6.92	126.3	7.79	130.0	7.98	135.1	8.17	138.8	8.32
		15.2	98.4	5.01	106.6	5.84	116.1	6.81	126.3	7.66	130.0	7.85	135.1	8.04	138.8	8.19
		30.4	98.4	4.60	106.6	5.47	116.1	6.36	126.3	7.17	130.0	7.34	135.1	7.53	138.8	7.67
		38.0	98.4	4.48	106.6	5.35	116.1	6.23	126.3	7.03	130.0	7.20	135.1	7.39	138.8	7.48
		45.6	98.4	4.41	106.6	5.29	116.1	6.17	126.3	6.96	130.0	7.13	135.1	7.32	138.8	7.39
	95	12.2	91.8	5.31	99.3	6.18	108.2	7.19	117.6	8.10	121.1	8.29	125.8	8.49	129.3	8.64
		15.2	91.8	5.21	99.3	6.08	108.2	7.07	117.6	7.97	121.1	8.15	125.8	8.36	129.3	8.51
		30.4	91.8	4.79	99.3	5.68	108.2	6.62	117.6	7.45	121.1	7.63	125.8	7.83	129.3	7.97
		38.0	91.8	4.66	99.3	5.56	108.2	6.48	117.6	7.30	121.1	7.49	125.8	7.68	129.3	7.78
		45.6	91.8	4.59	99.3	5.50	108.2	6.41	117.6	7.23	121.1	7.42	125.8	7.60	129.3	7.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	12.2	85.0	5.84	92.1	6.78	100.3	7.90	109.0	8.89	112.3	9.11	116.6	9.33	119.8	9.49
		15.2	85.0	5.72	92.1	6.67	100.3	7.77	109.0	8.75	112.3	8.96	116.6	9.18	119.8	9.35
		30.4	85.0	5.26	92.1	6.24	100.3	7.27	109.0	8.19	112.3	8.38	116.6	8.60	119.8	8.76
		38.0	85.0	5.11	92.1	6.11	100.3	7.12	109.0	8.02	112.3	8.23	116.6	8.44	119.8	8.54
		45.6	85.0	5.04	92.1	6.04	100.3	7.05	109.0	7.94	112.3	8.15	116.6	8.35	119.8	8.43
	113	12.2	78.3	6.37	84.8	7.39	92.3	8.61	100.4	9.69	103.4	9.93	107.3	10.16	110.3	10.35
		15.2	78.3	6.24	84.8	7.27	92.3	8.47	100.4	9.53	103.4	9.77	107.3	10.01	110.3	10.19
		30.4	78.3	5.73	84.8	6.81	92.3	7.92	100.4	8.92	103.4	9.13	107.3	9.38	110.3	9.54
		38.0	78.3	5.57	84.8	6.66	92.3	7.76	100.4	8.74	103.4	8.96	107.3	9.20	110.3	9.30
		45.6	78.3	5.49	84.8	6.58	92.3	7.68	100.4	8.65	103.4	8.88	107.3	9.11	110.3	9.18
100	23	8.1	93.6	1.97	101.3	2.28	110.4	2.66	120.0	3.00	123.6	3.07	128.4	3.15	132.0	3.19
	32	9.0	93.6	1.97	101.3	2.28	110.4	2.66	120.0	3.00	123.6	3.07	128.4	3.15	132.0	3.19
	41	10.4	93.6	1.97	101.3	2.28	110.4	2.66	120.0	3.00	123.6	3.07	128.4	3.15	132.0	3.19
	50	12.2	93.6	1.97	101.3	2.28	110.4	2.66	120.0	3.00	123.6	3.07	128.4	3.15	132.0	3.19
		15.2	93.6	1.93	101.3	2.25	110.4	2.62	120.0	2.95	123.6	3.02	128.4	3.09	132.0	3.14
		30.4	93.6	1.77	101.3	2.11	110.4	2.44	120.0	2.75	123.6	2.81	128.4	2.88	132.0	2.93
		38.0	93.6	1.71	101.3	2.05	110.4	2.40	120.0	2.69	123.6	2.77	128.4	2.83	132.0	2.86
		45.6	93.6	1.68	101.3	2.02	110.4	2.38	120.0	2.66	123.6	2.75	128.4	2.80	132.0	2.82
	59	12.2	93.6	2.66	101.3	3.09	110.4	3.60	120.0	4.06	123.6	4.15	128.4	4.26	132.0	4.33
		15.2	93.6	2.61	101.3	3.04	110.4	3.54	120.0	3.99	123.6	4.09	128.4	4.19	132.0	4.26
		30.4	93.6	2.40	101.3	2.85	110.4	3.31	120.0	3.73	123.6	3.82	128.4	3.91	132.0	3.98
		38.0	93.6	2.33	101.3	2.78	110.4	3.25	120.0	3.65	123.6	3.75	128.4	3.84	132.0	3.88
		45.6	93.6	2.29	101.3	2.75	110.4	3.21	120.0	3.61	123.6	3.71	128.4	3.81	132.0	3.83
	67	12.2	93.6	3.28	101.3	3.81	110.4	4.44	120.0	5.00	123.6	5.12	128.4	5.24	132.0	5.34
		15.2	93.6	3.21	101.3	3.75	110.4	4.37	120.0	4.92	123.6	5.03	128.4	5.16	132.0	5.25
		30.4	93.6	2.96	101.3	3.50	110.4	4.09	120.0	4.60	123.6	4.71	128.4	4.83	132.0	4.92
		38.0	93.6	2.88	101.3	3.43	110.4	4.00	120.0	4.51	123.6	4.62	128.4	4.74	132.0	4.79
		45.6	93.6	2.84	101.3	3.40	110.4	3.96	120.0	4.46	123.6	4.57	128.4	4.70	132.0	4.73
	75	12.2	93.6	4.00	101.3	4.65	110.4	5.42	120.0	6.10	123.6	6.24	128.4	6.40	132.0	6.51
		15.2	93.6	3.92	101.3	4.57	110.4	5.33	120.0	6.00	123.6	6.14	128.4	6.30	132.0	6.41
		30.4	93.6	3.61	101.3	4.27	110.4	4.98	120.0	5.61	123.6	5.75	128.4	5.89	132.0	6.00
		38.0	93.6	3.50	101.3	4.19	110.4	4.88	120.0	5.50	123.6	5.64	128.4	5.78	132.0	5.84
		45.6	93.6	3.45	101.3	4.14	110.4	4.83	120.0	5.44	123.6	5.58	128.4	5.72	132.0	5.76
	86	12.2	93.6	4.92	101.3	5.72	110.4	6.66	120.0	7.50	123.6	7.68	128.4	7.86	132.0	8.01
		15.2	93.6	4.82	101.3	5.63	110.4	6.56	120.0	7.38	123.6	7.56	128.4	7.74	132.0	7.88
		30.4	93.6	4.44	101.3	5.26	110.4	6.12	120.0	6.90	123.6	7.06	128.4	7.25	132.0	7.38
		38.0	93.6	4.31	101.3	5.15	110.4	6.00	120.0	6.77	123.6	6.93	128.4	7.11	132.0	7.18
		45.6	93.6	4.25	101.3	5.10	110.4	5.94	120.0	6.70	123.6	6.87	128.4	7.05	132.0	7.08
	95	12.2	88.9	5.19	96.3	6.03	104.9	7.03	114.0	7.91	117.4	8.10	122.0	8.30	125.4	8.45
		15.2	88.9	5.09	96.3	5.94	104.9	6.92	114.0	7.79	117.4	7.97	122.0	8.17	125.4	8.32
		30.4	88.9	4.68	96.3	5.55	104.9	6.47	114.0	7.28	117.4	7.46	122.0	7.64	125.4	7.79
		38.0	88.9	4.56	96.3	5.43	104.9	6.34	114.0	7.14	117.4	7.32	122.0	7.50	125.4	7.58
		45.6	88.9	4.49	96.3	5.38	104.9	6.27	114.0	7.07	117.4	7.25	122.0	7.43	125.4	7.48
	104	12.2	84.3	5.82	91.3	6.78	99.3	7.89	108.0	8.89	111.3	9.09	115.6	9.31	118.8	9.48
		15.2	84.3	5.71	91.3	6.66	99.3	7.76	108.0	8.74	111.3	8.95	115.6	9.17	118.8	9.33
		30.4	84.3	5.25	91.3	6.23	99.3	7.25	108.0	8.17	111.3	8.37	115.6	8.58	118.8	8.73
		38.0	84.3	5.10	91.3	6.09	99.3	7.10	108.0	8.01	111.3	8.21	115.6	8.42	118.8	8.51
		45.6	84.3	5.03	91.3	6.03	99.3	7.03	108.0	7.94	111.3	8.13	115.6	8.34	118.8	8.39
	113	12.2	79.6	6.45	86.2	7.52	93.8	8.75	102.0	9.86	105.1	10.08	109.2	10.33	112.3	10.51
		15.2	79.6	6.33	86.2	7.39	93.8	8.61	102.0	9.70	105.1	9.92	109.2	10.16	112.3	10.34
		30.4	79.6	5.83	86.2	6.90	93.8	8.04	102.0	9.06	105.1	9.28	109.2	9.51	112.3	9.68
		38.0	79.6	5.65	86.2	6.75	93.8	7.87	102.0	8.88	105.1	9.10	109.2	9.34	112.3	9.43
		45.6	79.6	5.57	86.2	6.68	93.8	7.79	102.0	8.80	105.1	9.02	109.2	9.25	112.3	9.31
90	23	8.1	84.3	1.69	91.3	1.96	99.3	2.28	108.0	2.58	111.3	2.63	115.6	2.69	118.8	2.75
	32	9.0	84.3	1.69	91.3	1.96	99.3	2.28	108.0	2.58	111.3	2.63	115.6	2.69	118.8	2.75
	41	10.4	84.3	1.69	91.3	1.96	99.3	2.28	108.0	2.58	111.3	2.63	115.6	2.69	118.8	2.75
	50	12.2	84.3	1.69	91.3	1.96	99.3	2.28	108.0	2.58	111.3	2.63	115.6	2.69	118.8	2.75
		15.2	84.3	1.65	91.3	1.93	99.3	2.25	108.0	2.53	111.3	2.59	115.6	2.65	118.8	2.71
		30.4	84.3	1.52	91.3	1.80	99.3	2.11	108.0	2.36	111.3	2.42	115.6	2.49	118.8	2.53
		38.0	84.3	1.48	91.3	1.76	99.3	2.06	108.0	2.32	111.3	2.38	115.6	2.44	118.8	2.46
		45.6	84.3	1.46	91.3	1.73	99.3	2.03	108.0	2.29	111.3	2.35	115.6	2.42	118.8	2.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	12.2	84.3	2.29	91.3	2.66	99.3	3.10	108.0	3.49	111.3	3.57	115.6	3.66	118.8	3.73
		15.2	84.3	2.24	91.3	2.62	99.3	3.05	108.0	3.43	111.3	3.51	115.6	3.60	118.8	3.67
		30.4	84.3	2.06	91.3	2.45	99.3	2.85	108.0	3.21	111.3	3.29	115.6	3.37	118.8	3.43
		38.0	84.3	2.01	91.3	2.39	99.3	2.79	108.0	3.14	111.3	3.22	115.6	3.31	118.8	3.34
		45.6	84.3	1.98	91.3	2.36	99.3	2.76	108.0	3.11	111.3	3.19	115.6	3.28	118.8	3.29
	67	12.2	84.3	2.82	91.3	3.28	99.3	3.83	108.0	4.30	111.3	4.41	115.6	4.52	118.8	4.60
		15.2	84.3	2.77	91.3	3.23	99.3	3.76	108.0	4.23	111.3	4.34	115.6	4.45	118.8	4.52
		30.4	84.3	2.55	91.3	3.02	99.3	3.51	108.0	3.96	111.3	4.05	115.6	4.16	118.8	4.23
		38.0	84.3	2.48	91.3	2.96	99.3	3.44	108.0	3.88	111.3	3.98	115.6	4.08	118.8	4.12
		45.6	84.3	2.44	91.3	2.92	99.3	3.41	108.0	3.84	111.3	3.94	115.6	4.04	118.8	4.07
	75	12.2	84.3	3.44	91.3	4.00	99.3	4.66	108.0	5.25	111.3	5.37	115.6	5.51	118.8	5.60
		15.2	84.3	3.37	91.3	3.94	99.3	4.59	108.0	5.17	111.3	5.28	115.6	5.42	118.8	5.51
		30.4	84.3	3.11	91.3	3.68	99.3	4.29	108.0	4.83	111.3	4.95	115.6	5.07	118.8	5.16
		38.0	84.3	3.02	91.3	3.60	99.3	4.20	108.0	4.74	111.3	4.85	115.6	4.98	118.8	5.03
		45.6	84.3	2.98	91.3	3.56	99.3	4.16	108.0	4.69	111.3	4.81	115.6	4.93	118.8	4.96
	86	12.2	84.3	4.23	91.3	4.93	99.3	5.73	108.0	6.46	111.3	6.61	115.6	6.77	118.8	6.89
		15.2	84.3	4.15	91.3	4.85	99.3	5.64	108.0	6.35	111.3	6.50	115.6	6.66	118.8	6.78
		30.4	84.3	3.82	91.3	4.52	99.3	5.28	108.0	5.94	111.3	6.08	115.6	6.23	118.8	6.35
		38.0	84.3	3.72	91.3	4.43	99.3	5.17	108.0	5.83	111.3	5.97	115.6	6.12	118.8	6.18
		45.6	84.3	3.67	91.3	4.38	99.3	5.11	108.0	5.77	111.3	5.91	115.6	6.07	118.8	6.09
	95	12.2	81.9	4.57	88.7	5.31	96.6	6.18	105.0	6.97	108.2	7.13	112.3	7.31	115.5	7.43
		15.2	81.9	4.48	88.7	5.22	96.6	6.08	105.0	6.85	108.2	7.02	112.3	7.19	115.5	7.32
		30.4	81.9	4.12	88.7	4.88	96.6	5.69	105.0	6.41	108.2	6.56	112.3	6.73	115.5	6.85
		38.0	81.9	4.01	88.7	4.78	96.6	5.57	105.0	6.28	108.2	6.44	112.3	6.60	115.5	6.67
		45.6	81.9	3.95	88.7	4.73	96.6	5.52	105.0	6.22	108.2	6.37	112.3	6.54	115.5	6.58
	104	12.2	79.6	5.25	86.2	6.10	93.8	7.11	102.0	8.00	105.1	8.19	109.2	8.39	112.2	8.54
		15.2	79.6	5.14	86.2	6.00	93.8	6.99	102.0	7.87	105.1	8.06	109.2	8.26	112.2	8.41
		30.4	79.6	4.74	86.2	5.61	93.8	6.54	102.0	7.36	105.1	7.54	109.2	7.73	112.2	7.87
		38.0	79.6	4.60	86.2	5.49	93.8	6.41	102.0	7.21	105.1	7.39	109.2	7.58	112.2	7.66
		45.6	79.6	4.54	86.2	5.43	93.8	6.34	102.0	7.14	105.1	7.32	109.2	7.51	112.2	7.56
	113	12.2	77.3	5.92	83.7	6.88	91.1	8.03	99.0	9.04	102.0	9.25	106.0	9.47	108.8	9.65
		15.2	77.3	5.81	83.7	6.77	91.1	7.90	99.0	8.89	102.0	9.10	106.0	9.32	108.8	9.50
		30.4	77.3	5.36	83.7	6.34	91.1	7.39	99.0	8.32	102.0	8.51	106.0	8.73	108.8	8.89
		38.0	77.3	5.20	83.7	6.19	91.1	7.24	99.0	8.15	102.0	8.35	106.0	8.56	108.8	8.65
		45.6	77.3	5.12	83.7	6.12	91.1	7.16	99.0	8.06	102.0	8.27	106.0	8.48	108.8	8.53
80	23	8.1	74.9	1.41	81.1	1.65	88.3	1.92	96.0	2.15	98.9	2.21	102.8	2.26	105.6	2.30
	32	9.0	74.9	1.41	81.1	1.65	88.3	1.92	96.0	2.15	98.9	2.21	102.8	2.26	105.6	2.30
	41	10.4	74.9	1.41	81.1	1.65	88.3	1.92	96.0	2.15	98.9	2.21	102.8	2.26	105.6	2.30
	50	12.2	74.9	1.41	81.1	1.65	88.3	1.92	96.0	2.15	98.9	2.21	102.8	2.26	105.6	2.30
		15.2	74.9	1.39	81.1	1.62	88.3	1.89	96.0	2.12	98.9	2.17	102.8	2.22	105.6	2.26
		30.4	74.9	1.28	81.1	1.52	88.3	1.77	96.0	1.98	98.9	2.03	102.8	2.07	105.6	2.12
		38.0	74.9	1.24	81.1	1.48	88.3	1.74	96.0	1.95	98.9	2.00	102.8	2.05	105.6	2.06
		45.6	74.9	1.23	81.1	1.46	88.3	1.72	96.0	1.94	98.9	1.98	102.8	2.04	105.6	2.03
	59	12.2	74.9	1.92	81.1	2.23	88.3	2.60	96.0	2.93	98.9	3.00	102.8	3.07	105.6	3.12
		15.2	74.9	1.88	81.1	2.20	88.3	2.56	96.0	2.88	98.9	2.95	102.8	3.02	105.6	3.07
		30.4	74.9	1.73	81.1	2.05	88.3	2.39	96.0	2.69	98.9	2.75	102.8	2.82	105.6	2.88
		38.0	74.9	1.69	81.1	2.01	88.3	2.34	96.0	2.64	98.9	2.71	102.8	2.78	105.6	2.80
		45.6	74.9	1.66	81.1	1.98	88.3	2.32	96.0	2.62	98.9	2.68	102.8	2.75	105.6	2.76
	67	12.2	74.9	2.37	81.1	2.75	88.3	3.20	96.0	3.61	98.9	3.70	102.8	3.78	105.6	3.86
		15.2	74.9	2.32	81.1	2.71	88.3	3.15	96.0	3.55	98.9	3.64	102.8	3.72	105.6	3.80
		30.4	74.9	2.13	81.1	2.53	88.3	2.95	96.0	3.32	98.9	3.40	102.8	3.49	105.6	3.55
		38.0	74.9	2.08	81.1	2.48	88.3	2.89	96.0	3.25	98.9	3.33	102.8	3.42	105.6	3.46
		45.6	74.9	2.05	81.1	2.45	88.3	2.85	96.0	3.22	98.9	3.30	102.8	3.38	105.6	3.41
	75	12.2	74.9	2.89	81.1	3.35	88.3	3.91	96.0	4.40	98.9	4.50	102.8	4.61	105.6	4.70
		15.2	74.9	2.83	81.1	3.30	88.3	3.84	96.0	4.33	98.9	4.43	102.8	4.54	105.6	4.63
		30.4	74.9	2.60	81.1	3.09	88.3	3.59	96.0	4.05	98.9	4.15	102.8	4.25	105.6	4.33
		38.0	74.9	2.53	81.1	3.02	88.3	3.52	96.0	3.97	98.9	4.07	102.8	4.17	105.6	4.21
		45.6	74.9	2.50	81.1	2.98	88.3	3.49	96.0	3.93	98.9	4.03	102.8	4.13	105.6	4.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	12.2	74.9	3.55	81.1	4.13	88.3	4.81	96.0	5.41	98.9	5.54	102.8	5.67	105.6	5.78
		15.2	74.9	3.48	81.1	4.06	88.3	4.73	96.0	5.32	98.9	5.45	102.8	5.58	105.6	5.68
		30.4	74.9	3.20	81.1	3.80	88.3	4.42	96.0	4.98	98.9	5.10	102.8	5.23	105.6	5.32
		38.0	74.9	3.11	81.1	3.72	88.3	4.33	96.0	4.88	98.9	5.00	102.8	5.13	105.6	5.18
		45.6	74.9	3.07	81.1	3.68	88.3	4.28	96.0	4.84	98.9	4.96	102.8	5.08	105.6	5.11
	95	12.2	74.9	3.94	81.1	4.58	88.3	5.34	96.0	6.02	98.9	6.16	102.8	6.31	105.6	6.42
		15.2	74.9	3.87	81.1	4.51	88.3	5.25	96.0	5.92	98.9	6.06	102.8	6.21	105.6	6.32
		30.4	74.9	3.56	81.1	4.22	88.3	4.92	96.0	5.54	98.9	5.66	102.8	5.81	105.6	5.91
		38.0	74.9	3.46	81.1	4.12	88.3	4.81	96.0	5.43	98.9	5.56	102.8	5.70	105.6	5.76
		45.6	74.9	3.41	81.1	4.08	88.3	4.76	96.0	5.37	98.9	5.51	102.8	5.65	105.6	5.68
	104	12.2	74.9	4.67	81.1	5.43	88.3	6.33	96.0	7.12	98.9	7.29	102.8	7.47	105.6	7.60
		15.2	74.9	4.58	81.1	5.34	88.3	6.23	96.0	7.01	98.9	7.17	102.8	7.35	105.6	7.48
		30.4	74.9	4.21	81.1	4.99	88.3	5.82	96.0	6.56	98.9	6.70	102.8	6.88	105.6	7.00
		38.0	74.9	4.09	81.1	4.88	88.3	5.70	96.0	6.42	98.9	6.58	102.8	6.75	105.6	6.82
		45.6	74.9	4.03	81.1	4.83	88.3	5.64	96.0	6.36	98.9	6.52	102.8	6.69	105.6	6.73
	113	12.2	74.9	5.40	81.1	6.27	88.3	7.32	96.0	8.23	98.9	8.42	102.8	8.62	105.6	8.78
		15.2	74.9	5.29	81.1	6.17	88.3	7.20	96.0	8.10	98.9	8.29	102.8	8.48	105.6	8.64
		30.4	74.9	4.86	81.1	5.77	88.3	6.72	96.0	7.57	98.9	7.75	102.8	7.94	105.6	8.09
		38.0	74.9	4.73	81.1	5.65	88.3	6.59	96.0	7.42	98.9	7.60	102.8	7.80	105.6	7.89
		45.6	74.9	4.66	81.1	5.58	88.3	6.52	96.0	7.34	98.9	7.52	102.8	7.73	105.6	7.79
70	23	8.1	65.5	1.17	70.9	1.37	77.3	1.60	84.0	1.80	86.5	1.83	89.9	1.88	92.4	1.92
	32	9.0	65.5	1.17	70.9	1.37	77.3	1.60	84.0	1.80	86.5	1.83	89.9	1.88	92.4	1.92
	41	10.4	65.5	1.17	70.9	1.37	77.3	1.60	84.0	1.80	86.5	1.83	89.9	1.88	92.4	1.92
	50	12.2	65.5	1.17	70.9	1.37	77.3	1.60	84.0	1.80	86.5	1.83	89.9	1.88	92.4	1.92
		15.2	65.5	1.15	70.9	1.35	77.3	1.57	84.0	1.77	86.5	1.80	89.9	1.85	92.4	1.89
		30.4	65.5	1.06	70.9	1.27	77.3	1.45	84.0	1.64	86.5	1.69	89.9	1.73	92.4	1.77
		38.0	65.5	1.03	70.9	1.23	77.3	1.43	84.0	1.62	86.5	1.66	89.9	1.70	92.4	1.72
		45.6	65.5	1.01	70.9	1.21	77.3	1.42	84.0	1.61	86.5	1.64	89.9	1.68	92.4	1.70
	59	12.2	65.5	1.59	70.9	1.86	77.3	2.16	84.0	2.43	86.5	2.49	89.9	2.55	92.4	2.60
		15.2	65.5	1.56	70.9	1.83	77.3	2.12	84.0	2.39	86.5	2.45	89.9	2.51	92.4	2.56
		30.4	65.5	1.43	70.9	1.71	77.3	1.98	84.0	2.23	86.5	2.29	89.9	2.35	92.4	2.39
		38.0	65.5	1.40	70.9	1.67	77.3	1.94	84.0	2.20	86.5	2.25	89.9	2.31	92.4	2.33
		45.6	65.5	1.38	70.9	1.65	77.3	1.93	84.0	2.18	86.5	2.23	89.9	2.28	92.4	2.30
	67	12.2	65.5	1.97	70.9	2.29	77.3	2.66	84.0	3.00	86.5	3.07	89.9	3.15	92.4	3.20
		15.2	65.5	1.93	70.9	2.25	77.3	2.62	84.0	2.95	86.5	3.02	89.9	3.10	92.4	3.15
		30.4	65.5	1.77	70.9	2.10	77.3	2.45	84.0	2.76	86.5	2.82	89.9	2.90	92.4	2.95
		38.0	65.5	1.73	70.9	2.06	77.3	2.40	84.0	2.71	86.5	2.78	89.9	2.85	92.4	2.87
		45.6	65.5	1.70	70.9	2.04	77.3	2.37	84.0	2.68	86.5	2.75	89.9	2.82	92.4	2.83
	75	12.2	65.5	2.40	70.9	2.79	77.3	3.25	84.0	3.66	86.5	3.75	89.9	3.84	92.4	3.90
		15.2	65.5	2.35	70.9	2.74	77.3	3.20	84.0	3.60	86.5	3.69	89.9	3.78	92.4	3.84
		30.4	65.5	2.16	70.9	2.56	77.3	2.99	84.0	3.36	86.5	3.44	89.9	3.54	92.4	3.60
		38.0	65.5	2.10	70.9	2.51	77.3	2.92	84.0	3.30	86.5	3.38	89.9	3.47	92.4	3.50
		45.6	65.5	2.07	70.9	2.48	77.3	2.89	84.0	3.27	86.5	3.35	89.9	3.43	92.4	3.46
	86	12.2	65.5	2.95	70.9	3.43	77.3	3.99	84.0	4.50	86.5	4.61	89.9	4.72	92.4	4.81
		15.2	65.5	2.89	70.9	3.37	77.3	3.93	84.0	4.43	86.5	4.53	89.9	4.64	92.4	4.73
		30.4	65.5	2.66	70.9	3.15	77.3	3.68	84.0	4.14	86.5	4.24	89.9	4.34	92.4	4.42
		38.0	65.5	2.59	70.9	3.09	77.3	3.60	84.0	4.06	86.5	4.16	89.9	4.27	92.4	4.31
		45.6	65.5	2.55	70.9	3.06	77.3	3.56	84.0	4.02	86.5	4.11	89.9	4.23	92.4	4.26
	95	12.2	65.5	3.28	70.9	3.81	77.3	4.44	84.0	5.00	86.5	5.12	89.9	5.24	92.4	5.34
		15.2	65.5	3.21	70.9	3.75	77.3	4.37	84.0	4.92	86.5	5.03	89.9	5.16	92.4	5.25
		30.4	65.5	2.96	70.9	3.50	77.3	4.09	84.0	4.60	86.5	4.71	89.9	4.83	92.4	4.92
		38.0	65.5	2.88	70.9	3.43	77.3	4.00	84.0	4.51	86.5	4.62	89.9	4.74	92.4	4.79
		45.6	65.5	2.84	70.9	3.40	77.3	3.96	84.0	4.46	86.5	4.57	89.9	4.69	92.4	4.73
	104	12.2	65.5	3.89	70.9	4.51	77.3	5.26	84.0	5.92	86.5	6.07	89.9	6.21	92.4	6.32
		15.2	65.5	3.81	70.9	4.44	77.3	5.18	84.0	5.83	86.5	5.97	89.9	6.11	92.4	6.22
		30.4	65.5	3.50	70.9	4.16	77.3	4.84	84.0	5.45	86.5	5.57	89.9	5.72	92.4	5.83
		38.0	65.5	3.40	70.9	4.06	77.3	4.74	84.0	5.34	86.5	5.47	89.9	5.61	92.4	5.67
		45.6	65.5	3.35	70.9	4.01	77.3	4.69	84.0	5.29	86.5	5.42	89.9	5.56	92.4	5.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	12.2	65.5	4.50	70.9	5.21	77.3	6.08	84.0	6.85	86.5	7.02	89.9	7.17	92.4	7.30
		15.2	65.5	4.41	70.9	5.13	77.3	5.98	84.0	6.74	86.5	6.90	89.9	7.06	92.4	7.18
		30.4	65.5	4.05	70.9	4.81	77.3	5.59	84.0	6.30	86.5	6.44	89.9	6.60	92.4	6.74
		38.0	65.5	3.93	70.9	4.69	77.3	5.47	84.0	6.17	86.5	6.33	89.9	6.49	92.4	6.55
		45.6	65.5	3.87	70.9	4.63	77.3	5.41	84.0	6.11	86.5	6.27	89.9	6.44	92.4	6.45
60	23	8.1	56.2	0.94	60.8	1.08	66.3	1.27	72.0	1.43	74.2	1.46	77.0	1.49	79.2	1.54
	32	9.0	56.2	0.94	60.8	1.08	66.3	1.27	72.0	1.43	74.2	1.46	77.0	1.49	79.2	1.54
	41	10.4	56.2	0.94	60.8	1.08	66.3	1.27	72.0	1.43	74.2	1.46	77.0	1.49	79.2	1.54
	50	12.2	56.2	0.94	60.8	1.08	66.3	1.27	72.0	1.43	74.2	1.46	77.0	1.49	79.2	1.54
		15.2	56.2	0.92	60.8	1.06	66.3	1.25	72.0	1.40	74.2	1.44	77.0	1.47	79.2	1.51
		30.4	56.2	0.84	60.8	0.99	66.3	1.17	72.0	1.30	74.2	1.35	77.0	1.38	79.2	1.40
		38.0	56.2	0.82	60.8	0.99	66.3	1.15	72.0	1.29	74.2	1.33	77.0	1.35	79.2	1.37
		45.6	56.2	0.81	60.8	0.99	66.3	1.14	72.0	1.28	74.2	1.32	77.0	1.33	79.2	1.36
	59	12.2	56.2	1.27	60.8	1.47	66.3	1.72	72.0	1.94	74.2	1.98	77.0	2.03	79.2	2.07
		15.2	56.2	1.25	60.8	1.45	66.3	1.69	72.0	1.91	74.2	1.95	77.0	2.00	79.2	2.04
		30.4	56.2	1.14	60.8	1.36	66.3	1.58	72.0	1.78	74.2	1.83	77.0	1.87	79.2	1.91
		38.0	56.2	1.11	60.8	1.33	66.3	1.55	72.0	1.75	74.2	1.80	77.0	1.83	79.2	1.86
		45.6	56.2	1.10	60.8	1.32	66.3	1.54	72.0	1.73	74.2	1.78	77.0	1.82	79.2	1.83
	67	12.2	56.2	1.57	60.8	1.83	66.3	2.12	72.0	2.39	74.2	2.45	77.0	2.51	79.2	2.55
		15.2	56.2	1.54	60.8	1.80	66.3	2.09	72.0	2.35	74.2	2.41	77.0	2.47	79.2	2.51
		30.4	56.2	1.41	60.8	1.68	66.3	1.95	72.0	2.20	74.2	2.25	77.0	2.31	79.2	2.35
		38.0	56.2	1.37	60.8	1.64	66.3	1.91	72.0	2.16	74.2	2.21	77.0	2.27	79.2	2.29
		45.6	56.2	1.35	60.8	1.62	66.3	1.89	72.0	2.13	74.2	2.19	77.0	2.24	79.2	2.26
	75	12.2	56.2	1.91	60.8	2.22	66.3	2.59	72.0	2.92	74.2	2.99	77.0	3.06	79.2	3.12
		15.2	56.2	1.87	60.8	2.19	66.3	2.55	72.0	2.87	74.2	2.94	77.0	3.01	79.2	3.07
		30.4	56.2	1.73	60.8	2.05	66.3	2.38	72.0	2.68	74.2	2.74	77.0	2.81	79.2	2.87
		38.0	56.2	1.68	60.8	2.00	66.3	2.34	72.0	2.63	74.2	2.70	77.0	2.77	79.2	2.79
		45.6	56.2	1.65	60.8	1.98	66.3	2.31	72.0	2.60	74.2	2.67	77.0	2.74	79.2	2.75
	86	12.2	56.2	2.35	60.8	2.73	66.3	3.19	72.0	3.59	74.2	3.67	77.0	3.76	79.2	3.83
		15.2	56.2	2.31	60.8	2.69	66.3	3.14	72.0	3.53	74.2	3.61	77.0	3.70	79.2	3.77
		30.4	56.2	2.12	60.8	2.52	66.3	2.93	72.0	3.30	74.2	3.38	77.0	3.47	79.2	3.53
		38.0	56.2	2.06	60.8	2.46	66.3	2.87	72.0	3.24	74.2	3.32	77.0	3.40	79.2	3.43
		45.6	56.2	2.03	60.8	2.43	66.3	2.84	72.0	3.21	74.2	3.29	77.0	3.37	79.2	3.39
	95	12.2	56.2	2.62	60.8	3.04	66.3	3.54	72.0	3.98	74.2	4.08	77.0	4.18	79.2	4.25
		15.2	56.2	2.56	60.8	2.99	66.3	3.48	72.0	3.92	74.2	4.01	77.0	4.12	79.2	4.19
		30.4	56.2	2.36	60.8	2.79	66.3	3.25	72.0	3.67	74.2	3.76	77.0	3.85	79.2	3.92
		38.0	56.2	2.29	60.8	2.74	66.3	3.19	72.0	3.59	74.2	3.69	77.0	3.78	79.2	3.82
		45.6	56.2	2.25	60.8	2.71	66.3	3.16	72.0	3.55	74.2	3.65	77.0	3.74	79.2	3.77
	104	12.2	56.2	3.10	60.8	3.60	66.3	4.19	72.0	4.72	74.2	4.83	77.0	4.95	79.2	5.04
		15.2	56.2	3.03	60.8	3.54	66.3	4.12	72.0	4.64	74.2	4.75	77.0	4.87	79.2	4.96
		30.4	56.2	2.79	60.8	3.31	66.3	3.86	72.0	4.34	74.2	4.45	77.0	4.56	79.2	4.64
		38.0	56.2	2.71	60.8	3.24	66.3	3.78	72.0	4.26	74.2	4.36	77.0	4.48	79.2	4.52
		45.6	56.2	2.67	60.8	3.20	66.3	3.74	72.0	4.21	74.2	4.32	77.0	4.44	79.2	4.45
	113	12.2	56.2	3.58	60.8	4.17	66.3	4.84	72.0	5.45	74.2	5.58	77.0	5.71	79.2	5.83
		15.2	56.2	3.50	60.8	4.10	66.3	4.77	72.0	5.36	74.2	5.49	77.0	5.62	79.2	5.74
		30.4	56.2	3.22	60.8	3.83	66.3	4.46	72.0	5.02	74.2	5.14	77.0	5.26	79.2	5.36
		38.0	56.2	3.14	60.8	3.74	66.3	4.37	72.0	4.92	74.2	5.03	77.0	5.18	79.2	5.21
		45.6	56.2	3.09	60.8	3.70	66.3	4.32	72.0	4.88	74.2	4.98	77.0	5.13	79.2	5.14
50	23	8.1	46.8	0.71	50.7	0.80	55.2	0.94	60.0	1.05	61.8	1.10	64.2	1.11	66.0	1.15
	32	9.0	46.8	0.71	50.7	0.80	55.2	0.94	60.0	1.05	61.8	1.10	64.2	1.11	66.0	1.15
	41	10.4	46.8	0.71	50.7	0.80	55.2	0.94	60.0	1.05	61.8	1.10	64.2	1.11	66.0	1.15
	50	12.2	46.8	0.71	50.7	0.80	55.2	0.94	60.0	1.05	61.8	1.10	64.2	1.11	66.0	1.15
		15.2	46.8	0.69	50.7	0.79	55.2	0.93	60.0	1.04	61.8	1.08	64.2	1.09	66.0	1.12
		30.4	46.8	0.63	50.7	0.75	55.2	0.88	60.0	0.99	61.8	1.01	64.2	1.03	66.0	1.04
		38.0	46.8	0.61	50.7	0.74	55.2	0.86	60.0	0.96	61.8	0.98	64.2	1.01	66.0	1.03
		45.6	46.8	0.60	50.7	0.74	55.2	0.85	60.0	0.94	61.8	0.96	64.2	1.00	66.0	1.02
	59	12.2	46.8	0.95	50.7	1.10	55.2	1.28	60.0	1.44	61.8	1.48	64.2	1.51	66.0	1.55
		15.2	46.8	0.93	50.7	1.08	55.2	1.26	60.0	1.42	61.8	1.46	64.2	1.49	66.0	1.52
		30.4	46.8	0.85	50.7	1.01	55.2	1.18	60.0	1.33	61.8	1.36	64.2	1.40	66.0	1.42
		38.0	46.8	0.83	50.7	1.00	55.2	1.16	60.0	1.30	61.8	1.33	64.2	1.37	66.0	1.39
		45.6	46.8	0.82	50.7	0.99	55.2	1.15	60.0	1.29	61.8	1.32	64.2	1.36	66.0	1.37

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	12.2	46.8	1.17	50.7	1.36	55.2	1.59	60.0	1.79	61.8	1.83	64.2	1.87	66.0	1.90
		15.2	46.8	1.14	50.7	1.34	55.2	1.56	60.0	1.76	61.8	1.80	64.2	1.84	66.0	1.87
		30.4	46.8	1.05	50.7	1.25	55.2	1.46	60.0	1.64	61.8	1.68	64.2	1.73	66.0	1.76
		38.0	46.8	1.03	50.7	1.22	55.2	1.43	60.0	1.61	61.8	1.65	64.2	1.69	66.0	1.71
		45.6	46.8	1.02	50.7	1.21	55.2	1.41	60.0	1.59	61.8	1.63	64.2	1.68	66.0	1.69
	75	12.2	46.8	1.42	50.7	1.66	55.2	1.93	60.0	2.18	61.8	2.22	64.2	2.28	66.0	2.32
		15.2	46.8	1.40	50.7	1.63	55.2	1.90	60.0	2.14	61.8	2.19	64.2	2.24	66.0	2.28
		30.4	46.8	1.29	50.7	1.52	55.2	1.78	60.0	2.00	61.8	2.05	64.2	2.10	66.0	2.14
		38.0	46.8	1.25	50.7	1.49	55.2	1.74	60.0	1.96	61.8	2.01	64.2	2.06	66.0	2.09
		45.6	46.8	1.23	50.7	1.47	55.2	1.72	60.0	1.94	61.8	1.99	64.2	2.04	66.0	2.06
	86	12.2	46.8	1.75	50.7	2.04	55.2	2.37	60.0	2.68	61.8	2.74	64.2	2.80	66.0	2.85
		15.2	46.8	1.72	50.7	2.01	55.2	2.34	60.0	2.63	61.8	2.70	64.2	2.76	66.0	2.81
		30.4	46.8	1.58	50.7	1.87	55.2	2.19	60.0	2.46	61.8	2.52	64.2	2.59	66.0	2.63
		38.0	46.8	1.54	50.7	1.83	55.2	2.14	60.0	2.42	61.8	2.47	64.2	2.53	66.0	2.56
		45.6	46.8	1.51	50.7	1.82	55.2	2.12	60.0	2.39	61.8	2.45	64.2	2.51	66.0	2.53
	95	12.2	46.8	1.95	50.7	2.26	55.2	2.64	60.0	2.97	61.8	3.04	64.2	3.12	66.0	3.17
		15.2	46.8	1.91	50.7	2.23	55.2	2.60	60.0	2.92	61.8	3.00	64.2	3.07	66.0	3.12
		30.4	46.8	1.76	50.7	2.09	55.2	2.43	60.0	2.74	61.8	2.80	64.2	2.87	66.0	2.92
		38.0	46.8	1.71	50.7	2.04	55.2	2.38	60.0	2.68	61.8	2.74	64.2	2.81	66.0	2.85
		45.6	46.8	1.69	50.7	2.02	55.2	2.35	60.0	2.65	61.8	2.72	64.2	2.79	66.0	2.81
	104	12.2	46.8	2.31	50.7	2.69	55.2	3.12	60.0	3.52	61.8	3.60	64.2	3.69	66.0	3.76
		15.2	46.8	2.27	50.7	2.64	55.2	3.07	60.0	3.47	61.8	3.54	64.2	3.63	66.0	3.70
		30.4	46.8	2.08	50.7	2.47	55.2	2.88	60.0	3.24	61.8	3.32	64.2	3.40	66.0	3.46
		38.0	46.8	2.02	50.7	2.42	55.2	2.81	60.0	3.18	61.8	3.25	64.2	3.33	66.0	3.37
		45.6	46.8	2.00	50.7	2.39	55.2	2.78	60.0	3.14	61.8	3.22	64.2	3.30	66.0	3.33
	113	12.2	46.8	2.67	50.7	3.11	55.2	3.61	60.0	4.07	61.8	4.16	64.2	4.26	66.0	4.35
		15.2	46.8	2.62	50.7	3.06	55.2	3.55	60.0	4.01	61.8	4.09	64.2	4.19	66.0	4.28
		30.4	46.8	2.40	50.7	2.85	55.2	3.32	60.0	3.74	61.8	3.83	64.2	3.94	66.0	3.99
		38.0	46.8	2.34	50.7	2.79	55.2	3.25	60.0	3.67	61.8	3.76	64.2	3.85	66.0	3.90
		45.6	46.8	2.31	50.7	2.76	55.2	3.22	60.0	3.63	61.8	3.73	64.2	3.81	66.0	3.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

Due to our policy of continuous product innovation, some specifications may change without notification.
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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	9.4	133.8	2.72	145.0	3.20	157.8	3.72	171.5	4.17	176.7	4.27	183.5	4.41	188.7	4.47
	32	10.5	133.8	2.72	145.0	3.20	157.8	3.72	171.5	4.17	176.7	4.27	183.5	4.41	188.7	4.47
	41	12.1	133.8	2.72	145.0	3.20	157.8	3.72	171.5	4.17	176.7	4.27	183.5	4.41	188.7	4.47
	50	14.2	133.8	2.72	145.0	3.20	157.8	3.72	171.5	4.17	176.7	4.27	183.5	4.41	188.7	4.47
		17.8	133.8	2.68	145.0	3.14	157.8	3.66	171.5	4.11	176.7	4.20	183.5	4.33	188.7	4.40
		35.5	133.8	2.48	145.0	2.91	157.8	3.40	171.5	3.84	176.7	3.95	183.5	4.03	188.7	4.13
		44.4	133.8	2.41	145.0	2.87	157.8	3.35	171.5	3.75	176.7	3.87	183.5	3.97	188.7	4.02
		53.3	133.8	2.38	145.0	2.85	157.8	3.32	171.5	3.71	176.7	3.82	183.5	3.93	188.7	3.96
	59	14.2	131.7	3.59	142.6	4.19	155.3	4.88	168.8	5.48	173.9	5.61	180.6	5.76	185.7	5.86
		17.8	131.7	3.52	142.6	4.12	155.3	4.80	168.8	5.39	173.9	5.52	180.6	5.67	185.7	5.77
		35.5	131.7	3.25	142.6	3.84	155.3	4.48	168.8	5.05	173.9	5.18	180.6	5.31	185.7	5.42
		44.4	131.7	3.16	142.6	3.77	155.3	4.39	168.8	4.94	173.9	5.08	180.6	5.21	185.7	5.29
		53.3	131.7	3.12	142.6	3.73	155.3	4.35	168.8	4.89	173.9	5.02	180.6	5.15	185.7	5.23
	67	14.2	129.8	4.37	140.5	5.07	153.1	5.91	166.4	6.65	171.4	6.81	178.0	6.96	183.0	7.10
		17.8	129.8	4.28	140.5	4.99	153.1	5.81	166.4	6.54	171.4	6.70	178.0	6.86	183.0	6.99
		35.5	129.8	3.93	140.5	4.67	153.1	5.44	166.4	6.12	171.4	6.26	178.0	6.44	183.0	6.57
		44.4	129.8	3.83	140.5	4.57	153.1	5.32	166.4	6.00	171.4	6.15	178.0	6.31	183.0	6.42
		53.3	129.8	3.78	140.5	4.52	153.1	5.26	166.4	5.94	171.4	6.09	178.0	6.24	183.0	6.35
	75	14.2	129.8	5.38	140.5	6.25	153.1	7.28	166.4	8.21	171.4	8.40	178.0	8.60	183.0	8.74
		17.8	129.8	5.28	140.5	6.15	153.1	7.16	166.4	8.08	171.4	8.27	178.0	8.47	183.0	8.61
		35.5	129.8	4.86	140.5	5.76	153.1	6.70	166.4	7.54	171.4	7.73	178.0	7.95	183.0	8.09
		44.4	129.8	4.71	140.5	5.63	153.1	6.57	166.4	7.40	171.4	7.58	178.0	7.79	183.0	7.92
		53.3	129.8	4.64	140.5	5.56	153.1	6.50	166.4	7.32	171.4	7.51	178.0	7.71	183.0	7.83
	86	14.2	129.8	6.47	140.5	7.50	153.1	8.74	166.4	9.85	171.4	10.08	178.0	10.33	183.0	10.50
		17.8	129.8	6.34	140.5	7.38	153.1	8.60	166.4	9.69	171.4	9.92	178.0	10.16	183.0	10.34
		35.5	129.8	5.81	140.5	6.90	153.1	8.05	166.4	9.05	171.4	9.28	178.0	9.53	183.0	9.72
		44.4	129.8	5.66	140.5	6.76	153.1	7.87	166.4	8.87	171.4	9.11	178.0	9.34	183.0	9.50
		53.3	129.8	5.57	140.5	6.68	153.1	7.79	166.4	8.79	171.4	9.02	178.0	9.24	183.0	9.39
	95	14.2	116.8	6.52	126.5	7.59	137.7	8.84	149.7	9.94	154.2	10.20	160.2	10.45	164.7	10.61
		17.8	116.8	6.39	126.5	7.47	137.7	8.70	149.7	9.79	154.2	10.03	160.2	10.28	164.7	10.45
		35.5	116.8	5.89	126.5	6.97	137.7	8.13	149.7	9.16	154.2	9.38	160.2	9.63	164.7	9.83
		44.4	116.8	5.73	126.5	6.83	137.7	7.96	149.7	8.98	154.2	9.21	160.2	9.44	164.7	9.60
		53.3	116.8	5.65	126.5	6.76	137.7	7.87	149.7	8.88	154.2	9.12	160.2	9.34	164.7	9.48
	104	14.2	103.8	6.90	112.4	8.00	122.4	9.33	133.1	10.49	137.1	10.74	142.4	11.00	146.4	11.20
		17.8	103.8	6.76	112.4	7.87	122.4	9.18	133.1	10.32	137.1	10.57	142.4	10.83	146.4	11.03
		35.5	103.8	6.21	112.4	7.37	122.4	8.58	133.1	9.66	137.1	9.90	142.4	10.16	146.4	10.37
		44.4	103.8	6.03	112.4	7.21	122.4	8.40	133.1	9.47	137.1	9.72	142.4	9.96	146.4	10.14
		53.3	103.8	5.94	112.4	7.13	122.4	8.30	133.1	9.37	137.1	9.62	142.4	9.86	146.4	10.02
	113	14.2	90.8	7.27	98.3	8.41	107.1	9.81	116.5	11.04	120.0	11.28	124.6	11.55	128.1	11.79
		17.8	90.8	7.12	98.3	8.28	107.1	9.66	116.5	10.86	120.0	11.11	124.6	11.38	128.1	11.61
		35.5	90.8	6.53	98.3	7.76	107.1	9.03	116.5	10.15	120.0	10.43	124.6	10.70	128.1	10.90
		44.4	90.8	6.34	98.3	7.58	107.1	8.83	116.5	9.96	120.0	10.22	124.6	10.48	128.1	10.67
		53.3	90.8	6.24	98.3	7.50	107.1	8.73	116.5	9.87	120.0	10.12	124.6	10.37	128.1	10.56
120	23	9.4	126.7	2.60	137.2	3.03	149.4	3.51	162.3	3.95	167.3	4.08	173.8	4.17	178.6	4.22
	32	10.5	126.7	2.60	137.2	3.03	149.4	3.51	162.3	3.95	167.3	4.08	173.8	4.17	178.6	4.22
	41	12.1	126.7	2.60	137.2	3.03	149.4	3.51	162.3	3.95	167.3	4.08	173.8	4.17	178.6	4.22
	50	14.2	126.7	2.60	137.2	3.03	149.4	3.51	162.3	3.95	167.3	4.08	173.8	4.17	178.6	4.22
		17.8	126.7	2.55	137.2	2.98	149.4	3.46	162.3	3.89	167.3	4.00	173.8	4.10	178.6	4.16
		35.5	126.7	2.34	137.2	2.79	149.4	3.25	162.3	3.64	167.3	3.72	173.8	3.82	178.6	3.90
		44.4	126.7	2.27	137.2	2.70	149.4	3.18	162.3	3.55	167.3	3.67	173.8	3.75	178.6	3.82
		53.3	126.7	2.23	137.2	2.65	149.4	3.14	162.3	3.51	167.3	3.64	173.8	3.72	178.6	3.78
	59	14.2	125.2	3.45	135.6	4.01	147.7	4.66	160.5	5.25	165.4	5.38	171.8	5.51	176.6	5.59
		17.8	125.2	3.38	135.6	3.94	147.7	4.58	160.5	5.16	165.4	5.29	171.8	5.42	176.6	5.51
		35.5	125.2	3.10	135.6	3.68	147.7	4.29	160.5	4.83	165.4	4.94	171.8	5.08	176.6	5.18
		44.4	125.2	3.02	135.6	3.60	147.7	4.21	160.5	4.73	165.4	4.86	171.8	4.97	176.6	5.06
		53.3	125.2	2.97	135.6	3.55	147.7	4.16	160.5	4.68	165.4	4.81	171.8	4.92	176.6	5.00
	67	14.2	123.9	4.20	134.2	4.88	146.2	5.67	158.9	6.40	163.7	6.54	170.0	6.70	174.8	6.82
		17.8	123.9	4.12	134.2	4.80	146.2	5.58	158.9	6.29	163.7	6.44	170.0	6.60	174.8	6.71
		35.5	123.9	3.78	134.2	4.48	146.2	5.22	158.9	5.89	163.7	6.03	170.0	6.19	174.8	6.31
		44.4	123.9	3.68	134.2	4.39	146.2	5.12	158.9	5.77	163.7	5.92	170.0	6.06	174.8	6.16
		53.3	123.9	3.63	134.2	4.35	146.2	5.07	158.9	5.71	163.7	5.86	170.0	6.00	174.8	6.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	14.2	123.9	5.16	134.2	6.00	146.2	6.99	158.9	7.85	163.7	8.05	170.0	8.25	174.8	8.39
		17.8	123.9	5.06	134.2	5.90	146.2	6.87	158.9	7.73	163.7	7.92	170.0	8.12	174.8	8.27
		35.5	123.9	4.65	134.2	5.51	146.2	6.42	158.9	7.24	163.7	7.41	170.0	7.60	174.8	7.76
		44.4	123.9	4.52	134.2	5.39	146.2	6.29	158.9	7.09	163.7	7.26	170.0	7.45	174.8	7.57
		53.3	123.9	4.46	134.2	5.34	146.2	6.23	158.9	7.02	163.7	7.19	170.0	7.38	174.8	7.47
	86	14.2	123.9	6.23	134.2	7.25	146.2	8.45	158.9	9.51	163.7	9.72	170.0	9.97	174.8	10.15
		17.8	123.9	6.10	134.2	7.13	146.2	8.31	158.9	9.35	163.7	9.57	170.0	9.82	174.8	9.99
		35.5	123.9	5.63	134.2	6.67	146.2	7.76	158.9	8.74	163.7	8.96	170.0	9.19	174.8	9.37
		44.4	123.9	5.47	134.2	6.53	146.2	7.60	158.9	8.57	163.7	8.79	170.0	9.02	174.8	9.15
		53.3	123.9	5.39	134.2	6.45	146.2	7.52	158.9	8.48	163.7	8.70	170.0	8.93	174.8	9.04
	95	14.2	113.4	6.39	122.8	7.43	133.8	8.65	145.4	9.74	149.8	9.98	155.6	10.21	160.0	10.40
		17.8	113.4	6.26	122.8	7.31	133.8	8.51	145.4	9.58	149.8	9.82	155.6	10.05	160.0	10.24
		35.5	113.4	5.76	122.8	6.83	133.8	7.96	145.4	8.96	149.8	9.18	155.6	9.43	160.0	9.60
		44.4	113.4	5.60	122.8	6.68	133.8	7.80	145.4	8.79	149.8	9.00	155.6	9.24	160.0	9.38
		53.3	113.4	5.52	122.8	6.61	133.8	7.72	145.4	8.70	149.8	8.92	155.6	9.14	160.0	9.27
	104	14.2	102.9	6.88	111.4	7.99	121.4	9.31	131.9	10.48	135.9	10.73	141.2	10.99	145.1	11.19
		17.8	102.9	6.74	111.4	7.86	121.4	9.16	131.9	10.31	135.9	10.56	141.2	10.82	145.1	11.02
		35.5	102.9	6.21	111.4	7.35	121.4	8.57	131.9	9.64	135.9	9.87	141.2	10.14	145.1	10.34
		44.4	102.9	6.03	111.4	7.19	121.4	8.40	131.9	9.45	135.9	9.70	141.2	9.95	145.1	10.09
		53.3	102.9	5.94	111.4	7.11	121.4	8.31	131.9	9.36	135.9	9.61	141.2	9.85	145.1	9.97
	113	14.2	92.4	7.36	100.0	8.55	109.0	9.98	118.4	11.21	122.0	11.48	126.8	11.77	130.2	11.99
		17.8	92.4	7.22	100.0	8.41	109.0	9.82	118.4	11.03	122.0	11.30	126.8	11.59	130.2	11.80
		35.5	92.4	6.66	100.0	7.87	109.0	9.18	118.4	10.32	122.0	10.57	126.8	10.85	130.2	11.08
		44.4	92.4	6.47	100.0	7.70	109.0	8.99	118.4	10.12	122.0	10.40	126.8	10.66	130.2	10.80
		53.3	92.4	6.37	100.0	7.61	109.0	8.90	118.4	10.02	122.0	10.31	126.8	10.56	130.2	10.66
110	23	9.4	119.6	2.45	129.4	2.84	141.0	3.33	153.2	3.73	157.7	3.81	163.8	3.94	168.5	3.99
	32	10.5	119.6	2.45	129.4	2.84	141.0	3.33	153.2	3.73	157.7	3.81	163.8	3.94	168.5	3.99
	41	12.1	119.6	2.45	129.4	2.84	141.0	3.33	153.2	3.73	157.7	3.81	163.8	3.94	168.5	3.99
	50	14.2	119.6	2.45	129.4	2.84	141.0	3.33	153.2	3.73	157.7	3.81	163.8	3.94	168.5	3.99
		17.8	119.6	2.40	129.4	2.79	141.0	3.27	153.2	3.67	157.7	3.76	163.8	3.87	168.5	3.93
		35.5	119.6	2.21	129.4	2.61	141.0	3.05	153.2	3.44	157.7	3.54	163.8	3.62	168.5	3.67
		44.4	119.6	2.15	129.4	2.56	141.0	2.97	153.2	3.38	157.7	3.43	163.8	3.55	168.5	3.59
		53.3	119.6	2.12	129.4	2.53	141.0	2.94	153.2	3.35	157.7	3.38	163.8	3.51	168.5	3.55
	59	14.2	118.8	3.28	128.6	3.82	140.1	4.45	152.3	5.01	156.8	5.13	162.9	5.26	167.5	5.35
		17.8	118.8	3.22	128.6	3.76	140.1	4.38	152.3	4.93	156.8	5.05	162.9	5.18	167.5	5.26
		35.5	118.8	2.96	128.6	3.51	140.1	4.09	152.3	4.61	156.8	4.73	162.9	4.84	167.5	4.93
		44.4	118.8	2.89	128.6	3.44	140.1	4.00	152.3	4.52	156.8	4.63	162.9	4.76	167.5	4.81
		53.3	118.8	2.85	128.6	3.40	140.1	3.96	152.3	4.48	156.8	4.57	162.9	4.71	167.5	4.76
	67	14.2	118.1	4.02	127.9	4.69	139.3	5.45	151.5	6.15	156.0	6.29	162.1	6.44	166.6	6.56
		17.8	118.1	3.94	127.9	4.61	139.3	5.37	151.5	6.05	156.0	6.19	162.1	6.34	166.6	6.45
		35.5	118.1	3.63	127.9	4.31	139.3	5.02	151.5	5.66	156.0	5.79	162.1	5.93	166.6	6.05
		44.4	118.1	3.54	127.9	4.22	139.3	4.92	151.5	5.54	156.0	5.68	162.1	5.83	166.6	5.90
		53.3	118.1	3.49	127.9	4.18	139.3	4.86	151.5	5.48	156.0	5.63	162.1	5.78	166.6	5.83
	75	14.2	118.1	4.92	127.9	5.73	139.3	6.67	151.5	7.52	156.0	7.69	162.1	7.88	166.6	8.03
		17.8	118.1	4.83	127.9	5.64	139.3	6.57	151.5	7.40	156.0	7.57	162.1	7.76	166.6	7.90
		35.5	118.1	4.45	127.9	5.28	139.3	6.15	151.5	6.92	156.0	7.09	162.1	7.26	166.6	7.41
		44.4	118.1	4.32	127.9	5.16	139.3	6.02	151.5	6.79	156.0	6.95	162.1	7.13	166.6	7.22
		53.3	118.1	4.26	127.9	5.10	139.3	5.95	151.5	6.72	156.0	6.87	162.1	7.07	166.6	7.13
	86	14.2	118.1	6.00	127.9	6.99	139.3	8.14	151.5	9.17	156.0	9.39	162.1	9.60	166.6	9.78
		17.8	118.1	5.89	127.9	6.87	139.3	8.00	151.5	9.02	156.0	9.24	162.1	9.45	166.6	9.63
		35.5	118.1	5.42	127.9	6.42	139.3	7.48	151.5	8.42	156.0	8.64	162.1	8.86	166.6	9.02
		44.4	118.1	5.28	127.9	6.29	139.3	7.34	151.5	8.27	156.0	8.47	162.1	8.69	166.6	8.80
		53.3	118.1	5.20	127.9	6.23	139.3	7.26	151.5	8.18	156.0	8.38	162.1	8.60	166.6	8.69
	95	14.2	110.1	6.26	119.2	7.27	129.8	8.46	141.1	9.54	145.3	9.76	151.0	9.99	155.2	10.18
		17.8	110.1	6.13	119.2	7.15	129.8	8.32	141.1	9.38	145.3	9.60	151.0	9.83	155.2	10.02
		35.5	110.1	5.64	119.2	6.68	129.8	7.79	141.1	8.77	145.3	8.98	151.0	9.21	155.2	9.38
		44.4	110.1	5.48	119.2	6.54	129.8	7.63	141.1	8.60	145.3	8.82	151.0	9.03	155.2	9.15
		53.3	110.1	5.40	119.2	6.47	129.8	7.55	141.1	8.51	145.3	8.74	151.0	8.95	155.2	9.03

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

Due to our policy of continuous product innovation, some specifications may change without notification.
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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	14.2	102.0	6.86	110.5	7.99	120.3	9.30	130.8	10.46	134.7	10.71	139.9	10.97	143.8	11.18
		17.8	102.0	6.73	110.5	7.86	120.3	9.15	130.8	10.30	134.7	10.54	139.9	10.80	143.8	11.01
		35.5	102.0	6.19	110.5	7.34	120.3	8.56	130.8	9.63	134.7	9.86	139.9	10.12	143.8	10.31
		44.4	102.0	6.02	110.5	7.18	120.3	8.38	130.8	9.44	134.7	9.69	139.9	9.93	143.8	10.05
		53.3	102.0	5.93	110.5	7.10	120.3	8.29	130.8	9.34	134.7	9.60	139.9	9.84	143.8	9.92
	113	14.2	93.9	7.47	101.8	8.72	110.8	10.14	120.5	11.39	124.1	11.67	128.8	11.96	132.4	12.18
		17.8	93.9	7.32	101.8	8.57	110.8	9.98	120.5	11.21	124.1	11.48	128.8	11.77	132.4	11.99
		35.5	93.9	6.74	101.8	7.99	110.8	9.32	120.5	10.48	124.1	10.74	128.8	11.03	132.4	11.24
		44.4	93.9	6.55	101.8	7.82	110.8	9.14	120.5	10.28	124.1	10.56	128.8	10.83	132.4	10.95
		53.3	93.9	6.46	101.8	7.73	110.8	9.04	120.5	10.18	124.1	10.46	128.8	10.73	132.4	10.80
100	23	9.4	112.3	2.32	121.6	2.70	132.5	3.10	144.0	3.53	148.3	3.58	154.1	3.70	158.4	3.77
	32	10.5	112.3	2.32	121.6	2.70	132.5	3.10	144.0	3.53	148.3	3.58	154.1	3.70	158.4	3.77
	41	12.1	112.3	2.32	121.6	2.70	132.5	3.10	144.0	3.53	148.3	3.58	154.1	3.70	158.4	3.77
	50	14.2	112.3	2.32	121.6	2.70	132.5	3.10	144.0	3.53	148.3	3.58	154.1	3.70	158.4	3.77
		17.8	112.3	2.27	121.6	2.65	132.5	3.05	144.0	3.47	148.3	3.53	154.1	3.64	158.4	3.71
		35.5	112.3	2.09	121.6	2.47	132.5	2.87	144.0	3.25	148.3	3.32	154.1	3.40	158.4	3.47
		44.4	112.3	2.02	121.6	2.41	132.5	2.80	144.0	3.18	148.3	3.25	154.1	3.33	158.4	3.36
		53.3	112.3	1.99	121.6	2.38	132.5	2.77	144.0	3.15	148.3	3.21	154.1	3.30	158.4	3.30
	59	14.2	112.3	3.14	121.6	3.64	132.5	4.23	144.0	4.77	148.3	4.88	154.1	5.01	158.4	5.10
		17.8	112.3	3.07	121.6	3.58	132.5	4.16	144.0	4.70	148.3	4.80	154.1	4.93	158.4	5.02
		35.5	112.3	2.83	121.6	3.35	132.5	3.90	144.0	4.39	148.3	4.50	154.1	4.61	158.4	4.70
		44.4	112.3	2.74	121.6	3.28	132.5	3.81	144.0	4.31	148.3	4.41	154.1	4.52	158.4	4.57
		53.3	112.3	2.70	121.6	3.24	132.5	3.77	144.0	4.26	148.3	4.36	154.1	4.48	158.4	4.50
	67	14.2	112.3	3.86	121.6	4.48	132.5	5.23	144.0	5.88	148.3	6.03	154.1	6.17	158.4	6.28
		17.8	112.3	3.78	121.6	4.41	132.5	5.15	144.0	5.79	148.3	5.93	154.1	6.08	158.4	6.18
		35.5	112.3	3.48	121.6	4.13	132.5	4.81	144.0	5.41	148.3	5.54	154.1	5.68	158.4	5.79
		44.4	112.3	3.38	121.6	4.05	132.5	4.71	144.0	5.31	148.3	5.44	154.1	5.58	158.4	5.64
		53.3	112.3	3.33	121.6	4.00	132.5	4.66	144.0	5.26	148.3	5.39	154.1	5.53	158.4	5.57
	75	14.2	112.3	4.70	121.6	5.47	132.5	6.37	144.0	7.18	148.3	7.36	154.1	7.53	158.4	7.66
		17.8	112.3	4.61	121.6	5.38	132.5	6.26	144.0	7.06	148.3	7.24	154.1	7.41	158.4	7.54
		35.5	112.3	4.25	121.6	5.03	132.5	5.86	144.0	6.60	148.3	6.76	154.1	6.93	158.4	7.06
		44.4	112.3	4.13	121.6	4.93	132.5	5.74	144.0	6.47	148.3	6.63	154.1	6.80	158.4	6.87
		53.3	112.3	4.07	121.6	4.88	132.5	5.68	144.0	6.40	148.3	6.56	154.1	6.73	158.4	6.78
	86	14.2	112.3	5.78	121.6	6.74	132.5	7.84	144.0	8.83	148.3	9.04	154.1	9.25	158.4	9.43
		17.8	112.3	5.67	121.6	6.63	132.5	7.71	144.0	8.69	148.3	8.89	154.1	9.11	158.4	9.28
		35.5	112.3	5.22	121.6	6.19	132.5	7.21	144.0	8.12	148.3	8.31	154.1	8.53	158.4	8.69
		44.4	112.3	5.08	121.6	6.06	132.5	7.06	144.0	7.96	148.3	8.16	154.1	8.37	158.4	8.45
		53.3	112.3	5.00	121.6	6.00	132.5	6.99	144.0	7.88	148.3	8.09	154.1	8.29	158.4	8.34
	95	14.2	106.7	6.11	115.6	7.10	125.9	8.27	136.8	9.31	140.9	9.54	146.4	9.77	150.5	9.94
		17.8	106.7	5.99	115.6	6.99	125.9	8.13	136.8	9.16	140.9	9.38	146.4	9.61	150.5	9.79
		35.5	106.7	5.51	115.6	6.54	125.9	7.61	136.8	8.57	140.9	8.77	146.4	9.00	150.5	9.16
		44.4	106.7	5.37	115.6	6.39	125.9	7.45	136.8	8.41	140.9	8.61	146.4	8.83	150.5	8.92
		53.3	106.7	5.29	115.6	6.32	125.9	7.37	136.8	8.33	140.9	8.53	146.4	8.74	150.5	8.79
	104	14.2	101.1	6.87	109.5	7.97	119.2	9.29	129.6	10.45	133.5	10.70	138.7	10.96	142.6	11.15
		17.8	101.1	6.73	109.5	7.84	119.2	9.14	129.6	10.28	133.5	10.53	138.7	10.79	142.6	10.98
		35.5	101.1	6.18	109.5	7.34	119.2	8.54	129.6	9.61	133.5	9.85	138.7	10.09	142.6	10.28
		44.4	101.1	6.02	109.5	7.18	119.2	8.37	129.6	9.43	133.5	9.66	138.7	9.90	142.6	10.01
		53.3	101.1	5.94	109.5	7.10	119.2	8.28	129.6	9.33	133.5	9.56	138.7	9.81	142.6	9.87
	113	14.2	95.5	7.62	103.4	8.84	112.5	10.30	122.4	11.58	126.1	11.86	131.0	12.16	134.7	12.36
		17.8	95.5	7.47	103.4	8.70	112.5	10.14	122.4	11.40	126.1	11.67	131.0	11.96	134.7	12.17
		35.5	95.5	6.84	103.4	8.13	112.5	9.47	122.4	10.66	126.1	10.92	131.0	11.18	134.7	11.40
		44.4	95.5	6.67	103.4	7.96	112.5	9.28	122.4	10.44	126.1	10.70	131.0	10.98	134.7	11.09
		53.3	95.5	6.58	103.4	7.87	112.5	9.19	122.4	10.33	126.1	10.59	131.0	10.87	134.7	10.94
90	23	9.4	101.1	1.97	109.5	2.29	119.2	2.68	129.6	3.03	133.5	3.08	138.7	3.15	142.6	3.25
	32	10.5	101.1	1.97	109.5	2.29	119.2	2.68	129.6	3.03	133.5	3.08	138.7	3.15	142.6	3.25
	41	12.1	101.1	1.97	109.5	2.29	119.2	2.68	129.6	3.03	133.5	3.08	138.7	3.15	142.6	3.25
	50	14.2	101.1	1.97	109.5	2.29	119.2	2.68	129.6	3.03	133.5	3.08	138.7	3.15	142.6	3.25
		17.8	101.1	1.94	109.5	2.26	119.2	2.64	129.6	2.99	133.5	3.04	138.7	3.11	142.6	3.20
		35.5	101.1	1.80	109.5	2.14	119.2	2.47	129.6	2.81	133.5	2.86	138.7	2.95	142.6	2.99
		44.4	101.1	1.74	109.5	2.06	119.2	2.43	129.6	2.72	133.5	2.80	138.7	2.89	142.6	2.89
		53.3	101.1	1.72	109.5	2.03	119.2	2.41	129.6	2.67	133.5	2.78	138.7	2.86	142.6	2.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	14.2	101.1	2.69	109.5	3.12	119.2	3.64	129.6	4.11	133.5	4.20	138.7	4.30	142.6	4.39
		17.8	101.1	2.64	109.5	3.07	119.2	3.58	129.6	4.05	133.5	4.13	138.7	4.23	142.6	4.32
		35.5	101.1	2.44	109.5	2.89	119.2	3.35	129.6	3.78	133.5	3.87	138.7	3.97	142.6	4.05
		44.4	101.1	2.36	109.5	2.81	119.2	3.29	129.6	3.70	133.5	3.80	138.7	3.90	142.6	3.93
		53.3	101.1	2.33	109.5	2.78	119.2	3.26	129.6	3.65	133.5	3.76	138.7	3.86	142.6	3.87
	67	14.2	101.1	3.33	109.5	3.86	119.2	4.50	129.6	5.07	133.5	5.19	138.7	5.32	142.6	5.41
		17.8	101.1	3.26	109.5	3.80	119.2	4.42	129.6	4.99	133.5	5.10	138.7	5.23	142.6	5.32
		35.5	101.1	3.00	109.5	3.55	119.2	4.13	129.6	4.65	133.5	4.77	138.7	4.89	142.6	4.99
		44.4	101.1	2.91	109.5	3.48	119.2	4.06	129.6	4.57	133.5	4.68	138.7	4.80	142.6	4.86
		53.3	101.1	2.87	109.5	3.44	119.2	4.02	129.6	4.52	133.5	4.64	138.7	4.76	142.6	4.79
	75	14.2	101.1	4.05	109.5	4.72	119.2	5.48	129.6	6.17	133.5	6.32	138.7	6.48	142.6	6.60
		17.8	101.1	3.97	109.5	4.64	119.2	5.39	129.6	6.08	133.5	6.22	138.7	6.38	142.6	6.50
		35.5	101.1	3.65	109.5	4.34	119.2	5.05	129.6	5.68	133.5	5.81	138.7	5.97	142.6	6.08
		44.4	101.1	3.55	109.5	4.23	119.2	4.94	129.6	5.57	133.5	5.71	138.7	5.86	142.6	5.92
		53.3	101.1	3.50	109.5	4.18	119.2	4.89	129.6	5.51	133.5	5.66	138.7	5.80	142.6	5.84
	86	14.2	101.1	4.99	109.5	5.79	119.2	6.75	129.6	7.61	133.5	7.78	138.7	7.97	142.6	8.12
		17.8	101.1	4.89	109.5	5.70	119.2	6.64	129.6	7.48	133.5	7.66	138.7	7.84	142.6	7.99
		35.5	101.1	4.50	109.5	5.32	119.2	6.21	129.6	6.99	133.5	7.16	138.7	7.34	142.6	7.47
		44.4	101.1	4.36	109.5	5.22	119.2	6.08	129.6	6.86	133.5	7.02	138.7	7.21	142.6	7.28
		53.3	101.1	4.30	109.5	5.17	119.2	6.01	129.6	6.79	133.5	6.94	138.7	7.14	142.6	7.18
	95	14.2	98.3	5.39	106.4	6.25	115.9	7.28	126.0	8.19	129.8	8.39	134.8	8.59	138.6	8.75
		17.8	98.3	5.28	106.4	6.15	115.9	7.16	126.0	8.06	129.8	8.25	134.8	8.45	138.6	8.61
		35.5	98.3	4.84	106.4	5.74	115.9	6.70	126.0	7.54	129.8	7.71	134.8	7.92	138.6	8.06
		44.4	98.3	4.71	106.4	5.63	115.9	6.55	126.0	7.40	129.8	7.58	134.8	7.77	138.6	7.84
		53.3	98.3	4.65	106.4	5.57	115.9	6.48	126.0	7.32	129.8	7.52	134.8	7.70	138.6	7.73
	104	14.2	95.5	6.19	103.4	7.18	112.6	8.35	122.4	9.42	126.1	9.64	131.0	9.87	134.6	10.05
		17.8	95.5	6.06	103.4	7.06	112.6	8.22	122.4	9.27	126.1	9.48	131.0	9.72	134.6	9.89
		35.5	95.5	5.57	103.4	6.60	112.6	7.70	122.4	8.66	126.1	8.87	131.0	9.09	134.6	9.27
		44.4	95.5	5.41	103.4	6.47	112.6	7.54	122.4	8.50	126.1	8.70	131.0	8.93	134.6	9.02
		53.3	95.5	5.33	103.4	6.40	112.6	7.46	122.4	8.42	126.1	8.61	131.0	8.85	134.6	8.89
	113	14.2	92.7	6.98	100.4	8.11	109.3	9.43	118.8	10.64	122.4	10.89	127.2	11.16	130.6	11.34
		17.8	92.7	6.84	100.4	7.98	109.3	9.28	118.8	10.47	122.4	10.72	127.2	10.98	130.6	11.17
		35.5	92.7	6.29	100.4	7.45	109.3	8.70	118.8	9.77	122.4	10.03	127.2	10.27	130.6	10.47
		44.4	92.7	6.10	100.4	7.31	109.3	8.53	118.8	9.60	122.4	9.82	127.2	10.09	130.6	10.19
		53.3	92.7	6.01	100.4	7.23	109.3	8.44	118.8	9.51	122.4	9.71	127.2	10.00	130.6	10.05
80	23	9.4	89.9	1.69	97.3	1.92	106.0	2.23	115.2	2.56	118.7	2.59	123.3	2.67	126.7	2.69
	32	10.5	89.9	1.69	97.3	1.92	106.0	2.23	115.2	2.56	118.7	2.59	123.3	2.67	126.7	2.69
	41	12.1	89.9	1.69	97.3	1.92	106.0	2.23	115.2	2.56	118.7	2.59	123.3	2.67	126.7	2.69
	50	14.2	89.9	1.69	97.3	1.92	106.0	2.23	115.2	2.56	118.7	2.59	123.3	2.67	126.7	2.69
		17.8	89.9	1.65	97.3	1.90	106.0	2.20	115.2	2.51	118.7	2.55	123.3	2.62	126.7	2.65
		35.5	89.9	1.49	97.3	1.80	106.0	2.08	115.2	2.33	118.7	2.40	123.3	2.44	126.7	2.48
		44.4	89.9	1.48	97.3	1.74	106.0	2.04	115.2	2.29	118.7	2.33	123.3	2.40	126.7	2.43
		53.3	89.9	1.48	97.3	1.71	106.0	2.02	115.2	2.27	118.7	2.29	123.3	2.38	126.7	2.40
	59	14.2	89.9	2.27	97.3	2.62	106.0	3.05	115.2	3.45	118.7	3.52	123.3	3.61	126.7	3.67
		17.8	89.9	2.22	97.3	2.58	106.0	3.00	115.2	3.39	118.7	3.47	123.3	3.55	126.7	3.61
		35.5	89.9	2.03	97.3	2.42	106.0	2.81	115.2	3.16	118.7	3.25	123.3	3.32	126.7	3.38
		44.4	89.9	1.99	97.3	2.36	106.0	2.76	115.2	3.10	118.7	3.18	123.3	3.26	126.7	3.29
		53.3	89.9	1.96	97.3	2.33	106.0	2.73	115.2	3.07	118.7	3.14	123.3	3.23	126.7	3.25
	67	14.2	89.9	2.78	97.3	3.24	106.0	3.77	115.2	4.25	118.7	4.35	123.3	4.45	126.7	4.54
		17.8	89.9	2.73	97.3	3.19	106.0	3.71	115.2	4.18	118.7	4.28	123.3	4.38	126.7	4.47
		35.5	89.9	2.51	97.3	2.97	106.0	3.47	115.2	3.90	118.7	4.00	123.3	4.10	126.7	4.18
		44.4	89.9	2.44	97.3	2.91	106.0	3.39	115.2	3.83	118.7	3.93	123.3	4.03	126.7	4.06
		53.3	89.9	2.40	97.3	2.89	106.0	3.36	115.2	3.79	118.7	3.89	123.3	3.99	126.7	4.00
	75	14.2	89.9	3.40	97.3	3.95	106.0	4.60	115.2	5.17	118.7	5.31	123.3	5.44	126.7	5.53
		17.8	89.9	3.34	97.3	3.89	106.0	4.52	115.2	5.09	118.7	5.22	123.3	5.35	126.7	5.44
		35.5	89.9	3.06	97.3	3.63	106.0	4.23	115.2	4.77	118.7	4.87	123.3	5.00	126.7	5.09
		44.4	89.9	2.97	97.3	3.55	106.0	4.15	115.2	4.67	118.7	4.79	123.3	4.92	126.7	4.96
		53.3	89.9	2.93	97.3	3.52	106.0	4.10	115.2	4.62	118.7	4.74	123.3	4.87	126.7	4.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	14.2	89.9	4.17	97.3	4.85	106.0	5.66	115.2	6.37	118.7	6.51	123.3	6.67	126.7	6.81
		17.8	89.9	4.09	97.3	4.77	106.0	5.57	115.2	6.26	118.7	6.41	123.3	6.57	126.7	6.70
		35.5	89.9	3.77	97.3	4.47	106.0	5.21	115.2	5.86	118.7	6.00	123.3	6.15	126.7	6.26
		44.4	89.9	3.67	97.3	4.36	106.0	5.09	115.2	5.74	118.7	5.89	123.3	6.03	126.7	6.10
		53.3	89.9	3.62	97.3	4.31	106.0	5.03	115.2	5.68	118.7	5.83	123.3	5.97	126.7	6.02
	95	14.2	89.9	4.64	97.3	5.39	106.0	6.28	115.2	7.07	118.7	7.25	123.3	7.43	126.7	7.56
		17.8	89.9	4.55	97.3	5.31	106.0	6.18	115.2	6.96	118.7	7.13	123.3	7.31	126.7	7.44
		35.5	89.9	4.19	97.3	4.96	106.0	5.79	115.2	6.51	118.7	6.67	123.3	6.83	126.7	6.96
		44.4	89.9	4.07	97.3	4.86	106.0	5.67	115.2	6.38	118.7	6.54	123.3	6.71	126.7	6.77
		53.3	89.9	4.02	97.3	4.81	106.0	5.61	115.2	6.31	118.7	6.47	123.3	6.66	126.7	6.68
	104	14.2	89.9	5.50	97.3	6.40	106.0	7.44	115.2	8.39	118.7	8.58	123.3	8.80	126.7	8.94
		17.8	89.9	5.39	97.3	6.29	106.0	7.32	115.2	8.25	118.7	8.44	123.3	8.66	126.7	8.80
		35.5	89.9	4.96	97.3	5.87	106.0	6.84	115.2	7.71	118.7	7.89	123.3	8.09	126.7	8.24
		44.4	89.9	4.81	97.3	5.76	106.0	6.70	115.2	7.55	118.7	7.74	123.3	7.95	126.7	8.02
		53.3	89.9	4.74	97.3	5.70	106.0	6.63	115.2	7.47	118.7	7.67	123.3	7.87	126.7	7.91
	113	14.2	89.9	6.36	97.3	7.40	106.0	8.61	115.2	9.70	118.7	9.91	123.3	10.17	126.7	10.33
		17.8	89.9	6.24	97.3	7.28	106.0	8.47	115.2	9.54	118.7	9.74	123.3	10.01	126.7	10.16
		35.5	89.9	5.73	97.3	6.79	106.0	7.90	115.2	8.92	118.7	9.11	123.3	9.35	126.7	9.51
		44.4	89.9	5.55	97.3	6.66	106.0	7.73	115.2	8.73	118.7	8.95	123.3	9.18	126.7	9.27
		53.3	89.9	5.47	97.3	6.59	106.0	7.64	115.2	8.63	118.7	8.87	123.3	9.09	126.7	9.14
70	23	9.4	78.6	1.38	85.1	1.60	92.7	1.85	100.8	2.09	103.8	2.17	107.9	2.23	110.9	2.23
	32	10.5	78.6	1.38	85.1	1.60	92.7	1.85	100.8	2.09	103.8	2.17	107.9	2.23	110.9	2.23
	41	12.1	78.6	1.38	85.1	1.60	92.7	1.85	100.8	2.09	103.8	2.17	107.9	2.23	110.9	2.23
	50	14.2	78.6	1.38	85.1	1.60	92.7	1.85	100.8	2.09	103.8	2.17	107.9	2.23	110.9	2.23
		17.8	78.6	1.35	85.1	1.58	92.7	1.83	100.8	2.06	103.8	2.14	107.9	2.19	110.9	2.20
		35.5	78.6	1.26	85.1	1.46	92.7	1.71	100.8	1.95	103.8	2.00	107.9	2.05	110.9	2.08
		44.4	78.6	1.23	85.1	1.44	92.7	1.69	100.8	1.90	103.8	1.94	107.9	1.99	110.9	2.02
		53.3	78.6	1.22	85.1	1.42	92.7	1.67	100.8	1.87	103.8	1.91	107.9	1.96	110.9	1.99
	59	14.2	78.6	1.88	85.1	2.18	92.7	2.53	100.8	2.86	103.8	2.93	107.9	3.01	110.9	3.05
		17.8	78.6	1.84	85.1	2.15	92.7	2.49	100.8	2.81	103.8	2.89	107.9	2.96	110.9	3.00
		35.5	78.6	1.70	85.1	2.00	92.7	2.33	100.8	2.64	103.8	2.70	107.9	2.77	110.9	2.81
		44.4	78.6	1.65	85.1	1.96	92.7	2.29	100.8	2.58	103.8	2.64	107.9	2.71	110.9	2.74
		53.3	78.6	1.63	85.1	1.94	92.7	2.27	100.8	2.55	103.8	2.61	107.9	2.68	110.9	2.70
	67	14.2	78.6	2.32	85.1	2.70	92.7	3.14	100.8	3.54	103.8	3.61	107.9	3.70	110.9	3.77
		17.8	78.6	2.28	85.1	2.65	92.7	3.09	100.8	3.48	103.8	3.55	107.9	3.64	110.9	3.71
		35.5	78.6	2.09	85.1	2.48	92.7	2.89	100.8	3.25	103.8	3.32	107.9	3.41	110.9	3.47
		44.4	78.6	2.03	85.1	2.42	92.7	2.83	100.8	3.19	103.8	3.26	107.9	3.35	110.9	3.38
		53.3	78.6	2.00	85.1	2.39	92.7	2.80	100.8	3.16	103.8	3.23	107.9	3.32	110.9	3.33
	75	14.2	78.6	2.82	85.1	3.29	92.7	3.81	100.8	4.30	103.8	4.41	107.9	4.51	110.9	4.60
		17.8	78.6	2.77	85.1	3.23	92.7	3.76	100.8	4.23	103.8	4.34	107.9	4.44	110.9	4.52
		35.5	78.6	2.55	85.1	3.02	92.7	3.52	100.8	3.96	103.8	4.06	107.9	4.16	110.9	4.23
		44.4	78.6	2.48	85.1	2.96	92.7	3.45	100.8	3.89	103.8	3.97	107.9	4.07	110.9	4.12
		53.3	78.6	2.44	85.1	2.93	92.7	3.41	100.8	3.85	103.8	3.93	107.9	4.03	110.9	4.06
	86	14.2	78.6	3.48	85.1	4.04	92.7	4.70	100.8	5.29	103.8	5.42	107.9	5.55	110.9	5.66
		17.8	78.6	3.41	85.1	3.97	92.7	4.63	100.8	5.21	103.8	5.34	107.9	5.47	110.9	5.57
		35.5	78.6	3.13	85.1	3.71	92.7	4.32	100.8	4.87	103.8	4.99	107.9	5.12	110.9	5.21
		44.4	78.6	3.05	85.1	3.64	92.7	4.23	100.8	4.77	103.8	4.90	107.9	5.02	110.9	5.08
		53.3	78.6	3.00	85.1	3.60	92.7	4.19	100.8	4.72	103.8	4.86	107.9	4.97	110.9	5.01
	95	14.2	78.6	3.86	85.1	4.48	92.7	5.24	100.8	5.88	103.8	6.03	107.9	6.17	110.9	6.28
		17.8	78.6	3.78	85.1	4.41	92.7	5.15	100.8	5.79	103.8	5.93	107.9	6.08	110.9	6.18
		35.5	78.6	3.48	85.1	4.13	92.7	4.80	100.8	5.41	103.8	5.54	107.9	5.68	110.9	5.79
		44.4	78.6	3.38	85.1	4.03	92.7	4.71	100.8	5.31	103.8	5.44	107.9	5.58	110.9	5.64
		53.3	78.6	3.33	85.1	3.98	92.7	4.67	100.8	5.26	103.8	5.39	107.9	5.53	110.9	5.57
	104	14.2	78.6	4.57	85.1	5.30	92.7	6.19	100.8	6.97	103.8	7.13	107.9	7.31	110.9	7.44
		17.8	78.6	4.48	85.1	5.22	92.7	6.09	100.8	6.86	103.8	7.02	107.9	7.19	110.9	7.32
		35.5	78.6	4.12	85.1	4.89	92.7	5.70	100.8	6.41	103.8	6.57	107.9	6.73	110.9	6.86
		44.4	78.6	4.00	85.1	4.79	92.7	5.57	100.8	6.28	103.8	6.44	107.9	6.61	110.9	6.67
		53.3	78.6	3.94	85.1	4.73	92.7	5.50	100.8	6.21	103.8	6.37	107.9	6.55	110.9	6.58

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	14.2	78.6	5.28	85.1	6.13	92.7	7.14	100.8	8.06	103.8	8.23	107.9	8.44	110.9	8.60
		17.8	78.6	5.18	85.1	6.03	92.7	7.03	100.8	7.93	103.8	8.11	107.9	8.31	110.9	8.47
		35.5	78.6	4.76	85.1	5.64	92.7	6.60	100.8	7.41	103.8	7.60	107.9	7.77	110.9	7.93
		44.4	78.6	4.63	85.1	5.54	92.7	6.42	100.8	7.25	103.8	7.44	107.9	7.64	110.9	7.70
		53.3	78.6	4.56	85.1	5.49	92.7	6.34	100.8	7.17	103.8	7.36	107.9	7.58	110.9	7.58
60	23	9.4	67.4	1.09	73.0	1.28	79.5	1.47	86.4	1.69	89.0	1.73	92.4	1.75	95.0	1.78
	32	10.5	67.4	1.09	73.0	1.28	79.5	1.47	86.4	1.69	89.0	1.73	92.4	1.75	95.0	1.78
	41	12.1	67.4	1.09	73.0	1.28	79.5	1.47	86.4	1.69	89.0	1.73	92.4	1.75	95.0	1.78
	50	14.2	67.4	1.09	73.0	1.28	79.5	1.47	86.4	1.69	89.0	1.73	92.4	1.75	95.0	1.78
		17.8	67.4	1.07	73.0	1.25	79.5	1.45	86.4	1.66	89.0	1.70	92.4	1.73	95.0	1.76
		35.5	67.4	0.99	73.0	1.17	79.5	1.38	86.4	1.55	89.0	1.58	92.4	1.63	95.0	1.66
		44.4	67.4	0.95	73.0	1.16	79.5	1.35	86.4	1.52	89.0	1.55	92.4	1.59	95.0	1.62
		53.3	67.4	0.92	73.0	1.15	79.5	1.34	86.4	1.51	89.0	1.53	92.4	1.57	95.0	1.60
	59	14.2	67.4	1.49	73.0	1.74	79.5	2.02	86.4	2.28	89.0	2.35	92.4	2.39	95.0	2.43
		17.8	67.4	1.46	73.0	1.71	79.5	1.99	86.4	2.25	89.0	2.31	92.4	2.35	95.0	2.39
		35.5	67.4	1.35	73.0	1.60	79.5	1.87	86.4	2.10	89.0	2.15	92.4	2.20	95.0	2.25
		44.4	67.4	1.31	73.0	1.57	79.5	1.83	86.4	2.06	89.0	2.10	92.4	2.16	95.0	2.19
		53.3	67.4	1.28	73.0	1.55	79.5	1.81	86.4	2.04	89.0	2.08	92.4	2.14	95.0	2.16
	67	14.2	67.4	1.85	73.0	2.15	79.5	2.51	86.4	2.81	89.0	2.89	92.4	2.95	95.0	3.01
		17.8	67.4	1.81	73.0	2.12	79.5	2.47	86.4	2.77	89.0	2.84	92.4	2.90	95.0	2.96
		35.5	67.4	1.67	73.0	1.97	79.5	2.31	86.4	2.60	89.0	2.65	92.4	2.71	95.0	2.77
		44.4	67.4	1.62	73.0	1.93	79.5	2.25	86.4	2.54	89.0	2.60	92.4	2.67	95.0	2.70
		53.3	67.4	1.60	73.0	1.91	79.5	2.22	86.4	2.51	89.0	2.57	92.4	2.65	95.0	2.66
	75	14.2	67.4	2.25	73.0	2.62	79.5	3.05	86.4	3.43	89.0	3.51	92.4	3.59	95.0	3.67
		17.8	67.4	2.20	73.0	2.58	79.5	3.00	86.4	3.38	89.0	3.45	92.4	3.54	95.0	3.61
		35.5	67.4	2.03	73.0	2.41	79.5	2.80	86.4	3.16	89.0	3.23	92.4	3.32	95.0	3.38
		44.4	67.4	1.97	73.0	2.35	79.5	2.74	86.4	3.09	89.0	3.18	92.4	3.25	95.0	3.29
		53.3	67.4	1.94	73.0	2.32	79.5	2.71	86.4	3.05	89.0	3.15	92.4	3.21	95.0	3.25
	86	14.2	67.4	2.77	73.0	3.21	79.5	3.74	86.4	4.21	89.0	4.32	92.4	4.42	95.0	4.51
		17.8	67.4	2.71	73.0	3.16	79.5	3.68	86.4	4.15	89.0	4.25	92.4	4.35	95.0	4.44
		35.5	67.4	2.49	73.0	2.96	79.5	3.45	86.4	3.89	89.0	3.97	92.4	4.07	95.0	4.15
		44.4	67.4	2.42	73.0	2.90	79.5	3.38	86.4	3.81	89.0	3.90	92.4	4.00	95.0	4.05
		53.3	67.4	2.38	73.0	2.87	79.5	3.34	86.4	3.78	89.0	3.86	92.4	3.97	95.0	3.99
	95	14.2	67.4	3.08	73.0	3.58	79.5	4.17	86.4	4.68	89.0	4.80	92.4	4.92	95.0	5.01
		17.8	67.4	3.02	73.0	3.52	79.5	4.10	86.4	4.61	89.0	4.73	92.4	4.84	95.0	4.93
		35.5	67.4	2.77	73.0	3.29	79.5	3.83	86.4	4.32	89.0	4.42	92.4	4.52	95.0	4.61
		44.4	67.4	2.70	73.0	3.22	79.5	3.76	86.4	4.23	89.0	4.34	92.4	4.45	95.0	4.50
		53.3	67.4	2.66	73.0	3.18	79.5	3.72	86.4	4.19	89.0	4.29	92.4	4.41	95.0	4.44
	104	14.2	67.4	3.64	73.0	4.23	79.5	4.94	86.4	5.56	89.0	5.69	92.4	5.82	95.0	5.94
		17.8	67.4	3.57	73.0	4.16	79.5	4.86	86.4	5.47	89.0	5.60	92.4	5.73	95.0	5.84
		35.5	67.4	3.29	73.0	3.90	79.5	4.54	86.4	5.10	89.0	5.23	92.4	5.37	95.0	5.47
		44.4	67.4	3.19	73.0	3.81	79.5	4.45	86.4	5.00	89.0	5.13	92.4	5.26	95.0	5.32
		53.3	67.4	3.14	73.0	3.77	79.5	4.41	86.4	4.95	89.0	5.08	92.4	5.21	95.0	5.25
	113	14.2	67.4	4.19	73.0	4.87	79.5	5.70	86.4	6.43	89.0	6.57	92.4	6.71	95.0	6.87
		17.8	67.4	4.12	73.0	4.80	79.5	5.61	86.4	6.32	89.0	6.47	92.4	6.61	95.0	6.76
		35.5	67.4	3.81	73.0	4.51	79.5	5.25	86.4	5.89	89.0	6.05	92.4	6.21	95.0	6.32
		44.4	67.4	3.68	73.0	4.41	79.5	5.15	86.4	5.77	89.0	5.93	92.4	6.08	95.0	6.15
		53.3	67.4	3.62	73.0	4.36	79.5	5.10	86.4	5.71	89.0	5.87	92.4	6.01	95.0	6.06
50	23	9.4	56.2	0.81	60.8	0.95	66.2	1.14	72.0	1.24	74.2	1.27	77.0	1.32	79.2	1.33
	32	10.5	56.2	0.81	60.8	0.95	66.2	1.14	72.0	1.24	74.2	1.27	77.0	1.32	79.2	1.33
	41	12.1	56.2	0.81	60.8	0.95	66.2	1.14	72.0	1.24	74.2	1.27	77.0	1.32	79.2	1.33
	50	14.2	56.2	0.81	60.8	0.95	66.2	1.14	72.0	1.24	74.2	1.27	77.0	1.32	79.2	1.33
		17.8	56.2	0.79	60.8	0.93	66.2	1.12	72.0	1.23	74.2	1.25	77.0	1.30	79.2	1.31
		35.5	56.2	0.72	60.8	0.88	66.2	1.03	72.0	1.16	74.2	1.20	77.0	1.20	79.2	1.23
		44.4	56.2	0.71	60.8	0.88	66.2	1.00	72.0	1.13	74.2	1.14	77.0	1.19	79.2	1.18
		53.3	56.2	0.70	60.8	0.88	66.2	0.99	72.0	1.11	74.2	1.11	77.0	1.18	79.2	1.16
	59	14.2	56.2	1.11	60.8	1.30	66.2	1.52	72.0	1.69	74.2	1.74	77.0	1.78	79.2	1.81
		17.8	56.2	1.09	60.8	1.28	66.2	1.49	72.0	1.67	74.2	1.71	77.0	1.75	79.2	1.78
		35.5	56.2	1.00	60.8	1.19	66.2	1.39	72.0	1.57	74.2	1.61	77.0	1.64	79.2	1.67
		44.4	56.2	0.97	60.8	1.17	66.2	1.36	72.0	1.54	74.2	1.57	77.0	1.61	79.2	1.62
		53.3	56.2	0.96	60.8	1.17	66.2	1.35	72.0	1.52	74.2	1.54	77.0	1.59	79.2	1.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	14.2	56.2	1.37	60.8	1.61	66.2	1.86	72.0	2.09	74.2	2.15	77.0	2.19	79.2	2.24
		17.8	56.2	1.35	60.8	1.58	66.2	1.83	72.0	2.06	74.2	2.12	77.0	2.16	79.2	2.20
		35.5	56.2	1.25	60.8	1.46	66.2	1.71	72.0	1.93	74.2	1.97	77.0	2.03	79.2	2.06
		44.4	56.2	1.20	60.8	1.44	66.2	1.68	72.0	1.90	74.2	1.94	77.0	1.99	79.2	2.02
		53.3	56.2	1.18	60.8	1.42	66.2	1.67	72.0	1.88	74.2	1.93	77.0	1.96	79.2	1.99
	75	14.2	56.2	1.67	60.8	1.94	66.2	2.27	72.0	2.57	74.2	2.62	77.0	2.68	79.2	2.72
		17.8	56.2	1.64	60.8	1.91	66.2	2.23	72.0	2.52	74.2	2.58	77.0	2.64	79.2	2.68
		35.5	56.2	1.51	60.8	1.80	66.2	2.09	72.0	2.35	74.2	2.41	77.0	2.47	79.2	2.52
		44.4	56.2	1.46	60.8	1.75	66.2	2.04	72.0	2.31	74.2	2.36	77.0	2.42	79.2	2.45
		53.3	56.2	1.44	60.8	1.73	66.2	2.02	72.0	2.28	74.2	2.34	77.0	2.40	79.2	2.41
	86	14.2	56.2	2.07	60.8	2.40	66.2	2.80	72.0	3.15	74.2	3.23	77.0	3.30	79.2	3.36
		17.8	56.2	2.03	60.8	2.36	66.2	2.76	72.0	3.10	74.2	3.18	77.0	3.25	79.2	3.31
		35.5	56.2	1.86	60.8	2.20	66.2	2.57	72.0	2.90	74.2	2.96	77.0	3.05	79.2	3.09
		44.4	56.2	1.81	60.8	2.16	66.2	2.52	72.0	2.84	74.2	2.91	77.0	2.99	79.2	3.02
		53.3	56.2	1.79	60.8	2.14	66.2	2.50	72.0	2.81	74.2	2.89	77.0	2.96	79.2	2.98
	95	14.2	56.2	2.29	60.8	2.67	66.2	3.11	72.0	3.49	74.2	3.58	77.0	3.67	79.2	3.73
		17.8	56.2	2.25	60.8	2.62	66.2	3.06	72.0	3.44	74.2	3.52	77.0	3.61	79.2	3.67
		35.5	56.2	2.07	60.8	2.45	66.2	2.86	72.0	3.22	74.2	3.29	77.0	3.38	79.2	3.44
		44.4	56.2	2.02	60.8	2.41	66.2	2.80	72.0	3.16	74.2	3.23	77.0	3.32	79.2	3.35
		53.3	56.2	1.99	60.8	2.39	66.2	2.77	72.0	3.13	74.2	3.20	77.0	3.29	79.2	3.31
	104	14.2	56.2	2.72	60.8	3.15	66.2	3.69	72.0	4.14	74.2	4.25	77.0	4.35	79.2	4.42
		17.8	56.2	2.67	60.8	3.10	66.2	3.63	72.0	4.07	74.2	4.18	77.0	4.28	79.2	4.35
		35.5	56.2	2.45	60.8	2.90	66.2	3.38	72.0	3.81	74.2	3.90	77.0	4.00	79.2	4.07
		44.4	56.2	2.38	60.8	2.84	66.2	3.32	72.0	3.74	74.2	3.83	77.0	3.93	79.2	3.96
		53.3	56.2	2.34	60.8	2.81	66.2	3.29	72.0	3.70	74.2	3.79	77.0	3.89	79.2	3.90
	113	14.2	56.2	3.15	60.8	3.64	66.2	4.26	72.0	4.79	74.2	4.91	77.0	5.03	79.2	5.11
		17.8	56.2	3.09	60.8	3.58	66.2	4.19	72.0	4.71	74.2	4.83	77.0	4.94	79.2	5.03
		35.5	56.2	2.83	60.8	3.35	66.2	3.90	72.0	4.41	74.2	4.51	77.0	4.63	79.2	4.71
		44.4	56.2	2.74	60.8	3.28	66.2	3.84	72.0	4.32	74.2	4.42	77.0	4.54	79.2	4.57
		53.3	56.2	2.70	60.8	3.24	66.2	3.81	72.0	4.28	74.2	4.38	77.0	4.49	79.2	4.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	12.1	156.1	3.25	169.1	3.78	184.1	4.42	200.1	4.97	206.2	5.09	214.1	5.22	220.2	5.31
	32	13.5	156.1	3.25	169.1	3.78	184.1	4.42	200.1	4.97	206.2	5.09	214.1	5.22	220.2	5.31
	41	15.6	156.1	3.25	169.1	3.78	184.1	4.42	200.1	4.97	206.2	5.09	214.1	5.22	220.2	5.31
	50	18.3	156.1	3.25	169.1	3.78	184.1	4.42	200.1	4.97	206.2	5.09	214.1	5.22	220.2	5.31
		22.9	156.1	3.19	169.1	3.72	184.1	4.35	200.1	4.89	206.2	5.01	214.1	5.13	220.2	5.23
		45.7	156.1	2.95	169.1	3.49	184.1	4.06	200.1	4.57	206.2	4.69	214.1	4.82	220.2	4.90
		57.1	156.1	2.85	169.1	3.40	184.1	3.98	200.1	4.48	206.2	4.59	214.1	4.71	220.2	4.79
		68.6	156.1	2.80	169.1	3.36	184.1	3.94	200.1	4.43	206.2	4.54	214.1	4.66	220.2	4.74
	59	18.3	153.7	4.28	166.4	4.98	181.2	5.80	196.9	6.53	202.9	6.68	210.7	6.85	216.7	6.97
		22.9	153.7	4.19	166.4	4.90	181.2	5.71	196.9	6.42	202.9	6.58	210.7	6.74	216.7	6.86
		45.7	153.7	3.86	166.4	4.58	181.2	5.33	196.9	6.00	202.9	6.16	210.7	6.32	216.7	6.44
		57.1	153.7	3.75	166.4	4.48	181.2	5.23	196.9	5.88	202.9	6.04	210.7	6.19	216.7	6.30
		68.6	153.7	3.70	166.4	4.43	181.2	5.17	196.9	5.82	202.9	5.98	210.7	6.13	216.7	6.23
	67	18.3	151.4	5.19	163.9	6.04	178.6	7.03	194.1	7.91	200.0	8.10	207.7	8.29	213.5	8.43
		22.9	151.4	5.08	163.9	5.94	178.6	6.92	194.1	7.78	200.0	7.97	207.7	8.17	213.5	8.31
		45.7	151.4	4.68	163.9	5.54	178.6	6.47	194.1	7.28	200.0	7.46	207.7	7.66	213.5	7.82
		57.1	151.4	4.56	163.9	5.43	178.6	6.33	194.1	7.14	200.0	7.32	207.7	7.51	213.5	7.64
		68.6	151.4	4.50	163.9	5.38	178.6	6.27	194.1	7.06	200.0	7.25	207.7	7.43	213.5	7.55
	75	18.3	151.4	6.41	163.9	7.44	178.6	8.67	194.1	9.76	200.0	9.98	207.7	10.24	213.5	10.41
		22.9	151.4	6.28	163.9	7.32	178.6	8.53	194.1	9.61	200.0	9.82	207.7	10.08	213.5	10.25
		45.7	151.4	5.77	163.9	6.84	178.6	7.97	194.1	8.98	200.0	9.20	207.7	9.44	213.5	9.64
		57.1	151.4	5.61	163.9	6.70	178.6	7.80	194.1	8.80	200.0	9.03	207.7	9.26	213.5	9.42
		68.6	151.4	5.53	163.9	6.63	178.6	7.72	194.1	8.72	200.0	8.95	207.7	9.18	213.5	9.31
	86	18.3	151.4	7.68	163.9	8.93	178.6	10.40	194.1	11.72	200.0	11.99	207.7	12.28	213.5	12.49
		22.9	151.4	7.53	163.9	8.78	178.6	10.23	194.1	11.53	200.0	11.80	207.7	12.09	213.5	12.31
		45.7	151.4	6.93	163.9	8.21	178.6	9.56	194.1	10.77	200.0	11.04	207.7	11.33	213.5	11.56
		57.1	151.4	6.73	163.9	8.04	178.6	9.37	194.1	10.56	200.0	10.83	207.7	11.11	213.5	11.30
		68.6	151.4	6.63	163.9	7.95	178.6	9.28	194.1	10.46	200.0	10.73	207.7	11.00	213.5	11.16
	95	18.3	136.3	7.77	147.6	9.02	160.7	10.52	174.7	11.84	179.9	12.13	186.9	12.41	192.2	12.63
		22.9	136.3	7.62	147.6	8.88	160.7	10.35	174.7	11.65	179.9	11.93	186.9	12.22	192.2	12.44
		45.7	136.3	7.00	147.6	8.31	160.7	9.67	174.7	10.89	179.9	11.16	186.9	11.46	192.2	11.69
		57.1	136.3	6.81	147.6	8.12	160.7	9.47	174.7	10.68	179.9	10.96	186.9	11.24	192.2	11.43
		68.6	136.3	6.71	147.6	8.03	160.7	9.38	174.7	10.58	179.9	10.85	186.9	11.13	192.2	11.30
	104	18.3	121.1	8.20	131.1	9.52	142.8	11.09	155.3	12.50	160.0	12.78	166.1	13.09	170.8	13.33
		22.9	121.1	8.04	131.1	9.36	142.8	10.91	155.3	12.29	160.0	12.58	166.1	12.89	170.8	13.13
		45.7	121.1	7.39	131.1	8.76	142.8	10.21	155.3	11.49	160.0	11.78	166.1	12.09	170.8	12.33
		57.1	121.1	7.18	131.1	8.57	142.8	9.99	155.3	11.26	160.0	11.56	166.1	11.86	170.8	12.05
		68.6	121.1	7.08	131.1	8.48	142.8	9.88	155.3	11.15	160.0	11.45	166.1	11.74	170.8	11.92
	113	18.3	105.9	8.62	114.7	10.01	125.0	11.65	135.9	13.16	140.0	13.44	145.4	13.77	149.5	14.04
		22.9	105.9	8.45	114.7	9.85	125.0	11.47	135.9	12.94	140.0	13.23	145.4	13.56	149.5	13.82
		45.7	105.9	7.77	114.7	9.21	125.0	10.75	135.9	12.10	140.0	12.39	145.4	12.71	149.5	12.96
		57.1	105.9	7.55	114.7	9.02	125.0	10.51	135.9	11.84	140.0	12.16	145.4	12.47	149.5	12.68
		68.6	105.9	7.44	114.7	8.93	125.0	10.39	135.9	11.72	140.0	12.05	145.4	12.35	149.5	12.54
120	23	12.1	147.8	3.09	160.0	3.60	174.3	4.17	189.4	4.72	195.2	4.82	202.8	4.94	208.4	5.04
	32	13.5	147.8	3.09	160.0	3.60	174.3	4.17	189.4	4.72	195.2	4.82	202.8	4.94	208.4	5.04
	41	15.6	147.8	3.09	160.0	3.60	174.3	4.17	189.4	4.72	195.2	4.82	202.8	4.94	208.4	5.04
	50	18.3	147.8	3.09	160.0	3.60	174.3	4.17	189.4	4.72	195.2	4.82	202.8	4.94	208.4	5.04
		22.9	147.8	3.03	160.0	3.54	174.3	4.11	189.4	4.64	195.2	4.75	202.8	4.86	208.4	4.96
		45.7	147.8	2.77	160.0	3.31	174.3	3.86	189.4	4.32	195.2	4.44	202.8	4.56	208.4	4.65
		57.1	147.8	2.70	160.0	3.22	174.3	3.76	189.4	4.25	195.2	4.35	202.8	4.48	208.4	4.55
		68.6	147.8	2.66	160.0	3.18	174.3	3.71	189.4	4.21	195.2	4.31	202.8	4.45	208.4	4.49
	59	18.3	146.1	4.10	158.2	4.76	172.3	5.54	187.3	6.25	193.0	6.39	200.4	6.55	206.0	6.67
		22.9	146.1	4.02	158.2	4.69	172.3	5.46	187.3	6.15	193.0	6.29	200.4	6.44	206.0	6.56
		45.7	146.1	3.69	158.2	4.38	172.3	5.10	187.3	5.74	193.0	5.88	200.4	6.04	206.0	6.16
		57.1	146.1	3.59	158.2	4.28	172.3	4.99	187.3	5.63	193.0	5.77	200.4	5.93	206.0	6.02
		68.6	146.1	3.54	158.2	4.23	172.3	4.94	187.3	5.58	193.0	5.72	200.4	5.87	206.0	5.94
	67	18.3	144.6	5.00	156.6	5.80	170.6	6.76	185.4	7.61	191.0	7.79	198.3	7.97	203.9	8.12
		22.9	144.6	4.90	156.6	5.71	170.6	6.65	185.4	7.49	191.0	7.66	198.3	7.85	203.9	7.99
		45.7	144.6	4.50	156.6	5.33	170.6	6.21	185.4	7.00	191.0	7.17	198.3	7.35	203.9	7.50
		57.1	144.6	4.38	156.6	5.23	170.6	6.09	185.4	6.86	191.0	7.04	198.3	7.21	203.9	7.32
		68.6	144.6	4.32	156.6	5.17	170.6	6.03	185.4	6.79	191.0	6.97	198.3	7.14	203.9	7.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	18.3	144.6	6.14	156.6	7.13	170.6	8.30	185.4	9.35	191.0	9.57	198.3	9.80	203.9	9.98
		22.9	144.6	6.02	156.6	7.01	170.6	8.17	185.4	9.20	191.0	9.42	198.3	9.65	203.9	9.82
		45.7	144.6	5.53	156.6	6.55	170.6	7.64	185.4	8.61	191.0	8.81	198.3	9.05	203.9	9.22
		57.1	144.6	5.38	156.6	6.42	170.6	7.49	185.4	8.43	191.0	8.65	198.3	8.87	203.9	9.00
		68.6	144.6	5.30	156.6	6.36	170.6	7.41	185.4	8.34	191.0	8.57	198.3	8.78	203.9	8.89
	86	18.3	144.6	7.41	156.6	8.63	170.6	10.04	185.4	11.30	191.0	11.58	198.3	11.85	203.9	12.06
		22.9	144.6	7.27	156.6	8.49	170.6	9.88	185.4	11.12	191.0	11.39	198.3	11.67	203.9	11.88
		45.7	144.6	6.69	156.6	7.93	170.6	9.23	185.4	10.41	191.0	10.66	198.3	10.93	203.9	11.15
		57.1	144.6	6.50	156.6	7.76	170.6	9.05	185.4	10.20	191.0	10.46	198.3	10.72	203.9	10.89
		68.6	144.6	6.41	156.6	7.68	170.6	8.95	185.4	10.09	191.0	10.36	198.3	10.62	203.9	10.76
	95	18.3	132.3	7.61	143.3	8.84	156.1	10.29	169.6	11.59	174.8	11.87	181.5	12.16	186.7	12.36
		22.9	132.3	7.45	143.3	8.69	156.1	10.12	169.6	11.41	174.8	11.68	181.5	11.97	186.7	12.17
		45.7	132.3	6.85	143.3	8.12	156.1	9.46	169.6	10.66	174.8	10.92	181.5	11.21	186.7	11.43
		57.1	132.3	6.66	143.3	7.96	156.1	9.28	169.6	10.45	174.8	10.72	181.5	10.99	186.7	11.15
		68.6	132.3	6.57	143.3	7.88	156.1	9.18	169.6	10.35	174.8	10.63	181.5	10.88	186.7	11.02
	104	18.3	120.1	8.19	130.0	9.51	141.6	11.08	153.9	12.48	158.6	12.77	164.7	13.08	169.3	13.31
		22.9	120.1	8.02	130.0	9.35	141.6	10.90	153.9	12.27	158.6	12.57	164.7	12.88	169.3	13.11
		45.7	120.1	7.38	130.0	8.75	141.6	10.19	153.9	11.47	158.6	11.76	164.7	12.06	169.3	12.29
		57.1	120.1	7.17	130.0	8.56	141.6	9.98	153.9	11.25	158.6	11.54	164.7	11.83	169.3	12.01
		68.6	120.1	7.06	130.0	8.47	141.6	9.87	153.9	11.14	158.6	11.43	164.7	11.72	169.3	11.87
	113	18.3	107.8	8.77	116.7	10.17	127.2	11.87	138.1	13.36	142.3	13.68	147.9	14.01	151.9	14.26
		22.9	107.8	8.60	116.7	10.01	127.2	11.68	138.1	13.14	142.3	13.46	147.9	13.79	151.9	14.04
		45.7	107.8	7.90	116.7	9.37	127.2	10.91	138.1	12.28	142.3	12.59	147.9	12.92	151.9	13.16
		57.1	107.8	7.67	116.7	9.17	127.2	10.68	138.1	12.05	142.3	12.35	147.9	12.68	151.9	12.87
		68.6	107.8	7.56	116.7	9.06	127.2	10.57	138.1	11.94	142.3	12.23	147.9	12.56	151.9	12.72
110	23	12.1	139.5	2.91	151.0	3.38	164.5	3.94	178.7	4.44	184.0	4.56	191.1	4.65	196.6	4.76
	32	13.5	139.5	2.91	151.0	3.38	164.5	3.94	178.7	4.44	184.0	4.56	191.1	4.65	196.6	4.76
	41	15.6	139.5	2.91	151.0	3.38	164.5	3.94	178.7	4.44	184.0	4.56	191.1	4.65	196.6	4.76
	50	18.3	139.5	2.91	151.0	3.38	164.5	3.94	178.7	4.44	184.0	4.56	191.1	4.65	196.6	4.76
		22.9	139.5	2.86	151.0	3.33	164.5	3.88	178.7	4.37	184.0	4.49	191.1	4.58	196.6	4.69
		45.7	139.5	2.62	151.0	3.12	164.5	3.64	178.7	4.08	184.0	4.20	191.1	4.31	196.6	4.39
		57.1	139.5	2.55	151.0	3.06	164.5	3.55	178.7	4.02	184.0	4.12	191.1	4.22	196.6	4.26
		68.6	139.5	2.51	151.0	3.03	164.5	3.51	178.7	3.99	184.0	4.07	191.1	4.18	196.6	4.20
	59	18.3	138.6	3.91	150.0	4.54	163.5	5.29	177.7	5.96	182.9	6.10	190.1	6.24	195.4	6.37
		22.9	138.6	3.83	150.0	4.47	163.5	5.20	177.7	5.86	182.9	6.00	190.1	6.15	195.4	6.27
		45.7	138.6	3.52	150.0	4.18	163.5	4.87	177.7	5.48	182.9	5.62	190.1	5.76	195.4	5.87
		57.1	138.6	3.42	150.0	4.09	163.5	4.76	177.7	5.38	182.9	5.51	190.1	5.65	195.4	5.72
		68.6	138.6	3.38	150.0	4.05	163.5	4.71	177.7	5.33	182.9	5.46	190.1	5.60	195.4	5.64
	67	18.3	137.8	4.79	149.2	5.57	162.5	6.48	176.8	7.31	182.0	7.47	189.1	7.66	194.4	7.80
		22.9	137.8	4.70	149.2	5.48	162.5	6.38	176.8	7.19	182.0	7.35	189.1	7.54	194.4	7.67
		45.7	137.8	4.33	149.2	5.13	162.5	5.97	176.8	6.72	182.0	6.88	189.1	7.06	194.4	7.19
		57.1	137.8	4.20	149.2	5.02	162.5	5.84	176.8	6.59	182.0	6.75	189.1	6.93	194.4	7.01
		68.6	137.8	4.14	149.2	4.96	162.5	5.77	176.8	6.52	182.0	6.69	189.1	6.86	194.4	6.93
	75	18.3	137.8	5.87	149.2	6.82	162.5	7.94	176.8	8.95	182.0	9.16	189.1	9.38	194.4	9.55
		22.9	137.8	5.75	149.2	6.71	162.5	7.82	176.8	8.80	182.0	9.01	189.1	9.23	194.4	9.40
		45.7	137.8	5.29	149.2	6.27	162.5	7.31	176.8	8.23	182.0	8.43	189.1	8.65	194.4	8.80
		57.1	137.8	5.15	149.2	6.14	162.5	7.16	176.8	8.07	182.0	8.27	189.1	8.49	194.4	8.58
		68.6	137.8	5.08	149.2	6.07	162.5	7.08	176.8	7.99	182.0	8.18	189.1	8.40	194.4	8.47
	86	18.3	137.8	7.16	149.2	8.31	162.5	9.69	176.8	10.90	182.0	11.17	189.1	11.43	194.4	11.64
		22.9	137.8	7.01	149.2	8.18	162.5	9.53	176.8	10.72	182.0	10.99	189.1	11.25	194.4	11.46
		45.7	137.8	6.44	149.2	7.65	162.5	8.90	176.8	10.03	182.0	10.27	189.1	10.54	194.4	10.74
		57.1	137.8	6.27	149.2	7.49	162.5	8.73	176.8	9.84	182.0	10.08	189.1	10.34	194.4	10.47
		68.6	137.8	6.18	149.2	7.40	162.5	8.64	176.8	9.74	182.0	9.98	189.1	10.24	194.4	10.34
	95	18.3	128.5	7.44	139.1	8.65	151.4	10.06	164.6	11.34	169.5	11.60	176.2	11.89	181.1	12.10
		22.9	128.5	7.29	139.1	8.51	151.4	9.90	164.6	11.15	169.5	11.42	176.2	11.70	181.1	11.91
		45.7	128.5	6.71	139.1	7.95	151.4	9.26	164.6	10.43	169.5	10.68	176.2	10.96	181.1	11.16
		57.1	128.5	6.52	139.1	7.78	151.4	9.07	164.6	10.22	169.5	10.48	176.2	10.75	181.1	10.89
		68.6	128.5	6.43	139.1	7.70	151.4	8.97	164.6	10.12	169.5	10.38	176.2	10.64	181.1	10.75

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	18.3	119.0	8.18	128.9	9.49	140.4	11.06	152.6	12.45	157.2	12.75	163.2	13.06	167.8	13.29
		22.9	119.0	8.01	128.9	9.34	140.4	10.88	152.6	12.25	157.2	12.55	163.2	12.85	167.8	13.08
		45.7	119.0	7.37	128.9	8.74	140.4	10.18	152.6	11.46	157.2	11.73	163.2	12.04	167.8	12.26
		57.1	119.0	7.16	128.9	8.55	140.4	9.97	152.6	11.23	157.2	11.52	163.2	11.81	167.8	11.95
		68.6	119.0	7.05	128.9	8.46	140.4	9.86	152.6	11.12	157.2	11.41	163.2	11.70	167.8	11.80
	113	18.3	109.6	8.92	118.8	10.34	129.3	12.05	140.6	13.56	144.8	13.90	150.3	14.23	154.5	14.49
		22.9	109.6	8.74	118.8	10.18	129.3	11.86	140.6	13.35	144.8	13.68	150.3	14.01	154.5	14.26
		45.7	109.6	8.02	118.8	9.53	129.3	11.09	140.6	12.49	144.8	12.79	150.3	13.13	154.5	13.36
		57.1	109.6	7.79	118.8	9.32	129.3	10.87	140.6	12.24	144.8	12.55	150.3	12.88	154.5	13.02
		68.6	109.6	7.68	118.8	9.22	129.3	10.76	140.6	12.11	144.8	12.43	150.3	12.75	154.5	12.85
100	23	12.1	131.0	2.76	141.9	3.20	154.6	3.73	168.0	4.20	173.0	4.30	179.8	4.41	184.8	4.46
	32	13.5	131.0	2.76	141.9	3.20	154.6	3.73	168.0	4.20	173.0	4.30	179.8	4.41	184.8	4.46
	41	15.6	131.0	2.76	141.9	3.20	154.6	3.73	168.0	4.20	173.0	4.30	179.8	4.41	184.8	4.46
	50	18.3	131.0	2.76	141.9	3.20	154.6	3.73	168.0	4.20	173.0	4.30	179.8	4.41	184.8	4.46
		22.9	131.0	2.70	141.9	3.15	154.6	3.67	168.0	4.13	173.0	4.22	179.8	4.33	184.8	4.39
		45.7	131.0	2.48	141.9	2.95	154.6	3.41	168.0	3.85	173.0	3.94	179.8	4.03	184.8	4.11
		57.1	131.0	2.40	141.9	2.87	154.6	3.36	168.0	3.77	173.0	3.88	179.8	3.96	184.8	4.00
		68.6	131.0	2.35	141.9	2.83	154.6	3.33	168.0	3.73	173.0	3.85	179.8	3.92	184.8	3.95
	59	18.3	131.0	3.73	141.9	4.33	154.6	5.04	168.0	5.68	173.0	5.81	179.8	5.96	184.8	6.06
		22.9	131.0	3.66	141.9	4.26	154.6	4.96	168.0	5.59	173.0	5.72	179.8	5.86	184.8	5.96
		45.7	131.0	3.36	141.9	3.98	154.6	4.63	168.0	5.23	173.0	5.35	179.8	5.48	184.8	5.58
		57.1	131.0	3.26	141.9	3.90	154.6	4.54	168.0	5.12	173.0	5.25	179.8	5.38	184.8	5.43
		68.6	131.0	3.21	141.9	3.85	154.6	4.50	168.0	5.06	173.0	5.20	179.8	5.33	184.8	5.36
	67	18.3	131.0	4.59	141.9	5.33	154.6	6.21	168.0	6.99	173.0	7.16	179.8	7.34	184.8	7.47
		22.9	131.0	4.50	141.9	5.25	154.6	6.11	168.0	6.88	173.0	7.05	179.8	7.22	184.8	7.35
		45.7	131.0	4.14	141.9	4.91	154.6	5.72	168.0	6.44	173.0	6.60	179.8	6.76	184.8	6.88
		57.1	131.0	4.03	141.9	4.81	154.6	5.60	168.0	6.31	173.0	6.47	179.8	6.64	184.8	6.71
		68.6	131.0	3.97	141.9	4.76	154.6	5.54	168.0	6.25	173.0	6.40	179.8	6.58	184.8	6.62
	75	18.3	131.0	5.60	141.9	6.51	154.6	7.59	168.0	8.54	173.0	8.73	179.8	8.96	184.8	9.11
		22.9	131.0	5.49	141.9	6.40	154.6	7.46	168.0	8.40	173.0	8.60	179.8	8.81	184.8	8.97
		45.7	131.0	5.05	141.9	5.98	154.6	6.97	168.0	7.85	173.0	8.05	179.8	8.24	184.8	8.40
		57.1	131.0	4.91	141.9	5.86	154.6	6.83	168.0	7.70	173.0	7.89	179.8	8.09	184.8	8.18
		68.6	131.0	4.84	141.9	5.80	154.6	6.76	168.0	7.62	173.0	7.82	179.8	8.01	184.8	8.07
	86	18.3	131.0	6.89	141.9	8.01	154.6	9.33	168.0	10.50	173.0	10.76	179.8	11.01	184.8	11.21
		22.9	131.0	6.75	141.9	7.88	154.6	9.18	168.0	10.33	173.0	10.58	179.8	10.83	184.8	11.03
		45.7	131.0	6.21	141.9	7.37	154.6	8.57	168.0	9.66	173.0	9.89	179.8	10.14	184.8	10.33
		57.1	131.0	6.04	141.9	7.21	154.6	8.40	168.0	9.47	173.0	9.70	179.8	9.96	184.8	10.06
		68.6	131.0	5.95	141.9	7.14	154.6	8.31	168.0	9.38	173.0	9.61	179.8	9.86	184.8	9.92
	95	18.3	124.5	7.27	134.9	8.45	146.9	9.84	159.6	11.08	164.4	11.35	170.8	11.62	175.6	11.84
		22.9	124.5	7.12	134.9	8.31	146.9	9.68	159.6	10.90	164.4	11.16	170.8	11.44	175.6	11.65
		45.7	124.5	6.55	134.9	7.77	146.9	9.06	159.6	10.20	164.4	10.44	170.8	10.70	175.6	10.90
		57.1	124.5	6.38	134.9	7.61	146.9	8.87	159.6	10.00	164.4	10.24	170.8	10.51	175.6	10.62
		68.6	124.5	6.29	134.9	7.53	146.9	8.78	159.6	9.90	164.4	10.14	170.8	10.41	175.6	10.47
	104	18.3	118.0	8.15	127.8	9.49	139.1	11.05	151.2	12.44	155.8	12.73	161.8	13.04	166.4	13.27
		22.9	118.0	7.99	127.8	9.33	139.1	10.87	151.2	12.24	155.8	12.53	161.8	12.83	166.4	13.06
		45.7	118.0	7.35	127.8	8.72	139.1	10.15	151.2	11.44	155.8	11.71	161.8	12.01	166.4	12.23
		57.1	118.0	7.15	127.8	8.53	139.1	9.95	151.2	11.22	155.8	11.49	161.8	11.79	166.4	11.91
		68.6	118.0	7.04	127.8	8.44	139.1	9.84	151.2	11.11	155.8	11.38	161.8	11.68	166.4	11.75
	113	18.3	111.4	9.04	120.6	10.53	131.3	12.26	142.8	13.81	147.1	14.11	152.8	14.46	157.2	14.71
		22.9	111.4	8.86	120.6	10.35	131.3	12.05	142.8	13.58	147.1	13.89	152.8	14.23	157.2	14.48
		45.7	111.4	8.16	120.6	9.66	131.3	11.25	142.8	12.68	147.1	12.99	152.8	13.32	157.2	13.56
		57.1	111.4	7.91	120.6	9.45	131.3	11.02	142.8	12.44	147.1	12.74	152.8	13.07	157.2	13.21
		68.6	111.4	7.79	120.6	9.35	131.3	10.91	142.8	12.32	147.1	12.62	152.8	12.95	157.2	13.03
90	23	12.1	118.0	2.36	127.8	2.75	139.1	3.19	151.2	3.61	155.8	3.68	161.8	3.76	166.4	3.85
	32	13.5	118.0	2.36	127.8	2.75	139.1	3.19	151.2	3.61	155.8	3.68	161.8	3.76	166.4	3.85
	41	15.6	118.0	2.36	127.8	2.75	139.1	3.19	151.2	3.61	155.8	3.68	161.8	3.76	166.4	3.85
	50	18.3	118.0	2.36	127.8	2.75	139.1	3.19	151.2	3.61	155.8	3.68	161.8	3.76	166.4	3.85
		22.9	118.0	2.31	127.8	2.70	139.1	3.15	151.2	3.55	155.8	3.62	161.8	3.70	166.4	3.79
		45.7	118.0	2.12	127.8	2.52	139.1	2.96	151.2	3.30	155.8	3.39	161.8	3.49	166.4	3.55
		57.1	118.0	2.07	127.8	2.46	139.1	2.88	151.2	3.24	155.8	3.33	161.8	3.42	166.4	3.44
		68.6	118.0	2.04	127.8	2.43	139.1	2.85	151.2	3.21	155.8	3.29	161.8	3.39	166.4	3.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	18.3	118.0	3.20	127.8	3.73	139.1	4.34	151.2	4.89	155.8	5.00	161.8	5.12	166.4	5.22
		22.9	118.0	3.14	127.8	3.67	139.1	4.27	151.2	4.81	155.8	4.92	161.8	5.04	166.4	5.14
		45.7	118.0	2.89	127.8	3.42	139.1	4.00	151.2	4.49	155.8	4.60	161.8	4.72	166.4	4.81
		57.1	118.0	2.81	127.8	3.35	139.1	3.91	151.2	4.40	155.8	4.51	161.8	4.63	166.4	4.68
		68.6	118.0	2.77	127.8	3.31	139.1	3.86	151.2	4.36	155.8	4.47	161.8	4.59	166.4	4.61
	67	18.3	118.0	3.95	127.8	4.60	139.1	5.36	151.2	6.02	155.8	6.17	161.8	6.33	166.4	6.44
		22.9	118.0	3.87	127.8	4.52	139.1	5.27	151.2	5.93	155.8	6.07	161.8	6.22	166.4	6.33
		45.7	118.0	3.57	127.8	4.23	139.1	4.92	151.2	5.54	155.8	5.68	161.8	5.82	166.4	5.93
		57.1	118.0	3.47	127.8	4.14	139.1	4.82	151.2	5.43	155.8	5.57	161.8	5.71	166.4	5.77
		68.6	118.0	3.42	127.8	4.09	139.1	4.77	151.2	5.38	155.8	5.51	161.8	5.65	166.4	5.70
	75	18.3	118.0	4.81	127.8	5.60	139.1	6.53	151.2	7.35	155.8	7.52	161.8	7.71	166.4	7.84
		22.9	118.0	4.72	127.8	5.51	139.1	6.42	151.2	7.23	155.8	7.40	161.8	7.59	166.4	7.72
		45.7	118.0	4.35	127.8	5.15	139.1	6.00	151.2	6.76	155.8	6.93	161.8	7.10	166.4	7.22
		57.1	118.0	4.23	127.8	5.04	139.1	5.88	151.2	6.63	155.8	6.79	161.8	6.97	166.4	7.04
		68.6	118.0	4.17	127.8	4.98	139.1	5.82	151.2	6.56	155.8	6.73	161.8	6.91	166.4	6.94
	86	18.3	118.0	5.92	127.8	6.90	139.1	8.02	151.2	9.04	155.8	9.25	161.8	9.48	166.4	9.65
		22.9	118.0	5.81	127.8	6.78	139.1	7.89	151.2	8.89	155.8	9.10	161.8	9.33	166.4	9.50
		45.7	118.0	5.35	127.8	6.33	139.1	7.39	151.2	8.31	155.8	8.52	161.8	8.73	166.4	8.89
		57.1	118.0	5.20	127.8	6.20	139.1	7.23	151.2	8.16	155.8	8.35	161.8	8.57	166.4	8.65
		68.6	118.0	5.13	127.8	6.14	139.1	7.16	151.2	8.08	155.8	8.27	161.8	8.50	166.4	8.53
	95	18.3	114.7	6.40	124.1	7.43	135.2	8.66	147.0	9.75	151.4	9.99	157.3	10.23	161.7	10.41
		22.9	114.7	6.27	124.1	7.31	135.2	8.52	147.0	9.59	151.4	9.82	157.3	10.07	161.7	10.24
		45.7	114.7	5.76	124.1	6.84	135.2	7.97	147.0	8.97	151.4	9.19	157.3	9.42	161.7	9.59
		57.1	114.7	5.61	124.1	6.70	135.2	7.80	147.0	8.79	151.4	9.01	157.3	9.24	161.7	9.34
		68.6	114.7	5.53	124.1	6.63	135.2	7.72	147.0	8.71	151.4	8.92	157.3	9.16	161.7	9.22
	104	18.3	111.4	7.35	120.6	8.53	131.4	9.95	142.8	11.20	147.1	11.47	152.8	11.74	157.0	11.96
		22.9	111.4	7.20	120.6	8.40	131.4	9.79	142.8	11.02	147.1	11.28	152.8	11.56	157.0	11.77
		45.7	111.4	6.63	120.6	7.86	131.4	9.16	142.8	10.31	147.1	10.55	152.8	10.82	157.0	11.02
		57.1	111.4	6.44	120.6	7.68	131.4	8.97	142.8	10.10	147.1	10.35	152.8	10.62	157.0	10.72
		68.6	111.4	6.35	120.6	7.60	131.4	8.88	142.8	10.00	147.1	10.25	152.8	10.51	157.0	10.58
	113	18.3	108.2	8.29	117.1	9.64	127.5	11.25	138.6	12.65	142.8	12.96	148.4	13.26	152.4	13.51
		22.9	108.2	8.13	117.1	9.48	127.5	11.07	138.6	12.45	142.8	12.74	148.4	13.05	152.4	13.29
		45.7	108.2	7.50	117.1	8.88	127.5	10.34	138.6	11.65	142.8	11.91	148.4	12.23	152.4	12.45
		57.1	108.2	7.28	117.1	8.67	127.5	10.13	138.6	11.41	142.8	11.69	148.4	11.99	152.4	12.11
		68.6	108.2	7.17	117.1	8.57	127.5	10.03	138.6	11.29	142.8	11.58	148.4	11.87	152.4	11.94
80	23	12.1	104.9	1.98	113.5	2.31	123.7	2.68	134.4	3.01	138.5	3.09	143.9	3.17	147.8	3.22
	32	13.5	104.9	1.98	113.5	2.31	123.7	2.68	134.4	3.01	138.5	3.09	143.9	3.17	147.8	3.22
	41	15.6	104.9	1.98	113.5	2.31	123.7	2.68	134.4	3.01	138.5	3.09	143.9	3.17	147.8	3.22
	50	18.3	104.9	1.98	113.5	2.31	123.7	2.68	134.4	3.01	138.5	3.09	143.9	3.17	147.8	3.22
		22.9	104.9	1.94	113.5	2.27	123.7	2.64	134.4	2.97	138.5	3.04	143.9	3.11	147.8	3.17
		45.7	104.9	1.80	113.5	2.12	123.7	2.47	134.4	2.78	138.5	2.84	143.9	2.90	147.8	2.97
		57.1	104.9	1.74	113.5	2.07	123.7	2.43	134.4	2.74	138.5	2.80	143.9	2.87	147.8	2.88
		68.6	104.9	1.72	113.5	2.04	123.7	2.41	134.4	2.72	138.5	2.78	143.9	2.86	147.8	2.84
	59	18.3	104.9	2.69	113.5	3.12	123.7	3.64	134.4	4.10	138.5	4.20	143.9	4.30	147.8	4.37
		22.9	104.9	2.63	113.5	3.07	123.7	3.58	134.4	4.03	138.5	4.13	143.9	4.23	147.8	4.30
		45.7	104.9	2.43	113.5	2.88	123.7	3.35	134.4	3.77	138.5	3.85	143.9	3.95	147.8	4.03
		57.1	104.9	2.36	113.5	2.81	123.7	3.28	134.4	3.70	138.5	3.79	143.9	3.89	147.8	3.92
		68.6	104.9	2.33	113.5	2.78	123.7	3.25	134.4	3.67	138.5	3.75	143.9	3.85	147.8	3.86
	67	18.3	104.9	3.32	113.5	3.85	123.7	4.48	134.4	5.06	138.5	5.18	143.9	5.30	147.8	5.40
		22.9	104.9	3.25	113.5	3.79	123.7	4.41	134.4	4.97	138.5	5.09	143.9	5.21	147.8	5.31
		45.7	104.9	2.99	113.5	3.55	123.7	4.13	134.4	4.64	138.5	4.75	143.9	4.88	147.8	4.97
		57.1	104.9	2.91	113.5	3.47	123.7	4.04	134.4	4.56	138.5	4.67	143.9	4.79	147.8	4.84
		68.6	104.9	2.87	113.5	3.43	123.7	4.00	134.4	4.51	138.5	4.62	143.9	4.74	147.8	4.78
	75	18.3	104.9	4.04	113.5	4.70	123.7	5.47	134.4	6.16	138.5	6.30	143.9	6.46	147.8	6.58
		22.9	104.9	3.96	113.5	4.62	123.7	5.38	134.4	6.06	138.5	6.20	143.9	6.36	147.8	6.48
		45.7	104.9	3.64	113.5	4.33	123.7	5.03	134.4	5.66	138.5	5.81	143.9	5.95	147.8	6.06
		57.1	104.9	3.55	113.5	4.23	123.7	4.93	134.4	5.55	138.5	5.70	143.9	5.84	147.8	5.89
		68.6	104.9	3.50	113.5	4.18	123.7	4.88	134.4	5.50	138.5	5.64	143.9	5.79	147.8	5.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168DAS4, ARWB168DAS4
168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	18.3	104.9	4.97	113.5	5.78	123.7	6.73	134.4	7.58	138.5	7.75	143.9	7.94	147.8	8.09
		22.9	104.9	4.87	113.5	5.69	123.7	6.62	134.4	7.45	138.5	7.63	143.9	7.82	147.8	7.96
		45.7	104.9	4.48	113.5	5.31	123.7	6.19	134.4	6.97	138.5	7.14	143.9	7.32	147.8	7.45
		57.1	104.9	4.36	113.5	5.20	123.7	6.06	134.4	6.84	138.5	7.00	143.9	7.18	147.8	7.26
		68.6	104.9	4.30	113.5	5.15	123.7	5.99	134.4	6.77	138.5	6.94	143.9	7.11	147.8	7.16
	95	18.3	104.9	5.52	113.5	6.41	123.7	7.47	134.4	8.42	138.5	8.63	143.9	8.84	147.8	8.99
		22.9	104.9	5.41	113.5	6.31	123.7	7.35	134.4	8.29	138.5	8.49	143.9	8.69	147.8	8.85
		45.7	104.9	4.98	113.5	5.91	123.7	6.88	134.4	7.75	138.5	7.93	143.9	8.13	147.8	8.28
		57.1	104.9	4.84	113.5	5.77	123.7	6.74	134.4	7.60	138.5	7.78	143.9	7.98	147.8	8.06
		68.6	104.9	4.77	113.5	5.71	123.7	6.67	134.4	7.52	138.5	7.71	143.9	7.90	147.8	7.95
	104	18.3	104.9	6.54	113.5	7.60	123.7	8.86	134.4	9.97	138.5	10.21	143.9	10.45	147.8	10.64
		22.9	104.9	6.41	113.5	7.48	123.7	8.72	134.4	9.81	138.5	10.04	143.9	10.29	147.8	10.47
		45.7	104.9	5.89	113.5	6.99	123.7	8.15	134.4	9.18	138.5	9.39	143.9	9.63	147.8	9.80
		57.1	104.9	5.73	113.5	6.84	123.7	7.98	134.4	8.99	138.5	9.21	143.9	9.45	147.8	9.55
		68.6	104.9	5.65	113.5	6.76	123.7	7.90	134.4	8.90	138.5	9.12	143.9	9.36	147.8	9.42
	113	18.3	104.9	7.56	113.5	8.78	123.7	10.25	134.4	11.53	138.5	11.79	143.9	12.07	147.8	12.29
		22.9	104.9	7.41	113.5	8.64	123.7	10.08	134.4	11.34	138.5	11.60	143.9	11.88	147.8	12.10
		45.7	104.9	6.81	113.5	8.08	123.7	9.41	134.4	10.60	138.5	10.85	143.9	11.12	147.8	11.33
		57.1	104.9	6.62	113.5	7.90	123.7	9.22	134.4	10.38	138.5	10.64	143.9	10.92	147.8	11.04
		68.6	104.9	6.53	113.5	7.82	123.7	9.13	134.4	10.28	138.5	10.53	143.9	10.82	147.8	10.90
70	23	12.1	91.7	1.64	99.3	1.92	108.2	2.24	117.6	2.51	121.1	2.56	125.9	2.63	129.4	2.68
	32	13.5	91.7	1.64	99.3	1.92	108.2	2.24	117.6	2.51	121.1	2.56	125.9	2.63	129.4	2.68
	41	15.6	91.7	1.64	99.3	1.92	108.2	2.24	117.6	2.51	121.1	2.56	125.9	2.63	129.4	2.68
	50	18.3	91.7	1.64	99.3	1.92	108.2	2.24	117.6	2.51	121.1	2.56	125.9	2.63	129.4	2.68
		22.9	91.7	1.60	99.3	1.89	108.2	2.20	117.6	2.47	121.1	2.52	125.9	2.59	129.4	2.64
		45.7	91.7	1.48	99.3	1.78	108.2	2.04	117.6	2.30	121.1	2.37	125.9	2.43	129.4	2.47
		57.1	91.7	1.44	99.3	1.72	108.2	2.01	117.6	2.27	121.1	2.32	125.9	2.38	129.4	2.41
		68.6	91.7	1.41	99.3	1.69	108.2	1.99	117.6	2.26	121.1	2.30	125.9	2.35	129.4	2.38
	59	18.3	91.7	2.23	99.3	2.60	108.2	3.02	117.6	3.40	121.1	3.48	125.9	3.57	129.4	3.64
		22.9	91.7	2.18	99.3	2.56	108.2	2.97	117.6	3.35	121.1	3.42	125.9	3.51	129.4	3.58
		45.7	91.7	2.01	99.3	2.39	108.2	2.78	117.6	3.13	121.1	3.21	125.9	3.29	129.4	3.35
		57.1	91.7	1.95	99.3	2.34	108.2	2.72	117.6	3.07	121.1	3.15	125.9	3.23	129.4	3.26
		68.6	91.7	1.93	99.3	2.31	108.2	2.70	117.6	3.05	121.1	3.12	125.9	3.19	129.4	3.22
	67	18.3	91.7	2.76	99.3	3.20	108.2	3.72	117.6	4.19	121.1	4.30	125.9	4.41	129.4	4.48
		22.9	91.7	2.70	99.3	3.15	108.2	3.67	117.6	4.13	121.1	4.23	125.9	4.34	129.4	4.41
		45.7	91.7	2.48	99.3	2.94	108.2	3.44	117.6	3.86	121.1	3.95	125.9	4.06	129.4	4.13
		57.1	91.7	2.42	99.3	2.89	108.2	3.36	117.6	3.79	121.1	3.89	125.9	3.98	129.4	4.02
		68.6	91.7	2.38	99.3	2.86	108.2	3.32	117.6	3.75	121.1	3.85	125.9	3.95	129.4	3.96
	75	18.3	91.7	3.36	99.3	3.91	108.2	4.55	117.6	5.12	121.1	5.25	125.9	5.38	129.4	5.46
		22.9	91.7	3.29	99.3	3.84	108.2	4.48	117.6	5.04	121.1	5.16	125.9	5.29	129.4	5.38
		45.7	91.7	3.03	99.3	3.59	108.2	4.18	117.6	4.71	121.1	4.82	125.9	4.95	129.4	5.04
		57.1	91.7	2.94	99.3	3.51	108.2	4.09	117.6	4.62	121.1	4.73	125.9	4.85	129.4	4.91
		68.6	91.7	2.90	99.3	3.47	108.2	4.05	117.6	4.58	121.1	4.69	125.9	4.80	129.4	4.84
	86	18.3	91.7	4.13	99.3	4.80	108.2	5.59	117.6	6.30	121.1	6.45	125.9	6.60	129.4	6.73
		22.9	91.7	4.05	99.3	4.72	108.2	5.50	117.6	6.20	121.1	6.34	125.9	6.50	129.4	6.62
		45.7	91.7	3.72	99.3	4.41	108.2	5.15	117.6	5.80	121.1	5.94	125.9	6.08	129.4	6.19
		57.1	91.7	3.62	99.3	4.33	108.2	5.04	117.6	5.69	121.1	5.82	125.9	5.97	129.4	6.04
		68.6	91.7	3.57	99.3	4.28	108.2	4.98	117.6	5.63	121.1	5.76	125.9	5.92	129.4	5.96
	95	18.3	91.7	4.59	99.3	5.33	108.2	6.21	117.6	6.99	121.1	7.16	125.9	7.34	129.4	7.47
		22.9	91.7	4.50	99.3	5.25	108.2	6.11	117.6	6.88	121.1	7.05	125.9	7.22	129.4	7.35
		45.7	91.7	4.14	99.3	4.91	108.2	5.72	117.6	6.44	121.1	6.60	125.9	6.76	129.4	6.88
		57.1	91.7	4.03	99.3	4.81	108.2	5.60	117.6	6.31	121.1	6.47	125.9	6.63	129.4	6.71
		68.6	91.7	3.97	99.3	4.76	108.2	5.54	117.6	6.25	121.1	6.40	125.9	6.56	129.4	6.62
	104	18.3	91.7	5.44	99.3	6.31	108.2	7.36	117.6	8.29	121.1	8.49	125.9	8.69	129.4	8.84
		22.9	91.7	5.33	99.3	6.21	108.2	7.25	117.6	8.16	121.1	8.35	125.9	8.55	129.4	8.70
		45.7	91.7	4.91	99.3	5.82	108.2	6.77	117.6	7.63	121.1	7.80	125.9	8.00	129.4	8.16
		57.1	91.7	4.76	99.3	5.69	108.2	6.63	117.6	7.48	121.1	7.66	125.9	7.86	129.4	7.94
		68.6	91.7	4.69	99.3	5.62	108.2	6.56	117.6	7.40	121.1	7.59	125.9	7.79	129.4	7.83

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	18.3	91.7	6.29	99.3	7.29	108.2	8.51	117.6	9.58	121.1	9.82	125.9	10.04	129.4	10.21
		22.9	91.7	6.17	99.3	7.18	108.2	8.38	117.6	9.43	121.1	9.66	125.9	9.88	129.4	10.06
		45.7	91.7	5.68	99.3	6.73	108.2	7.83	117.6	8.81	121.1	9.01	125.9	9.24	129.4	9.43
		57.1	91.7	5.50	99.3	6.56	108.2	7.66	117.6	8.64	121.1	8.86	125.9	9.09	129.4	9.17
		68.6	91.7	5.41	99.3	6.48	108.2	7.58	117.6	8.55	121.1	8.78	125.9	9.01	129.4	9.03
60	23	12.1	78.6	1.32	85.2	1.51	92.8	1.78	100.8	2.00	103.8	2.05	107.8	2.09	110.8	2.15
	32	13.5	78.6	1.32	85.2	1.51	92.8	1.78	100.8	2.00	103.8	2.05	107.8	2.09	110.8	2.15
	41	15.6	78.6	1.32	85.2	1.51	92.8	1.78	100.8	2.00	103.8	2.05	107.8	2.09	110.8	2.15
	50	18.3	78.6	1.32	85.2	1.51	92.8	1.78	100.8	2.00	103.8	2.05	107.8	2.09	110.8	2.15
		22.9	78.6	1.29	85.2	1.49	92.8	1.75	100.8	1.96	103.8	2.02	107.8	2.06	110.8	2.11
		45.7	78.6	1.18	85.2	1.39	92.8	1.64	100.8	1.82	103.8	1.89	107.8	1.93	110.8	1.96
		57.1	78.6	1.15	85.2	1.38	92.8	1.61	100.8	1.81	103.8	1.86	107.8	1.89	110.8	1.92
		68.6	78.6	1.14	85.2	1.38	92.8	1.59	100.8	1.80	103.8	1.84	107.8	1.87	110.8	1.90
	59	18.3	78.6	1.78	85.2	2.06	92.8	2.41	100.8	2.71	103.8	2.78	107.8	2.84	110.8	2.90
		22.9	78.6	1.75	85.2	2.03	92.8	2.37	100.8	2.67	103.8	2.73	107.8	2.80	110.8	2.85
		45.7	78.6	1.60	85.2	1.90	92.8	2.22	100.8	2.49	103.8	2.56	107.8	2.62	110.8	2.67
		57.1	78.6	1.56	85.2	1.87	92.8	2.17	100.8	2.45	103.8	2.51	107.8	2.57	110.8	2.60
		68.6	78.6	1.54	85.2	1.85	92.8	2.15	100.8	2.43	103.8	2.49	107.8	2.54	110.8	2.57
	67	18.3	78.6	2.20	85.2	2.56	92.8	2.97	100.8	3.35	103.8	3.43	107.8	3.51	110.8	3.57
		22.9	78.6	2.15	85.2	2.51	92.8	2.92	100.8	3.29	103.8	3.37	107.8	3.46	110.8	3.51
		45.7	78.6	1.98	85.2	2.35	92.8	2.73	100.8	3.08	103.8	3.15	107.8	3.24	110.8	3.29
		57.1	78.6	1.92	85.2	2.29	92.8	2.68	100.8	3.02	103.8	3.10	107.8	3.17	110.8	3.21
		68.6	78.6	1.89	85.2	2.27	92.8	2.65	100.8	2.99	103.8	3.07	107.8	3.14	110.8	3.16
	75	18.3	78.6	2.68	85.2	3.11	92.8	3.63	100.8	4.08	103.8	4.19	107.8	4.28	110.8	4.36
		22.9	78.6	2.62	85.2	3.06	92.8	3.57	100.8	4.02	103.8	4.12	107.8	4.22	110.8	4.29
		45.7	78.6	2.42	85.2	2.87	92.8	3.34	100.8	3.75	103.8	3.84	107.8	3.94	110.8	4.02
		57.1	78.6	2.35	85.2	2.80	92.8	3.27	100.8	3.68	103.8	3.78	107.8	3.87	110.8	3.91
		68.6	78.6	2.32	85.2	2.77	92.8	3.24	100.8	3.64	103.8	3.74	107.8	3.84	110.8	3.85
	86	18.3	78.6	3.29	85.2	3.83	92.8	4.46	100.8	5.02	103.8	5.14	107.8	5.26	110.8	5.37
		22.9	78.6	3.23	85.2	3.77	92.8	4.39	100.8	4.94	103.8	5.06	107.8	5.18	110.8	5.28
		45.7	78.6	2.97	85.2	3.52	92.8	4.11	100.8	4.62	103.8	4.73	107.8	4.85	110.8	4.94
		57.1	78.6	2.89	85.2	3.45	92.8	4.02	100.8	4.53	103.8	4.64	107.8	4.76	110.8	4.81
		68.6	78.6	2.84	85.2	3.41	92.8	3.97	100.8	4.49	103.8	4.60	107.8	4.72	110.8	4.74
	95	18.3	78.6	3.66	85.2	4.25	92.8	4.95	100.8	5.58	103.8	5.71	107.8	5.86	110.8	5.96
		22.9	78.6	3.59	85.2	4.18	92.8	4.87	100.8	5.49	103.8	5.62	107.8	5.76	110.8	5.86
		45.7	78.6	3.30	85.2	3.91	92.8	4.56	100.8	5.14	103.8	5.26	107.8	5.39	110.8	5.49
		57.1	78.6	3.21	85.2	3.83	92.8	4.47	100.8	5.03	103.8	5.16	107.8	5.29	110.8	5.35
		68.6	78.6	3.16	85.2	3.79	92.8	4.42	100.8	4.97	103.8	5.11	107.8	5.24	110.8	5.27
	104	18.3	78.6	4.33	85.2	5.04	92.8	5.87	100.8	6.60	103.8	6.76	107.8	6.93	110.8	7.06
		22.9	78.6	4.25	85.2	4.96	92.8	5.77	100.8	6.50	103.8	6.65	107.8	6.82	110.8	6.95
		45.7	78.6	3.91	85.2	4.63	92.8	5.40	100.8	6.08	103.8	6.22	107.8	6.38	110.8	6.50
		57.1	78.6	3.80	85.2	4.53	92.8	5.29	100.8	5.96	103.8	6.10	107.8	6.27	110.8	6.32
		68.6	78.6	3.74	85.2	4.48	92.8	5.24	100.8	5.90	103.8	6.04	107.8	6.21	110.8	6.24
	113	18.3	78.6	5.01	85.2	5.84	92.8	6.78	100.8	7.63	103.8	7.81	107.8	8.00	110.8	8.17
		22.9	78.6	4.91	85.2	5.74	92.8	6.67	100.8	7.51	103.8	7.68	107.8	7.87	110.8	8.04
		45.7	78.6	4.51	85.2	5.36	92.8	6.25	100.8	7.03	103.8	7.19	107.8	7.37	110.8	7.51
		57.1	78.6	4.39	85.2	5.24	92.8	6.11	100.8	6.89	103.8	7.05	107.8	7.25	110.8	7.30
		68.6	78.6	4.33	85.2	5.18	92.8	6.05	100.8	6.83	103.8	6.98	107.8	7.18	110.8	7.20
50	23	12.1	65.6	0.99	70.9	1.12	77.2	1.32	84.0	1.47	86.6	1.53	89.8	1.55	92.4	1.60
	32	13.5	65.6	0.99	70.9	1.12	77.2	1.32	84.0	1.47	86.6	1.53	89.8	1.55	92.4	1.60
	41	15.6	65.6	0.99	70.9	1.12	77.2	1.32	84.0	1.47	86.6	1.53	89.8	1.55	92.4	1.60
	50	18.3	65.6	0.99	70.9	1.12	77.2	1.32	84.0	1.47	86.6	1.53	89.8	1.55	92.4	1.60
		22.9	65.6	0.97	70.9	1.11	77.2	1.30	84.0	1.46	86.6	1.51	89.8	1.53	92.4	1.57
		45.7	65.6	0.89	70.9	1.05	77.2	1.23	84.0	1.38	86.6	1.42	89.8	1.44	92.4	1.46
		57.1	65.6	0.85	70.9	1.04	77.2	1.20	84.0	1.34	86.6	1.37	89.8	1.41	92.4	1.44
		68.6	65.6	0.84	70.9	1.03	77.2	1.19	84.0	1.32	86.6	1.35	89.8	1.40	92.4	1.43
	59	18.3	65.6	1.33	70.9	1.54	77.2	1.80	84.0	2.02	86.6	2.08	89.8	2.12	92.4	2.17
		22.9	65.6	1.31	70.9	1.51	77.2	1.77	84.0	1.99	86.6	2.04	89.8	2.09	92.4	2.13
		45.7	65.6	1.20	70.9	1.42	77.2	1.66	84.0	1.87	86.6	1.91	89.8	1.95	92.4	1.99
		57.1	65.6	1.16	70.9	1.39	77.2	1.62	84.0	1.82	86.6	1.87	89.8	1.92	92.4	1.94
		68.6	65.6	1.15	70.9	1.38	77.2	1.61	84.0	1.80	86.6	1.84	89.8	1.90	92.4	1.92

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN168DAS4 ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	67	18.3	65.6	1.64	70.9	1.91	77.2	2.22	84.0	2.50	86.6	2.56	89.8	2.62	92.4	2.67
		22.9	65.6	1.60	70.9	1.88	77.2	2.18	84.0	2.46	86.6	2.51	89.8	2.58	92.4	2.62
		45.7	65.6	1.47	70.9	1.75	77.2	2.04	84.0	2.29	86.6	2.35	89.8	2.42	92.4	2.46
		57.1	65.6	1.44	70.9	1.71	77.2	2.00	84.0	2.25	86.6	2.31	89.8	2.37	92.4	2.39
		68.6	65.6	1.42	70.9	1.70	77.2	1.98	84.0	2.23	86.6	2.28	89.8	2.35	92.4	2.36
	75	18.3	65.6	1.99	70.9	2.32	77.2	2.70	84.0	3.05	86.6	3.11	89.8	3.19	92.4	3.24
		22.9	65.6	1.95	70.9	2.28	77.2	2.66	84.0	3.00	86.6	3.06	89.8	3.14	92.4	3.19
		45.7	65.6	1.80	70.9	2.13	77.2	2.49	84.0	2.80	86.6	2.87	89.8	2.94	92.4	3.00
		57.1	65.6	1.75	70.9	2.09	77.2	2.44	84.0	2.74	86.6	2.81	89.8	2.89	92.4	2.92
		68.6	65.6	1.72	70.9	2.06	77.2	2.41	84.0	2.72	86.6	2.78	89.8	2.86	92.4	2.88
	86	18.3	65.6	2.45	70.9	2.86	77.2	3.32	84.0	3.75	86.6	3.84	89.8	3.93	92.4	3.99
		22.9	65.6	2.40	70.9	2.81	77.2	3.27	84.0	3.69	86.6	3.78	89.8	3.86	92.4	3.93
		45.7	65.6	2.22	70.9	2.62	77.2	3.06	84.0	3.45	86.6	3.52	89.8	3.62	92.4	3.68
		57.1	65.6	2.15	70.9	2.57	77.2	3.00	84.0	3.38	86.6	3.46	89.8	3.55	92.4	3.59
		68.6	65.6	2.12	70.9	2.54	77.2	2.96	84.0	3.35	86.6	3.43	89.8	3.51	92.4	3.55
	95	18.3	65.6	2.73	70.9	3.17	77.2	3.69	84.0	4.16	86.6	4.26	89.8	4.36	92.4	4.44
		22.9	65.6	2.68	70.9	3.12	77.2	3.63	84.0	4.09	86.6	4.19	89.8	4.29	92.4	4.37
		45.7	65.6	2.46	70.9	2.92	77.2	3.40	84.0	3.83	86.6	3.92	89.8	4.02	92.4	4.09
		57.1	65.6	2.39	70.9	2.85	77.2	3.33	84.0	3.75	86.6	3.84	89.8	3.94	92.4	3.98
		68.6	65.6	2.36	70.9	2.82	77.2	3.29	84.0	3.72	86.6	3.80	89.8	3.90	92.4	3.93
	104	18.3	65.6	3.24	70.9	3.76	77.2	4.37	84.0	4.93	86.6	5.04	89.8	5.16	92.4	5.27
		22.9	65.6	3.17	70.9	3.70	77.2	4.30	84.0	4.85	86.6	4.96	89.8	5.08	92.4	5.18
		45.7	65.6	2.91	70.9	3.46	77.2	4.03	84.0	4.53	86.6	4.64	89.8	4.76	92.4	4.84
		57.1	65.6	2.83	70.9	3.38	77.2	3.94	84.0	4.45	86.6	4.56	89.8	4.67	92.4	4.72
		68.6	65.6	2.79	70.9	3.34	77.2	3.90	84.0	4.40	86.6	4.51	89.8	4.62	92.4	4.66
	113	18.3	65.6	3.74	70.9	4.35	77.2	5.05	84.0	5.70	86.6	5.82	89.8	5.96	92.4	6.10
		22.9	65.6	3.67	70.9	4.28	77.2	4.97	84.0	5.61	86.6	5.73	89.8	5.87	92.4	5.99
		45.7	65.6	3.36	70.9	4.00	77.2	4.65	84.0	5.24	86.6	5.37	89.8	5.51	92.4	5.59
		57.1	65.6	3.27	70.9	3.91	77.2	4.56	84.0	5.14	86.6	5.27	89.8	5.39	92.4	5.46
		68.6	65.6	3.23	70.9	3.86	77.2	4.51	84.0	5.09	86.6	5.22	89.8	5.33	92.4	5.39

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	13.4	178.5	3.79	193.3	4.41	210.4	5.15	228.7	5.79	235.6	5.93	244.7	6.08	251.7	6.19
	32	15.0	178.5	3.79	193.3	4.41	210.4	5.15	228.7	5.79	235.6	5.93	244.7	6.08	251.7	6.19
	41	17.3	178.5	3.79	193.3	4.41	210.4	5.15	228.7	5.79	235.6	5.93	244.7	6.08	251.7	6.19
	50	20.3	178.5	3.79	193.3	4.41	210.4	5.15	228.7	5.79	235.6	5.93	244.7	6.08	251.7	6.19
		25.4	178.5	3.72	193.3	4.34	210.4	5.07	228.7	5.70	235.6	5.84	244.7	5.99	251.7	6.10
		50.7	178.5	3.44	193.3	4.07	210.4	4.74	228.7	5.33	235.6	5.47	244.7	5.61	251.7	5.71
		63.4	178.5	3.33	193.3	3.97	210.4	4.64	228.7	5.22	235.6	5.35	244.7	5.49	251.7	5.59
		76.1	178.5	3.27	193.3	3.92	210.4	4.59	228.7	5.16	235.6	5.30	244.7	5.43	251.7	5.53
	59	20.3	175.6	4.98	190.1	5.80	207.1	6.76	225.1	7.61	231.9	7.79	240.8	7.98	247.6	8.12
		25.4	175.6	4.89	190.1	5.71	207.1	6.65	225.1	7.49	231.9	7.66	240.8	7.86	247.6	8.00
		50.7	175.6	4.50	190.1	5.34	207.1	6.22	225.1	7.00	231.9	7.18	240.8	7.37	247.6	7.51
		63.4	175.6	4.38	190.1	5.22	207.1	6.09	225.1	6.86	231.9	7.04	240.8	7.22	247.6	7.34
		76.1	175.6	4.31	190.1	5.16	207.1	6.03	225.1	6.79	231.9	6.97	240.8	7.14	247.6	7.26
	67	20.3	173.1	6.04	187.3	7.04	204.1	8.19	221.9	9.22	228.5	9.44	237.3	9.67	244.0	9.83
		25.4	173.1	5.92	187.3	6.92	204.1	8.06	221.9	9.07	228.5	9.29	237.3	9.52	244.0	9.69
		50.7	173.1	5.45	187.3	6.46	204.1	7.54	221.9	8.48	228.5	8.70	237.3	8.93	244.0	9.11
		63.4	173.1	5.31	187.3	6.33	204.1	7.38	221.9	8.32	228.5	8.53	237.3	8.75	244.0	8.91
		76.1	173.1	5.24	187.3	6.27	204.1	7.31	221.9	8.23	228.5	8.45	237.3	8.66	244.0	8.80
	75	20.3	173.1	7.47	187.3	8.68	204.1	10.11	221.9	11.38	228.5	11.64	237.3	11.93	244.0	12.13
		25.4	173.1	7.32	187.3	8.53	204.1	9.94	221.9	11.20	228.5	11.45	237.3	11.75	244.0	11.95
		50.7	173.1	6.73	187.3	7.97	204.1	9.29	221.9	10.47	228.5	10.72	237.3	11.00	244.0	11.23
		63.4	173.1	6.54	187.3	7.81	204.1	9.10	221.9	10.26	228.5	10.53	237.3	10.80	244.0	10.98
		76.1	173.1	6.44	187.3	7.72	204.1	9.00	221.9	10.16	228.5	10.44	237.3	10.70	244.0	10.85
	86	20.3	173.1	8.96	187.3	10.40	204.1	12.12	221.9	13.66	228.5	13.98	237.3	14.31	244.0	14.56
		25.4	173.1	8.78	187.3	10.24	204.1	11.93	221.9	13.44	228.5	13.76	237.3	14.09	244.0	14.34
		50.7	173.1	8.07	187.3	9.57	204.1	11.14	221.9	12.55	228.5	12.87	237.3	13.20	244.0	13.47
		63.4	173.1	7.84	187.3	9.37	204.1	10.93	221.9	12.31	228.5	12.63	237.3	12.95	244.0	13.17
		76.1	173.1	7.73	187.3	9.26	204.1	10.82	221.9	12.19	228.5	12.51	237.3	12.82	244.0	13.01
	95	20.3	155.7	9.06	168.7	10.52	183.6	12.27	199.6	13.80	205.6	14.13	213.6	14.46	219.6	14.72
		25.4	155.7	8.88	168.7	10.35	183.6	12.07	199.6	13.58	205.6	13.91	213.6	14.24	219.6	14.50
		50.7	155.7	8.16	168.7	9.69	183.6	11.27	199.6	12.69	205.6	13.01	213.6	13.36	219.6	13.63
		63.4	155.7	7.93	168.7	9.47	183.6	11.04	199.6	12.45	205.6	12.77	213.6	13.10	219.6	13.32
		76.1	155.7	7.82	168.7	9.36	183.6	10.93	199.6	12.33	205.6	12.65	213.6	12.98	219.6	13.17
	104	20.3	138.4	9.56	149.9	11.09	163.2	12.93	177.5	14.57	182.8	14.90	189.9	15.26	195.2	15.54
		25.4	138.4	9.37	149.9	10.91	163.2	12.72	177.5	14.33	182.8	14.66	189.9	15.02	195.2	15.30
		50.7	138.4	8.61	149.9	10.21	163.2	11.90	177.5	13.40	182.8	13.73	189.9	14.09	195.2	14.37
		63.4	138.4	8.37	149.9	9.99	163.2	11.64	177.5	13.13	182.8	13.47	189.9	13.82	195.2	14.05
		76.1	138.4	8.25	149.9	9.89	163.2	11.52	177.5	12.99	182.8	13.35	189.9	13.69	195.2	13.89
	113	20.3	121.1	10.05	131.1	11.66	142.8	13.58	155.3	15.33	160.0	15.66	166.1	16.05	170.8	16.36
		25.4	121.1	9.85	131.1	11.48	142.8	13.37	155.3	15.09	160.0	15.42	166.1	15.80	170.8	16.11
		50.7	121.1	9.06	131.1	10.74	142.8	12.53	155.3	14.10	160.0	14.45	166.1	14.82	170.8	15.11
		63.4	121.1	8.80	131.1	10.52	142.8	12.25	155.3	13.81	160.0	14.18	166.1	14.54	170.8	14.78
		76.1	121.1	8.68	131.1	10.41	142.8	12.11	155.3	13.66	160.0	14.04	166.1	14.40	170.8	14.61
120	23	13.4	168.9	3.61	182.9	4.19	199.2	4.86	216.4	5.50	223.1	5.62	231.8	5.76	238.2	5.87
	32	15.0	168.9	3.61	182.9	4.19	199.2	4.86	216.4	5.50	223.1	5.62	231.8	5.76	238.2	5.87
	41	17.3	168.9	3.61	182.9	4.19	199.2	4.86	216.4	5.50	223.1	5.62	231.8	5.76	238.2	5.87
	50	20.3	168.9	3.61	182.9	4.19	199.2	4.86	216.4	5.50	223.1	5.62	231.8	5.76	238.2	5.87
		25.4	168.9	3.53	182.9	4.12	199.2	4.79	216.4	5.41	223.1	5.53	231.8	5.67	238.2	5.78
		50.7	168.9	3.23	182.9	3.85	199.2	4.50	216.4	5.04	223.1	5.17	231.8	5.31	238.2	5.42
		63.4	168.9	3.15	182.9	3.75	199.2	4.38	216.4	4.95	223.1	5.07	231.8	5.23	238.2	5.30
		76.1	168.9	3.10	182.9	3.70	199.2	4.33	216.4	4.91	223.1	5.03	231.8	5.18	238.2	5.24
	59	20.3	166.9	4.78	180.8	5.55	196.9	6.46	214.0	7.29	220.5	7.45	229.1	7.63	235.5	7.77
		25.4	166.9	4.68	180.8	5.46	196.9	6.36	214.0	7.17	220.5	7.33	229.1	7.51	235.5	7.65
		50.7	166.9	4.30	180.8	5.11	196.9	5.95	214.0	6.69	220.5	6.86	229.1	7.04	235.5	7.18
		63.4	166.9	4.18	180.8	4.99	196.9	5.82	214.0	6.56	220.5	6.73	229.1	6.91	235.5	7.01
		76.1	166.9	4.13	180.8	4.93	196.9	5.76	214.0	6.50	220.5	6.67	229.1	6.85	235.5	6.93
	67	20.3	165.2	5.82	178.9	6.76	194.9	7.88	211.9	8.87	218.3	9.08	226.7	9.29	233.1	9.46
		25.4	165.2	5.71	178.9	6.65	194.9	7.75	211.9	8.73	218.3	8.93	226.7	9.15	233.1	9.32
		50.7	165.2	5.25	178.9	6.22	194.9	7.24	211.9	8.16	218.3	8.36	226.7	8.57	233.1	8.74
		63.4	165.2	5.11	178.9	6.09	194.9	7.10	211.9	8.00	218.3	8.20	226.7	8.41	233.1	8.53
		76.1	165.2	5.04	178.9	6.03	194.9	7.03	211.9	7.91	218.3	8.13	226.7	8.32	233.1	8.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	20.3	165.2	7.15	178.9	8.31	194.9	9.67	211.9	10.90	218.3	11.16	226.7	11.42	233.1	11.63
		25.4	165.2	7.01	178.9	8.18	194.9	9.52	211.9	10.72	218.3	10.98	226.7	11.25	233.1	11.45
		50.7	165.2	6.45	178.9	7.64	194.9	8.91	211.9	10.03	218.3	10.27	226.7	10.54	233.1	10.75
		63.4	165.2	6.27	178.9	7.49	194.9	8.73	211.9	9.83	218.3	10.08	226.7	10.34	233.1	10.49
		76.1	165.2	6.18	178.9	7.41	194.9	8.64	211.9	9.73	218.3	9.99	226.7	10.24	233.1	10.36
	86	20.3	165.2	8.64	178.9	10.06	194.9	11.71	211.9	13.17	218.3	13.50	226.7	13.82	233.1	14.06
		25.4	165.2	8.47	178.9	9.89	194.9	11.52	211.9	12.96	218.3	13.28	226.7	13.60	233.1	13.84
		50.7	165.2	7.79	178.9	9.24	194.9	10.76	211.9	12.13	218.3	12.42	226.7	12.74	233.1	13.00
		63.4	165.2	7.57	178.9	9.05	194.9	10.54	211.9	11.89	218.3	12.19	226.7	12.50	233.1	12.69
		76.1	165.2	7.47	178.9	8.95	194.9	10.44	211.9	11.77	218.3	12.08	226.7	12.38	233.1	12.54
	95	20.3	151.2	8.87	163.7	10.30	178.4	11.99	193.9	13.51	199.7	13.84	207.5	14.17	213.3	14.41
		25.4	151.2	8.69	163.7	10.13	178.4	11.80	193.9	13.29	199.7	13.61	207.5	13.95	213.3	14.19
		50.7	151.2	7.98	163.7	9.47	178.4	11.03	193.9	12.42	199.7	12.73	207.5	13.06	213.3	13.32
		63.4	151.2	7.77	163.7	9.28	178.4	10.81	193.9	12.18	199.7	12.50	207.5	12.81	213.3	13.00
		76.1	151.2	7.66	163.7	9.18	178.4	10.70	193.9	12.06	199.7	12.39	207.5	12.68	213.3	12.84
	104	20.3	137.2	9.54	148.5	11.08	161.9	12.92	175.9	14.54	181.2	14.89	188.3	15.25	193.5	15.52
		25.4	137.2	9.35	148.5	10.90	161.9	12.71	175.9	14.31	181.2	14.65	188.3	15.01	193.5	15.28
		50.7	137.2	8.60	148.5	10.20	161.9	11.87	175.9	13.37	181.2	13.70	188.3	14.06	193.5	14.33
		63.4	137.2	8.36	148.5	9.98	161.9	11.63	175.9	13.12	181.2	13.45	188.3	13.79	193.5	14.00
		76.1	137.2	8.23	148.5	9.87	161.9	11.51	175.9	12.99	181.2	13.32	188.3	13.66	193.5	13.83
	113	20.3	123.2	10.22	133.3	11.86	145.3	13.84	157.9	15.57	162.7	15.94	169.1	16.33	173.6	16.62
		25.4	123.2	10.02	133.3	11.67	145.3	13.61	157.9	15.32	162.7	15.69	169.1	16.07	173.6	16.37
		50.7	123.2	9.21	133.3	10.93	145.3	12.72	157.9	14.32	162.7	14.68	169.1	15.06	173.6	15.34
		63.4	123.2	8.94	133.3	10.68	145.3	12.45	157.9	14.05	162.7	14.39	169.1	14.78	173.6	15.00
		76.1	123.2	8.81	133.3	10.56	145.3	12.32	157.9	13.92	162.7	14.25	169.1	14.64	173.6	14.82
110	23	13.4	159.5	3.40	172.5	3.95	188.0	4.60	204.3	5.18	210.3	5.31	218.4	5.42	224.7	5.55
	32	15.0	159.5	3.40	172.5	3.95	188.0	4.60	204.3	5.18	210.3	5.31	218.4	5.42	224.7	5.55
	41	17.3	159.5	3.40	172.5	3.95	188.0	4.60	204.3	5.18	210.3	5.31	218.4	5.42	224.7	5.55
	50	20.3	159.5	3.40	172.5	3.95	188.0	4.60	204.3	5.18	210.3	5.31	218.4	5.42	224.7	5.55
		25.4	159.5	3.33	172.5	3.88	188.0	4.52	204.3	5.09	210.3	5.23	218.4	5.34	224.7	5.46
		50.7	159.5	3.06	172.5	3.64	188.0	4.24	204.3	4.76	210.3	4.90	218.4	5.02	224.7	5.12
		63.4	159.5	2.97	172.5	3.56	188.0	4.14	204.3	4.69	210.3	4.80	218.4	4.92	224.7	4.97
		76.1	159.5	2.93	172.5	3.53	188.0	4.09	204.3	4.65	210.3	4.75	218.4	4.87	224.7	4.89
	59	20.3	158.4	4.56	171.5	5.29	186.8	6.16	203.1	6.95	209.1	7.11	217.2	7.28	223.3	7.42
		25.4	158.4	4.47	171.5	5.21	186.8	6.07	203.1	6.83	209.1	7.00	217.2	7.17	223.3	7.31
		50.7	158.4	4.11	171.5	4.88	186.8	5.68	203.1	6.38	209.1	6.55	217.2	6.72	223.3	6.85
		63.4	158.4	3.99	171.5	4.77	186.8	5.55	203.1	6.27	209.1	6.42	217.2	6.59	223.3	6.67
		76.1	158.4	3.93	171.5	4.72	186.8	5.49	203.1	6.21	209.1	6.36	217.2	6.53	223.3	6.58
	67	20.3	157.5	5.59	170.5	6.49	185.7	7.55	202.0	8.52	208.0	8.71	216.1	8.93	222.1	9.09
		25.4	157.5	5.48	170.5	6.38	185.7	7.43	202.0	8.38	208.0	8.57	216.1	8.79	222.1	8.94
		50.7	157.5	5.04	170.5	5.98	185.7	6.96	202.0	7.83	208.0	8.02	216.1	8.23	222.1	8.38
		63.4	157.5	4.90	170.5	5.85	185.7	6.81	202.0	7.68	208.0	7.87	216.1	8.07	222.1	8.18
		76.1	157.5	4.83	170.5	5.78	185.7	6.73	202.0	7.60	208.0	7.79	216.1	8.00	222.1	8.07
	75	20.3	157.5	6.84	170.5	7.95	185.7	9.26	202.0	10.43	208.0	10.68	216.1	10.93	222.1	11.13
		25.4	157.5	6.70	170.5	7.82	185.7	9.11	202.0	10.26	208.0	10.51	216.1	10.76	222.1	10.95
		50.7	157.5	6.17	170.5	7.31	185.7	8.52	202.0	9.60	208.0	9.83	216.1	10.08	222.1	10.26
		63.4	157.5	6.00	170.5	7.15	185.7	8.34	202.0	9.40	208.0	9.63	216.1	9.89	222.1	10.01
		76.1	157.5	5.92	170.5	7.08	185.7	8.25	202.0	9.31	208.0	9.54	216.1	9.80	222.1	9.88
	86	20.3	157.5	8.34	170.5	9.69	185.7	11.29	202.0	12.70	208.0	13.02	216.1	13.33	222.1	13.57
		25.4	157.5	8.18	170.5	9.53	185.7	11.11	202.0	12.50	208.0	12.81	216.1	13.12	222.1	13.36
		50.7	157.5	7.51	170.5	8.92	185.7	10.38	202.0	11.70	208.0	11.98	216.1	12.28	222.1	12.51
		63.4	157.5	7.31	170.5	8.73	185.7	10.17	202.0	11.46	208.0	11.75	216.1	12.05	222.1	12.21
		76.1	157.5	7.20	170.5	8.63	185.7	10.07	202.0	11.35	208.0	11.63	216.1	11.94	222.1	12.05
	95	20.3	146.8	8.67	158.9	10.08	173.1	11.73	188.1	13.21	193.7	13.52	201.3	13.86	206.9	14.10
		25.4	146.8	8.50	158.9	9.92	173.1	11.54	188.1	13.00	193.7	13.31	201.3	13.64	206.9	13.88
		50.7	146.8	7.82	158.9	9.26	173.1	10.80	188.1	12.16	193.7	12.45	201.3	12.77	206.9	13.01
		63.4	146.8	7.60	158.9	9.07	173.1	10.57	188.1	11.91	193.7	12.22	201.3	12.53	206.9	12.69
		76.1	146.8	7.49	158.9	8.98	173.1	10.45	188.1	11.79	193.7	12.11	201.3	12.41	206.9	12.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	20.3	136.0	9.53	147.3	11.07	160.4	12.89	174.4	14.51	179.6	14.86	186.5	15.22	191.7	15.49
		25.4	136.0	9.34	147.3	10.89	160.4	12.68	174.4	14.28	179.6	14.63	186.5	14.98	191.7	15.25
		50.7	136.0	8.59	147.3	10.19	160.4	11.86	174.4	13.36	179.6	13.68	186.5	14.04	191.7	14.29
		63.4	136.0	8.34	147.3	9.97	160.4	11.62	174.4	13.09	179.6	13.42	186.5	13.77	191.7	13.93
		76.1	136.0	8.22	147.3	9.86	160.4	11.50	174.4	12.96	179.6	13.30	186.5	13.63	191.7	13.76
	113	20.3	125.2	10.40	135.7	12.05	147.7	14.05	160.7	15.81	165.5	16.20	171.7	16.59	176.5	16.89
		25.4	125.2	10.19	135.7	11.86	147.7	13.82	160.7	15.56	165.5	15.94	171.7	16.33	176.5	16.62
		50.7	125.2	9.35	135.7	11.11	147.7	12.92	160.7	14.56	165.5	14.91	171.7	15.30	176.5	15.57
		63.4	125.2	9.08	135.7	10.86	147.7	12.67	160.7	14.27	165.5	14.63	171.7	15.01	176.5	15.18
		76.1	125.2	8.95	135.7	10.74	147.7	12.54	160.7	14.12	165.5	14.49	171.7	14.86	176.5	14.98
100	23	13.4	149.7	3.22	162.1	3.73	176.7	4.35	192.0	4.90	197.7	5.01	205.5	5.14	211.2	5.20
	32	15.0	149.7	3.22	162.1	3.73	176.7	4.35	192.0	4.90	197.7	5.01	205.5	5.14	211.2	5.20
	41	17.3	149.7	3.22	162.1	3.73	176.7	4.35	192.0	4.90	197.7	5.01	205.5	5.14	211.2	5.20
	50	20.3	149.7	3.22	162.1	3.73	176.7	4.35	192.0	4.90	197.7	5.01	205.5	5.14	211.2	5.20
		25.4	149.7	3.15	162.1	3.67	176.7	4.27	192.0	4.81	197.7	4.92	205.5	5.05	211.2	5.12
		50.7	149.7	2.89	162.1	3.44	176.7	3.97	192.0	4.49	197.7	4.59	205.5	4.70	211.2	4.79
		63.4	149.7	2.79	162.1	3.35	176.7	3.92	192.0	4.39	197.7	4.52	205.5	4.61	211.2	4.66
		76.1	149.7	2.74	162.1	3.30	176.7	3.89	192.0	4.34	197.7	4.48	205.5	4.57	211.2	4.60
	59	20.3	149.7	4.35	162.1	5.05	176.7	5.88	192.0	6.62	197.7	6.78	205.5	6.95	211.2	7.06
		25.4	149.7	4.26	162.1	4.96	176.7	5.78	192.0	6.51	197.7	6.67	205.5	6.83	211.2	6.95
		50.7	149.7	3.92	162.1	4.64	176.7	5.40	192.0	6.09	197.7	6.23	205.5	6.38	211.2	6.50
		63.4	149.7	3.80	162.1	4.54	176.7	5.30	192.0	5.96	197.7	6.12	205.5	6.27	211.2	6.33
		76.1	149.7	3.74	162.1	4.49	176.7	5.25	192.0	5.90	197.7	6.06	205.5	6.21	211.2	6.25
	67	20.3	149.7	5.35	162.1	6.22	176.7	7.24	192.0	8.15	197.7	8.35	205.5	8.56	211.2	8.71
		25.4	149.7	5.25	162.1	6.12	176.7	7.13	192.0	8.02	197.7	8.21	205.5	8.42	211.2	8.57
		50.7	149.7	4.82	162.1	5.72	176.7	6.67	192.0	7.51	197.7	7.69	205.5	7.88	211.2	8.02
		63.4	149.7	4.70	162.1	5.60	176.7	6.53	192.0	7.36	197.7	7.54	205.5	7.74	211.2	7.82
		76.1	149.7	4.63	162.1	5.55	176.7	6.46	192.0	7.28	197.7	7.46	205.5	7.67	211.2	7.72
	75	20.3	149.7	6.53	162.1	7.58	176.7	8.85	192.0	9.95	197.7	10.18	205.5	10.44	211.2	10.62
		25.4	149.7	6.40	162.1	7.46	176.7	8.70	192.0	9.79	197.7	10.02	205.5	10.27	211.2	10.45
		50.7	149.7	5.89	162.1	6.97	176.7	8.13	192.0	9.15	197.7	9.38	205.5	9.61	211.2	9.79
		63.4	149.7	5.72	162.1	6.83	176.7	7.96	192.0	8.97	197.7	9.20	205.5	9.43	211.2	9.53
		76.1	149.7	5.64	162.1	6.76	176.7	7.88	192.0	8.88	197.7	9.11	205.5	9.34	211.2	9.41
	86	20.3	149.7	8.03	162.1	9.34	176.7	10.87	192.0	12.24	197.7	12.54	205.5	12.83	211.2	13.07
		25.4	149.7	7.87	162.1	9.19	176.7	10.70	192.0	12.04	197.7	12.33	205.5	12.63	211.2	12.86
		50.7	149.7	7.24	162.1	8.59	176.7	9.99	192.0	11.26	197.7	11.53	205.5	11.82	211.2	12.04
		63.4	149.7	7.04	162.1	8.41	176.7	9.79	192.0	11.04	197.7	11.31	205.5	11.61	211.2	11.72
		76.1	149.7	6.94	162.1	8.32	176.7	9.69	192.0	10.93	197.7	11.20	205.5	11.50	211.2	11.56
	95	20.3	142.3	8.47	154.1	9.84	167.9	11.47	182.4	12.91	187.9	13.23	195.2	13.55	200.7	13.80
		25.4	142.3	8.30	154.1	9.69	167.9	11.29	182.4	12.71	187.9	13.01	195.2	13.33	200.7	13.58
		50.7	142.3	7.64	154.1	9.06	167.9	10.56	182.4	11.89	187.9	12.17	195.2	12.48	200.7	12.71
		63.4	142.3	7.43	154.1	8.87	167.9	10.34	182.4	11.66	187.9	11.94	195.2	12.25	200.7	12.37
		76.1	142.3	7.33	154.1	8.77	167.9	10.23	182.4	11.54	187.9	11.82	195.2	12.13	200.7	12.21
	104	20.3	134.8	9.50	146.0	11.06	158.9	12.88	172.8	14.50	178.0	14.84	184.9	15.20	190.1	15.47
		25.4	134.8	9.32	146.0	10.88	158.9	12.67	172.8	14.27	178.0	14.60	184.9	14.96	190.1	15.23
		50.7	134.8	8.57	146.0	10.16	158.9	11.84	172.8	13.33	178.0	13.65	184.9	14.00	190.1	14.25
		63.4	134.8	8.33	146.0	9.94	158.9	11.59	172.8	13.08	178.0	13.40	184.9	13.74	190.1	13.88
		76.1	134.8	8.21	146.0	9.83	158.9	11.47	172.8	12.95	178.0	13.27	184.9	13.61	190.1	13.70
	113	20.3	127.3	10.53	137.9	12.27	150.0	14.29	163.2	16.09	168.1	16.45	174.7	16.85	179.6	17.15
		25.4	127.3	10.33	137.9	12.07	150.0	14.05	163.2	15.83	168.1	16.19	174.7	16.58	179.6	16.88
		50.7	127.3	9.51	137.9	11.26	150.0	13.12	163.2	14.78	168.1	15.14	174.7	15.52	179.6	15.80
		63.4	127.3	9.23	137.9	11.02	150.0	12.85	163.2	14.50	168.1	14.86	174.7	15.24	179.6	15.39
		76.1	127.3	9.09	137.9	10.90	150.0	12.71	163.2	14.36	168.1	14.72	174.7	15.10	179.6	15.19
90	23	13.4	134.8	2.75	146.0	3.20	158.9	3.72	172.8	4.21	178.0	4.29	184.9	4.38	190.1	4.49
	32	15.0	134.8	2.75	146.0	3.20	158.9	3.72	172.8	4.21	178.0	4.29	184.9	4.38	190.1	4.49
	41	17.3	134.8	2.75	146.0	3.20	158.9	3.72	172.8	4.21	178.0	4.29	184.9	4.38	190.1	4.49
	50	20.3	134.8	2.75	146.0	3.20	158.9	3.72	172.8	4.21	178.0	4.29	184.9	4.38	190.1	4.49
		25.4	134.8	2.70	146.0	3.15	158.9	3.67	172.8	4.14	178.0	4.22	184.9	4.32	190.1	4.42
		50.7	134.8	2.47	146.0	2.94	158.9	3.45	172.8	3.85	178.0	3.95	184.9	4.06	190.1	4.14
		63.4	134.8	2.41	146.0	2.87	158.9	3.36	172.8	3.78	178.0	3.88	184.9	3.99	190.1	4.01
		76.1	134.8	2.38	146.0	2.83	158.9	3.32	172.8	3.74	178.0	3.84	184.9	3.95	190.1	3.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	20.3	134.8	3.73	146.0	4.34	158.9	5.06	172.8	5.70	178.0	5.83	184.9	5.97	190.1	6.09
		25.4	134.8	3.66	146.0	4.27	158.9	4.98	172.8	5.60	178.0	5.73	184.9	5.87	190.1	5.99
		50.7	134.8	3.37	146.0	3.99	158.9	4.66	172.8	5.23	178.0	5.36	184.9	5.50	190.1	5.60
		63.4	134.8	3.28	146.0	3.90	158.9	4.56	172.8	5.13	178.0	5.26	184.9	5.40	190.1	5.45
		76.1	134.8	3.23	146.0	3.86	158.9	4.50	172.8	5.08	178.0	5.21	184.9	5.35	190.1	5.37
	67	20.3	134.8	4.61	146.0	5.36	158.9	6.25	172.8	7.02	178.0	7.19	184.9	7.37	190.1	7.50
		25.4	134.8	4.52	146.0	5.27	158.9	6.14	172.8	6.91	178.0	7.08	184.9	7.26	190.1	7.38
		50.7	134.8	4.16	146.0	4.93	158.9	5.73	172.8	6.46	178.0	6.62	184.9	6.78	190.1	6.91
		63.4	134.8	4.04	146.0	4.82	158.9	5.62	172.8	6.33	178.0	6.49	184.9	6.65	190.1	6.73
		76.1	134.8	3.99	146.0	4.77	158.9	5.56	172.8	6.27	178.0	6.42	184.9	6.59	190.1	6.64
	75	20.3	134.8	5.61	146.0	6.53	158.9	7.61	172.8	8.57	178.0	8.76	184.9	8.98	190.1	9.14
		25.4	134.8	5.50	146.0	6.42	158.9	7.49	172.8	8.43	178.0	8.62	184.9	8.84	190.1	9.00
		50.7	134.8	5.07	146.0	6.00	158.9	7.00	172.8	7.88	178.0	8.07	184.9	8.28	190.1	8.42
		63.4	134.8	4.93	146.0	5.87	158.9	6.86	172.8	7.73	178.0	7.92	184.9	8.13	190.1	8.20
		76.1	134.8	4.86	146.0	5.81	158.9	6.79	172.8	7.65	178.0	7.84	184.9	8.05	190.1	8.09
	86	20.3	134.8	6.90	146.0	8.04	158.9	9.35	172.8	10.54	178.0	10.78	184.9	11.05	190.1	11.25
		25.4	134.8	6.77	146.0	7.91	158.9	9.20	172.8	10.36	178.0	10.61	184.9	10.88	190.1	11.07
		50.7	134.8	6.23	146.0	7.38	158.9	8.61	172.8	9.69	178.0	9.93	184.9	10.17	190.1	10.36
		63.4	134.8	6.07	146.0	7.23	158.9	8.43	172.8	9.51	178.0	9.74	184.9	9.99	190.1	10.08
		76.1	134.8	5.98	146.0	7.15	158.9	8.34	172.8	9.42	178.0	9.64	184.9	9.90	190.1	9.94
	95	20.3	131.1	7.45	141.9	8.66	154.5	10.09	168.0	11.37	173.1	11.64	179.7	11.92	184.8	12.13
		25.4	131.1	7.31	141.9	8.52	154.5	9.93	168.0	11.18	173.1	11.45	179.7	11.73	184.8	11.94
		50.7	131.1	6.72	141.9	7.97	154.5	9.29	168.0	10.45	173.1	10.71	179.7	10.98	184.8	11.18
		63.4	131.1	6.54	141.9	7.81	154.5	9.10	168.0	10.25	173.1	10.51	179.7	10.77	184.8	10.89
		76.1	131.1	6.45	141.9	7.72	154.5	9.00	168.0	10.15	173.1	10.40	179.7	10.67	184.8	10.74
	104	20.3	127.3	8.56	137.9	9.95	150.1	11.60	163.2	13.06	168.1	13.37	174.7	13.69	179.5	13.94
		25.4	127.3	8.39	137.9	9.79	150.1	11.41	163.2	12.85	168.1	13.15	174.7	13.47	179.5	13.72
		50.7	127.3	7.73	137.9	9.16	150.1	10.67	163.2	12.01	168.1	12.30	174.7	12.62	179.5	12.85
		63.4	127.3	7.51	137.9	8.96	150.1	10.45	163.2	11.77	168.1	12.07	174.7	12.37	179.5	12.50
		76.1	127.3	7.40	137.9	8.85	150.1	10.35	163.2	11.65	168.1	11.95	174.7	12.25	179.5	12.33
	113	20.3	123.6	9.67	133.9	11.23	145.7	13.11	158.4	14.75	163.2	15.10	169.6	15.46	174.1	15.74
		25.4	123.6	9.48	133.9	11.06	145.7	12.90	158.4	14.51	163.2	14.86	169.6	15.21	174.1	15.50
		50.7	123.6	8.74	133.9	10.35	145.7	12.05	158.4	13.58	163.2	13.88	169.6	14.25	174.1	14.51
		63.4	123.6	8.48	133.9	10.11	145.7	11.81	158.4	13.29	163.2	13.63	169.6	13.97	174.1	14.11
		76.1	123.6	8.36	133.9	9.99	145.7	11.69	158.4	13.15	163.2	13.50	169.6	13.83	174.1	13.92
80	23	13.4	119.9	2.31	129.7	2.69	141.3	3.13	153.6	3.51	158.3	3.60	164.4	3.69	168.9	3.75
	32	15.0	119.9	2.31	129.7	2.69	141.3	3.13	153.6	3.51	158.3	3.60	164.4	3.69	168.9	3.75
	41	17.3	119.9	2.31	129.7	2.69	141.3	3.13	153.6	3.51	158.3	3.60	164.4	3.69	168.9	3.75
	50	20.3	119.9	2.31	129.7	2.69	141.3	3.13	153.6	3.51	158.3	3.60	164.4	3.69	168.9	3.75
		25.4	119.9	2.26	129.7	2.65	141.3	3.08	153.6	3.46	158.3	3.54	164.4	3.63	168.9	3.69
		50.7	119.9	2.09	129.7	2.47	141.3	2.88	153.6	3.24	158.3	3.31	164.4	3.38	168.9	3.46
		63.4	119.9	2.03	129.7	2.41	141.3	2.83	153.6	3.19	158.3	3.26	164.4	3.35	168.9	3.36
		76.1	119.9	2.00	129.7	2.38	141.3	2.81	153.6	3.17	158.3	3.24	164.4	3.33	168.9	3.31
	59	20.3	119.9	3.13	129.7	3.64	141.3	4.24	153.6	4.77	158.3	4.89	164.4	5.01	168.9	5.10
		25.4	119.9	3.07	129.7	3.58	141.3	4.17	153.6	4.70	158.3	4.81	164.4	4.93	168.9	5.02
		50.7	119.9	2.83	129.7	3.35	141.3	3.90	153.6	4.39	158.3	4.49	164.4	4.61	168.9	4.70
		63.4	119.9	2.75	129.7	3.28	141.3	3.83	153.6	4.31	158.3	4.41	164.4	4.53	168.9	4.57
		76.1	119.9	2.71	129.7	3.24	141.3	3.79	153.6	4.27	158.3	4.38	164.4	4.49	168.9	4.50
	67	20.3	119.9	3.87	129.7	4.49	141.3	5.23	153.6	5.89	158.3	6.04	164.4	6.17	168.9	6.29
		25.4	119.9	3.79	129.7	4.41	141.3	5.14	153.6	5.80	158.3	5.94	164.4	6.08	168.9	6.19
		50.7	119.9	3.48	129.7	4.13	141.3	4.81	153.6	5.41	158.3	5.54	164.4	5.69	168.9	5.80
		63.4	119.9	3.39	129.7	4.04	141.3	4.71	153.6	5.31	158.3	5.44	164.4	5.58	168.9	5.64
		76.1	119.9	3.35	129.7	4.00	141.3	4.66	153.6	5.26	158.3	5.39	164.4	5.52	168.9	5.57
	75	20.3	119.9	4.71	129.7	5.47	141.3	6.37	153.6	7.18	158.3	7.35	164.4	7.53	168.9	7.67
		25.4	119.9	4.62	129.7	5.39	141.3	6.27	153.6	7.06	158.3	7.23	164.4	7.41	168.9	7.55
		50.7	119.9	4.25	129.7	5.04	141.3	5.86	153.6	6.60	158.3	6.77	164.4	6.94	168.9	7.06
		63.4	119.9	4.13	129.7	4.93	141.3	5.75	153.6	6.47	158.3	6.64	164.4	6.81	168.9	6.87
		76.1	119.9	4.08	129.7	4.87	141.3	5.69	153.6	6.41	158.3	6.58	164.4	6.74	168.9	6.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	20.3	119.9	5.80	129.7	6.74	141.3	7.84	153.6	8.83	158.3	9.04	164.4	9.26	168.9	9.43
		25.4	119.9	5.68	129.7	6.63	141.3	7.72	153.6	8.69	158.3	8.89	164.4	9.11	168.9	9.28
		50.7	119.9	5.22	129.7	6.19	141.3	7.22	153.6	8.13	158.3	8.32	164.4	8.53	168.9	8.69
		63.4	119.9	5.08	129.7	6.07	141.3	7.06	153.6	7.97	158.3	8.16	164.4	8.37	168.9	8.46
		76.1	119.9	5.01	129.7	6.00	141.3	6.99	153.6	7.90	158.3	8.09	164.4	8.29	168.9	8.34
	95	20.3	119.9	6.43	129.7	7.48	141.3	8.71	153.6	9.82	158.3	10.06	164.4	10.30	168.9	10.48
		25.4	119.9	6.31	129.7	7.36	141.3	8.57	153.6	9.66	158.3	9.89	164.4	10.13	168.9	10.31
		50.7	119.9	5.81	129.7	6.88	141.3	8.02	153.6	9.03	158.3	9.24	164.4	9.48	168.9	9.65
		63.4	119.9	5.64	129.7	6.73	141.3	7.86	153.6	8.85	158.3	9.07	164.4	9.30	168.9	9.39
		76.1	119.9	5.56	129.7	6.65	141.3	7.77	153.6	8.77	158.3	8.99	164.4	9.21	168.9	9.26
	104	20.3	119.9	7.62	129.7	8.86	141.3	10.33	153.6	11.63	158.3	11.90	164.4	12.18	168.9	12.40
		25.4	119.9	7.47	129.7	8.71	141.3	10.16	153.6	11.44	158.3	11.71	164.4	11.99	168.9	12.21
		50.7	119.9	6.87	129.7	8.15	141.3	9.49	153.6	10.70	158.3	10.94	164.4	11.22	168.9	11.43
		63.4	119.9	6.68	129.7	7.97	141.3	9.30	153.6	10.48	158.3	10.74	164.4	11.02	168.9	11.13
		76.1	119.9	6.58	129.7	7.88	141.3	9.21	153.6	10.37	158.3	10.63	164.4	10.92	168.9	10.99
	113	20.3	119.9	8.81	129.7	10.23	141.3	11.94	153.6	13.43	158.3	13.75	164.4	14.07	168.9	14.33
		25.4	119.9	8.64	129.7	10.07	141.3	11.75	153.6	13.22	158.3	13.52	164.4	13.84	168.9	14.10
		50.7	119.9	7.93	129.7	9.42	141.3	10.97	153.6	12.36	158.3	12.64	164.4	12.96	168.9	13.20
		63.4	119.9	7.72	129.7	9.21	141.3	10.75	153.6	12.10	158.3	12.40	164.4	12.73	168.9	12.87
		76.1	119.9	7.61	129.7	9.11	141.3	10.64	153.6	11.98	158.3	12.28	164.4	12.62	168.9	12.71
70	23	13.4	104.8	1.91	113.5	2.24	123.6	2.61	134.4	2.93	138.4	2.99	143.9	3.06	147.9	3.13
	32	15.0	104.8	1.91	113.5	2.24	123.6	2.61	134.4	2.93	138.4	2.99	143.9	3.06	147.9	3.13
	41	17.3	104.8	1.91	113.5	2.24	123.6	2.61	134.4	2.93	138.4	2.99	143.9	3.06	147.9	3.13
	50	20.3	104.8	1.91	113.5	2.24	123.6	2.61	134.4	2.93	138.4	2.99	143.9	3.06	147.9	3.13
		25.4	104.8	1.87	113.5	2.20	123.6	2.56	134.4	2.88	138.4	2.94	143.9	3.01	147.9	3.08
		50.7	104.8	1.72	113.5	2.07	123.6	2.37	134.4	2.68	138.4	2.76	143.9	2.83	147.9	2.88
		63.4	104.8	1.67	113.5	2.01	123.6	2.34	134.4	2.65	138.4	2.71	143.9	2.77	147.9	2.81
		76.1	104.8	1.65	113.5	1.97	123.6	2.32	134.4	2.63	138.4	2.68	143.9	2.74	147.9	2.77
	59	20.3	104.8	2.60	113.5	3.03	123.6	3.53	134.4	3.97	138.4	4.06	143.9	4.16	147.9	4.24
		25.4	104.8	2.55	113.5	2.98	123.6	3.47	134.4	3.90	138.4	3.99	143.9	4.09	147.9	4.17
		50.7	104.8	2.34	113.5	2.79	123.6	3.24	134.4	3.65	138.4	3.74	143.9	3.84	147.9	3.90
		63.4	104.8	2.28	113.5	2.73	123.6	3.17	134.4	3.58	138.4	3.67	143.9	3.76	147.9	3.80
		76.1	104.8	2.25	113.5	2.69	123.6	3.14	134.4	3.55	138.4	3.64	143.9	3.72	147.9	3.75
	67	20.3	104.8	3.21	113.5	3.73	123.6	4.34	134.4	4.89	138.4	5.01	143.9	5.14	147.9	5.23
		25.4	104.8	3.15	113.5	3.67	123.6	4.27	134.4	4.81	138.4	4.93	143.9	5.05	147.9	5.14
		50.7	104.8	2.89	113.5	3.43	123.6	4.00	134.4	4.50	138.4	4.61	143.9	4.73	147.9	4.81
		63.4	104.8	2.82	113.5	3.37	123.6	3.92	134.4	4.41	138.4	4.53	143.9	4.64	147.9	4.68
		76.1	104.8	2.78	113.5	3.33	123.6	3.87	134.4	4.37	138.4	4.49	143.9	4.60	147.9	4.62
	75	20.3	104.8	3.92	113.5	4.55	123.6	5.31	134.4	5.97	138.4	6.11	143.9	6.27	147.9	6.37
		25.4	104.8	3.84	113.5	4.48	123.6	5.22	134.4	5.87	138.4	6.01	143.9	6.17	147.9	6.27
		50.7	104.8	3.53	113.5	4.18	123.6	4.88	134.4	5.49	138.4	5.62	143.9	5.77	147.9	5.87
		63.4	104.8	3.43	113.5	4.09	123.6	4.77	134.4	5.39	138.4	5.51	143.9	5.66	147.9	5.72
		76.1	104.8	3.38	113.5	4.05	123.6	4.72	134.4	5.34	138.4	5.46	143.9	5.60	147.9	5.64
	86	20.3	104.8	4.82	113.5	5.59	123.6	6.51	134.4	7.35	138.4	7.52	143.9	7.70	147.9	7.84
		25.4	104.8	4.72	113.5	5.50	123.6	6.41	134.4	7.23	138.4	7.40	143.9	7.57	147.9	7.72
		50.7	104.8	4.34	113.5	5.14	123.6	6.00	134.4	6.76	138.4	6.92	143.9	7.09	147.9	7.22
		63.4	104.8	4.22	113.5	5.04	123.6	5.87	134.4	6.63	138.4	6.78	143.9	6.96	147.9	7.04
		76.1	104.8	4.17	113.5	4.99	123.6	5.81	134.4	6.56	138.4	6.71	143.9	6.90	147.9	6.95
	95	20.3	104.8	5.35	113.5	6.22	123.6	7.24	134.4	8.15	138.4	8.35	143.9	8.56	147.9	8.71
		25.4	104.8	5.25	113.5	6.12	123.6	7.13	134.4	8.02	138.4	8.21	143.9	8.42	147.9	8.57
		50.7	104.8	4.82	113.5	5.72	123.6	6.67	134.4	7.51	138.4	7.69	143.9	7.88	147.9	8.02
		63.4	104.8	4.70	113.5	5.60	123.6	6.53	134.4	7.36	138.4	7.54	143.9	7.73	147.9	7.82
		76.1	104.8	4.63	113.5	5.55	123.6	6.46	134.4	7.28	138.4	7.46	143.9	7.65	147.9	7.72
	104	20.3	104.8	6.34	113.5	7.36	123.6	8.58	134.4	9.66	138.4	9.90	143.9	10.13	147.9	10.31
		25.4	104.8	6.22	113.5	7.24	123.6	8.45	134.4	9.51	138.4	9.74	143.9	9.97	147.9	10.15
		50.7	104.8	5.72	113.5	6.78	123.6	7.89	134.4	8.89	138.4	9.10	143.9	9.33	147.9	9.51
		63.4	104.8	5.55	113.5	6.63	123.6	7.73	134.4	8.71	138.4	8.93	143.9	9.16	147.9	9.25
		76.1	104.8	5.47	113.5	6.55	123.6	7.65	134.4	8.62	138.4	8.85	143.9	9.08	147.9	9.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	20.3	104.8	7.34	113.5	8.50	123.6	9.92	134.4	11.17	138.4	11.45	143.9	11.70	147.9	11.90
		25.4	104.8	7.19	113.5	8.37	123.6	9.76	134.4	10.99	138.4	11.26	143.9	11.52	147.9	11.72
		50.7	104.8	6.62	113.5	7.84	123.6	9.12	134.4	10.27	138.4	10.51	143.9	10.77	147.9	10.99
		63.4	104.8	6.41	113.5	7.65	123.6	8.93	134.4	10.07	138.4	10.33	143.9	10.59	147.9	10.68
		76.1	104.8	6.31	113.5	7.56	123.6	8.84	134.4	9.97	138.4	10.24	143.9	10.51	147.9	10.53
60	23	13.4	89.9	1.53	97.3	1.76	106.0	2.08	115.2	2.33	118.7	2.39	123.2	2.44	126.7	2.51
	32	15.0	89.9	1.53	97.3	1.76	106.0	2.08	115.2	2.33	118.7	2.39	123.2	2.44	126.7	2.51
	41	17.3	89.9	1.53	97.3	1.76	106.0	2.08	115.2	2.33	118.7	2.39	123.2	2.44	126.7	2.51
	50	20.3	89.9	1.53	97.3	1.76	106.0	2.08	115.2	2.33	118.7	2.39	123.2	2.44	126.7	2.51
		25.4	89.9	1.50	97.3	1.73	106.0	2.04	115.2	2.29	118.7	2.35	123.2	2.40	126.7	2.46
		50.7	89.9	1.38	97.3	1.62	106.0	1.91	115.2	2.13	118.7	2.20	123.2	2.25	126.7	2.29
		63.4	89.9	1.34	97.3	1.61	106.0	1.87	115.2	2.10	118.7	2.17	123.2	2.20	126.7	2.24
		76.1	89.9	1.32	97.3	1.61	106.0	1.85	115.2	2.09	118.7	2.15	123.2	2.18	126.7	2.22
	59	20.3	89.9	2.08	97.3	2.41	106.0	2.81	115.2	3.16	118.7	3.24	123.2	3.31	126.7	3.38
		25.4	89.9	2.03	97.3	2.37	106.0	2.76	115.2	3.11	118.7	3.19	123.2	3.26	126.7	3.33
		50.7	89.9	1.87	97.3	2.21	106.0	2.58	115.2	2.90	118.7	2.98	123.2	3.06	126.7	3.11
		63.4	89.9	1.82	97.3	2.18	106.0	2.53	115.2	2.85	118.7	2.93	123.2	2.99	126.7	3.03
		76.1	89.9	1.79	97.3	2.16	106.0	2.51	115.2	2.83	118.7	2.90	123.2	2.96	126.7	2.99
	67	20.3	89.9	2.56	97.3	2.98	106.0	3.46	115.2	3.90	118.7	3.99	123.2	4.10	126.7	4.16
		25.4	89.9	2.51	97.3	2.93	106.0	3.40	115.2	3.84	118.7	3.93	123.2	4.03	126.7	4.09
		50.7	89.9	2.30	97.3	2.74	106.0	3.19	115.2	3.60	118.7	3.67	123.2	3.77	126.7	3.84
		63.4	89.9	2.24	97.3	2.67	106.0	3.12	115.2	3.52	118.7	3.61	123.2	3.70	126.7	3.74
		76.1	89.9	2.21	97.3	2.64	106.0	3.09	115.2	3.48	118.7	3.58	123.2	3.66	126.7	3.69
	75	20.3	89.9	3.12	97.3	3.63	106.0	4.23	115.2	4.76	118.7	4.88	123.2	4.99	126.7	5.08
		25.4	89.9	3.06	97.3	3.57	106.0	4.16	115.2	4.68	118.7	4.80	123.2	4.91	126.7	5.00
		50.7	89.9	2.82	97.3	3.34	106.0	3.89	115.2	4.38	118.7	4.48	123.2	4.59	126.7	4.68
		63.4	89.9	2.74	97.3	3.26	106.0	3.81	115.2	4.29	118.7	4.40	123.2	4.52	126.7	4.56
		76.1	89.9	2.70	97.3	3.22	106.0	3.77	115.2	4.24	118.7	4.36	123.2	4.48	126.7	4.49
	86	20.3	89.9	3.84	97.3	4.46	106.0	5.20	115.2	5.85	118.7	6.00	123.2	6.14	126.7	6.25
		25.4	89.9	3.76	97.3	4.39	106.0	5.12	115.2	5.76	118.7	5.90	123.2	6.04	126.7	6.15
		50.7	89.9	3.47	97.3	4.11	106.0	4.79	115.2	5.39	118.7	5.51	123.2	5.66	126.7	5.76
		63.4	89.9	3.37	97.3	4.02	106.0	4.68	115.2	5.28	118.7	5.41	123.2	5.55	126.7	5.60
		76.1	89.9	3.31	97.3	3.97	106.0	4.63	115.2	5.23	118.7	5.36	123.2	5.50	126.7	5.53
	95	20.3	89.9	4.27	97.3	4.96	106.0	5.77	115.2	6.50	118.7	6.66	123.2	6.83	126.7	6.94
		25.4	89.9	4.18	97.3	4.88	106.0	5.68	115.2	6.40	118.7	6.55	123.2	6.72	126.7	6.83
		50.7	89.9	3.85	97.3	4.56	106.0	5.31	115.2	5.99	118.7	6.13	123.2	6.28	126.7	6.40
		63.4	89.9	3.74	97.3	4.47	106.0	5.21	115.2	5.86	118.7	6.01	123.2	6.17	126.7	6.23
		76.1	89.9	3.68	97.3	4.42	106.0	5.16	115.2	5.80	118.7	5.96	123.2	6.11	126.7	6.15
	104	20.3	89.9	5.05	97.3	5.88	106.0	6.84	115.2	7.70	118.7	7.88	123.2	8.08	126.7	8.23
		25.4	89.9	4.95	97.3	5.78	106.0	6.73	115.2	7.57	118.7	7.75	123.2	7.95	126.7	8.10
		50.7	89.9	4.56	97.3	5.40	106.0	6.30	115.2	7.09	118.7	7.26	123.2	7.43	126.7	7.57
		63.4	89.9	4.43	97.3	5.28	106.0	6.17	115.2	6.95	118.7	7.11	123.2	7.31	126.7	7.37
		76.1	89.9	4.36	97.3	5.23	106.0	6.10	115.2	6.88	118.7	7.04	123.2	7.24	126.7	7.27
	113	20.3	89.9	5.84	97.3	6.81	106.0	7.91	115.2	8.89	118.7	9.10	123.2	9.32	126.7	9.52
		25.4	89.9	5.72	97.3	6.69	106.0	7.78	115.2	8.75	118.7	8.96	123.2	9.17	126.7	9.37
		50.7	89.9	5.26	97.3	6.24	106.0	7.28	115.2	8.19	118.7	8.38	123.2	8.59	126.7	8.75
		63.4	89.9	5.12	97.3	6.10	106.0	7.13	115.2	8.04	118.7	8.21	123.2	8.45	126.7	8.51
		76.1	89.9	5.05	97.3	6.03	106.0	7.05	115.2	7.96	118.7	8.13	123.2	8.37	126.7	8.39
50	23	13.4	74.9	1.16	81.1	1.31	88.3	1.53	96.0	1.72	98.9	1.79	102.7	1.81	105.6	1.87
	32	15.0	74.9	1.16	81.1	1.31	88.3	1.53	96.0	1.72	98.9	1.79	102.7	1.81	105.6	1.87
	41	17.3	74.9	1.16	81.1	1.31	88.3	1.53	96.0	1.72	98.9	1.79	102.7	1.81	105.6	1.87
	50	20.3	74.9	1.16	81.1	1.31	88.3	1.53	96.0	1.72	98.9	1.79	102.7	1.81	105.6	1.87
		25.4	74.9	1.13	81.1	1.29	88.3	1.51	96.0	1.70	98.9	1.76	102.7	1.78	105.6	1.83
		50.7	74.9	1.03	81.1	1.22	88.3	1.43	96.0	1.61	98.9	1.65	102.7	1.67	105.6	1.70
		63.4	74.9	1.00	81.1	1.21	88.3	1.40	96.0	1.56	98.9	1.60	102.7	1.65	105.6	1.67
		76.1	74.9	0.98	81.1	1.20	88.3	1.39	96.0	1.54	98.9	1.57	102.7	1.64	105.6	1.66
	59	20.3	74.9	1.55	81.1	1.79	88.3	2.09	96.0	2.35	98.9	2.42	102.7	2.47	105.6	2.52
		25.4	74.9	1.52	81.1	1.77	88.3	2.06	96.0	2.32	98.9	2.38	102.7	2.43	105.6	2.48
		50.7	74.9	1.39	81.1	1.65	88.3	1.93	96.0	2.18	98.9	2.23	102.7	2.28	105.6	2.32
		63.4	74.9	1.36	81.1	1.63	88.3	1.89	96.0	2.12	98.9	2.18	102.7	2.24	105.6	2.26
		76.1	74.9	1.34	81.1	1.61	88.3	1.87	96.0	2.10	98.9	2.15	102.7	2.22	105.6	2.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	20.3	74.9	1.91	81.1	2.23	88.3	2.59	96.0	2.91	98.9	2.98	102.7	3.06	105.6	3.11
		25.4	74.9	1.87	81.1	2.19	88.3	2.55	96.0	2.87	98.9	2.93	102.7	3.01	105.6	3.06
		50.7	74.9	1.71	81.1	2.03	88.3	2.38	96.0	2.67	98.9	2.74	102.7	2.82	105.6	2.87
		63.4	74.9	1.68	81.1	2.00	88.3	2.33	96.0	2.62	98.9	2.69	102.7	2.76	105.6	2.79
		76.1	74.9	1.66	81.1	1.98	88.3	2.30	96.0	2.60	98.9	2.66	102.7	2.74	105.6	2.75
	75	20.3	74.9	2.32	81.1	2.71	88.3	3.14	96.0	3.55	98.9	3.63	102.7	3.72	105.6	3.78
		25.4	74.9	2.28	81.1	2.66	88.3	3.10	96.0	3.49	98.9	3.57	102.7	3.66	105.6	3.72
		50.7	74.9	2.10	81.1	2.48	88.3	2.90	96.0	3.26	98.9	3.34	102.7	3.43	105.6	3.49
		63.4	74.9	2.03	81.1	2.43	88.3	2.84	96.0	3.20	98.9	3.28	102.7	3.37	105.6	3.40
		76.1	74.9	2.00	81.1	2.41	88.3	2.81	96.0	3.17	98.9	3.24	102.7	3.33	105.6	3.36
	86	20.3	74.9	2.86	81.1	3.33	88.3	3.87	96.0	4.37	98.9	4.48	102.7	4.58	105.6	4.66
		25.4	74.9	2.80	81.1	3.28	88.3	3.81	96.0	4.30	98.9	4.40	102.7	4.50	105.6	4.58
		50.7	74.9	2.58	81.1	3.06	88.3	3.57	96.0	4.02	98.9	4.11	102.7	4.22	105.6	4.29
		63.4	74.9	2.51	81.1	2.99	88.3	3.49	96.0	3.94	98.9	4.03	102.7	4.13	105.6	4.18
		76.1	74.9	2.47	81.1	2.96	88.3	3.45	96.0	3.90	98.9	3.99	102.7	4.09	105.6	4.13
	95	20.3	74.9	3.19	81.1	3.69	88.3	4.30	96.0	4.85	98.9	4.97	102.7	5.08	105.6	5.17
		25.4	74.9	3.12	81.1	3.63	88.3	4.24	96.0	4.77	98.9	4.89	102.7	5.00	105.6	5.09
		50.7	74.9	2.87	81.1	3.40	88.3	3.97	96.0	4.47	98.9	4.57	102.7	4.68	105.6	4.77
		63.4	74.9	2.79	81.1	3.33	88.3	3.88	96.0	4.38	98.9	4.48	102.7	4.59	105.6	4.64
		76.1	74.9	2.75	81.1	3.29	88.3	3.83	96.0	4.33	98.9	4.43	102.7	4.55	105.6	4.58
	104	20.3	74.9	3.78	81.1	4.38	88.3	5.10	96.0	5.75	98.9	5.88	102.7	6.02	105.6	6.14
		25.4	74.9	3.70	81.1	4.31	88.3	5.02	96.0	5.66	98.9	5.78	102.7	5.92	105.6	6.04
		50.7	74.9	3.39	81.1	4.03	88.3	4.70	96.0	5.28	98.9	5.41	102.7	5.55	105.6	5.64
		63.4	74.9	3.30	81.1	3.94	88.3	4.59	96.0	5.18	98.9	5.31	102.7	5.44	105.6	5.50
		76.1	74.9	3.26	81.1	3.90	88.3	4.54	96.0	5.13	98.9	5.26	102.7	5.38	105.6	5.43
	113	20.3	74.9	4.36	81.1	5.07	88.3	5.89	96.0	6.65	98.9	6.79	102.7	6.95	105.6	7.11
		25.4	74.9	4.27	81.1	4.99	88.3	5.80	96.0	6.54	98.9	6.68	102.7	6.85	105.6	6.99
		50.7	74.9	3.92	81.1	4.66	88.3	5.43	96.0	6.10	98.9	6.26	102.7	6.42	105.6	6.51
		63.4	74.9	3.81	81.1	4.56	88.3	5.31	96.0	5.99	98.9	6.14	102.7	6.28	105.6	6.36
		76.1	74.9	3.76	81.1	4.50	88.3	5.25	96.0	5.93	98.9	6.08	102.7	6.21	105.6	6.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

Due to our policy of continuous product innovation, some specifications may change without notification.
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PERFORMANCE DATA

Cooling Capacity

ARWN240DAS4, ARWB240DAS4
240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	16.1	223.1	4.54	241.7	5.33	263.0	6.20	285.8	6.95	294.5	7.11	306.0	7.35	314.6	7.45
	32	18.1	223.1	4.54	241.7	5.33	263.0	6.20	285.8	6.95	294.5	7.11	306.0	7.35	314.6	7.45
	41	20.7	223.1	4.54	241.7	5.33	263.0	6.20	285.8	6.95	294.5	7.11	306.0	7.35	314.6	7.45
	50	24.4	223.1	4.54	241.7	5.33	263.0	6.20	285.8	6.95	294.5	7.11	306.0	7.35	314.6	7.45
		30.5	223.1	4.46	241.7	5.23	263.0	6.10	285.8	6.85	294.5	7.00	306.0	7.22	314.6	7.33
		60.9	223.1	4.13	241.7	4.85	263.0	5.67	285.8	6.40	294.5	6.58	306.0	6.72	314.6	6.88
		76.1	223.1	4.02	241.7	4.78	263.0	5.58	285.8	6.25	294.5	6.45	306.0	6.61	314.6	6.70
		91.4	223.1	3.96	241.7	4.75	263.0	5.53	285.8	6.18	294.5	6.37	306.0	6.55	314.6	6.60
	59	24.4	219.5	5.98	237.7	6.98	258.8	8.13	281.3	9.13	289.8	9.35	301.0	9.60	309.5	9.76
		30.5	219.5	5.87	237.7	6.86	258.8	8.00	281.3	8.98	289.8	9.20	301.0	9.45	309.5	9.61
		60.9	219.5	5.41	237.7	6.40	258.8	7.47	281.3	8.41	289.8	8.63	301.0	8.85	309.5	9.03
		76.1	219.5	5.27	237.7	6.28	258.8	7.32	281.3	8.23	289.8	8.46	301.0	8.68	309.5	8.82
		91.4	219.5	5.20	237.7	6.22	258.8	7.25	281.3	8.15	289.8	8.37	301.0	8.58	309.5	8.71
	67	24.4	216.3	7.28	234.2	8.45	255.1	9.85	277.3	11.08	285.6	11.35	296.6	11.60	305.0	11.83
		30.5	216.3	7.13	234.2	8.31	255.1	9.68	277.3	10.90	285.6	11.16	296.6	11.43	305.0	11.65
		60.9	216.3	6.55	234.2	7.78	255.1	9.06	277.3	10.20	285.6	10.43	296.6	10.73	305.0	10.95
		76.1	216.3	6.38	234.2	7.61	255.1	8.87	277.3	10.00	285.6	10.25	296.6	10.51	305.0	10.70
		91.4	216.3	6.30	234.2	7.53	255.1	8.77	277.3	9.90	285.6	10.15	296.6	10.40	305.0	10.58
	75	24.4	216.3	8.97	234.2	10.41	255.1	12.13	277.3	13.68	285.6	14.00	296.6	14.33	305.0	14.57
		30.5	216.3	8.80	234.2	10.25	255.1	11.93	277.3	13.46	285.6	13.78	296.6	14.11	305.0	14.35
		60.9	216.3	8.10	234.2	9.60	255.1	11.16	277.3	12.56	285.6	12.88	296.6	13.24	305.0	13.48
		76.1	216.3	7.85	234.2	9.38	255.1	10.95	277.3	12.33	285.6	12.63	296.6	12.98	305.0	13.19
		91.4	216.3	7.73	234.2	9.26	255.1	10.83	277.3	12.20	285.6	12.51	296.6	12.84	305.0	13.05
	86	24.4	216.3	10.78	234.2	12.50	255.1	14.56	277.3	16.41	285.6	16.80	296.6	17.21	305.0	17.49
		30.5	216.3	10.56	234.2	12.30	255.1	14.33	277.3	16.14	285.6	16.53	296.6	16.93	305.0	17.23
		60.9	216.3	9.68	234.2	11.50	255.1	13.41	277.3	15.08	285.6	15.46	296.6	15.88	305.0	16.19
		76.1	216.3	9.43	234.2	11.26	255.1	13.12	277.3	14.78	285.6	15.18	296.6	15.56	305.0	15.83
		91.4	216.3	9.28	234.2	11.13	255.1	12.98	277.3	14.64	285.6	15.03	296.6	15.40	305.0	15.64
	95	24.4	194.7	10.87	210.8	12.65	229.5	14.73	249.5	16.57	257.0	17.00	267.0	17.41	274.5	17.68
		30.5	194.7	10.65	210.8	12.45	229.5	14.50	249.5	16.31	257.0	16.72	267.0	17.13	274.5	17.42
		60.9	194.7	9.81	210.8	11.62	229.5	13.55	249.5	15.27	257.0	15.63	267.0	16.04	274.5	16.38
		76.1	194.7	9.55	210.8	11.38	229.5	13.26	249.5	14.96	257.0	15.34	267.0	15.73	274.5	16.00
		91.4	194.7	9.41	210.8	11.26	229.5	13.12	249.5	14.80	257.0	15.20	267.0	15.57	274.5	15.80
	104	24.4	173.0	11.49	187.4	13.33	204.0	15.55	221.8	17.48	228.5	17.89	237.3	18.33	244.0	18.66
		30.5	173.0	11.26	187.4	13.12	204.0	15.30	221.8	17.20	228.5	17.61	237.3	18.05	244.0	18.38
		60.9	173.0	10.34	187.4	12.28	204.0	14.30	221.8	16.09	228.5	16.50	237.3	16.93	244.0	17.28
		76.1	173.0	10.05	187.4	12.01	204.0	13.99	221.8	15.78	228.5	16.19	237.3	16.60	244.0	16.89
		91.4	173.0	9.90	187.4	11.88	204.0	13.83	221.8	15.62	228.5	16.03	237.3	16.43	244.0	16.69
	113	24.4	151.3	12.11	164.0	14.01	178.5	16.35	194.1	18.40	200.0	18.79	207.6	19.25	213.5	19.65
		30.5	151.3	11.86	164.0	13.80	178.5	16.09	194.1	18.10	200.0	18.51	207.6	18.96	213.5	19.35
		60.9	151.3	10.88	164.0	12.93	178.5	15.05	194.1	16.91	200.0	17.38	207.6	17.83	213.5	18.16
		76.1	151.3	10.56	164.0	12.63	178.5	14.71	194.1	16.60	200.0	17.03	207.6	17.46	213.5	17.78
		91.4	151.3	10.40	164.0	12.49	178.5	14.55	194.1	16.44	200.0	16.86	207.6	17.28	213.5	17.59
120	23	16.1	211.2	4.33	228.6	5.05	249.0	5.85	270.6	6.58	278.8	6.80	289.7	6.95	297.7	7.03
	32	18.1	211.2	4.33	228.6	5.05	249.0	5.85	270.6	6.58	278.8	6.80	289.7	6.95	297.7	7.03
	41	20.7	211.2	4.33	228.6	5.05	249.0	5.85	270.6	6.58	278.8	6.80	289.7	6.95	297.7	7.03
	50	24.4	211.2	4.33	228.6	5.05	249.0	5.85	270.6	6.58	278.8	6.80	289.7	6.95	297.7	7.03
		30.5	211.2	4.25	228.6	4.97	249.0	5.76	270.6	6.48	278.8	6.67	289.7	6.83	297.7	6.93
		60.9	211.2	3.90	228.6	4.65	249.0	5.41	270.6	6.06	278.8	6.20	289.7	6.36	297.7	6.50
		76.1	211.2	3.78	228.6	4.50	249.0	5.30	270.6	5.92	278.8	6.11	289.7	6.25	297.7	6.37
		91.4	211.2	3.72	228.6	4.42	249.0	5.23	270.6	5.85	278.8	6.06	289.7	6.20	297.7	6.30
	59	24.4	208.7	5.75	226.0	6.68	246.2	7.76	267.5	8.75	275.6	8.96	286.3	9.18	294.3	9.32
		30.5	208.7	5.63	226.0	6.57	246.2	7.63	267.5	8.60	275.6	8.82	286.3	9.03	294.3	9.18
		60.9	208.7	5.17	226.0	6.13	246.2	7.15	267.5	8.05	275.6	8.23	286.3	8.46	294.3	8.63
		76.1	208.7	5.03	226.0	6.00	246.2	7.01	267.5	7.88	275.6	8.10	286.3	8.28	294.3	8.43
		91.4	208.7	4.95	226.0	5.92	246.2	6.93	267.5	7.80	275.6	8.02	286.3	8.20	294.3	8.33
	67	24.4	206.5	7.00	223.7	8.13	243.7	9.45	264.8	10.66	272.8	10.90	283.3	11.16	291.3	11.36
		30.5	206.5	6.86	223.7	8.00	243.7	9.30	264.8	10.48	272.8	10.73	283.3	11.00	291.3	11.18
		60.9	206.5	6.30	223.7	7.47	243.7	8.70	264.8	9.81	272.8	10.05	283.3	10.32	291.3	10.51
		76.1	206.5	6.13	223.7	7.32	243.7	8.53	264.8	9.61	272.8	9.86	283.3	10.10	291.3	10.27
		91.4	206.5	6.05	223.7	7.25	243.7	8.45	264.8	9.52	272.8	9.76	283.3	9.99	291.3	10.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	24.4	206.5	8.60	223.7	10.00	243.7	11.64	264.8	13.08	272.8	13.41	283.3	13.75	291.3	13.98
		30.5	206.5	8.43	223.7	9.83	243.7	11.45	264.8	12.88	272.8	13.19	283.3	13.53	291.3	13.78
		60.9	206.5	7.75	223.7	9.18	243.7	10.70	264.8	12.06	272.8	12.35	283.3	12.66	291.3	12.93
		76.1	206.5	7.53	223.7	8.98	243.7	10.48	264.8	11.81	272.8	12.10	283.3	12.42	291.3	12.61
		91.4	206.5	7.43	223.7	8.89	243.7	10.38	264.8	11.70	272.8	11.98	283.3	12.30	291.3	12.45
	86	24.4	206.5	10.38	223.7	12.08	243.7	14.08	264.8	15.84	272.8	16.20	283.3	16.62	291.3	16.91
		30.5	206.5	10.17	223.7	11.88	243.7	13.85	264.8	15.58	272.8	15.95	283.3	16.36	291.3	16.65
		60.9	206.5	9.38	223.7	11.11	243.7	12.93	264.8	14.57	272.8	14.93	283.3	15.31	291.3	15.61
		76.1	206.5	9.11	223.7	10.88	243.7	12.66	264.8	14.28	272.8	14.64	283.3	15.03	291.3	15.25
		91.4	206.5	8.98	223.7	10.75	243.7	12.53	264.8	14.13	272.8	14.50	283.3	14.88	291.3	15.06
	95	24.4	189.0	10.65	204.7	12.38	223.0	14.41	242.3	16.23	249.6	16.63	259.3	17.01	266.6	17.33
		30.5	189.0	10.43	204.7	12.18	223.0	14.18	242.3	15.97	249.6	16.36	259.3	16.74	266.6	17.06
		60.9	189.0	9.60	204.7	11.38	223.0	13.26	242.3	14.93	249.6	15.30	259.3	15.71	266.6	16.00
		76.1	189.0	9.33	204.7	11.13	223.0	13.00	242.3	14.64	249.6	15.00	259.3	15.39	266.6	15.63
		91.4	189.0	9.20	204.7	11.01	223.0	12.86	242.3	14.50	249.6	14.86	259.3	15.23	266.6	15.45
	104	24.4	171.5	11.46	185.7	13.31	202.3	15.52	219.9	17.46	226.5	17.88	235.3	18.31	241.8	18.65
		30.5	171.5	11.23	185.7	13.10	202.3	15.27	219.9	17.18	226.5	17.59	235.3	18.03	241.8	18.36
		60.9	171.5	10.34	185.7	12.25	202.3	14.28	219.9	16.06	226.5	16.45	235.3	16.89	241.8	17.23
		76.1	171.5	10.05	185.7	11.98	202.3	13.99	219.9	15.75	226.5	16.16	235.3	16.58	241.8	16.81
		91.4	171.5	9.90	185.7	11.85	202.3	13.85	219.9	15.60	226.5	16.01	235.3	16.41	241.8	16.61
	113	24.4	154.0	12.27	166.7	14.24	181.6	16.63	197.5	18.68	203.4	19.13	211.3	19.61	217.0	19.98
		30.5	154.0	12.03	166.7	14.01	181.6	16.36	197.5	18.38	203.4	18.83	211.3	19.31	217.0	19.66
		60.9	154.0	11.09	166.7	13.12	181.6	15.30	197.5	17.20	203.4	17.61	211.3	18.08	217.0	18.46
		76.1	154.0	10.78	166.7	12.83	181.6	14.98	197.5	16.86	203.4	17.33	211.3	17.76	217.0	18.00
		91.4	154.0	10.62	166.7	12.68	181.6	14.83	197.5	16.70	203.4	17.18	211.3	17.60	217.0	17.76
110	23	16.1	199.2	4.08	215.8	4.73	235.0	5.55	255.3	6.22	262.8	6.35	273.1	6.56	280.7	6.65
	32	18.1	199.2	4.08	215.8	4.73	235.0	5.55	255.3	6.22	262.8	6.35	273.1	6.56	280.7	6.65
	41	20.7	199.2	4.08	215.8	4.73	235.0	5.55	255.3	6.22	262.8	6.35	273.1	6.56	280.7	6.65
	50	24.4	199.2	4.08	215.8	4.73	235.0	5.55	255.3	6.22	262.8	6.35	273.1	6.56	280.7	6.65
		30.5	199.2	4.00	215.8	4.65	235.0	5.45	255.3	6.12	262.8	6.26	273.1	6.45	280.7	6.55
		60.9	199.2	3.68	215.8	4.35	235.0	5.08	255.3	5.73	262.8	5.90	273.1	6.03	280.7	6.12
		76.1	199.2	3.58	215.8	4.26	235.0	4.95	255.3	5.63	262.8	5.72	273.1	5.91	280.7	5.98
		91.4	199.2	3.53	215.8	4.21	235.0	4.90	255.3	5.59	262.8	5.63	273.1	5.85	280.7	5.91
	59	24.4	198.0	5.47	214.4	6.36	233.5	7.42	253.8	8.35	261.3	8.55	271.5	8.76	279.1	8.91
		30.5	198.0	5.36	214.4	6.26	233.5	7.30	253.8	8.21	261.3	8.41	271.5	8.63	279.1	8.77
		60.9	198.0	4.93	214.4	5.85	233.5	6.81	253.8	7.68	261.3	7.88	271.5	8.07	279.1	8.21
		76.1	198.0	4.81	214.4	5.73	233.5	6.67	253.8	7.53	261.3	7.71	271.5	7.93	279.1	8.02
		91.4	198.0	4.75	214.4	5.67	233.5	6.60	253.8	7.46	261.3	7.62	271.5	7.85	279.1	7.93
	67	24.4	196.9	6.70	213.2	7.81	232.2	9.08	252.5	10.24	260.0	10.48	270.1	10.73	277.7	10.93
		30.5	196.9	6.57	213.2	7.68	232.2	8.94	252.5	10.08	260.0	10.32	270.1	10.56	277.7	10.75
		60.9	196.9	6.05	213.2	7.18	232.2	8.36	252.5	9.43	260.0	9.64	270.1	9.88	277.7	10.08
		76.1	196.9	5.90	213.2	7.03	232.2	8.19	252.5	9.23	260.0	9.47	270.1	9.71	277.7	9.83
		91.4	196.9	5.82	213.2	6.96	232.2	8.10	252.5	9.13	260.0	9.38	270.1	9.63	277.7	9.71
	75	24.4	196.9	8.20	213.2	9.55	232.2	11.12	252.5	12.53	260.0	12.81	270.1	13.13	277.7	13.38
		30.5	196.9	8.05	213.2	9.40	232.2	10.95	252.5	12.33	260.0	12.61	270.1	12.93	277.7	13.17
		60.9	196.9	7.42	213.2	8.80	232.2	10.25	252.5	11.53	260.0	11.81	270.1	12.10	277.7	12.35
		76.1	196.9	7.20	213.2	8.60	232.2	10.03	252.5	11.31	260.0	11.58	270.1	11.88	277.7	12.03
		91.4	196.9	7.10	213.2	8.50	232.2	9.92	252.5	11.20	260.0	11.45	270.1	11.78	277.7	11.88
	86	24.4	196.9	10.00	213.2	11.64	232.2	13.56	252.5	15.28	260.0	15.64	270.1	16.00	277.7	16.30
		30.5	196.9	9.81	213.2	11.45	232.2	13.33	252.5	15.03	260.0	15.39	270.1	15.75	277.7	16.04
		60.9	196.9	9.03	213.2	10.70	232.2	12.46	252.5	14.03	260.0	14.40	270.1	14.76	277.7	15.03
		76.1	196.9	8.80	213.2	10.48	232.2	12.23	252.5	13.78	260.0	14.11	270.1	14.48	277.7	14.66
		91.4	196.9	8.67	213.2	10.38	232.2	12.10	252.5	13.63	260.0	13.96	270.1	14.33	277.7	14.48
	95	24.4	183.5	10.43	198.7	12.11	216.4	14.10	235.2	15.89	242.2	16.26	251.7	16.64	258.7	16.96
		30.5	183.5	10.22	198.7	11.91	216.4	13.87	235.2	15.63	242.2	16.00	251.7	16.38	258.7	16.70
		60.9	183.5	9.40	198.7	11.13	216.4	12.98	235.2	14.61	242.2	14.96	251.7	15.34	258.7	15.63
		76.1	183.5	9.13	198.7	10.90	216.4	12.71	235.2	14.33	242.2	14.69	251.7	15.05	258.7	15.25
		91.4	183.5	9.00	198.7	10.78	216.4	12.58	235.2	14.18	242.2	14.56	251.7	14.91	258.7	15.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	24.4	170.0	11.43	184.2	13.31	200.5	15.50	218.0	17.43	224.5	17.85	233.2	18.28	239.7	18.63
		30.5	170.0	11.21	184.2	13.10	200.5	15.25	218.0	17.16	224.5	17.56	233.2	18.00	239.7	18.34
		60.9	170.0	10.32	184.2	12.23	200.5	14.26	218.0	16.04	224.5	16.43	233.2	16.86	239.7	17.18
		76.1	170.0	10.03	184.2	11.96	200.5	13.96	218.0	15.73	224.5	16.14	233.2	16.55	239.7	16.74
		91.4	170.0	9.88	184.2	11.83	200.5	13.82	218.0	15.57	224.5	15.99	233.2	16.39	239.7	16.53
	113	24.4	156.5	12.45	169.7	14.53	184.6	16.90	200.8	18.98	206.8	19.45	214.7	19.93	220.7	20.30
		30.5	156.5	12.20	169.7	14.28	184.6	16.63	200.8	18.68	206.8	19.13	214.7	19.61	220.7	19.98
		60.9	156.5	11.23	169.7	13.31	184.6	15.53	200.8	17.46	206.8	17.90	214.7	18.38	220.7	18.73
		76.1	156.5	10.92	169.7	13.03	184.6	15.23	200.8	17.13	206.8	17.59	214.7	18.05	220.7	18.24
		91.4	156.5	10.76	169.7	12.88	184.6	15.06	200.8	16.96	206.8	17.43	214.7	17.88	220.7	18.00
100	23	16.1	187.2	3.87	202.7	4.50	220.8	5.16	240.0	5.88	247.2	5.96	256.8	6.17	264.0	6.28
	32	18.1	187.2	3.87	202.7	4.50	220.8	5.16	240.0	5.88	247.2	5.96	256.8	6.17	264.0	6.28
	41	20.7	187.2	3.87	202.7	4.50	220.8	5.16	240.0	5.88	247.2	5.96	256.8	6.17	264.0	6.28
	50	24.4	187.2	3.87	202.7	4.50	220.8	5.16	240.0	5.88	247.2	5.96	256.8	6.17	264.0	6.28
		30.5	187.2	3.79	202.7	4.42	220.8	5.08	240.0	5.78	247.2	5.88	256.8	6.07	264.0	6.18
		60.9	187.2	3.48	202.7	4.11	220.8	4.78	240.0	5.42	247.2	5.53	256.8	5.67	264.0	5.78
		76.1	187.2	3.37	202.7	4.02	220.8	4.67	240.0	5.30	247.2	5.42	256.8	5.55	264.0	5.60
		91.4	187.2	3.31	202.7	3.97	220.8	4.61	240.0	5.25	247.2	5.35	256.8	5.50	264.0	5.50
	59	24.4	187.2	5.23	202.7	6.07	220.8	7.05	240.0	7.95	247.2	8.13	256.8	8.35	264.0	8.50
		30.5	187.2	5.12	202.7	5.97	220.8	6.93	240.0	7.83	247.2	8.00	256.8	8.21	264.0	8.36
		60.9	187.2	4.71	202.7	5.58	220.8	6.50	240.0	7.32	247.2	7.49	256.8	7.68	264.0	7.83
		76.1	187.2	4.57	202.7	5.46	220.8	6.35	240.0	7.18	247.2	7.35	256.8	7.53	264.0	7.61
		91.4	187.2	4.50	202.7	5.40	220.8	6.28	240.0	7.10	247.2	7.27	256.8	7.46	264.0	7.50
	67	24.4	187.2	6.43	202.7	7.46	220.8	8.72	240.0	9.80	247.2	10.05	256.8	10.28	264.0	10.46
		30.5	187.2	6.30	202.7	7.35	220.8	8.58	240.0	9.64	247.2	9.88	256.8	10.13	264.0	10.30
		60.9	187.2	5.80	202.7	6.88	220.8	8.02	240.0	9.01	247.2	9.23	256.8	9.47	264.0	9.64
		76.1	187.2	5.63	202.7	6.75	220.8	7.85	240.0	8.85	247.2	9.06	256.8	9.30	264.0	9.40
		91.4	187.2	5.55	202.7	6.67	220.8	7.77	240.0	8.76	247.2	8.98	256.8	9.22	264.0	9.28
	75	24.4	187.2	7.83	202.7	9.11	220.8	10.61	240.0	11.96	247.2	12.26	256.8	12.55	264.0	12.76
		30.5	187.2	7.68	202.7	8.96	220.8	10.43	240.0	11.76	247.2	12.06	256.8	12.35	264.0	12.56
		60.9	187.2	7.08	202.7	8.38	220.8	9.76	240.0	11.00	247.2	11.26	256.8	11.55	264.0	11.76
		76.1	187.2	6.88	202.7	8.21	220.8	9.57	240.0	10.78	247.2	11.04	256.8	11.33	264.0	11.45
		91.4	187.2	6.78	202.7	8.13	220.8	9.47	240.0	10.66	247.2	10.93	256.8	11.22	264.0	11.30
	86	24.4	187.2	9.63	202.7	11.23	220.8	13.06	240.0	14.71	247.2	15.06	256.8	15.41	264.0	15.71
		30.5	187.2	9.45	202.7	11.04	220.8	12.85	240.0	14.48	247.2	14.81	256.8	15.18	264.0	15.46
		60.9	187.2	8.70	202.7	10.32	220.8	12.01	240.0	13.53	247.2	13.85	256.8	14.21	264.0	14.48
		76.1	187.2	8.46	202.7	10.10	220.8	11.76	240.0	13.26	247.2	13.60	256.8	13.94	264.0	14.08
		91.4	187.2	8.33	202.7	9.99	220.8	11.65	240.0	13.13	247.2	13.48	256.8	13.81	264.0	13.89
	95	24.4	177.9	10.18	192.7	11.83	209.8	13.78	228.0	15.52	234.8	15.89	244.0	16.28	250.8	16.57
		30.5	177.9	9.98	192.7	11.65	209.8	13.55	228.0	15.27	234.8	15.63	244.0	16.02	250.8	16.31
		60.9	177.9	9.18	192.7	10.90	209.8	12.68	228.0	14.28	234.8	14.61	244.0	15.00	250.8	15.27
		76.1	177.9	8.94	192.7	10.65	209.8	12.42	228.0	14.01	234.8	14.35	244.0	14.71	250.8	14.86
		91.4	177.9	8.82	192.7	10.53	209.8	12.28	228.0	13.88	234.8	14.21	244.0	14.56	250.8	14.65
	104	24.4	168.5	11.45	182.5	13.28	198.7	15.48	216.0	17.41	222.5	17.83	231.2	18.26	237.6	18.58
		30.5	168.5	11.21	182.5	13.07	198.7	15.23	216.0	17.13	222.5	17.54	231.2	17.98	237.6	18.29
		60.9	168.5	10.30	182.5	12.23	198.7	14.23	216.0	16.02	222.5	16.41	231.2	16.81	237.6	17.13
		76.1	168.5	10.03	182.5	11.96	198.7	13.94	216.0	15.71	222.5	16.09	231.2	16.50	237.6	16.68
		91.4	168.5	9.90	182.5	11.83	198.7	13.80	216.0	15.55	222.5	15.93	231.2	16.34	237.6	16.44
	113	24.4	159.1	12.70	172.3	14.73	187.6	17.17	204.0	19.30	210.2	19.76	218.4	20.26	224.4	20.59
		30.5	159.1	12.45	172.3	14.50	187.6	16.89	204.0	18.99	210.2	19.45	218.4	19.93	224.4	20.28
		60.9	159.1	11.40	172.3	13.55	187.6	15.78	204.0	17.76	210.2	18.19	218.4	18.63	224.4	18.99
		76.1	159.1	11.11	172.3	13.26	187.6	15.46	204.0	17.40	210.2	17.83	218.4	18.29	224.4	18.48
		91.4	159.1	10.97	172.3	13.12	187.6	15.31	204.0	17.21	210.2	17.65	218.4	18.12	224.4	18.23
90	23	16.1	168.5	3.28	182.5	3.82	198.7	4.46	216.0	5.05	222.5	5.14	231.2	5.25	237.6	5.41
	32	18.1	168.5	3.28	182.5	3.82	198.7	4.46	216.0	5.05	222.5	5.14	231.2	5.25	237.6	5.41
	41	20.7	168.5	3.28	182.5	3.82	198.7	4.46	216.0	5.05	222.5	5.14	231.2	5.25	237.6	5.41
	50	24.4	168.5	3.28	182.5	3.82	198.7	4.46	216.0	5.05	222.5	5.14	231.2	5.25	237.6	5.41
		30.5	168.5	3.23	182.5	3.76	198.7	4.40	216.0	4.98	222.5	5.07	231.2	5.18	237.6	5.33
		60.9	168.5	3.00	182.5	3.56	198.7	4.11	216.0	4.68	222.5	4.77	231.2	4.91	237.6	4.98
		76.1	168.5	2.90	182.5	3.43	198.7	4.05	216.0	4.53	222.5	4.67	231.2	4.81	237.6	4.81
		91.4	168.5	2.86	182.5	3.38	198.7	4.01	216.0	4.45	222.5	4.63	231.2	4.77	237.6	4.73

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	24.4	168.5	4.48	182.5	5.20	198.7	6.07	216.0	6.85	222.5	7.00	231.2	7.16	237.6	7.32
		30.5	168.5	4.40	182.5	5.12	198.7	5.97	216.0	6.75	222.5	6.88	231.2	7.05	237.6	7.20
		60.9	168.5	4.06	182.5	4.81	198.7	5.58	216.0	6.30	222.5	6.45	231.2	6.62	237.6	6.75
		76.1	168.5	3.93	182.5	4.68	198.7	5.48	216.0	6.16	222.5	6.33	231.2	6.50	237.6	6.55
		91.4	168.5	3.88	182.5	4.63	198.7	5.43	216.0	6.08	222.5	6.27	231.2	6.43	237.6	6.45
	67	24.4	168.5	5.55	182.5	6.43	198.7	7.50	216.0	8.45	222.5	8.65	231.2	8.87	237.6	9.01
		30.5	168.5	5.43	182.5	6.33	198.7	7.37	216.0	8.31	222.5	8.50	231.2	8.72	237.6	8.87
		60.9	168.5	5.00	182.5	5.92	198.7	6.88	216.0	7.75	222.5	7.95	231.2	8.15	237.6	8.31
		76.1	168.5	4.85	182.5	5.80	198.7	6.77	216.0	7.61	222.5	7.80	231.2	8.00	237.6	8.10
		91.4	168.5	4.78	182.5	5.73	198.7	6.70	216.0	7.53	222.5	7.73	231.2	7.93	237.6	7.98
	75	24.4	168.5	6.75	182.5	7.86	198.7	9.13	216.0	10.28	222.5	10.53	231.2	10.80	237.6	11.00
		30.5	168.5	6.62	182.5	7.73	198.7	8.98	216.0	10.13	222.5	10.36	231.2	10.63	237.6	10.83
		60.9	168.5	6.08	182.5	7.23	198.7	8.41	216.0	9.47	222.5	9.68	231.2	9.95	237.6	10.13
		76.1	168.5	5.92	182.5	7.05	198.7	8.23	216.0	9.28	222.5	9.52	231.2	9.76	237.6	9.86
		91.4	168.5	5.83	182.5	6.97	198.7	8.15	216.0	9.18	222.5	9.43	231.2	9.66	237.6	9.73
	86	24.4	168.5	8.31	182.5	9.65	198.7	11.25	216.0	12.68	222.5	12.96	231.2	13.28	237.6	13.53
		30.5	168.5	8.15	182.5	9.50	198.7	11.06	216.0	12.46	222.5	12.76	231.2	13.07	237.6	13.31
		60.9	168.5	7.49	182.5	8.87	198.7	10.34	216.0	11.65	222.5	11.93	231.2	12.23	237.6	12.45
		76.1	168.5	7.27	182.5	8.70	198.7	10.13	216.0	11.43	222.5	11.70	231.2	12.01	237.6	12.13
		91.4	168.5	7.16	182.5	8.61	198.7	10.01	216.0	11.32	222.5	11.57	231.2	11.90	237.6	11.97
	95	24.4	163.9	8.98	177.4	10.41	193.2	12.13	210.0	13.65	216.3	13.98	224.7	14.31	231.0	14.58
		30.5	163.9	8.80	177.4	10.25	193.2	11.93	210.0	13.43	216.3	13.75	224.7	14.08	231.0	14.35
		60.9	163.9	8.07	177.4	9.57	193.2	11.16	210.0	12.56	216.3	12.85	224.7	13.19	231.0	13.43
		76.1	163.9	7.85	177.4	9.38	193.2	10.92	210.0	12.33	216.3	12.63	224.7	12.95	231.0	13.07
		91.4	163.9	7.75	177.4	9.28	193.2	10.80	210.0	12.20	216.3	12.53	224.7	12.83	231.0	12.88
	104	24.4	159.2	10.31	172.4	11.96	187.7	13.92	204.0	15.70	210.2	16.06	218.3	16.45	224.4	16.74
		30.5	159.2	10.10	172.4	11.76	187.7	13.70	204.0	15.44	210.2	15.80	218.3	16.19	224.4	16.48
		60.9	159.2	9.28	172.4	11.00	187.7	12.83	204.0	14.43	210.2	14.78	218.3	15.15	224.4	15.44
		76.1	159.2	9.01	172.4	10.78	187.7	12.56	204.0	14.16	210.2	14.50	218.3	14.88	224.4	15.03
		91.4	159.2	8.88	172.4	10.66	187.7	12.43	204.0	14.03	210.2	14.35	218.3	14.75	224.4	14.82
	113	24.4	154.5	11.63	167.4	13.51	182.2	15.71	198.0	17.73	204.1	18.14	211.9	18.59	217.8	18.90
		30.5	154.5	11.40	167.4	13.29	182.2	15.46	198.0	17.45	204.1	17.86	211.9	18.29	217.8	18.61
		60.9	154.5	10.48	167.4	12.42	182.2	14.50	198.0	16.28	204.1	16.72	211.9	17.11	217.8	17.45
		76.1	154.5	10.17	167.4	12.18	182.2	14.21	198.0	16.00	204.1	16.36	211.9	16.81	217.8	16.98
		91.4	154.5	10.01	167.4	12.05	182.2	14.06	198.0	15.85	204.1	16.18	211.9	16.67	217.8	16.75
80	23	16.1	149.8	2.81	162.2	3.20	176.7	3.72	192.0	4.26	197.8	4.32	205.5	4.45	211.2	4.48
	32	18.1	149.8	2.81	162.2	3.20	176.7	3.72	192.0	4.26	197.8	4.32	205.5	4.45	211.2	4.48
	41	20.7	149.8	2.81	162.2	3.20	176.7	3.72	192.0	4.26	197.8	4.32	205.5	4.45	211.2	4.48
	50	24.4	149.8	2.81	162.2	3.20	176.7	3.72	192.0	4.26	197.8	4.32	205.5	4.45	211.2	4.48
		30.5	149.8	2.75	162.2	3.16	176.7	3.67	192.0	4.18	197.8	4.25	205.5	4.37	211.2	4.41
		60.9	149.8	2.48	162.2	3.00	176.7	3.47	192.0	3.88	197.8	4.00	205.5	4.07	211.2	4.13
		76.1	149.8	2.47	162.2	2.90	176.7	3.40	192.0	3.81	197.8	3.88	205.5	4.00	211.2	4.05
		91.4	149.8	2.46	162.2	2.85	176.7	3.36	192.0	3.78	197.8	3.82	205.5	3.96	211.2	4.00
	59	24.4	149.8	3.78	162.2	4.37	176.7	5.08	192.0	5.75	197.8	5.87	205.5	6.02	211.2	6.11
		30.5	149.8	3.70	162.2	4.30	176.7	5.00	192.0	5.65	197.8	5.78	205.5	5.92	211.2	6.02
		60.9	149.8	3.38	162.2	4.03	176.7	4.68	192.0	5.27	197.8	5.41	205.5	5.53	211.2	5.63
		76.1	149.8	3.31	162.2	3.93	176.7	4.60	192.0	5.17	197.8	5.30	205.5	5.43	211.2	5.48
		91.4	149.8	3.27	162.2	3.89	176.7	4.55	192.0	5.12	197.8	5.23	205.5	5.38	211.2	5.41
	67	24.4	149.8	4.63	162.2	5.40	176.7	6.28	192.0	7.08	197.8	7.25	205.5	7.41	211.2	7.56
		30.5	149.8	4.55	162.2	5.32	176.7	6.18	192.0	6.96	197.8	7.13	205.5	7.30	211.2	7.45
		60.9	149.8	4.18	162.2	4.95	176.7	5.78	192.0	6.50	197.8	6.67	205.5	6.83	211.2	6.96
		76.1	149.8	4.06	162.2	4.85	176.7	5.65	192.0	6.38	197.8	6.55	205.5	6.72	211.2	6.77
		91.4	149.8	4.00	162.2	4.81	176.7	5.60	192.0	6.32	197.8	6.48	205.5	6.65	211.2	6.67
	75	24.4	149.8	5.67	162.2	6.58	176.7	7.66	192.0	8.61	197.8	8.85	205.5	9.06	211.2	9.21
		30.5	149.8	5.56	162.2	6.48	176.7	7.53	192.0	8.48	197.8	8.70	205.5	8.91	211.2	9.06
		60.9	149.8	5.10	162.2	6.05	176.7	7.05	192.0	7.95	197.8	8.12	205.5	8.33	211.2	8.48
		76.1	149.8	4.95	162.2	5.92	176.7	6.91	192.0	7.78	197.8	7.98	205.5	8.19	211.2	8.26
		91.4	149.8	4.88	162.2	5.86	176.7	6.83	192.0	7.70	197.8	7.90	205.5	8.12	211.2	8.15

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	24.4	149.8	6.95	162.2	8.08	176.7	9.43	192.0	10.61	197.8	10.85	205.5	11.12	211.2	11.35
		30.5	149.8	6.81	162.2	7.95	176.7	9.28	192.0	10.43	197.8	10.68	205.5	10.95	211.2	11.16
		60.9	149.8	6.28	162.2	7.45	176.7	8.68	192.0	9.76	197.8	10.00	205.5	10.25	211.2	10.43
		76.1	149.8	6.11	162.2	7.27	176.7	8.48	192.0	9.57	197.8	9.81	205.5	10.05	211.2	10.17
		91.4	149.8	6.03	162.2	7.18	176.7	8.38	192.0	9.47	197.8	9.71	205.5	9.95	211.2	10.03
	95	24.4	149.8	7.73	162.2	8.98	176.7	10.46	192.0	11.78	197.8	12.08	205.5	12.38	211.2	12.60
		30.5	149.8	7.58	162.2	8.85	176.7	10.30	192.0	11.60	197.8	11.88	205.5	12.18	211.2	12.40
		60.9	149.8	6.98	162.2	8.26	176.7	9.64	192.0	10.85	197.8	11.11	205.5	11.38	211.2	11.60
		76.1	149.8	6.78	162.2	8.10	176.7	9.45	192.0	10.63	197.8	10.90	205.5	11.18	211.2	11.28
		91.4	149.8	6.70	162.2	8.01	176.7	9.35	192.0	10.52	197.8	10.78	205.5	11.09	211.2	11.13
	104	24.4	149.8	9.17	162.2	10.66	176.7	12.40	192.0	13.98	197.8	14.30	205.5	14.66	211.2	14.90
		30.5	149.8	8.98	162.2	10.48	176.7	12.20	192.0	13.75	197.8	14.06	205.5	14.43	211.2	14.66
		60.9	149.8	8.26	162.2	9.78	176.7	11.40	192.0	12.85	197.8	13.15	205.5	13.48	211.2	13.73
		76.1	149.8	8.02	162.2	9.60	176.7	11.16	192.0	12.58	197.8	12.90	205.5	13.24	211.2	13.36
		91.4	149.8	7.90	162.2	9.50	176.7	11.04	192.0	12.45	197.8	12.78	205.5	13.12	211.2	13.18
	113	24.4	149.8	10.60	162.2	12.33	176.7	14.35	192.0	16.16	197.8	16.51	205.5	16.95	211.2	17.21
		30.5	149.8	10.39	162.2	12.13	176.7	14.11	192.0	15.90	197.8	16.23	205.5	16.68	211.2	16.93
		60.9	149.8	9.55	162.2	11.31	176.7	13.17	192.0	14.86	197.8	15.18	205.5	15.58	211.2	15.85
		76.1	149.8	9.25	162.2	11.09	176.7	12.88	192.0	14.55	197.8	14.91	205.5	15.30	211.2	15.44
		91.4	149.8	9.11	162.2	10.98	176.7	12.73	192.0	14.38	197.8	14.78	205.5	15.15	211.2	15.23
70	23	16.1	131.1	2.30	141.9	2.67	154.6	3.08	168.0	3.48	173.0	3.62	179.8	3.71	184.8	3.72
	32	18.1	131.1	2.30	141.9	2.67	154.6	3.08	168.0	3.48	173.0	3.62	179.8	3.71	184.8	3.72
	41	20.7	131.1	2.30	141.9	2.67	154.6	3.08	168.0	3.48	173.0	3.62	179.8	3.71	184.8	3.72
	50	24.4	131.1	2.30	141.9	2.67	154.6	3.08	168.0	3.48	173.0	3.62	179.8	3.71	184.8	3.72
		30.5	131.1	2.25	141.9	2.63	154.6	3.05	168.0	3.43	173.0	3.56	179.8	3.65	184.8	3.67
		60.9	131.1	2.10	141.9	2.43	154.6	2.85	168.0	3.25	173.0	3.33	179.8	3.42	184.8	3.47
		76.1	131.1	2.05	141.9	2.40	154.6	2.81	168.0	3.16	173.0	3.23	179.8	3.32	184.8	3.37
		91.4	131.1	2.03	141.9	2.37	154.6	2.79	168.0	3.11	173.0	3.18	179.8	3.27	184.8	3.32
	59	24.4	131.1	3.13	141.9	3.63	154.6	4.22	168.0	4.76	173.0	4.88	179.8	5.01	184.8	5.08
		30.5	131.1	3.07	141.9	3.58	154.6	4.15	168.0	4.68	173.0	4.81	179.8	4.93	184.8	5.00
		60.9	131.1	2.83	141.9	3.33	154.6	3.89	168.0	4.40	173.0	4.50	179.8	4.62	184.8	4.68
		76.1	131.1	2.75	141.9	3.26	154.6	3.82	168.0	4.30	173.0	4.40	179.8	4.52	184.8	4.57
		91.4	131.1	2.72	141.9	3.23	154.6	3.78	168.0	4.25	173.0	4.35	179.8	4.47	184.8	4.50
	67	24.4	131.1	3.87	141.9	4.50	154.6	5.23	168.0	5.90	173.0	6.02	179.8	6.16	184.8	6.28
		30.5	131.1	3.80	141.9	4.42	154.6	5.15	168.0	5.80	173.0	5.92	179.8	6.06	184.8	6.18
		60.9	131.1	3.48	141.9	4.13	154.6	4.81	168.0	5.41	173.0	5.53	179.8	5.68	184.8	5.78
		76.1	131.1	3.38	141.9	4.03	154.6	4.71	168.0	5.32	173.0	5.43	179.8	5.58	184.8	5.63
		91.4	131.1	3.33	141.9	3.98	154.6	4.66	168.0	5.27	173.0	5.38	179.8	5.53	184.8	5.55
	75	24.4	131.1	4.70	141.9	5.48	154.6	6.35	168.0	7.17	173.0	7.34	179.8	7.51	184.8	7.66
		30.5	131.1	4.62	141.9	5.38	154.6	6.26	168.0	7.05	173.0	7.23	179.8	7.40	184.8	7.53
		60.9	131.1	4.25	141.9	5.03	154.6	5.87	168.0	6.60	173.0	6.77	179.8	6.93	184.8	7.05
		76.1	131.1	4.13	141.9	4.93	154.6	5.75	168.0	6.48	173.0	6.62	179.8	6.78	184.8	6.86
		91.4	131.1	4.07	141.9	4.88	154.6	5.68	168.0	6.41	173.0	6.55	179.8	6.72	184.8	6.76
	86	24.4	131.1	5.80	141.9	6.73	154.6	7.83	168.0	8.81	173.0	9.03	179.8	9.25	184.8	9.43
		30.5	131.1	5.68	141.9	6.62	154.6	7.71	168.0	8.68	173.0	8.90	179.8	9.11	184.8	9.28
		60.9	131.1	5.22	141.9	6.18	154.6	7.20	168.0	8.12	173.0	8.31	179.8	8.53	184.8	8.68
		76.1	131.1	5.08	141.9	6.06	154.6	7.05	168.0	7.95	173.0	8.17	179.8	8.36	184.8	8.46
		91.4	131.1	5.00	141.9	6.00	154.6	6.98	168.0	7.86	173.0	8.10	179.8	8.28	184.8	8.35
	95	24.4	131.1	6.43	141.9	7.46	154.6	8.73	168.0	9.80	173.0	10.05	179.8	10.28	184.8	10.46
		30.5	131.1	6.30	141.9	7.35	154.6	8.58	168.0	9.64	173.0	9.88	179.8	10.13	184.8	10.30
		60.9	131.1	5.80	141.9	6.88	154.6	8.00	168.0	9.01	173.0	9.23	179.8	9.47	184.8	9.64
		76.1	131.1	5.63	141.9	6.72	154.6	7.85	168.0	8.85	173.0	9.06	179.8	9.30	184.8	9.40
		91.4	131.1	5.55	141.9	6.63	154.6	7.78	168.0	8.76	173.0	8.98	179.8	9.22	184.8	9.28
	104	24.4	131.1	7.62	141.9	8.83	154.6	10.31	168.0	11.62	173.0	11.88	179.8	12.18	184.8	12.40
		30.5	131.1	7.47	141.9	8.70	154.6	10.15	168.0	11.43	173.0	11.70	179.8	11.98	184.8	12.20
		60.9	131.1	6.86	141.9	8.15	154.6	9.50	168.0	10.68	173.0	10.95	179.8	11.21	184.8	11.43
		76.1	131.1	6.67	141.9	7.98	154.6	9.28	168.0	10.46	173.0	10.73	179.8	11.02	184.8	11.11
		91.4	131.1	6.57	141.9	7.88	154.6	9.17	168.0	10.35	173.0	10.62	179.8	10.92	184.8	10.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	24.4	131.1	8.80	141.9	10.21	154.6	11.90	168.0	13.43	173.0	13.72	179.8	14.07	184.8	14.33
		30.5	131.1	8.63	141.9	10.05	154.6	11.72	168.0	13.21	173.0	13.51	179.8	13.85	184.8	14.11
		60.9	131.1	7.93	141.9	9.40	154.6	11.00	168.0	12.35	173.0	12.66	179.8	12.95	184.8	13.21
		76.1	131.1	7.71	141.9	9.23	154.6	10.70	168.0	12.08	173.0	12.40	179.8	12.73	184.8	12.83
		91.4	131.1	7.60	141.9	9.15	154.6	10.56	168.0	11.95	173.0	12.26	179.8	12.63	184.8	12.63
60	23	16.1	112.3	1.82	121.7	2.13	132.5	2.45	144.0	2.82	148.4	2.89	154.1	2.92	158.4	2.97
	32	18.1	112.3	1.82	121.7	2.13	132.5	2.45	144.0	2.82	148.4	2.89	154.1	2.92	158.4	2.97
	41	20.7	112.3	1.82	121.7	2.13	132.5	2.45	144.0	2.82	148.4	2.89	154.1	2.92	158.4	2.97
	50	24.4	112.3	1.82	121.7	2.13	132.5	2.45	144.0	2.82	148.4	2.89	154.1	2.92	158.4	2.97
		30.5	112.3	1.78	121.7	2.09	132.5	2.41	144.0	2.77	148.4	2.83	154.1	2.88	158.4	2.93
		60.9	112.3	1.65	121.7	1.95	132.5	2.30	144.0	2.58	148.4	2.63	154.1	2.72	158.4	2.77
		76.1	112.3	1.58	121.7	1.93	132.5	2.25	144.0	2.53	148.4	2.58	154.1	2.65	158.4	2.70
		91.4	112.3	1.54	121.7	1.92	132.5	2.23	144.0	2.51	148.4	2.55	154.1	2.61	158.4	2.66
	59	24.4	112.3	2.49	121.7	2.90	132.5	3.36	144.0	3.80	148.4	3.91	154.1	3.98	158.4	4.05
		30.5	112.3	2.44	121.7	2.85	132.5	3.31	144.0	3.75	148.4	3.85	154.1	3.92	158.4	3.98
		60.9	112.3	2.25	121.7	2.66	132.5	3.12	144.0	3.50	148.4	3.58	154.1	3.67	158.4	3.75
		76.1	112.3	2.18	121.7	2.61	132.5	3.05	144.0	3.43	148.4	3.50	154.1	3.60	158.4	3.65
		91.4	112.3	2.13	121.7	2.58	132.5	3.01	144.0	3.40	148.4	3.47	154.1	3.56	158.4	3.60
	67	24.4	112.3	3.08	121.7	3.58	132.5	4.18	144.0	4.68	148.4	4.82	154.1	4.91	158.4	5.01
		30.5	112.3	3.02	121.7	3.53	132.5	4.11	144.0	4.62	148.4	4.73	154.1	4.83	158.4	4.93
		60.9	112.3	2.78	121.7	3.28	132.5	3.85	144.0	4.33	148.4	4.42	154.1	4.52	158.4	4.62
		76.1	112.3	2.70	121.7	3.21	132.5	3.75	144.0	4.23	148.4	4.33	154.1	4.45	158.4	4.50
		91.4	112.3	2.67	121.7	3.18	132.5	3.70	144.0	4.18	148.4	4.28	154.1	4.41	158.4	4.43
	75	24.4	112.3	3.75	121.7	4.37	132.5	5.08	144.0	5.72	148.4	5.85	154.1	5.98	158.4	6.11
		30.5	112.3	3.67	121.7	4.30	132.5	5.00	144.0	5.63	148.4	5.75	154.1	5.90	158.4	6.02
		60.9	112.3	3.38	121.7	4.01	132.5	4.66	144.0	5.27	148.4	5.38	154.1	5.53	158.4	5.63
		76.1	112.3	3.28	121.7	3.92	132.5	4.57	144.0	5.15	148.4	5.30	154.1	5.41	158.4	5.48
		91.4	112.3	3.23	121.7	3.87	132.5	4.52	144.0	5.08	148.4	5.25	154.1	5.35	158.4	5.41
	86	24.4	112.3	4.61	121.7	5.35	132.5	6.23	144.0	7.02	148.4	7.20	154.1	7.36	158.4	7.51
		30.5	112.3	4.52	121.7	5.27	132.5	6.13	144.0	6.91	148.4	7.08	154.1	7.25	158.4	7.40
		60.9	112.3	4.15	121.7	4.93	132.5	5.75	144.0	6.48	148.4	6.62	154.1	6.78	158.4	6.91
		76.1	112.3	4.03	121.7	4.83	132.5	5.63	144.0	6.35	148.4	6.50	154.1	6.67	158.4	6.75
		91.4	112.3	3.97	121.7	4.78	132.5	5.57	144.0	6.30	148.4	6.43	154.1	6.61	158.4	6.65
	95	24.4	112.3	5.13	121.7	5.97	132.5	6.95	144.0	7.80	148.4	8.00	154.1	8.20	158.4	8.35
		30.5	112.3	5.03	121.7	5.87	132.5	6.83	144.0	7.68	148.4	7.88	154.1	8.07	158.4	8.21
		60.9	112.3	4.62	121.7	5.48	132.5	6.38	144.0	7.20	148.4	7.37	154.1	7.53	158.4	7.68
		76.1	112.3	4.50	121.7	5.36	132.5	6.26	144.0	7.05	148.4	7.23	154.1	7.42	158.4	7.49
		91.4	112.3	4.43	121.7	5.30	132.5	6.20	144.0	6.98	148.4	7.15	154.1	7.35	158.4	7.40
	104	24.4	112.3	6.06	121.7	7.05	132.5	8.23	144.0	9.26	148.4	9.48	154.1	9.70	158.4	9.90
		30.5	112.3	5.95	121.7	6.93	132.5	8.10	144.0	9.11	148.4	9.33	154.1	9.55	158.4	9.73
		60.9	112.3	5.48	121.7	6.50	132.5	7.56	144.0	8.50	148.4	8.72	154.1	8.94	158.4	9.11
		76.1	112.3	5.32	121.7	6.35	132.5	7.42	144.0	8.33	148.4	8.55	154.1	8.77	158.4	8.87
		91.4	112.3	5.23	121.7	6.28	132.5	7.35	144.0	8.25	148.4	8.47	154.1	8.68	158.4	8.75
	113	24.4	112.3	6.98	121.7	8.12	132.5	9.50	144.0	10.72	148.4	10.95	154.1	11.18	158.4	11.45
		30.5	112.3	6.86	121.7	8.00	132.5	9.35	144.0	10.53	148.4	10.78	154.1	11.02	158.4	11.26
		60.9	112.3	6.35	121.7	7.51	132.5	8.75	144.0	9.81	148.4	10.08	154.1	10.34	158.4	10.53
		76.1	112.3	6.13	121.7	7.35	132.5	8.58	144.0	9.61	148.4	9.88	154.1	10.13	158.4	10.25
		91.4	112.3	6.03	121.7	7.26	132.5	8.50	144.0	9.52	148.4	9.78	154.1	10.01	158.4	10.10
50	23	16.1	93.6	1.35	101.3	1.58	110.3	1.90	120.1	2.07	123.7	2.11	128.4	2.20	132.0	2.22
	32	18.1	93.6	1.35	101.3	1.58	110.3	1.90	120.1	2.07	123.7	2.11	128.4	2.20	132.0	2.22
	41	20.7	93.6	1.35	101.3	1.58	110.3	1.90	120.1	2.07	123.7	2.11	128.4	2.20	132.0	2.22
	50	24.4	93.6	1.35	101.3	1.58	110.3	1.90	120.1	2.07	123.7	2.11	128.4	2.20	132.0	2.22
		30.5	93.6	1.32	101.3	1.55	110.3	1.87	120.1	2.05	123.7	2.09	128.4	2.16	132.0	2.18
		60.9	93.6	1.20	101.3	1.47	110.3	1.72	120.1	1.93	123.7	2.00	128.4	2.00	132.0	2.05
		76.1	93.6	1.18	101.3	1.47	110.3	1.67	120.1	1.88	123.7	1.90	128.4	1.98	132.0	1.97
		91.4	93.6	1.17	101.3	1.47	110.3	1.65	120.1	1.85	123.7	1.85	128.4	1.97	132.0	1.93
	59	24.4	93.6	1.85	101.3	2.16	110.3	2.53	120.1	2.82	123.7	2.90	128.4	2.97	132.0	3.02
		30.5	93.6	1.81	101.3	2.13	110.3	2.49	120.1	2.78	123.7	2.85	128.4	2.92	132.0	2.97
		60.9	93.6	1.67	101.3	1.98	110.3	2.32	120.1	2.61	123.7	2.68	128.4	2.73	132.0	2.78
		76.1	93.6	1.62	101.3	1.95	110.3	2.27	120.1	2.56	123.7	2.61	128.4	2.68	132.0	2.70
		91.4	93.6	1.60	101.3	1.95	110.3	2.25	120.1	2.53	123.7	2.57	128.4	2.65	132.0	2.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	24.4	93.6	2.29	101.3	2.68	110.3	3.10	120.1	3.48	123.7	3.58	128.4	3.65	132.0	3.73
		30.5	93.6	2.25	101.3	2.63	110.3	3.05	120.1	3.43	123.7	3.53	128.4	3.60	132.0	3.67
		60.9	93.6	2.08	101.3	2.44	110.3	2.85	120.1	3.21	123.7	3.28	128.4	3.38	132.0	3.43
		76.1	93.6	2.00	101.3	2.40	110.3	2.80	120.1	3.17	123.7	3.23	128.4	3.31	132.0	3.36
		91.4	93.6	1.97	101.3	2.37	110.3	2.78	120.1	3.14	123.7	3.21	128.4	3.27	132.0	3.32
	75	24.4	93.6	2.78	101.3	3.23	110.3	3.78	120.1	4.28	123.7	4.37	128.4	4.47	132.0	4.53
		30.5	93.6	2.73	101.3	3.19	110.3	3.72	120.1	4.20	123.7	4.30	128.4	4.40	132.0	4.47
		60.9	93.6	2.51	101.3	3.00	110.3	3.48	120.1	3.92	123.7	4.01	128.4	4.11	132.0	4.20
		76.1	93.6	2.44	101.3	2.92	110.3	3.40	120.1	3.85	123.7	3.93	128.4	4.03	132.0	4.08
		91.4	93.6	2.40	101.3	2.88	110.3	3.37	120.1	3.80	123.7	3.90	128.4	4.00	132.0	4.02
	86	24.4	93.6	3.45	101.3	4.00	110.3	4.67	120.1	5.25	123.7	5.38	128.4	5.50	132.0	5.60
		30.5	93.6	3.38	101.3	3.93	110.3	4.60	120.1	5.17	123.7	5.30	128.4	5.41	132.0	5.51
		60.9	93.6	3.10	101.3	3.67	110.3	4.28	120.1	4.83	123.7	4.93	128.4	5.08	132.0	5.15
		76.1	93.6	3.02	101.3	3.60	110.3	4.20	120.1	4.73	123.7	4.85	128.4	4.98	132.0	5.03
		91.4	93.6	2.98	101.3	3.56	110.3	4.17	120.1	4.68	123.7	4.82	128.4	4.93	132.0	4.97
	95	24.4	93.6	3.82	101.3	4.45	110.3	5.18	120.1	5.82	123.7	5.97	128.4	6.11	132.0	6.21
		30.5	93.6	3.75	101.3	4.37	110.3	5.10	120.1	5.73	123.7	5.87	128.4	6.02	132.0	6.11
		60.9	93.6	3.45	101.3	4.08	110.3	4.76	120.1	5.36	123.7	5.48	128.4	5.63	132.0	5.73
		76.1	93.6	3.36	101.3	4.01	110.3	4.66	120.1	5.27	123.7	5.38	128.4	5.53	132.0	5.58
		91.4	93.6	3.31	101.3	3.98	110.3	4.62	120.1	5.22	123.7	5.33	128.4	5.48	132.0	5.51
	104	24.4	93.6	4.53	101.3	5.25	110.3	6.15	120.1	6.90	123.7	7.08	128.4	7.25	132.0	7.36
		30.5	93.6	4.45	101.3	5.17	110.3	6.05	120.1	6.78	123.7	6.96	128.4	7.13	132.0	7.25
		60.9	93.6	4.08	101.3	4.83	110.3	5.63	120.1	6.35	123.7	6.50	128.4	6.67	132.0	6.78
		76.1	93.6	3.96	101.3	4.73	110.3	5.53	120.1	6.23	123.7	6.38	128.4	6.55	132.0	6.60
		91.4	93.6	3.90	101.3	4.68	110.3	5.48	120.1	6.17	123.7	6.32	128.4	6.48	132.0	6.50
	113	24.4	93.6	5.25	101.3	6.07	110.3	7.10	120.1	7.98	123.7	8.18	128.4	8.38	132.0	8.52
		30.5	93.6	5.15	101.3	5.97	110.3	6.98	120.1	7.85	123.7	8.05	128.4	8.23	132.0	8.38
		60.9	93.6	4.71	101.3	5.58	110.3	6.50	120.1	7.35	123.7	7.51	128.4	7.71	132.0	7.85
		76.1	93.6	4.57	101.3	5.46	110.3	6.40	120.1	7.20	123.7	7.37	128.4	7.56	132.0	7.61
		91.4	93.6	4.50	101.3	5.40	110.3	6.35	120.1	7.13	123.7	7.30	128.4	7.48	132.0	7.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	20.1	267.7	5.58	289.9	6.48	315.6	7.58	343.0	8.52	353.4	8.72	367.1	8.94	377.5	9.11
	32	22.5	267.7	5.58	289.9	6.48	315.6	7.58	343.0	8.52	353.4	8.72	367.1	8.94	377.5	9.11
	41	25.8	267.7	5.58	289.9	6.48	315.6	7.58	343.0	8.52	353.4	8.72	367.1	8.94	377.5	9.11
	50	30.4	267.7	5.58	289.9	6.48	315.6	7.58	343.0	8.52	353.4	8.72	367.1	8.94	377.5	9.11
		38.1	267.7	5.47	289.9	6.38	315.6	7.46	343.0	8.38	353.4	8.58	367.1	8.80	377.5	8.97
		76.1	267.7	5.06	289.9	5.98	315.6	6.97	343.0	7.84	353.4	8.04	367.1	8.26	377.5	8.40
		95.1	267.7	4.89	289.9	5.84	315.6	6.82	343.0	7.67	353.4	7.87	367.1	8.07	377.5	8.22
		114.2	267.7	4.81	289.9	5.76	315.6	6.75	343.0	7.59	353.4	7.79	367.1	7.98	377.5	8.13
	59	30.4	263.4	7.33	285.2	8.53	310.6	9.95	337.6	11.19	347.8	11.45	361.2	11.73	371.4	11.94
		38.1	263.4	7.19	285.2	8.39	310.6	9.79	337.6	11.01	347.8	11.27	361.2	11.55	371.4	11.76
		76.1	263.4	6.62	285.2	7.85	310.6	9.15	337.6	10.29	347.8	10.56	361.2	10.84	371.4	11.05
		95.1	263.4	6.44	285.2	7.68	310.6	8.96	337.6	10.09	347.8	10.35	361.2	10.61	371.4	10.80
		114.2	263.4	6.34	285.2	7.59	310.6	8.86	337.6	9.98	347.8	10.25	361.2	10.50	371.4	10.68
	67	30.4	259.6	8.89	281.0	10.35	306.2	12.05	332.8	13.56	342.8	13.88	356.0	14.22	366.0	14.46
		38.1	259.6	8.71	281.0	10.18	306.2	11.86	332.8	13.34	342.8	13.66	356.0	14.00	366.0	14.25
		76.1	259.6	8.02	281.0	9.50	306.2	11.08	332.8	12.48	342.8	12.80	356.0	13.14	366.0	13.40
		95.1	259.6	7.81	281.0	9.32	306.2	10.86	332.8	12.23	342.8	12.55	356.0	12.87	366.0	13.10
		114.2	259.6	7.71	281.0	9.22	306.2	10.75	332.8	12.11	342.8	12.43	356.0	12.74	366.0	12.95
	75	30.4	259.6	10.98	281.0	12.76	306.2	14.86	332.8	16.74	342.8	17.11	356.0	17.55	366.0	17.84
		38.1	259.6	10.76	281.0	12.55	306.2	14.62	332.8	16.47	342.8	16.84	356.0	17.28	366.0	17.58
		76.1	259.6	9.90	281.0	11.72	306.2	13.66	332.8	15.39	342.8	15.77	356.0	16.18	366.0	16.52
		95.1	259.6	9.62	281.0	11.48	306.2	13.38	332.8	15.09	342.8	15.49	356.0	15.88	366.0	16.15
		114.2	259.6	9.48	281.0	11.36	306.2	13.24	332.8	14.94	342.8	15.35	356.0	15.73	366.0	15.96
	86	30.4	259.6	13.17	281.0	15.30	306.2	17.83	332.8	20.09	342.8	20.56	356.0	21.05	366.0	21.42
		38.1	259.6	12.91	281.0	15.05	306.2	17.54	332.8	19.76	342.8	20.23	356.0	20.72	366.0	21.10
		76.1	259.6	11.87	281.0	14.08	306.2	16.39	332.8	18.46	342.8	18.93	356.0	19.42	366.0	19.82
		95.1	259.6	11.54	281.0	13.77	306.2	16.07	332.8	18.10	342.8	18.57	356.0	19.04	366.0	19.36
		114.2	259.6	11.37	281.0	13.63	306.2	15.91	332.8	17.93	342.8	18.40	356.0	18.86	366.0	19.14
	95	30.4	233.6	13.33	253.0	15.47	275.4	18.04	299.4	20.29	308.4	20.79	320.4	21.27	329.4	21.64
		38.1	233.6	13.06	253.0	15.22	275.4	17.75	299.4	19.97	308.4	20.46	320.4	20.94	329.4	21.32
		76.1	233.6	12.01	253.0	14.25	275.4	16.58	299.4	18.67	308.4	19.14	320.4	19.65	329.4	20.04
		95.1	233.6	11.67	253.0	13.93	275.4	16.24	299.4	18.31	308.4	18.78	320.4	19.27	329.4	19.59
		114.2	233.6	11.50	253.0	13.77	275.4	16.07	299.4	18.13	308.4	18.60	320.4	19.08	329.4	19.36
	104	30.4	207.6	14.06	224.8	16.31	244.8	19.01	266.2	21.42	274.2	21.91	284.8	22.44	292.8	22.85
		38.1	207.6	13.77	224.8	16.05	244.8	18.71	266.2	21.08	274.2	21.57	284.8	22.09	292.8	22.51
		76.1	207.6	12.66	224.8	15.02	244.8	17.50	266.2	19.70	274.2	20.19	284.8	20.72	292.8	21.13
		95.1	207.6	12.31	224.8	14.70	244.8	17.12	266.2	19.31	274.2	19.82	284.8	20.32	292.8	20.66
		114.2	207.6	12.13	224.8	14.54	244.8	16.94	266.2	19.11	274.2	19.63	284.8	20.13	292.8	20.43
	113	30.4	181.6	14.78	196.6	17.16	214.2	19.98	233.0	22.55	240.0	23.04	249.2	23.61	256.2	24.06
		38.1	181.6	14.49	196.6	16.88	214.2	19.67	233.0	22.19	240.0	22.68	249.2	23.24	256.2	23.69
		76.1	181.6	13.32	196.6	15.79	214.2	18.42	233.0	20.74	240.0	21.25	249.2	21.79	256.2	22.22
		95.1	181.6	12.95	196.6	15.47	214.2	18.01	233.0	20.30	240.0	20.85	249.2	21.38	256.2	21.74
		114.2	181.6	12.76	196.6	15.31	214.2	17.80	233.0	20.09	240.0	20.65	249.2	21.17	256.2	21.49
120	23	20.1	253.3	5.30	274.4	6.17	298.8	7.15	324.6	8.09	334.6	8.27	347.7	8.47	357.3	8.63
	32	22.5	253.3	5.30	274.4	6.17	298.8	7.15	324.6	8.09	334.6	8.27	347.7	8.47	357.3	8.63
	41	25.8	253.3	5.30	274.4	6.17	298.8	7.15	324.6	8.09	334.6	8.27	347.7	8.47	357.3	8.63
	50	30.4	253.3	5.30	274.4	6.17	298.8	7.15	324.6	8.09	334.6	8.27	347.7	8.47	357.3	8.63
		38.1	253.3	5.19	274.4	6.07	298.8	7.05	324.6	7.96	334.6	8.14	347.7	8.34	357.3	8.50
		76.1	253.3	4.76	274.4	5.67	298.8	6.61	324.6	7.41	334.6	7.61	347.7	7.81	357.3	7.97
		95.1	253.3	4.63	274.4	5.52	298.8	6.45	324.6	7.28	334.6	7.46	347.7	7.68	357.3	7.79
		114.2	253.3	4.57	274.4	5.44	298.8	6.36	324.6	7.22	334.6	7.39	347.7	7.62	357.3	7.70
	59	30.4	250.4	7.03	271.2	8.17	295.4	9.50	321.0	10.71	330.8	10.96	343.6	11.22	353.2	11.43
		38.1	250.4	6.89	271.2	8.04	295.4	9.35	321.0	10.54	330.8	10.78	343.6	11.05	353.2	11.25
		76.1	250.4	6.32	271.2	7.51	295.4	8.75	321.0	9.84	330.8	10.09	343.6	10.35	353.2	10.56
		95.1	250.4	6.15	271.2	7.34	295.4	8.56	321.0	9.65	330.8	9.90	343.6	10.16	353.2	10.31
		114.2	250.4	6.07	271.2	7.25	295.4	8.47	321.0	9.56	330.8	9.80	343.6	10.07	353.2	10.19
	67	30.4	247.8	8.56	268.4	9.95	292.4	11.59	317.8	13.04	327.4	13.35	340.0	13.67	349.6	13.91
		38.1	247.8	8.39	268.4	9.79	292.4	11.40	317.8	12.83	327.4	13.14	340.0	13.46	349.6	13.70
		76.1	247.8	7.72	268.4	9.15	292.4	10.65	317.8	12.01	327.4	12.29	340.0	12.61	349.6	12.85
		95.1	247.8	7.51	268.4	8.96	292.4	10.44	317.8	11.76	327.4	12.06	340.0	12.36	349.6	12.55
		114.2	247.8	7.41	268.4	8.86	292.4	10.34	317.8	11.64	327.4	11.95	340.0	12.24	349.6	12.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	75	30.4	247.8	10.52	268.4	12.22	292.4	14.23	317.8	16.03	327.4	16.41	340.0	16.80	349.6	17.10
		38.1	247.8	10.31	268.4	12.02	292.4	14.00	317.8	15.77	327.4	16.15	340.0	16.54	349.6	16.84
		76.1	247.8	9.48	268.4	11.23	292.4	13.10	317.8	14.75	327.4	15.11	340.0	15.51	349.6	15.81
		95.1	247.8	9.22	268.4	11.01	292.4	12.83	317.8	14.45	327.4	14.83	340.0	15.21	349.6	15.43
		114.2	247.8	9.09	268.4	10.90	292.4	12.70	317.8	14.30	327.4	14.69	340.0	15.06	349.6	15.24
	86	30.4	247.8	12.71	268.4	14.79	292.4	17.22	317.8	19.37	327.4	19.85	340.0	20.32	349.6	20.67
		38.1	247.8	12.46	268.4	14.55	292.4	16.94	317.8	19.06	327.4	19.53	340.0	20.00	349.6	20.36
		76.1	247.8	11.46	268.4	13.59	292.4	15.83	317.8	17.84	327.4	18.27	340.0	18.74	349.6	19.12
		95.1	247.8	11.14	268.4	13.30	292.4	15.51	317.8	17.48	327.4	17.93	340.0	18.39	349.6	18.67
		114.2	247.8	10.98	268.4	13.16	292.4	15.35	317.8	17.30	327.4	17.77	340.0	18.21	349.6	18.44
	95	30.4	226.8	13.04	245.6	15.15	267.6	17.64	290.8	19.88	299.6	20.35	311.2	20.84	320.0	21.19
		38.1	226.8	12.78	245.6	14.90	267.6	17.35	290.8	19.55	299.6	20.02	311.2	20.51	320.0	20.87
		76.1	226.8	11.74	245.6	13.93	267.6	16.22	290.8	18.27	299.6	18.72	311.2	19.21	320.0	19.59
		95.1	226.8	11.42	245.6	13.64	267.6	15.90	290.8	17.91	299.6	18.39	311.2	18.84	320.0	19.12
		114.2	226.8	11.26	245.6	13.50	267.6	15.74	290.8	17.74	299.6	18.22	311.2	18.65	320.0	18.89
	104	30.4	205.8	14.04	222.8	16.29	242.8	19.00	263.8	21.39	271.8	21.90	282.4	22.43	290.2	22.82
		38.1	205.8	13.76	222.8	16.03	242.8	18.69	263.8	21.04	271.8	21.55	282.4	22.07	290.2	22.47
		76.1	205.8	12.65	222.8	15.00	242.8	17.46	263.8	19.67	271.8	20.15	282.4	20.68	290.2	21.08
		95.1	205.8	12.29	222.8	14.68	242.8	17.11	263.8	19.29	271.8	19.78	282.4	20.29	290.2	20.59
		114.2	205.8	12.11	222.8	14.52	242.8	16.93	263.8	19.10	271.8	19.59	282.4	20.09	290.2	20.34
	113	30.4	184.8	15.03	200.0	17.44	218.0	20.36	236.8	22.90	244.0	23.45	253.6	24.01	260.4	24.45
		38.1	184.8	14.73	200.0	17.16	218.0	20.02	236.8	22.53	244.0	23.07	253.6	23.64	260.4	24.07
		76.1	184.8	13.55	200.0	16.07	218.0	18.71	236.8	21.06	244.0	21.58	253.6	22.15	260.4	22.56
		95.1	184.8	13.15	200.0	15.71	218.0	18.31	236.8	20.66	244.0	21.17	253.6	21.74	260.4	22.05
		114.2	184.8	12.96	200.0	15.54	218.0	18.11	236.8	20.47	244.0	20.96	253.6	21.53	260.4	21.80
110	23	20.1	239.2	5.00	258.8	5.80	282.0	6.76	306.4	7.61	315.4	7.81	327.6	7.97	337.0	8.16
	32	22.5	239.2	5.00	258.8	5.80	282.0	6.76	306.4	7.61	315.4	7.81	327.6	7.97	337.0	8.16
	41	25.8	239.2	5.00	258.8	5.80	282.0	6.76	306.4	7.61	315.4	7.81	327.6	7.97	337.0	8.16
	50	30.4	239.2	5.00	258.8	5.80	282.0	6.76	306.4	7.61	315.4	7.81	327.6	7.97	337.0	8.16
		38.1	239.2	4.90	258.8	5.71	282.0	6.65	306.4	7.49	315.4	7.69	327.6	7.85	337.0	8.04
		76.1	239.2	4.50	258.8	5.35	282.0	6.24	306.4	7.00	315.4	7.20	327.6	7.38	337.0	7.53
		95.1	239.2	4.37	258.8	5.24	282.0	6.09	306.4	6.89	315.4	7.05	327.6	7.24	337.0	7.31
		114.2	239.2	4.30	258.8	5.19	282.0	6.02	306.4	6.84	315.4	6.98	327.6	7.16	337.0	7.20
	59	30.4	237.6	6.70	257.2	7.78	280.2	9.06	304.6	10.22	313.6	10.46	325.8	10.70	335.0	10.92
		38.1	237.6	6.57	257.2	7.66	280.2	8.92	304.6	10.05	313.6	10.29	325.8	10.54	335.0	10.75
		76.1	237.6	6.04	257.2	7.17	280.2	8.36	304.6	9.39	313.6	9.63	325.8	9.88	335.0	10.07
		95.1	237.6	5.87	257.2	7.02	280.2	8.17	304.6	9.22	313.6	9.45	325.8	9.69	335.0	9.80
		114.2	237.6	5.79	257.2	6.94	280.2	8.07	304.6	9.14	313.6	9.35	325.8	9.60	335.0	9.67
	67	30.4	236.2	8.22	255.8	9.54	278.6	11.11	303.0	12.53	312.0	12.81	324.2	13.14	333.2	13.36
		38.1	236.2	8.05	255.8	9.39	278.6	10.93	303.0	12.33	312.0	12.61	324.2	12.93	333.2	13.15
		76.1	236.2	7.41	255.8	8.79	278.6	10.24	303.0	11.52	312.0	11.80	324.2	12.10	333.2	12.33
		95.1	236.2	7.21	255.8	8.60	278.6	10.01	303.0	11.29	312.0	11.57	324.2	11.87	333.2	12.02
		114.2	236.2	7.10	255.8	8.51	278.6	9.90	303.0	11.18	312.0	11.46	324.2	11.76	333.2	11.87
	75	30.4	236.2	10.06	255.8	11.69	278.6	13.62	303.0	15.34	312.0	15.70	324.2	16.08	333.2	16.37
		38.1	236.2	9.86	255.8	11.50	278.6	13.40	303.0	15.09	312.0	15.45	324.2	15.83	333.2	16.11
		76.1	236.2	9.07	255.8	10.75	278.6	12.53	303.0	14.11	312.0	14.45	324.2	14.83	333.2	15.09
		95.1	236.2	8.83	255.8	10.52	278.6	12.27	303.0	13.83	312.0	14.17	324.2	14.55	333.2	14.72
		114.2	236.2	8.70	255.8	10.41	278.6	12.14	303.0	13.69	312.0	14.03	324.2	14.41	333.2	14.53
	86	30.4	236.2	12.27	255.8	14.25	278.6	16.61	303.0	18.68	312.0	19.15	324.2	19.60	333.2	19.96
		38.1	236.2	12.02	255.8	14.02	278.6	16.33	303.0	18.39	312.0	18.84	324.2	19.29	333.2	19.65
		76.1	236.2	11.05	255.8	13.12	278.6	15.26	303.0	17.20	312.0	17.61	324.2	18.07	333.2	18.40
		95.1	236.2	10.75	255.8	12.83	278.6	14.96	303.0	16.86	312.0	17.28	324.2	17.73	333.2	17.95
		114.2	236.2	10.60	255.8	12.69	278.6	14.81	303.0	16.69	312.0	17.11	324.2	17.56	333.2	17.73
	95	30.4	220.2	12.75	238.4	14.83	259.6	17.25	282.2	19.43	290.6	19.89	302.0	20.38	310.4	20.74
		38.1	220.2	12.50	238.4	14.58	259.6	16.97	282.2	19.12	290.6	19.57	302.0	20.06	310.4	20.42
		76.1	220.2	11.50	238.4	13.62	259.6	15.88	282.2	17.88	290.6	18.31	302.0	18.78	310.4	19.14
		95.1	220.2	11.18	238.4	13.34	259.6	15.54	282.2	17.52	290.6	17.97	302.0	18.42	310.4	18.67
		114.2	220.2	11.02	238.4	13.20	259.6	15.38	282.2	17.34	290.6	17.80	302.0	18.25	310.4	18.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	30.4	204.0	14.02	221.0	16.28	240.6	18.95	261.6	21.34	269.4	21.86	279.8	22.39	287.6	22.79
		38.1	204.0	13.74	221.0	16.01	240.6	18.65	261.6	21.00	269.4	21.51	279.8	22.04	287.6	22.43
		76.1	204.0	12.63	221.0	14.98	240.6	17.44	261.6	19.65	269.4	20.12	279.8	20.64	287.6	21.02
		95.1	204.0	12.27	221.0	14.66	240.6	17.09	261.6	19.25	269.4	19.74	279.8	20.25	287.6	20.49
		114.2	204.0	12.09	221.0	14.50	240.6	16.91	261.6	19.05	269.4	19.55	279.8	20.05	287.6	20.23
	113	30.4	187.8	15.29	203.6	17.72	221.6	20.66	241.0	23.25	248.2	23.83	257.6	24.39	264.8	24.83
		38.1	187.8	14.98	203.6	17.44	221.6	20.32	241.0	22.88	248.2	23.45	257.6	24.01	264.8	24.44
		76.1	187.8	13.76	203.6	16.33	221.6	19.01	241.0	21.42	248.2	21.92	257.6	22.51	264.8	22.90
		95.1	187.8	13.36	203.6	15.98	221.6	18.63	241.0	20.98	248.2	21.51	257.6	22.07	264.8	22.32
		114.2	187.8	13.16	203.6	15.80	221.6	18.44	241.0	20.77	248.2	21.30	257.6	21.86	264.8	22.03
100	23	20.1	224.6	4.73	243.2	5.48	265.0	6.39	288.0	7.20	296.6	7.37	308.2	7.55	316.8	7.65
	32	22.5	224.6	4.73	243.2	5.48	265.0	6.39	288.0	7.20	296.6	7.37	308.2	7.55	316.8	7.65
	41	25.8	224.6	4.73	243.2	5.48	265.0	6.39	288.0	7.20	296.6	7.37	308.2	7.55	316.8	7.65
	50	30.4	224.6	4.73	243.2	5.48	265.0	6.39	288.0	7.20	296.6	7.37	308.2	7.55	316.8	7.65
		38.1	224.6	4.64	243.2	5.40	265.0	6.28	288.0	7.08	296.6	7.24	308.2	7.42	316.8	7.53
		76.1	224.6	4.26	243.2	5.05	265.0	5.85	288.0	6.61	296.6	6.75	308.2	6.91	316.8	7.04
		95.1	224.6	4.11	243.2	4.92	265.0	5.76	288.0	6.46	296.6	6.65	308.2	6.79	316.8	6.86
		114.2	224.6	4.03	243.2	4.86	265.0	5.72	288.0	6.39	296.6	6.59	308.2	6.72	316.8	6.77
	59	30.4	224.6	6.39	243.2	7.42	265.0	8.65	288.0	9.74	296.6	9.97	308.2	10.22	316.8	10.38
		38.1	224.6	6.27	243.2	7.30	265.0	8.51	288.0	9.58	296.6	9.80	308.2	10.05	316.8	10.22
		76.1	224.6	5.76	243.2	6.83	265.0	7.94	288.0	8.96	296.6	9.16	308.2	9.39	316.8	9.56
		95.1	224.6	5.59	243.2	6.68	265.0	7.79	288.0	8.77	296.6	9.00	308.2	9.22	316.8	9.32
		114.2	224.6	5.50	243.2	6.61	265.0	7.72	288.0	8.68	296.6	8.91	308.2	9.14	316.8	9.19
	67	30.4	224.6	7.87	243.2	9.14	265.0	10.65	288.0	11.99	296.6	12.28	308.2	12.58	316.8	12.81
		38.1	224.6	7.72	243.2	9.00	265.0	10.48	288.0	11.80	296.6	12.08	308.2	12.38	316.8	12.61
		76.1	224.6	7.09	243.2	8.41	265.0	9.80	288.0	11.05	296.6	11.31	308.2	11.59	316.8	11.80
		95.1	224.6	6.91	243.2	8.24	265.0	9.60	288.0	10.82	296.6	11.08	308.2	11.39	316.8	11.50
		114.2	224.6	6.81	243.2	8.16	265.0	9.49	288.0	10.71	296.6	10.97	308.2	11.28	316.8	11.35
	75	30.4	224.6	9.60	243.2	11.15	265.0	13.01	288.0	14.63	296.6	14.97	308.2	15.36	316.8	15.62
		38.1	224.6	9.41	243.2	10.97	265.0	12.80	288.0	14.40	296.6	14.73	308.2	15.11	316.8	15.37
		76.1	224.6	8.66	243.2	10.26	265.0	11.95	288.0	13.46	296.6	13.79	308.2	14.13	316.8	14.40
		95.1	224.6	8.41	243.2	10.05	265.0	11.70	288.0	13.19	296.6	13.53	308.2	13.87	316.8	14.02
		114.2	224.6	8.29	243.2	9.95	265.0	11.58	288.0	13.06	296.6	13.40	308.2	13.74	316.8	13.83
	86	30.4	224.6	11.81	243.2	13.73	265.0	15.99	288.0	18.00	296.6	18.44	308.2	18.87	316.8	19.22
		38.1	224.6	11.57	243.2	13.51	265.0	15.73	288.0	17.71	296.6	18.14	308.2	18.57	316.8	18.91
		76.1	224.6	10.65	243.2	12.63	265.0	14.70	288.0	16.56	296.6	16.96	308.2	17.39	316.8	17.71
		95.1	224.6	10.35	243.2	12.36	265.0	14.40	288.0	16.24	296.6	16.64	308.2	17.07	316.8	17.24
		114.2	224.6	10.20	243.2	12.23	265.0	14.25	288.0	16.08	296.6	16.48	308.2	16.91	316.8	17.00
	95	30.4	213.4	12.46	231.2	14.48	251.8	16.87	273.6	18.99	281.8	19.45	292.8	19.93	301.0	20.29
		38.1	213.4	12.21	231.2	14.25	251.8	16.60	273.6	18.69	281.8	19.14	292.8	19.61	301.0	19.97
		76.1	213.4	11.23	231.2	13.32	251.8	15.53	273.6	17.48	281.8	17.90	292.8	18.35	301.0	18.69
		95.1	213.4	10.93	231.2	13.04	251.8	15.21	273.6	17.14	281.8	17.56	292.8	18.01	301.0	18.20
		114.2	213.4	10.78	231.2	12.90	251.8	15.05	273.6	16.97	281.8	17.39	292.8	17.84	301.0	17.95
	104	30.4	202.2	13.98	219.0	16.26	238.4	18.94	259.2	21.33	267.0	21.82	277.4	22.35	285.2	22.75
		38.1	202.2	13.70	219.0	16.00	238.4	18.63	259.2	20.98	267.0	21.47	277.4	22.00	285.2	22.39
		76.1	202.2	12.61	219.0	14.94	238.4	17.41	259.2	19.61	267.0	20.08	277.4	20.59	285.2	20.96
		95.1	202.2	12.25	219.0	14.62	238.4	17.05	259.2	19.23	267.0	19.70	277.4	20.21	285.2	20.42
		114.2	202.2	12.07	219.0	14.46	238.4	16.87	259.2	19.04	267.0	19.52	277.4	20.02	285.2	20.15
	113	30.4	191.0	15.49	206.8	18.05	225.0	21.01	244.8	23.67	252.2	24.19	262.0	24.78	269.4	25.22
		38.1	191.0	15.19	206.8	17.75	225.0	20.66	244.8	23.28	252.2	23.81	262.0	24.39	269.4	24.82
		76.1	191.0	13.98	206.8	16.56	225.0	19.29	244.8	21.74	252.2	22.26	262.0	22.83	269.4	23.24
		95.1	191.0	13.57	206.8	16.20	225.0	18.89	244.8	21.32	252.2	21.85	262.0	22.41	269.4	22.64
		114.2	191.0	13.36	206.8	16.02	225.0	18.70	244.8	21.11	252.2	21.64	262.0	22.21	269.4	22.34
90	23	20.1	202.2	4.05	219.0	4.71	238.4	5.48	259.2	6.19	267.0	6.31	277.4	6.45	285.2	6.60
	32	22.5	202.2	4.05	219.0	4.71	238.4	5.48	259.2	6.19	267.0	6.31	277.4	6.45	285.2	6.60
	41	25.8	202.2	4.05	219.0	4.71	238.4	5.48	259.2	6.19	267.0	6.31	277.4	6.45	285.2	6.60
	50	30.4	202.2	4.05	219.0	4.71	238.4	5.48	259.2	6.19	267.0	6.31	277.4	6.45	285.2	6.60
		38.1	202.2	3.96	219.0	4.63	238.4	5.39	259.2	6.08	267.0	6.21	277.4	6.35	285.2	6.50
		76.1	202.2	3.64	219.0	4.33	238.4	5.07	259.2	5.66	267.0	5.81	277.4	5.97	285.2	6.08
		95.1	202.2	3.55	219.0	4.22	238.4	4.94	259.2	5.56	267.0	5.70	277.4	5.87	285.2	5.90
		114.2	202.2	3.50	219.0	4.16	238.4	4.88	259.2	5.50	267.0	5.65	277.4	5.81	285.2	5.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	30.4	202.2	5.49	219.0	6.39	238.4	7.44	259.2	8.38	267.0	8.57	277.4	8.78	285.2	8.95
		38.1	202.2	5.38	219.0	6.29	238.4	7.32	259.2	8.24	267.0	8.43	277.4	8.64	285.2	8.81
		76.1	202.2	4.95	219.0	5.87	238.4	6.85	259.2	7.70	267.0	7.88	277.4	8.09	285.2	8.24
		95.1	202.2	4.82	219.0	5.74	238.4	6.70	259.2	7.55	267.0	7.73	277.4	7.94	285.2	8.02
		114.2	202.2	4.75	219.0	5.67	238.4	6.62	259.2	7.47	267.0	7.66	277.4	7.87	285.2	7.90
	67	30.4	202.2	6.78	219.0	7.88	238.4	9.18	259.2	10.33	267.0	10.58	277.4	10.85	285.2	11.03
		38.1	202.2	6.64	219.0	7.75	238.4	9.03	259.2	10.16	267.0	10.41	277.4	10.67	285.2	10.86
		76.1	202.2	6.12	219.0	7.25	238.4	8.43	259.2	9.50	267.0	9.73	277.4	9.97	285.2	10.16
		95.1	202.2	5.95	219.0	7.09	238.4	8.26	259.2	9.32	267.0	9.54	277.4	9.79	285.2	9.90
		114.2	202.2	5.86	219.0	7.02	238.4	8.18	259.2	9.22	267.0	9.45	277.4	9.69	285.2	9.77
	75	30.4	202.2	8.25	219.0	9.60	238.4	11.19	259.2	12.61	267.0	12.89	277.4	13.21	285.2	13.44
		38.1	202.2	8.09	219.0	9.45	238.4	11.01	259.2	12.40	267.0	12.68	277.4	13.00	285.2	13.23
		76.1	202.2	7.45	219.0	8.83	238.4	10.29	259.2	11.59	267.0	11.87	277.4	12.18	285.2	12.38
		95.1	202.2	7.25	219.0	8.64	238.4	10.09	259.2	11.37	267.0	11.65	277.4	11.95	285.2	12.06
		114.2	202.2	7.14	219.0	8.54	238.4	9.98	259.2	11.25	267.0	11.54	277.4	11.84	285.2	11.90
	86	30.4	202.2	10.15	219.0	11.82	238.4	13.75	259.2	15.49	267.0	15.85	277.4	16.26	285.2	16.54
		38.1	202.2	9.95	219.0	11.63	238.4	13.53	259.2	15.24	267.0	15.60	277.4	16.00	285.2	16.28
		76.1	202.2	9.16	219.0	10.86	238.4	12.66	259.2	14.25	267.0	14.60	277.4	14.96	285.2	15.24
		95.1	202.2	8.92	219.0	10.63	238.4	12.40	259.2	13.98	267.0	14.32	277.4	14.70	285.2	14.83
		114.2	202.2	8.80	219.0	10.52	238.4	12.27	259.2	13.85	267.0	14.18	277.4	14.57	285.2	14.62
	95	30.4	196.6	10.96	212.8	12.74	231.8	14.84	252.0	16.72	259.6	17.12	269.6	17.54	277.2	17.84
		38.1	196.6	10.75	212.8	12.53	231.8	14.60	252.0	16.45	259.6	16.84	269.6	17.26	277.2	17.56
		76.1	196.6	9.88	212.8	11.72	231.8	13.66	252.0	15.37	259.6	15.75	269.6	16.15	277.2	16.45
		95.1	196.6	9.62	212.8	11.48	231.8	13.38	252.0	15.07	259.6	15.45	269.6	15.84	277.2	16.01
		114.2	196.6	9.48	212.8	11.36	231.8	13.24	252.0	14.92	259.6	15.30	269.6	15.70	277.2	15.80
	104	30.4	191.0	12.59	206.8	14.63	225.2	17.06	244.8	19.20	252.2	19.66	262.0	20.13	269.2	20.50
		38.1	191.0	12.34	206.8	14.40	225.2	16.79	244.8	18.89	252.2	19.35	262.0	19.82	269.2	20.17
		76.1	191.0	11.37	206.8	13.47	225.2	15.69	244.8	17.67	252.2	18.08	262.0	18.55	269.2	18.89
		95.1	191.0	11.05	206.8	13.17	225.2	15.37	244.8	17.31	252.2	17.75	262.0	18.20	269.2	18.39
		114.2	191.0	10.89	206.8	13.02	225.2	15.22	244.8	17.13	252.2	17.58	262.0	18.02	269.2	18.13
	113	30.4	185.4	14.22	200.8	16.52	218.6	19.28	237.6	21.69	244.8	22.21	254.4	22.73	261.2	23.15
		38.1	185.4	13.94	200.8	16.26	218.6	18.97	237.6	21.34	244.8	21.85	254.4	22.37	261.2	22.79
		76.1	185.4	12.85	200.8	15.22	218.6	17.73	237.6	19.97	244.8	20.42	254.4	20.96	261.2	21.34
		95.1	185.4	12.48	200.8	14.87	218.6	17.37	237.6	19.55	244.8	20.04	254.4	20.55	261.2	20.76
		114.2	185.4	12.29	200.8	14.69	218.6	17.19	237.6	19.35	244.8	19.85	254.4	20.34	261.2	20.47
80	23	20.1	179.8	3.39	194.6	3.96	212.0	4.60	230.4	5.17	237.4	5.30	246.6	5.43	253.4	5.52
	32	22.5	179.8	3.39	194.6	3.96	212.0	4.60	230.4	5.17	237.4	5.30	246.6	5.43	253.4	5.52
	41	25.8	179.8	3.39	194.6	3.96	212.0	4.60	230.4	5.17	237.4	5.30	246.6	5.43	253.4	5.52
	50	30.4	179.8	3.39	194.6	3.96	212.0	4.60	230.4	5.17	237.4	5.30	246.6	5.43	253.4	5.52
		38.1	179.8	3.33	194.6	3.89	212.0	4.53	230.4	5.09	237.4	5.21	246.6	5.34	253.4	5.43
		76.1	179.8	3.08	194.6	3.64	212.0	4.24	230.4	4.76	237.4	4.87	246.6	4.98	253.4	5.09
		95.1	179.8	2.99	194.6	3.55	212.0	4.17	230.4	4.69	237.4	4.80	246.6	4.93	253.4	4.94
		114.2	179.8	2.94	194.6	3.50	212.0	4.13	230.4	4.66	237.4	4.76	246.6	4.90	253.4	4.87
	59	30.4	179.8	4.61	194.6	5.35	212.0	6.23	230.4	7.02	237.4	7.19	246.6	7.36	253.4	7.50
		38.1	179.8	4.52	194.6	5.27	212.0	6.13	230.4	6.91	237.4	7.08	246.6	7.25	253.4	7.38
		76.1	179.8	4.16	194.6	4.93	212.0	5.74	230.4	6.45	237.4	6.61	246.6	6.77	253.4	6.91
		95.1	179.8	4.05	194.6	4.82	212.0	5.63	230.4	6.34	237.4	6.49	246.6	6.66	253.4	6.72
		114.2	179.8	3.99	194.6	4.76	212.0	5.57	230.4	6.29	237.4	6.44	246.6	6.61	253.4	6.62
	67	30.4	179.8	5.68	194.6	6.60	212.0	7.69	230.4	8.67	237.4	8.88	246.6	9.08	253.4	9.26
		38.1	179.8	5.57	194.6	6.49	212.0	7.56	230.4	8.52	237.4	8.73	246.6	8.94	253.4	9.11
		76.1	179.8	5.12	194.6	6.08	212.0	7.08	230.4	7.96	237.4	8.15	246.6	8.37	253.4	8.52
		95.1	179.8	4.99	194.6	5.95	212.0	6.93	230.4	7.81	237.4	8.00	246.6	8.20	253.4	8.30
		114.2	179.8	4.92	194.6	5.88	212.0	6.85	230.4	7.73	237.4	7.92	246.6	8.12	253.4	8.19
	75	30.4	179.8	6.93	194.6	8.05	212.0	9.37	230.4	10.56	237.4	10.80	246.6	11.07	253.4	11.28
		38.1	179.8	6.79	194.6	7.92	212.0	9.22	230.4	10.39	237.4	10.63	246.6	10.90	253.4	11.10
		76.1	179.8	6.25	194.6	7.41	212.0	8.62	230.4	9.71	237.4	9.95	246.6	10.20	253.4	10.39
		95.1	179.8	6.08	194.6	7.25	212.0	8.45	230.4	9.52	237.4	9.77	246.6	10.01	253.4	10.11
		114.2	179.8	5.99	194.6	7.16	212.0	8.37	230.4	9.43	237.4	9.67	246.6	9.92	253.4	9.96

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	30.4	179.8	8.53	194.6	9.91	212.0	11.53	230.4	12.99	237.4	13.29	246.6	13.61	253.4	13.86
		38.1	179.8	8.36	194.6	9.75	212.0	11.35	230.4	12.78	237.4	13.08	246.6	13.40	253.4	13.64
		76.1	179.8	7.68	194.6	9.11	212.0	10.61	230.4	11.95	237.4	12.23	246.6	12.55	253.4	12.78
		95.1	179.8	7.47	194.6	8.92	212.0	10.39	230.4	11.72	237.4	12.01	246.6	12.31	253.4	12.44
		114.2	179.8	7.37	194.6	8.83	212.0	10.28	230.4	11.61	237.4	11.89	246.6	12.19	253.4	12.27
	95	30.4	179.8	9.46	194.6	11.00	212.0	12.81	230.4	14.44	237.4	14.79	246.6	15.15	253.4	15.41
		38.1	179.8	9.28	194.6	10.82	212.0	12.61	230.4	14.21	237.4	14.55	246.6	14.90	253.4	15.17
		76.1	179.8	8.54	194.6	10.12	212.0	11.80	230.4	13.29	237.4	13.59	246.6	13.94	253.4	14.19
		95.1	179.8	8.30	194.6	9.90	212.0	11.55	230.4	13.02	237.4	13.34	246.6	13.68	253.4	13.81
		114.2	179.8	8.18	194.6	9.79	212.0	11.43	230.4	12.89	237.4	13.22	246.6	13.55	253.4	13.63
	104	30.4	179.8	11.21	194.6	13.02	212.0	15.19	230.4	17.10	237.4	17.50	246.6	17.92	253.4	18.24
		38.1	179.8	10.99	194.6	12.82	212.0	14.94	230.4	16.82	237.4	17.22	246.6	17.63	253.4	17.95
		76.1	179.8	10.11	194.6	11.99	212.0	13.96	230.4	15.73	237.4	16.09	246.6	16.50	253.4	16.80
		95.1	179.8	9.82	194.6	11.72	212.0	13.68	230.4	15.41	237.4	15.79	246.6	16.20	253.4	16.37
		114.2	179.8	9.68	194.6	11.59	212.0	13.54	230.4	15.25	237.4	15.64	246.6	16.05	253.4	16.16
	113	30.4	179.8	12.96	194.6	15.05	212.0	17.57	230.4	19.76	237.4	20.22	246.6	20.69	253.4	21.07
		38.1	179.8	12.70	194.6	14.81	212.0	17.28	230.4	19.44	237.4	19.89	246.6	20.36	253.4	20.74
		76.1	179.8	11.67	194.6	13.85	212.0	16.13	230.4	18.18	237.4	18.59	246.6	19.06	253.4	19.42
		95.1	179.8	11.35	194.6	13.55	212.0	15.81	230.4	17.80	237.4	18.23	246.6	18.72	253.4	18.93
		114.2	179.8	11.19	194.6	13.40	212.0	15.65	230.4	17.61	237.4	18.06	246.6	18.56	253.4	18.69
70	23	20.1	157.2	2.80	170.2	3.29	185.4	3.84	201.6	4.31	207.6	4.39	215.8	4.50	221.8	4.60
	32	22.5	157.2	2.80	170.2	3.29	185.4	3.84	201.6	4.31	207.6	4.39	215.8	4.50	221.8	4.60
	41	25.8	157.2	2.80	170.2	3.29	185.4	3.84	201.6	4.31	207.6	4.39	215.8	4.50	221.8	4.60
	50	30.4	157.2	2.80	170.2	3.29	185.4	3.84	201.6	4.31	207.6	4.39	215.8	4.50	221.8	4.60
		38.1	157.2	2.75	170.2	3.24	185.4	3.77	201.6	4.24	207.6	4.33	215.8	4.43	221.8	4.53
		76.1	157.2	2.53	170.2	3.04	185.4	3.49	201.6	3.94	207.6	4.06	215.8	4.16	221.8	4.24
		95.1	157.2	2.46	170.2	2.95	185.4	3.44	201.6	3.89	207.6	3.98	215.8	4.07	221.8	4.13
		114.2	157.2	2.42	170.2	2.90	185.4	3.41	201.6	3.87	207.6	3.95	215.8	4.03	221.8	4.07
	59	30.4	157.2	3.82	170.2	4.46	185.4	5.19	201.6	5.83	207.6	5.97	215.8	6.12	221.8	6.23
		38.1	157.2	3.74	170.2	4.38	185.4	5.10	201.6	5.74	207.6	5.87	215.8	6.02	221.8	6.13
		76.1	157.2	3.44	170.2	4.10	185.4	4.76	201.6	5.36	207.6	5.49	215.8	5.65	221.8	5.74
		95.1	157.2	3.35	170.2	4.01	185.4	4.67	201.6	5.27	207.6	5.40	215.8	5.53	221.8	5.59
		114.2	157.2	3.30	170.2	3.96	185.4	4.62	201.6	5.22	207.6	5.35	215.8	5.48	221.8	5.51
	67	30.4	157.2	4.72	170.2	5.49	185.4	6.39	201.6	7.19	207.6	7.36	215.8	7.55	221.8	7.69
		38.1	157.2	4.63	170.2	5.40	185.4	6.29	201.6	7.08	207.6	7.25	215.8	7.43	221.8	7.56
		76.1	157.2	4.25	170.2	5.04	185.4	5.89	201.6	6.62	207.6	6.77	215.8	6.96	221.8	7.08
		95.1	157.2	4.14	170.2	4.95	185.4	5.76	201.6	6.49	207.6	6.66	215.8	6.83	221.8	6.89
		114.2	157.2	4.08	170.2	4.90	185.4	5.69	201.6	6.43	207.6	6.61	215.8	6.77	221.8	6.79
	75	30.4	157.2	5.76	170.2	6.70	185.4	7.81	201.6	8.78	207.6	8.99	215.8	9.22	221.8	9.37
		38.1	157.2	5.65	170.2	6.59	185.4	7.68	201.6	8.64	207.6	8.84	215.8	9.07	221.8	9.22
		76.1	157.2	5.19	170.2	6.15	185.4	7.17	201.6	8.07	207.6	8.26	215.8	8.49	221.8	8.64
		95.1	157.2	5.04	170.2	6.02	185.4	7.02	201.6	7.92	207.6	8.11	215.8	8.32	221.8	8.41
		114.2	157.2	4.97	170.2	5.96	185.4	6.94	201.6	7.85	207.6	8.04	215.8	8.23	221.8	8.30
	86	30.4	157.2	7.09	170.2	8.22	185.4	9.58	201.6	10.81	207.6	11.05	215.8	11.32	221.8	11.53
		38.1	157.2	6.94	170.2	8.09	185.4	9.43	201.6	10.63	207.6	10.88	215.8	11.14	221.8	11.35
		76.1	157.2	6.38	170.2	7.56	185.4	8.83	201.6	9.94	207.6	10.18	215.8	10.43	221.8	10.61
		95.1	157.2	6.21	170.2	7.41	185.4	8.64	201.6	9.75	207.6	9.97	215.8	10.24	221.8	10.35
		114.2	157.2	6.13	170.2	7.34	185.4	8.54	201.6	9.65	207.6	9.87	215.8	10.14	221.8	10.22
	95	30.4	157.2	7.87	170.2	9.14	185.4	10.65	201.6	11.99	207.6	12.28	215.8	12.58	221.8	12.81
		38.1	157.2	7.72	170.2	9.00	185.4	10.48	201.6	11.80	207.6	12.08	215.8	12.38	221.8	12.61
		76.1	157.2	7.09	170.2	8.41	185.4	9.80	201.6	11.05	207.6	11.31	215.8	11.59	221.8	11.80
		95.1	157.2	6.91	170.2	8.24	185.4	9.60	201.6	10.82	207.6	11.08	215.8	11.37	221.8	11.50
		114.2	157.2	6.81	170.2	8.16	185.4	9.49	201.6	10.71	207.6	10.97	215.8	11.25	221.8	11.35
	104	30.4	157.2	9.33	170.2	10.82	185.4	12.62	201.6	14.21	207.6	14.56	215.8	14.90	221.8	15.16
		38.1	157.2	9.15	170.2	10.65	185.4	12.42	201.6	13.98	207.6	14.32	215.8	14.66	221.8	14.92
		76.1	157.2	8.41	170.2	9.97	185.4	11.61	201.6	13.08	207.6	13.38	215.8	13.72	221.8	13.98
		95.1	157.2	8.17	170.2	9.75	185.4	11.37	201.6	12.82	207.6	13.14	215.8	13.47	221.8	13.61
		114.2	157.2	8.05	170.2	9.64	185.4	11.24	201.6	12.68	207.6	13.01	215.8	13.35	221.8	13.42

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	30.4	157.2	10.79	170.2	12.50	185.4	14.60	201.6	16.43	207.6	16.84	215.8	17.21	221.8	17.51
		38.1	157.2	10.58	170.2	12.31	185.4	14.36	201.6	16.16	207.6	16.56	215.8	16.94	221.8	17.24
		76.1	157.2	9.73	170.2	11.54	185.4	13.42	201.6	15.11	207.6	15.45	215.8	15.84	221.8	16.16
		95.1	157.2	9.43	170.2	11.25	185.4	13.14	201.6	14.81	207.6	15.19	215.8	15.58	221.8	15.71
		114.2	157.2	9.28	170.2	11.11	185.4	12.99	201.6	14.66	207.6	15.06	215.8	15.45	221.8	15.49
60	23	20.1	134.8	2.25	146.0	2.59	159.0	3.06	172.8	3.43	178.0	3.51	184.8	3.58	190.0	3.69
	32	22.5	134.8	2.25	146.0	2.59	159.0	3.06	172.8	3.43	178.0	3.51	184.8	3.58	190.0	3.69
	41	25.8	134.8	2.25	146.0	2.59	159.0	3.06	172.8	3.43	178.0	3.51	184.8	3.58	190.0	3.69
	50	30.4	134.8	2.25	146.0	2.59	159.0	3.06	172.8	3.43	178.0	3.51	184.8	3.58	190.0	3.69
		38.1	134.8	2.21	146.0	2.55	159.0	3.01	172.8	3.37	178.0	3.46	184.8	3.53	190.0	3.62
		76.1	134.8	2.03	146.0	2.39	159.0	2.81	172.8	3.13	178.0	3.24	184.8	3.31	190.0	3.37
		95.1	134.8	1.97	146.0	2.37	159.0	2.75	172.8	3.10	178.0	3.19	184.8	3.24	190.0	3.30
		114.2	134.8	1.95	146.0	2.37	159.0	2.73	172.8	3.08	178.0	3.16	184.8	3.20	190.0	3.26
	59	30.4	134.8	3.05	146.0	3.54	159.0	4.13	172.8	4.65	178.0	4.76	184.8	4.87	190.0	4.97
		38.1	134.8	2.99	146.0	3.48	159.0	4.06	172.8	4.57	178.0	4.69	184.8	4.80	190.0	4.89
		76.1	134.8	2.75	146.0	3.26	159.0	3.80	172.8	4.27	178.0	4.38	184.8	4.50	190.0	4.57
		95.1	134.8	2.67	146.0	3.20	159.0	3.73	172.8	4.20	178.0	4.31	184.8	4.40	190.0	4.46
		114.2	134.8	2.63	146.0	3.17	159.0	3.69	172.8	4.16	178.0	4.27	184.8	4.36	190.0	4.40
	67	30.4	134.8	3.76	146.0	4.38	159.0	5.09	172.8	5.74	178.0	5.87	184.8	6.02	190.0	6.12
		38.1	134.8	3.69	146.0	4.31	159.0	5.01	172.8	5.65	178.0	5.78	184.8	5.93	190.0	6.02
		76.1	134.8	3.39	146.0	4.03	159.0	4.69	172.8	5.29	178.0	5.40	184.8	5.55	190.0	5.65
		95.1	134.8	3.29	146.0	3.93	159.0	4.59	172.8	5.18	178.0	5.31	184.8	5.44	190.0	5.49
		114.2	134.8	3.25	146.0	3.89	159.0	4.54	172.8	5.12	178.0	5.26	184.8	5.38	190.0	5.42
	75	30.4	134.8	4.59	146.0	5.34	159.0	6.22	172.8	7.00	178.0	7.18	184.8	7.35	190.0	7.48
		38.1	134.8	4.50	146.0	5.25	159.0	6.12	172.8	6.89	178.0	7.06	184.8	7.23	190.0	7.36
		76.1	134.8	4.14	146.0	4.91	159.0	5.72	172.8	6.44	178.0	6.59	184.8	6.76	190.0	6.89
		95.1	134.8	4.03	146.0	4.80	159.0	5.61	172.8	6.30	178.0	6.47	184.8	6.64	190.0	6.70
		114.2	134.8	3.97	146.0	4.74	159.0	5.55	172.8	6.24	178.0	6.42	184.8	6.59	190.0	6.61
	86	30.4	134.8	5.64	146.0	6.56	159.0	7.65	172.8	8.61	178.0	8.82	184.8	9.02	190.0	9.20
		38.1	134.8	5.53	146.0	6.45	159.0	7.53	172.8	8.47	178.0	8.68	184.8	8.88	190.0	9.05
		76.1	134.8	5.10	146.0	6.04	159.0	7.04	172.8	7.92	178.0	8.11	184.8	8.32	190.0	8.47
		95.1	134.8	4.95	146.0	5.91	159.0	6.89	172.8	7.77	178.0	7.96	184.8	8.17	190.0	8.24
		114.2	134.8	4.87	146.0	5.84	159.0	6.81	172.8	7.70	178.0	7.89	184.8	8.09	190.0	8.13
	95	30.4	134.8	6.28	146.0	7.29	159.0	8.49	172.8	9.56	178.0	9.79	184.8	10.04	190.0	10.21
		38.1	134.8	6.15	146.0	7.17	159.0	8.36	172.8	9.41	178.0	9.63	184.8	9.88	190.0	10.05
		76.1	134.8	5.66	146.0	6.70	159.0	7.81	172.8	8.81	178.0	9.01	184.8	9.24	190.0	9.41
		95.1	134.8	5.49	146.0	6.57	159.0	7.66	172.8	8.62	178.0	8.84	184.8	9.07	190.0	9.16
		114.2	134.8	5.41	146.0	6.50	159.0	7.58	172.8	8.53	178.0	8.76	184.8	8.99	190.0	9.04
	104	30.4	134.8	7.43	146.0	8.65	159.0	10.06	172.8	11.32	178.0	11.59	184.8	11.88	190.0	12.11
		38.1	134.8	7.28	146.0	8.51	159.0	9.90	172.8	11.14	178.0	11.40	184.8	11.69	190.0	11.91
		76.1	134.8	6.70	146.0	7.94	159.0	9.26	172.8	10.43	178.0	10.67	184.8	10.93	190.0	11.14
		95.1	134.8	6.51	146.0	7.77	159.0	9.07	172.8	10.22	178.0	10.46	184.8	10.75	190.0	10.84
		114.2	134.8	6.42	146.0	7.69	159.0	8.98	172.8	10.12	178.0	10.36	184.8	10.65	190.0	10.69
	113	30.4	134.8	8.58	146.0	10.01	159.0	11.63	172.8	13.08	178.0	13.39	184.8	13.71	190.0	14.00
		38.1	134.8	8.41	146.0	9.84	159.0	11.44	172.8	12.87	178.0	13.17	184.8	13.49	190.0	13.77
		76.1	134.8	7.73	146.0	9.18	159.0	10.71	172.8	12.04	178.0	12.33	184.8	12.63	190.0	12.87
		95.1	134.8	7.53	146.0	8.98	159.0	10.48	172.8	11.82	178.0	12.08	184.8	12.42	190.0	12.51
		114.2	134.8	7.42	146.0	8.87	159.0	10.37	172.8	11.71	178.0	11.96	184.8	12.32	190.0	12.34
50	23	20.1	112.4	1.70	121.6	1.93	132.4	2.26	144.0	2.53	148.4	2.63	154.0	2.66	158.4	2.75
	32	22.5	112.4	1.70	121.6	1.93	132.4	2.26	144.0	2.53	148.4	2.63	154.0	2.66	158.4	2.75
	41	25.8	112.4	1.70	121.6	1.93	132.4	2.26	144.0	2.53	148.4	2.63	154.0	2.66	158.4	2.75
	50	30.4	112.4	1.70	121.6	1.93	132.4	2.26	144.0	2.53	148.4	2.63	154.0	2.66	158.4	2.75
		38.1	112.4	1.67	121.6	1.90	132.4	2.23	144.0	2.50	148.4	2.59	154.0	2.62	158.4	2.70
		76.1	112.4	1.52	121.6	1.79	132.4	2.10	144.0	2.37	148.4	2.43	154.0	2.46	158.4	2.50
		95.1	112.4	1.47	121.6	1.78	132.4	2.07	144.0	2.30	148.4	2.35	154.0	2.43	158.4	2.46
		114.2	112.4	1.44	121.6	1.77	132.4	2.05	144.0	2.26	148.4	2.31	154.0	2.41	158.4	2.45
	59	30.4	112.4	2.29	121.6	2.64	132.4	3.08	144.0	3.46	148.4	3.56	154.0	3.63	158.4	3.71
		38.1	112.4	2.24	121.6	2.60	132.4	3.03	144.0	3.41	148.4	3.50	154.0	3.58	158.4	3.65
		76.1	112.4	2.05	121.6	2.43	132.4	2.84	144.0	3.20	148.4	3.27	154.0	3.35	158.4	3.41
		95.1	112.4	1.99	121.6	2.39	132.4	2.79	144.0	3.12	148.4	3.20	154.0	3.29	158.4	3.33
		114.2	112.4	1.97	121.6	2.37	132.4	2.76	144.0	3.09	148.4	3.16	154.0	3.27	158.4	3.29

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	30.4	112.4	2.80	121.6	3.27	132.4	3.81	144.0	4.29	148.4	4.38	154.0	4.49	158.4	4.57
		38.1	112.4	2.75	121.6	3.22	132.4	3.74	144.0	4.22	148.4	4.31	154.0	4.42	158.4	4.50
		76.1	112.4	2.52	121.6	2.99	132.4	3.50	144.0	3.93	148.4	4.03	154.0	4.14	158.4	4.22
		95.1	112.4	2.47	121.6	2.94	132.4	3.42	144.0	3.86	148.4	3.95	154.0	4.06	158.4	4.10
		114.2	112.4	2.44	121.6	2.91	132.4	3.39	144.0	3.82	148.4	3.91	154.0	4.03	158.4	4.05
	75	30.4	112.4	3.42	121.6	3.98	132.4	4.63	144.0	5.22	148.4	5.34	154.0	5.47	158.4	5.56
		38.1	112.4	3.35	121.6	3.91	132.4	4.55	144.0	5.14	148.4	5.25	154.0	5.38	158.4	5.48
		76.1	112.4	3.09	121.6	3.65	132.4	4.27	144.0	4.80	148.4	4.91	154.0	5.04	158.4	5.14
		95.1	112.4	2.99	121.6	3.58	132.4	4.18	144.0	4.70	148.4	4.82	154.0	4.95	158.4	5.01
		114.2	112.4	2.95	121.6	3.54	132.4	4.13	144.0	4.66	148.4	4.77	154.0	4.90	158.4	4.94
	86	30.4	112.4	4.20	121.6	4.90	132.4	5.70	144.0	6.43	148.4	6.58	154.0	6.73	158.4	6.85
		38.1	112.4	4.12	121.6	4.82	132.4	5.61	144.0	6.32	148.4	6.47	154.0	6.62	158.4	6.74
		76.1	112.4	3.80	121.6	4.50	132.4	5.25	144.0	5.91	148.4	6.04	154.0	6.21	158.4	6.30
		95.1	112.4	3.69	121.6	4.40	132.4	5.14	144.0	5.80	148.4	5.93	154.0	6.08	158.4	6.15
		114.2	112.4	3.63	121.6	4.36	132.4	5.08	144.0	5.74	148.4	5.87	154.0	6.01	158.4	6.08
	95	30.4	112.4	4.69	121.6	5.43	132.4	6.33	144.0	7.13	148.4	7.31	154.0	7.48	158.4	7.61
		38.1	112.4	4.59	121.6	5.34	132.4	6.23	144.0	7.02	148.4	7.19	154.0	7.36	158.4	7.49
		76.1	112.4	4.22	121.6	5.01	132.4	5.83	144.0	6.57	148.4	6.72	154.0	6.89	158.4	7.02
		95.1	112.4	4.10	121.6	4.89	132.4	5.70	144.0	6.44	148.4	6.59	154.0	6.76	158.4	6.83
		114.2	112.4	4.05	121.6	4.84	132.4	5.64	144.0	6.37	148.4	6.52	154.0	6.69	158.4	6.74
	104	30.4	112.4	5.55	121.6	6.45	132.4	7.50	144.0	8.46	148.4	8.64	154.0	8.85	158.4	9.03
		38.1	112.4	5.44	121.6	6.34	132.4	7.38	144.0	8.32	148.4	8.51	154.0	8.71	158.4	8.88
		76.1	112.4	4.99	121.6	5.93	132.4	6.91	144.0	7.77	148.4	7.96	154.0	8.17	158.4	8.30
		95.1	112.4	4.86	121.6	5.80	132.4	6.76	144.0	7.62	148.4	7.81	154.0	8.00	158.4	8.09
		114.2	112.4	4.79	121.6	5.73	132.4	6.68	144.0	7.55	148.4	7.73	154.0	7.91	158.4	7.99
	113	30.4	112.4	6.42	121.6	7.46	132.4	8.66	144.0	9.78	148.4	9.98	154.0	10.22	158.4	10.45
		38.1	112.4	6.29	121.6	7.34	132.4	8.52	144.0	9.62	148.4	9.82	154.0	10.07	158.4	10.27
		76.1	112.4	5.76	121.6	6.85	132.4	7.98	144.0	8.98	148.4	9.20	154.0	9.45	158.4	9.58
		95.1	112.4	5.61	121.6	6.70	132.4	7.81	144.0	8.81	148.4	9.03	154.0	9.24	158.4	9.35
		114.2	112.4	5.53	121.6	6.62	132.4	7.73	144.0	8.72	148.4	8.95	154.0	9.14	158.4	9.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	24.2	312.3	6.51	338.2	7.56	368.1	8.84	400.2	9.94	412.3	10.17	428.2	10.43	440.4	10.63
	32	27.1	312.3	6.51	338.2	7.56	368.1	8.84	400.2	9.94	412.3	10.17	428.2	10.43	440.4	10.63
	41	31.1	312.3	6.51	338.2	7.56	368.1	8.84	400.2	9.94	412.3	10.17	428.2	10.43	440.4	10.63
	50	36.6	312.3	6.51	338.2	7.56	368.1	8.84	400.2	9.94	412.3	10.17	428.2	10.43	440.4	10.63
		45.7	312.3	6.39	338.2	7.45	368.1	8.70	400.2	9.78	412.3	10.01	428.2	10.27	440.4	10.46
		91.4	312.3	5.90	338.2	6.98	368.1	8.13	400.2	9.14	412.3	9.38	428.2	9.63	440.4	9.80
		114.3	312.3	5.71	338.2	6.81	368.1	7.96	400.2	8.95	412.3	9.19	428.2	9.42	440.4	9.59
		137.1	312.3	5.61	338.2	6.72	368.1	7.87	400.2	8.86	412.3	9.09	428.2	9.31	440.4	9.48
	59	36.6	307.3	8.55	332.7	9.95	362.4	11.60	393.9	13.05	405.8	13.36	421.4	13.69	433.3	13.93
		45.7	307.3	8.39	332.7	9.79	362.4	11.42	393.9	12.84	405.8	13.15	421.4	13.48	433.3	13.72
		91.4	307.3	7.73	332.7	9.16	362.4	10.67	393.9	12.01	405.8	12.32	421.4	12.65	433.3	12.89
		114.3	307.3	7.51	332.7	8.96	362.4	10.45	393.9	11.77	405.8	12.08	421.4	12.38	433.3	12.60
		137.1	307.3	7.40	332.7	8.86	362.4	10.34	393.9	11.65	405.8	11.95	421.4	12.25	433.3	12.46
	67	36.6	302.9	10.37	327.8	12.08	357.2	14.06	388.3	15.82	399.9	16.19	415.3	16.59	427.0	16.87
		45.7	302.9	10.16	327.8	11.88	357.2	13.83	388.3	15.57	399.9	15.94	415.3	16.33	427.0	16.62
		91.4	302.9	9.35	327.8	11.09	357.2	12.93	388.3	14.56	399.9	14.93	415.3	15.32	427.0	15.63
		114.3	302.9	9.11	327.8	10.87	357.2	12.67	388.3	14.27	399.9	14.64	415.3	15.02	427.0	15.28
		137.1	302.9	8.99	327.8	10.76	357.2	12.54	388.3	14.13	399.9	14.50	415.3	14.86	427.0	15.11
	75	36.6	302.9	12.81	327.8	14.89	357.2	17.34	388.3	19.53	399.9	19.97	415.3	20.48	427.0	20.82
		45.7	302.9	12.56	327.8	14.64	357.2	17.06	388.3	19.21	399.9	19.65	415.3	20.15	427.0	20.51
		91.4	302.9	11.55	327.8	13.68	357.2	15.94	388.3	17.96	399.9	18.40	415.3	18.88	427.0	19.28
		114.3	302.9	11.22	327.8	13.39	357.2	15.61	388.3	17.61	399.9	18.07	415.3	18.53	427.0	18.84
		137.1	302.9	11.05	327.8	13.25	357.2	15.45	388.3	17.43	399.9	17.90	415.3	18.35	427.0	18.62
	86	36.6	302.9	15.37	327.8	17.85	357.2	20.80	388.3	23.43	399.9	23.98	415.3	24.55	427.0	24.99
		45.7	302.9	15.06	327.8	17.56	357.2	20.46	388.3	23.05	399.9	23.60	415.3	24.17	427.0	24.61
		91.4	302.9	13.85	327.8	16.42	357.2	19.12	388.3	21.54	399.9	22.09	415.3	22.66	427.0	23.12
		114.3	302.9	13.46	327.8	16.07	357.2	18.75	388.3	21.12	399.9	21.67	415.3	22.22	427.0	22.59
		137.1	302.9	13.26	327.8	15.90	357.2	18.56	388.3	20.91	399.9	21.46	415.3	22.00	427.0	22.33
	95	36.6	272.5	15.55	295.2	18.05	321.3	21.05	349.3	23.68	359.8	24.25	373.8	24.82	384.3	25.25
		45.7	272.5	15.24	295.2	17.76	321.3	20.70	349.3	23.29	359.8	23.86	373.8	24.44	384.3	24.87
		91.4	272.5	14.01	295.2	16.62	321.3	19.34	349.3	21.78	359.8	22.33	373.8	22.92	384.3	23.38
		114.3	272.5	13.61	295.2	16.25	321.3	18.95	349.3	21.36	359.8	21.91	373.8	22.48	384.3	22.85
		137.1	272.5	13.42	295.2	16.06	321.3	18.75	349.3	21.15	359.8	21.70	373.8	22.26	384.3	22.59
	104	36.6	242.2	16.40	262.3	19.03	285.6	22.18	310.6	24.99	319.9	25.56	332.3	26.18	341.6	26.66
		45.7	242.2	16.07	262.3	18.73	285.6	21.82	310.6	24.59	319.9	25.16	332.3	25.77	341.6	26.26
		91.4	242.2	14.78	262.3	17.52	285.6	20.42	310.6	22.99	319.9	23.56	332.3	24.17	341.6	24.65
		114.3	242.2	14.36	262.3	17.15	285.6	19.98	310.6	22.53	319.9	23.12	332.3	23.71	341.6	24.11
		137.1	242.2	14.15	262.3	16.96	285.6	19.76	310.6	22.30	319.9	22.90	332.3	23.48	341.6	23.83
	113	36.6	211.9	17.25	229.4	20.01	249.9	23.31	271.8	26.31	280.0	26.88	290.7	27.54	298.9	28.07
		45.7	211.9	16.91	229.4	19.69	249.9	22.94	271.8	25.88	280.0	26.46	290.7	27.11	298.9	27.64
		91.4	211.9	15.54	229.4	18.42	249.9	21.49	271.8	24.19	280.0	24.79	290.7	25.42	298.9	25.93
		114.3	211.9	15.10	229.4	18.05	249.9	21.01	271.8	23.69	280.0	24.33	290.7	24.94	298.9	25.36
		137.1	211.9	14.89	229.4	17.86	249.9	20.77	271.8	23.44	280.0	24.10	290.7	24.70	298.9	25.07
120	23	24.2	295.5	6.19	320.1	7.20	348.6	8.35	378.7	9.44	390.4	9.65	405.6	9.88	416.8	10.07
	32	27.1	295.5	6.19	320.1	7.20	348.6	8.35	378.7	9.44	390.4	9.65	405.6	9.88	416.8	10.07
	41	31.1	295.5	6.19	320.1	7.20	348.6	8.35	378.7	9.44	390.4	9.65	405.6	9.88	416.8	10.07
	50	36.6	295.5	6.19	320.1	7.20	348.6	8.35	378.7	9.44	390.4	9.65	405.6	9.88	416.8	10.07
		45.7	295.5	6.06	320.1	7.08	348.6	8.22	378.7	9.28	390.4	9.49	405.6	9.73	416.8	9.92
		91.4	295.5	5.55	320.1	6.61	348.6	7.71	378.7	8.64	390.4	8.88	405.6	9.11	416.8	9.30
		114.3	295.5	5.40	320.1	6.44	348.6	7.52	378.7	8.50	390.4	8.71	405.6	8.97	416.8	9.09
		137.1	295.5	5.33	320.1	6.35	348.6	7.42	378.7	8.42	390.4	8.62	405.6	8.89	416.8	8.99
	59	36.6	292.1	8.20	316.4	9.53	344.6	11.09	374.5	12.50	385.9	12.79	400.9	13.09	412.1	13.33
		45.7	292.1	8.04	316.4	9.37	344.6	10.91	374.5	12.29	385.9	12.58	400.9	12.89	412.1	13.13
		91.4	292.1	7.38	316.4	8.76	344.6	10.21	374.5	11.48	385.9	11.77	400.9	12.08	412.1	12.32
		114.3	292.1	7.18	316.4	8.56	344.6	9.99	374.5	11.26	385.9	11.55	400.9	11.86	412.1	12.03
		137.1	292.1	7.08	316.4	8.46	344.6	9.88	374.5	11.15	385.9	11.44	400.9	11.75	412.1	11.89
	67	36.6	289.1	9.99	313.1	11.60	341.1	13.53	370.8	15.22	382.0	15.57	396.7	15.95	407.9	16.23
		45.7	289.1	9.79	313.1	11.42	341.1	13.30	370.8	14.97	382.0	15.32	396.7	15.70	407.9	15.98
		91.4	289.1	9.00	313.1	10.67	341.1	12.43	370.8	14.01	382.0	14.34	396.7	14.71	407.9	14.99
		114.3	289.1	8.76	313.1	10.45	341.1	12.18	370.8	13.72	382.0	14.07	396.7	14.42	407.9	14.64
		137.1	289.1	8.64	313.1	10.34	341.1	12.06	370.8	13.58	382.0	13.94	396.7	14.28	407.9	14.47

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	36.6	289.1	12.28	313.1	14.26	341.1	16.60	370.8	18.70	382.0	19.14	396.7	19.60	407.9	19.95
		45.7	289.1	12.03	313.1	14.03	341.1	16.33	370.8	18.40	382.0	18.84	396.7	19.30	407.9	19.65
		91.4	289.1	11.07	313.1	13.11	341.1	15.28	370.8	17.21	382.0	17.63	396.7	18.09	407.9	18.44
		114.3	289.1	10.76	313.1	12.84	341.1	14.97	370.8	16.86	382.0	17.30	396.7	17.74	407.9	18.00
		137.1	289.1	10.60	313.1	12.71	341.1	14.82	370.8	16.69	382.0	17.14	396.7	17.56	407.9	17.78
	86	36.6	289.1	14.83	313.1	17.25	341.1	20.09	370.8	22.60	382.0	23.16	396.7	23.71	407.9	24.12
		45.7	289.1	14.53	313.1	16.97	341.1	19.76	370.8	22.24	382.0	22.79	396.7	23.34	407.9	23.75
		91.4	289.1	13.37	313.1	15.85	341.1	18.46	370.8	20.81	382.0	21.32	396.7	21.87	407.9	22.31
		114.3	289.1	13.00	313.1	15.52	341.1	18.09	370.8	20.40	382.0	20.92	396.7	21.45	407.9	21.78
		137.1	289.1	12.81	313.1	15.36	341.1	17.90	370.8	20.19	382.0	20.73	396.7	21.24	407.9	21.52
	95	36.6	264.6	15.21	286.5	17.68	312.2	20.57	339.3	23.19	349.5	23.74	363.1	24.31	373.3	24.72
		45.7	264.6	14.91	286.5	17.39	312.2	20.24	339.3	22.81	349.5	23.36	363.1	23.93	373.3	24.35
		91.4	264.6	13.70	286.5	16.25	312.2	18.92	339.3	21.32	349.5	21.84	363.1	22.42	373.3	22.85
		114.3	264.6	13.33	286.5	15.92	312.2	18.55	339.3	20.90	349.5	21.45	363.1	21.98	373.3	22.31
		137.1	264.6	13.14	286.5	15.75	312.2	18.37	339.3	20.69	349.5	21.25	363.1	21.76	373.3	22.03
	104	36.6	240.1	16.38	259.9	19.01	283.3	22.16	307.8	24.95	317.1	25.55	329.5	26.16	338.6	26.62
		45.7	240.1	16.05	259.9	18.71	283.3	21.80	307.8	24.55	317.1	25.14	329.5	25.75	338.6	26.21
		91.4	240.1	14.75	259.9	17.50	283.3	20.37	307.8	22.94	317.1	23.51	329.5	24.13	338.6	24.59
		114.3	240.1	14.34	259.9	17.12	283.3	19.96	307.8	22.50	317.1	23.07	329.5	23.67	338.6	24.02
		137.1	240.1	14.13	259.9	16.94	283.3	19.75	307.8	22.28	317.1	22.86	329.5	23.44	338.6	23.73
	113	36.6	215.6	17.54	233.3	20.34	254.3	23.75	276.3	26.71	284.7	27.35	295.9	28.01	303.8	28.52
		45.7	215.6	17.19	233.3	20.02	254.3	23.36	276.3	26.28	284.7	26.92	295.9	27.57	303.8	28.08
		91.4	215.6	15.81	233.3	18.75	254.3	21.82	276.3	24.57	284.7	25.18	295.9	25.84	303.8	26.32
		114.3	215.6	15.35	233.3	18.33	254.3	21.36	276.3	24.11	284.7	24.70	295.9	25.36	303.8	25.73
		137.1	215.6	15.12	233.3	18.12	254.3	21.13	276.3	23.88	284.7	24.46	295.9	25.12	303.8	25.44
110	23	24.2	279.0	5.83	301.9	6.77	329.0	7.89	357.5	8.88	368.0	9.12	382.2	9.30	393.2	9.52
	32	27.1	279.0	5.83	301.9	6.77	329.0	7.89	357.5	8.88	368.0	9.12	382.2	9.30	393.2	9.52
	41	31.1	279.0	5.83	301.9	6.77	329.0	7.89	357.5	8.88	368.0	9.12	382.2	9.30	393.2	9.52
	50	36.6	279.0	5.83	301.9	6.77	329.0	7.89	357.5	8.88	368.0	9.12	382.2	9.30	393.2	9.52
		45.7	279.0	5.71	301.9	6.66	329.0	7.76	357.5	8.74	368.0	8.97	382.2	9.16	393.2	9.37
		91.4	279.0	5.24	301.9	6.24	329.0	7.28	357.5	8.16	368.0	8.40	382.2	8.61	393.2	8.78
		114.3	279.0	5.10	301.9	6.11	329.0	7.11	357.5	8.04	368.0	8.23	382.2	8.44	393.2	8.52
		137.1	279.0	5.02	301.9	6.05	329.0	7.02	357.5	7.98	368.0	8.15	382.2	8.36	393.2	8.40
	59	36.6	277.2	7.82	300.1	9.08	326.9	10.57	355.4	11.92	365.9	12.20	380.1	12.49	390.8	12.74
		45.7	277.2	7.66	300.1	8.94	326.9	10.41	355.4	11.72	365.9	12.01	380.1	12.29	390.8	12.54
		91.4	277.2	7.05	300.1	8.36	326.9	9.75	355.4	10.96	365.9	11.24	380.1	11.53	390.8	11.75
		114.3	277.2	6.85	300.1	8.19	326.9	9.53	355.4	10.76	365.9	11.02	380.1	11.31	390.8	11.44
		137.1	277.2	6.75	300.1	8.10	326.9	9.42	355.4	10.66	365.9	10.91	380.1	11.20	390.8	11.29
	67	36.6	275.6	9.59	298.4	11.13	325.0	12.96	353.5	14.62	364.0	14.95	378.2	15.33	388.7	15.59
		45.7	275.6	9.40	298.4	10.96	325.0	12.76	353.5	14.38	364.0	14.71	378.2	15.08	388.7	15.35
		91.4	275.6	8.65	298.4	10.25	325.0	11.94	353.5	13.44	364.0	13.77	378.2	14.12	388.7	14.38
		114.3	275.6	8.41	298.4	10.03	325.0	11.68	353.5	13.17	364.0	13.50	378.2	13.85	388.7	14.03
		137.1	275.6	8.29	298.4	9.92	325.0	11.55	353.5	13.04	364.0	13.37	378.2	13.72	388.7	13.85
	75	36.6	275.6	11.74	298.4	13.64	325.0	15.89	353.5	17.90	364.0	18.32	378.2	18.76	388.7	19.09
		45.7	275.6	11.50	298.4	13.41	325.0	15.63	353.5	17.61	364.0	18.02	378.2	18.46	388.7	18.79
		91.4	275.6	10.58	298.4	12.54	325.0	14.62	353.5	16.47	364.0	16.86	378.2	17.30	388.7	17.61
		114.3	275.6	10.30	298.4	12.27	325.0	14.31	353.5	16.14	364.0	16.53	378.2	16.97	388.7	17.17
		137.1	275.6	10.15	298.4	12.14	325.0	14.16	353.5	15.97	364.0	16.37	378.2	16.81	388.7	16.95
	86	36.6	275.6	14.32	298.4	16.62	325.0	19.37	353.5	21.80	364.0	22.34	378.2	22.86	388.7	23.29
		45.7	275.6	14.03	298.4	16.36	325.0	19.06	353.5	21.45	364.0	21.98	378.2	22.50	388.7	22.92
		91.4	275.6	12.89	298.4	15.30	325.0	17.81	353.5	20.07	364.0	20.55	378.2	21.08	388.7	21.47
		114.3	275.6	12.54	298.4	14.97	325.0	17.45	353.5	19.67	364.0	20.15	378.2	20.68	388.7	20.94
		137.1	275.6	12.36	298.4	14.81	325.0	17.28	353.5	19.47	364.0	19.96	378.2	20.48	388.7	20.68
	95	36.6	256.9	14.87	278.1	17.30	302.9	20.12	329.2	22.67	339.0	23.20	352.3	23.78	362.1	24.20
		45.7	256.9	14.58	278.1	17.01	302.9	19.80	329.2	22.31	339.0	22.83	352.3	23.40	362.1	23.82
		91.4	256.9	13.41	278.1	15.90	302.9	18.53	329.2	20.86	339.0	21.36	352.3	21.91	362.1	22.33
		114.3	256.9	13.04	278.1	15.57	302.9	18.13	329.2	20.44	339.0	20.97	352.3	21.49	362.1	21.78
		137.1	256.9	12.86	278.1	15.40	302.9	17.94	329.2	20.23	339.0	20.77	352.3	21.29	362.1	21.51

TC = Total Capacity (MBh).
PI = Power Input (kW) (includes compressor and controls).
The System Combination Ratio must be between 50–130%.
Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.
Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	36.6	238.0	16.35	257.8	18.99	280.7	22.11	305.2	24.90	314.3	25.50	326.4	26.12	335.5	26.59
		45.7	238.0	16.03	257.8	18.68	280.7	21.76	305.2	24.50	314.3	25.09	326.4	25.71	335.5	26.17
		91.4	238.0	14.73	257.8	17.48	280.7	20.35	305.2	22.92	314.3	23.47	326.4	24.08	335.5	24.52
		114.3	238.0	14.31	257.8	17.10	280.7	19.93	305.2	22.46	314.3	23.03	326.4	23.62	335.5	23.91
		137.1	238.0	14.11	257.8	16.92	280.7	19.73	305.2	22.23	314.3	22.81	326.4	23.39	335.5	23.60
	113	36.6	219.1	17.84	237.5	20.68	258.5	24.10	281.2	27.13	289.6	27.80	300.5	28.46	308.9	28.97
		45.7	219.1	17.48	237.5	20.35	258.5	23.71	281.2	26.70	289.6	27.36	300.5	28.01	308.9	28.52
		91.4	219.1	16.05	237.5	19.06	258.5	22.17	281.2	24.98	289.6	25.58	300.5	26.26	308.9	26.72
		114.3	219.1	15.59	237.5	18.64	258.5	21.74	281.2	24.48	289.6	25.09	300.5	25.75	308.9	26.04
		137.1	219.1	15.36	237.5	18.43	258.5	21.52	281.2	24.23	289.6	24.85	300.5	25.50	308.9	25.70
100	23	24.2	262.0	5.52	283.7	6.40	309.2	7.46	336.0	8.40	346.0	8.59	359.6	8.81	369.6	8.93
	32	27.1	262.0	5.52	283.7	6.40	309.2	7.46	336.0	8.40	346.0	8.59	359.6	8.81	369.6	8.93
	41	31.1	262.0	5.52	283.7	6.40	309.2	7.46	336.0	8.40	346.0	8.59	359.6	8.81	369.6	8.93
	50	36.6	262.0	5.52	283.7	6.40	309.2	7.46	336.0	8.40	346.0	8.59	359.6	8.81	369.6	8.93
		45.7	262.0	5.41	283.7	6.30	309.2	7.33	336.0	8.26	346.0	8.45	359.6	8.66	369.6	8.78
		91.4	262.0	4.96	283.7	5.89	309.2	6.82	336.0	7.71	346.0	7.88	359.6	8.07	369.6	8.21
		114.3	262.0	4.79	283.7	5.74	309.2	6.72	336.0	7.54	346.0	7.75	359.6	7.92	369.6	8.00
		137.1	262.0	4.71	283.7	5.67	309.2	6.67	336.0	7.45	346.0	7.69	359.6	7.84	369.6	7.90
	59	36.6	262.0	7.46	283.7	8.66	309.2	10.09	336.0	11.36	346.0	11.63	359.6	11.92	369.6	12.12
		45.7	262.0	7.31	283.7	8.52	309.2	9.92	336.0	11.17	346.0	11.44	359.6	11.72	369.6	11.92
		91.4	262.0	6.72	283.7	7.97	309.2	9.26	336.0	10.45	346.0	10.69	359.6	10.96	369.6	11.15
		114.3	262.0	6.52	283.7	7.79	309.2	9.09	336.0	10.23	346.0	10.49	359.6	10.76	369.6	10.87
		137.1	262.0	6.42	283.7	7.71	309.2	9.00	336.0	10.12	346.0	10.40	359.6	10.66	369.6	10.73
	67	36.6	262.0	9.18	283.7	10.67	309.2	12.43	336.0	13.99	346.0	14.32	359.6	14.68	369.6	14.95
		45.7	262.0	9.00	283.7	10.49	309.2	12.23	336.0	13.77	346.0	14.09	359.6	14.45	369.6	14.71
		91.4	262.0	8.28	283.7	9.81	309.2	11.44	336.0	12.89	346.0	13.19	359.6	13.52	369.6	13.77
		114.3	262.0	8.06	283.7	9.62	309.2	11.20	336.0	12.62	346.0	12.93	359.6	13.28	369.6	13.41
		137.1	262.0	7.95	283.7	9.52	309.2	11.08	336.0	12.49	346.0	12.80	359.6	13.16	369.6	13.24
	75	36.6	262.0	11.20	283.7	13.01	309.2	15.18	336.0	17.07	346.0	17.47	359.6	17.92	369.6	18.23
		45.7	262.0	10.98	283.7	12.80	309.2	14.93	336.0	16.80	346.0	17.19	359.6	17.63	369.6	17.94
		91.4	262.0	10.10	283.7	11.97	309.2	13.94	336.0	15.70	346.0	16.09	359.6	16.49	369.6	16.80
		114.3	262.0	9.81	283.7	11.72	309.2	13.66	336.0	15.39	346.0	15.79	359.6	16.18	369.6	16.36
		137.1	262.0	9.67	283.7	11.60	309.2	13.51	336.0	15.24	346.0	15.63	359.6	16.03	369.6	16.14
	86	36.6	262.0	13.77	283.7	16.02	309.2	18.66	336.0	21.00	346.0	21.51	359.6	22.02	369.6	22.42
		45.7	262.0	13.50	283.7	15.76	309.2	18.35	336.0	20.66	346.0	21.16	359.6	21.67	369.6	22.06
		91.4	262.0	12.43	283.7	14.73	309.2	17.15	336.0	19.32	346.0	19.78	359.6	20.29	369.6	20.66
		114.3	262.0	12.08	283.7	14.42	309.2	16.80	336.0	18.95	346.0	19.41	359.6	19.91	369.6	20.11
		137.1	262.0	11.90	283.7	14.27	309.2	16.62	336.0	18.76	346.0	19.22	359.6	19.73	369.6	19.84
	95	36.6	249.0	14.54	269.7	16.89	293.8	19.68	319.2	22.16	328.8	22.69	341.6	23.25	351.2	23.67
		45.7	249.0	14.25	269.7	16.62	293.8	19.36	319.2	21.80	328.8	22.33	341.6	22.88	351.2	23.29
		91.4	249.0	13.11	269.7	15.54	293.8	18.11	319.2	20.40	328.8	20.88	341.6	21.41	351.2	21.80
		114.3	249.0	12.76	269.7	15.21	293.8	17.74	319.2	20.00	328.8	20.48	341.6	21.01	351.2	21.23
		137.1	249.0	12.58	269.7	15.05	293.8	17.55	319.2	19.80	328.8	20.29	341.6	20.81	351.2	20.95
	104	36.6	235.9	16.30	255.5	18.97	278.1	22.10	302.4	24.88	311.5	25.46	323.6	26.08	332.7	26.55
		45.7	235.9	15.98	255.5	18.66	278.1	21.74	302.4	24.48	311.5	25.05	323.6	25.66	332.7	26.13
		91.4	235.9	14.71	255.5	17.43	278.1	20.31	302.4	22.88	311.5	23.43	323.6	24.02	332.7	24.46
		114.3	235.9	14.29	255.5	17.06	278.1	19.89	302.4	22.44	311.5	22.99	323.6	23.58	332.7	23.82
		137.1	235.9	14.08	255.5	16.87	278.1	19.68	302.4	22.22	311.5	22.77	323.6	23.36	332.7	23.50
	113	36.6	222.8	18.07	241.3	21.05	262.5	24.51	285.6	27.61	294.2	28.23	305.7	28.91	314.3	29.42
		45.7	222.8	17.72	241.3	20.70	262.5	24.11	285.6	27.16	294.2	27.77	305.7	28.45	314.3	28.96
		91.4	222.8	16.31	241.3	19.32	262.5	22.50	285.6	25.36	294.2	25.97	305.7	26.63	314.3	27.11
		114.3	222.8	15.83	241.3	18.90	262.5	22.04	285.6	24.87	294.2	25.49	305.7	26.15	314.3	26.41
		137.1	222.8	15.59	241.3	18.70	262.5	21.81	285.6	24.63	294.2	25.25	305.7	25.91	314.3	26.06
90	23	24.2	235.9	4.72	255.5	5.50	278.1	6.39	302.4	7.22	311.5	7.36	323.6	7.52	332.7	7.71
	32	27.1	235.9	4.72	255.5	5.50	278.1	6.39	302.4	7.22	311.5	7.36	323.6	7.52	332.7	7.71
	41	31.1	235.9	4.72	255.5	5.50	278.1	6.39	302.4	7.22	311.5	7.36	323.6	7.52	332.7	7.71
	50	36.6	235.9	4.72	255.5	5.50	278.1	6.39	302.4	7.22	311.5	7.36	323.6	7.52	332.7	7.71
		45.7	235.9	4.62	255.5	5.41	278.1	6.29	302.4	7.10	311.5	7.24	323.6	7.41	332.7	7.58
		91.4	235.9	4.24	255.5	5.05	278.1	5.92	302.4	6.61	311.5	6.78	323.6	6.97	332.7	7.10
		114.3	235.9	4.14	255.5	4.92	278.1	5.77	302.4	6.48	311.5	6.65	323.6	6.84	332.7	6.88
		137.1	235.9	4.09	255.5	4.85	278.1	5.69	302.4	6.42	311.5	6.59	323.6	6.78	332.7	6.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	36.6	235.9	6.41	255.5	7.45	278.1	8.68	302.4	9.78	311.5	10.00	323.6	10.24	332.7	10.44
		45.7	235.9	6.28	255.5	7.33	278.1	8.54	302.4	9.62	311.5	9.84	323.6	10.08	332.7	10.27
		91.4	235.9	5.77	255.5	6.85	278.1	7.99	302.4	8.98	311.5	9.20	323.6	9.44	332.7	9.62
		114.3	235.9	5.62	255.5	6.70	278.1	7.82	302.4	8.80	311.5	9.02	323.6	9.26	332.7	9.35
		137.1	235.9	5.54	255.5	6.62	278.1	7.73	302.4	8.72	311.5	8.94	323.6	9.18	332.7	9.22
	67	36.6	235.9	7.91	255.5	9.20	278.1	10.72	302.4	12.05	311.5	12.34	323.6	12.65	332.7	12.87
		45.7	235.9	7.75	255.5	9.05	278.1	10.54	302.4	11.86	311.5	12.14	323.6	12.45	332.7	12.67
		91.4	235.9	7.14	255.5	8.45	278.1	9.84	302.4	11.09	311.5	11.35	323.6	11.64	332.7	11.86
		114.3	235.9	6.94	255.5	8.28	278.1	9.64	302.4	10.87	311.5	11.13	323.6	11.42	332.7	11.55
		137.1	235.9	6.84	255.5	8.19	278.1	9.54	302.4	10.76	311.5	11.02	323.6	11.31	332.7	11.40
	75	36.6	235.9	9.63	255.5	11.20	278.1	13.05	302.4	14.71	311.5	15.04	323.6	15.41	332.7	15.68
		45.7	235.9	9.44	255.5	11.02	278.1	12.84	302.4	14.47	311.5	14.80	323.6	15.17	332.7	15.43
		91.4	235.9	8.69	255.5	10.30	278.1	12.01	302.4	13.52	311.5	13.85	323.6	14.20	332.7	14.45
		114.3	235.9	8.45	255.5	10.08	278.1	11.77	302.4	13.26	311.5	13.59	323.6	13.94	332.7	14.07
		137.1	235.9	8.33	255.5	9.97	278.1	11.65	302.4	13.13	311.5	13.46	323.6	13.81	332.7	13.89
	86	36.6	235.9	11.85	255.5	13.80	278.1	16.04	302.4	18.08	311.5	18.49	323.6	18.97	332.7	19.30
		45.7	235.9	11.61	255.5	13.57	278.1	15.79	302.4	17.78	311.5	18.20	323.6	18.66	332.7	18.99
		91.4	235.9	10.69	255.5	12.67	278.1	14.78	302.4	16.62	311.5	17.04	323.6	17.45	332.7	17.78
		114.3	235.9	10.41	255.5	12.40	278.1	14.47	302.4	16.31	311.5	16.71	323.6	17.15	332.7	17.30
		137.1	235.9	10.26	255.5	12.27	278.1	14.32	302.4	16.16	311.5	16.54	323.6	16.99	332.7	17.06
	95	36.6	229.4	12.79	248.3	14.86	270.4	17.31	294.0	19.50	302.9	19.97	314.5	20.46	323.4	20.81
		45.7	229.4	12.54	248.3	14.62	270.4	17.04	294.0	19.19	302.9	19.65	314.5	20.13	323.4	20.48
		91.4	229.4	11.53	248.3	13.68	270.4	15.94	294.0	17.94	302.9	18.38	314.5	18.84	323.4	19.19
		114.3	229.4	11.22	248.3	13.39	270.4	15.61	294.0	17.59	302.9	18.02	314.5	18.49	323.4	18.68
		137.1	229.4	11.07	248.3	13.25	270.4	15.45	294.0	17.41	302.9	17.85	314.5	18.31	323.4	18.43
	104	36.6	222.8	14.69	241.3	17.07	262.7	19.91	285.6	22.40	294.2	22.94	305.7	23.49	314.1	23.91
		45.7	222.8	14.40	241.3	16.80	262.7	19.58	285.6	22.04	294.2	22.57	305.7	23.12	314.1	23.54
		91.4	222.8	13.26	241.3	15.72	262.7	18.31	285.6	20.62	294.2	21.10	305.7	21.65	314.1	22.04
		114.3	222.8	12.89	241.3	15.37	262.7	17.94	285.6	20.20	294.2	20.70	305.7	21.23	314.1	21.45
		137.1	222.8	12.70	241.3	15.19	262.7	17.75	285.6	19.99	294.2	20.51	305.7	21.02	314.1	21.15
	113	36.6	216.3	16.59	234.3	19.27	255.0	22.50	277.2	25.30	285.6	25.91	296.8	26.52	304.7	27.01
		45.7	216.3	16.27	234.3	18.97	255.0	22.13	277.2	24.90	285.6	25.49	296.8	26.10	304.7	26.59
		91.4	216.3	14.99	234.3	17.76	255.0	20.68	277.2	23.29	285.6	23.82	296.8	24.46	304.7	24.90
		114.3	216.3	14.56	234.3	17.34	255.0	20.26	277.2	22.81	285.6	23.38	296.8	23.97	304.7	24.22
		137.1	216.3	14.34	234.3	17.14	255.0	20.06	277.2	22.57	285.6	23.16	296.8	23.73	304.7	23.88
80	23	24.2	209.8	3.96	227.0	4.62	247.3	5.37	268.8	6.03	277.0	6.18	287.7	6.34	295.6	6.44
	32	27.1	209.8	3.96	227.0	4.62	247.3	5.37	268.8	6.03	277.0	6.18	287.7	6.34	295.6	6.44
	41	31.1	209.8	3.96	227.0	4.62	247.3	5.37	268.8	6.03	277.0	6.18	287.7	6.34	295.6	6.44
	50	36.6	209.8	3.96	227.0	4.62	247.3	5.37	268.8	6.03	277.0	6.18	287.7	6.34	295.6	6.44
		45.7	209.8	3.89	227.0	4.54	247.3	5.28	268.8	5.93	277.0	6.08	287.7	6.23	295.6	6.33
		91.4	209.8	3.59	227.0	4.25	247.3	4.94	268.8	5.55	277.0	5.68	287.7	5.80	295.6	5.93
		114.3	209.8	3.49	227.0	4.14	247.3	4.86	268.8	5.47	277.0	5.60	287.7	5.75	295.6	5.76
		137.1	209.8	3.43	227.0	4.09	247.3	4.82	268.8	5.43	277.0	5.56	287.7	5.72	295.6	5.68
	59	36.6	209.8	5.37	227.0	6.25	247.3	7.27	268.8	8.19	277.0	8.39	287.7	8.59	295.6	8.74
		45.7	209.8	5.27	227.0	6.15	247.3	7.16	268.8	8.06	277.0	8.25	287.7	8.45	295.6	8.61
		91.4	209.8	4.85	227.0	5.75	247.3	6.70	268.8	7.53	277.0	7.71	287.7	7.90	295.6	8.06
		114.3	209.8	4.72	227.0	5.62	247.3	6.56	268.8	7.40	277.0	7.57	287.7	7.77	295.6	7.84
		137.1	209.8	4.65	227.0	5.55	247.3	6.50	268.8	7.33	277.0	7.51	287.7	7.71	295.6	7.73
	67	36.6	209.8	6.63	227.0	7.70	247.3	8.97	268.8	10.11	277.0	10.36	287.7	10.59	295.6	10.80
		45.7	209.8	6.50	227.0	7.57	247.3	8.83	268.8	9.95	277.0	10.19	287.7	10.43	295.6	10.63
		91.4	209.8	5.97	227.0	7.09	247.3	8.25	268.8	9.29	277.0	9.51	287.7	9.77	295.6	9.95
		114.3	209.8	5.82	227.0	6.94	247.3	8.08	268.8	9.11	277.0	9.33	287.7	9.57	295.6	9.68
		137.1	209.8	5.74	227.0	6.86	247.3	7.99	268.8	9.02	277.0	9.24	287.7	9.47	295.6	9.55
	75	36.6	209.8	8.09	227.0	9.39	247.3	10.94	268.8	12.32	277.0	12.60	287.7	12.92	295.6	13.16
		45.7	209.8	7.93	227.0	9.24	247.3	10.76	268.8	12.12	277.0	12.40	287.7	12.71	295.6	12.95
		91.4	209.8	7.29	227.0	8.65	247.3	10.06	268.8	11.33	277.0	11.61	287.7	11.90	295.6	12.12
		114.3	209.8	7.09	227.0	8.45	247.3	9.86	268.8	11.11	277.0	11.39	287.7	11.68	295.6	11.79
		137.1	209.8	6.99	227.0	8.35	247.3	9.76	268.8	11.00	277.0	11.29	287.7	11.57	295.6	11.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN336DAS4, ARWB336DAS4
336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	36.6	209.8	9.95	227.0	11.56	247.3	13.45	268.8	15.15	277.0	15.51	287.7	15.88	295.6	16.17
		45.7	209.8	9.75	227.0	11.37	247.3	13.24	268.8	14.91	277.0	15.26	287.7	15.63	295.6	15.92
		91.4	209.8	8.96	227.0	10.63	247.3	12.38	268.8	13.94	277.0	14.27	287.7	14.64	295.6	14.91
		114.3	209.8	8.72	227.0	10.41	247.3	12.12	268.8	13.68	277.0	14.01	287.7	14.36	295.6	14.51
		137.1	209.8	8.60	227.0	10.30	247.3	11.99	268.8	13.55	277.0	13.88	287.7	14.22	295.6	14.32
	95	36.6	209.8	11.04	227.0	12.83	247.3	14.95	268.8	16.85	277.0	17.25	287.7	17.67	295.6	17.98
		45.7	209.8	10.82	227.0	12.62	247.3	14.71	268.8	16.58	277.0	16.97	287.7	17.39	295.6	17.70
		91.4	209.8	9.97	227.0	11.81	247.3	13.77	268.8	15.50	277.0	15.85	287.7	16.27	295.6	16.55
		114.3	209.8	9.68	227.0	11.55	247.3	13.48	268.8	15.19	277.0	15.57	287.7	15.96	295.6	16.11
		137.1	209.8	9.54	227.0	11.42	247.3	13.34	268.8	15.04	277.0	15.42	287.7	15.81	295.6	15.90
	104	36.6	209.8	13.08	227.0	15.20	247.3	17.72	268.8	19.95	277.0	20.42	287.7	20.90	295.6	21.28
		45.7	209.8	12.82	227.0	14.95	247.3	17.43	268.8	19.63	277.0	20.09	287.7	20.57	295.6	20.94
		91.4	209.8	11.79	227.0	13.99	247.3	16.29	268.8	18.35	277.0	18.77	287.7	19.25	295.6	19.61
		114.3	209.8	11.46	227.0	13.68	247.3	15.96	268.8	17.98	277.0	18.42	287.7	18.90	295.6	19.10
		137.1	209.8	11.30	227.0	13.52	247.3	15.80	268.8	17.80	277.0	18.25	287.7	18.73	295.6	18.85
	113	36.6	209.8	15.12	227.0	17.56	247.3	20.49	268.8	23.05	277.0	23.59	287.7	24.14	295.6	24.58
		45.7	209.8	14.82	227.0	17.28	247.3	20.15	268.8	22.68	277.0	23.21	287.7	23.75	295.6	24.19
		91.4	209.8	13.61	227.0	16.16	247.3	18.82	268.8	21.21	277.0	21.69	287.7	22.24	295.6	22.66
		114.3	209.8	13.24	227.0	15.81	247.3	18.44	268.8	20.77	277.0	21.27	287.7	21.84	295.6	22.09
		137.1	209.8	13.05	227.0	15.63	247.3	18.26	268.8	20.55	277.0	21.07	287.7	21.65	295.6	21.80
70	23	24.2	183.4	3.27	198.6	3.84	216.3	4.47	235.2	5.03	242.2	5.13	251.8	5.25	258.8	5.37
	32	27.1	183.4	3.27	198.6	3.84	216.3	4.47	235.2	5.03	242.2	5.13	251.8	5.25	258.8	5.37
	41	31.1	183.4	3.27	198.6	3.84	216.3	4.47	235.2	5.03	242.2	5.13	251.8	5.25	258.8	5.37
	50	36.6	183.4	3.27	198.6	3.84	216.3	4.47	235.2	5.03	242.2	5.13	251.8	5.25	258.8	5.37
		45.7	183.4	3.21	198.6	3.78	216.3	4.39	235.2	4.94	242.2	5.05	251.8	5.17	258.8	5.28
		91.4	183.4	2.96	198.6	3.55	216.3	4.07	235.2	4.60	242.2	4.73	251.8	4.86	258.8	4.94
		114.3	183.4	2.87	198.6	3.44	216.3	4.01	235.2	4.54	242.2	4.65	251.8	4.75	258.8	4.82
		137.1	183.4	2.83	198.6	3.39	216.3	3.98	235.2	4.51	242.2	4.60	251.8	4.70	258.8	4.75
	59	36.6	183.4	4.46	198.6	5.20	216.3	6.05	235.2	6.81	242.2	6.96	251.8	7.14	258.8	7.27
		45.7	183.4	4.37	198.6	5.12	216.3	5.95	235.2	6.70	242.2	6.85	251.8	7.03	258.8	7.16
		91.4	183.4	4.02	198.6	4.79	216.3	5.55	235.2	6.26	242.2	6.41	251.8	6.59	258.8	6.70
		114.3	183.4	3.91	198.6	4.68	216.3	5.44	235.2	6.15	242.2	6.30	251.8	6.45	258.8	6.52
		137.1	183.4	3.85	198.6	4.62	216.3	5.39	235.2	6.09	242.2	6.25	251.8	6.39	258.8	6.43
	67	36.6	183.4	5.51	198.6	6.41	216.3	7.45	235.2	8.39	242.2	8.59	251.8	8.81	258.8	8.97
		45.7	183.4	5.40	198.6	6.30	216.3	7.33	235.2	8.25	242.2	8.45	251.8	8.67	258.8	8.83
		91.4	183.4	4.96	198.6	5.88	216.3	6.87	235.2	7.73	242.2	7.90	251.8	8.12	258.8	8.25
		114.3	183.4	4.83	198.6	5.77	216.3	6.72	235.2	7.57	242.2	7.77	251.8	7.97	258.8	8.04
		137.1	183.4	4.76	198.6	5.72	216.3	6.64	235.2	7.50	242.2	7.71	251.8	7.89	258.8	7.93
	75	36.6	183.4	6.72	198.6	7.81	216.3	9.11	235.2	10.24	242.2	10.49	251.8	10.75	258.8	10.93
		45.7	183.4	6.59	198.6	7.68	216.3	8.96	235.2	10.08	242.2	10.32	251.8	10.58	258.8	10.76
		91.4	183.4	6.06	198.6	7.18	216.3	8.36	235.2	9.42	242.2	9.64	251.8	9.90	258.8	10.08
		114.3	183.4	5.88	198.6	7.03	216.3	8.19	235.2	9.24	242.2	9.46	251.8	9.70	258.8	9.81
		137.1	183.4	5.80	198.6	6.95	216.3	8.10	235.2	9.16	242.2	9.38	251.8	9.61	258.8	9.68
	86	36.6	183.4	8.27	198.6	9.60	216.3	11.18	235.2	12.61	242.2	12.89	251.8	13.21	258.8	13.45
		45.7	183.4	8.10	198.6	9.44	216.3	11.00	235.2	12.40	242.2	12.69	251.8	13.00	258.8	13.24
		91.4	183.4	7.44	198.6	8.83	216.3	10.30	235.2	11.59	242.2	11.88	251.8	12.16	258.8	12.38
		114.3	183.4	7.25	198.6	8.65	216.3	10.08	235.2	11.37	242.2	11.64	251.8	11.94	258.8	12.08
		137.1	183.4	7.15	198.6	8.56	216.3	9.97	235.2	11.26	242.2	11.52	251.8	11.83	258.8	11.92
	95	36.6	183.4	9.18	198.6	10.67	216.3	12.43	235.2	13.99	242.2	14.32	251.8	14.68	258.8	14.95
		45.7	183.4	9.00	198.6	10.49	216.3	12.23	235.2	13.77	242.2	14.09	251.8	14.45	258.8	14.71
		91.4	183.4	8.28	198.6	9.81	216.3	11.44	235.2	12.89	242.2	13.19	251.8	13.52	258.8	13.77
		114.3	183.4	8.06	198.6	9.62	216.3	11.20	235.2	12.62	242.2	12.93	251.8	13.26	258.8	13.41
		137.1	183.4	7.95	198.6	9.52	216.3	11.08	235.2	12.49	242.2	12.80	251.8	13.13	258.8	13.24
	104	36.6	183.4	10.89	198.6	12.63	216.3	14.73	235.2	16.58	242.2	16.98	251.8	17.38	258.8	17.69
		45.7	183.4	10.67	198.6	12.43	216.3	14.49	235.2	16.31	242.2	16.71	251.8	17.10	258.8	17.41
		91.4	183.4	9.81	198.6	11.64	216.3	13.55	235.2	15.26	242.2	15.61	251.8	16.00	258.8	16.31
		114.3	183.4	9.53	198.6	11.37	216.3	13.26	235.2	14.95	242.2	15.32	251.8	15.72	258.8	15.87
		137.1	183.4	9.39	198.6	11.24	216.3	13.12	235.2	14.80	242.2	15.18	251.8	15.58	258.8	15.65

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	36.6	183.4	12.59	198.6	14.59	216.3	17.03	235.2	19.17	242.2	19.65	251.8	20.08	258.8	20.43
		45.7	183.4	12.34	198.6	14.36	216.3	16.75	235.2	18.86	242.2	19.32	251.8	19.76	258.8	20.11
		91.4	183.4	11.35	198.6	13.46	216.3	15.65	235.2	17.63	242.2	18.02	251.8	18.49	258.8	18.86
		114.3	183.4	11.00	198.6	13.13	216.3	15.32	235.2	17.28	242.2	17.72	251.8	18.18	258.8	18.33
		137.1	183.4	10.82	198.6	12.96	216.3	15.16	235.2	17.10	242.2	17.56	251.8	18.03	258.8	18.07
60	23	24.2	157.3	2.63	170.3	3.02	185.5	3.57	201.6	4.00	207.7	4.10	215.6	4.18	221.7	4.30
	32	27.1	157.3	2.63	170.3	3.02	185.5	3.57	201.6	4.00	207.7	4.10	215.6	4.18	221.7	4.30
	41	31.1	157.3	2.63	170.3	3.02	185.5	3.57	201.6	4.00	207.7	4.10	215.6	4.18	221.7	4.30
	50	36.6	157.3	2.63	170.3	3.02	185.5	3.57	201.6	4.00	207.7	4.10	215.6	4.18	221.7	4.30
		45.7	157.3	2.58	170.3	2.97	185.5	3.51	201.6	3.93	207.7	4.03	215.6	4.12	221.7	4.23
		91.4	157.3	2.37	170.3	2.79	185.5	3.27	201.6	3.65	207.7	3.78	215.6	3.86	221.7	3.93
		114.3	157.3	2.30	170.3	2.77	185.5	3.21	201.6	3.61	207.7	3.72	215.6	3.78	221.7	3.84
		137.1	157.3	2.27	170.3	2.76	185.5	3.18	201.6	3.59	207.7	3.69	215.6	3.74	221.7	3.80
	59	36.6	157.3	3.56	170.3	4.13	185.5	4.82	201.6	5.42	207.7	5.56	215.6	5.69	221.7	5.80
		45.7	157.3	3.49	170.3	4.06	185.5	4.74	201.6	5.33	207.7	5.47	215.6	5.60	221.7	5.71
		91.4	157.3	3.21	170.3	3.80	185.5	4.43	201.6	4.98	207.7	5.12	215.6	5.25	221.7	5.33
		114.3	157.3	3.12	170.3	3.73	185.5	4.35	201.6	4.90	207.7	5.03	215.6	5.14	221.7	5.20
		137.1	157.3	3.07	170.3	3.70	185.5	4.30	201.6	4.85	207.7	4.98	215.6	5.08	221.7	5.14
	67	36.6	157.3	4.39	170.3	5.11	185.5	5.93	201.6	6.69	207.7	6.85	215.6	7.03	221.7	7.14
		45.7	157.3	4.30	170.3	5.03	185.5	5.84	201.6	6.59	207.7	6.74	215.6	6.92	221.7	7.03
		91.4	157.3	3.95	170.3	4.70	185.5	5.47	201.6	6.17	207.7	6.30	215.6	6.48	221.7	6.59
		114.3	157.3	3.84	170.3	4.59	185.5	5.36	201.6	6.04	207.7	6.19	215.6	6.34	221.7	6.41
		137.1	157.3	3.79	170.3	4.53	185.5	5.30	201.6	5.97	207.7	6.14	215.6	6.28	221.7	6.32
	75	36.6	157.3	5.35	170.3	6.23	185.5	7.25	201.6	8.17	207.7	8.37	215.6	8.57	221.7	8.72
		45.7	157.3	5.25	170.3	6.13	185.5	7.14	201.6	8.04	207.7	8.23	215.6	8.43	221.7	8.58
		91.4	157.3	4.83	170.3	5.73	185.5	6.67	201.6	7.51	207.7	7.68	215.6	7.88	221.7	8.04
		114.3	157.3	4.70	170.3	5.60	185.5	6.54	201.6	7.35	207.7	7.55	215.6	7.75	221.7	7.82
		137.1	157.3	4.63	170.3	5.53	185.5	6.48	201.6	7.28	207.7	7.49	215.6	7.68	221.7	7.71
	86	36.6	157.3	6.58	170.3	7.65	185.5	8.93	201.6	10.04	207.7	10.29	215.6	10.53	221.7	10.73
		45.7	157.3	6.45	170.3	7.53	185.5	8.78	201.6	9.88	207.7	10.12	215.6	10.36	221.7	10.56
		91.4	157.3	5.95	170.3	7.05	185.5	8.21	201.6	9.24	207.7	9.46	215.6	9.70	221.7	9.88
		114.3	157.3	5.77	170.3	6.89	185.5	8.04	201.6	9.07	207.7	9.29	215.6	9.53	221.7	9.62
		137.1	157.3	5.69	170.3	6.82	185.5	7.95	201.6	8.98	207.7	9.20	215.6	9.44	221.7	9.48
	95	36.6	157.3	7.32	170.3	8.50	185.5	9.91	201.6	11.15	207.7	11.42	215.6	11.71	221.7	11.91
		45.7	157.3	7.18	170.3	8.36	185.5	9.75	201.6	10.98	207.7	11.24	215.6	11.53	221.7	11.72
		91.4	157.3	6.61	170.3	7.82	185.5	9.11	201.6	10.27	207.7	10.52	215.6	10.78	221.7	10.98
		114.3	157.3	6.41	170.3	7.66	185.5	8.94	201.6	10.06	207.7	10.32	215.6	10.58	221.7	10.69
		137.1	157.3	6.31	170.3	7.59	185.5	8.85	201.6	9.95	207.7	10.22	215.6	10.48	221.7	10.55
	104	36.6	157.3	8.67	170.3	10.09	185.5	11.74	201.6	13.21	207.7	13.52	215.6	13.86	221.7	14.12
		45.7	157.3	8.50	170.3	9.92	185.5	11.55	201.6	13.00	207.7	13.30	215.6	13.63	221.7	13.90
		91.4	157.3	7.82	170.3	9.26	185.5	10.80	201.6	12.16	207.7	12.45	215.6	12.76	221.7	13.00
		114.3	157.3	7.60	170.3	9.07	185.5	10.58	201.6	11.92	207.7	12.21	215.6	12.54	221.7	12.65
		137.1	157.3	7.49	170.3	8.97	185.5	10.47	201.6	11.80	207.7	12.09	215.6	12.43	221.7	12.47
	113	36.6	157.3	10.01	170.3	11.68	185.5	13.56	201.6	15.26	207.7	15.62	215.6	16.00	221.7	16.34
		45.7	157.3	9.81	170.3	11.48	185.5	13.35	201.6	15.02	207.7	15.37	215.6	15.74	221.7	16.07
		91.4	157.3	9.02	170.3	10.71	185.5	12.49	201.6	14.05	207.7	14.38	215.6	14.73	221.7	15.02
		114.3	157.3	8.78	170.3	10.47	185.5	12.23	201.6	13.79	207.7	14.09	215.6	14.49	221.7	14.60
		137.1	157.3	8.66	170.3	10.35	185.5	12.10	201.6	13.66	207.7	13.95	215.6	14.37	221.7	14.39
50	23	24.2	131.1	1.99	141.9	2.25	154.5	2.63	168.0	2.95	173.1	3.07	179.7	3.11	184.8	3.21
	32	27.1	131.1	1.99	141.9	2.25	154.5	2.63	168.0	2.95	173.1	3.07	179.7	3.11	184.8	3.21
	41	31.1	131.1	1.99	141.9	2.25	154.5	2.63	168.0	2.95	173.1	3.07	179.7	3.11	184.8	3.21
	50	36.6	131.1	1.99	141.9	2.25	154.5	2.63	168.0	2.95	173.1	3.07	179.7	3.11	184.8	3.21
		45.7	131.1	1.95	141.9	2.21	154.5	2.60	168.0	2.91	173.1	3.02	179.7	3.06	184.8	3.15
		91.4	131.1	1.78	141.9	2.09	154.5	2.45	168.0	2.77	173.1	2.83	179.7	2.87	184.8	2.91
		114.3	131.1	1.71	141.9	2.07	154.5	2.41	168.0	2.68	173.1	2.74	179.7	2.83	184.8	2.87
		137.1	131.1	1.68	141.9	2.06	154.5	2.39	168.0	2.64	173.1	2.70	179.7	2.81	184.8	2.85
	59	36.6	131.1	2.67	141.9	3.08	154.5	3.59	168.0	4.03	173.1	4.15	179.7	4.24	184.8	4.33
		45.7	131.1	2.61	141.9	3.03	154.5	3.53	168.0	3.97	173.1	4.08	179.7	4.17	184.8	4.26
		91.4	131.1	2.39	141.9	2.83	154.5	3.32	168.0	3.73	173.1	3.82	179.7	3.91	184.8	3.97
		114.3	131.1	2.33	141.9	2.79	154.5	3.25	168.0	3.64	173.1	3.73	179.7	3.84	184.8	3.89
		137.1	131.1	2.29	141.9	2.77	154.5	3.22	168.0	3.60	173.1	3.69	179.7	3.81	184.8	3.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	36.6	131.1	3.27	141.9	3.82	154.5	4.44	168.0	5.00	173.1	5.11	179.7	5.24	184.8	5.33
		45.7	131.1	3.21	141.9	3.75	154.5	4.37	168.0	4.92	173.1	5.03	179.7	5.16	184.8	5.25
		91.4	131.1	2.94	141.9	3.49	154.5	4.08	168.0	4.59	173.1	4.70	179.7	4.83	184.8	4.92
		114.3	131.1	2.88	141.9	3.42	154.5	4.00	168.0	4.50	173.1	4.61	179.7	4.74	184.8	4.79
		137.1	131.1	2.84	141.9	3.39	154.5	3.95	168.0	4.46	173.1	4.57	179.7	4.70	184.8	4.72
	75	36.6	131.1	3.99	141.9	4.64	154.5	5.40	168.0	6.09	173.1	6.23	179.7	6.38	184.8	6.49
		45.7	131.1	3.91	141.9	4.57	154.5	5.31	168.0	5.99	173.1	6.13	179.7	6.28	184.8	6.39
		91.4	131.1	3.60	141.9	4.26	154.5	4.98	168.0	5.60	173.1	5.73	179.7	5.88	184.8	5.99
		114.3	131.1	3.49	141.9	4.17	154.5	4.87	168.0	5.49	173.1	5.62	179.7	5.77	184.8	5.84
		137.1	131.1	3.44	141.9	4.13	154.5	4.82	168.0	5.43	173.1	5.57	179.7	5.72	184.8	5.76
	86	36.6	131.1	4.90	141.9	5.71	154.5	6.65	168.0	7.50	173.1	7.68	179.7	7.85	184.8	7.99
		45.7	131.1	4.81	141.9	5.62	154.5	6.54	168.0	7.38	173.1	7.55	179.7	7.73	184.8	7.86
		91.4	131.1	4.43	141.9	5.25	154.5	6.13	168.0	6.89	173.1	7.05	179.7	7.25	184.8	7.35
		114.3	131.1	4.30	141.9	5.14	154.5	5.99	168.0	6.76	173.1	6.92	179.7	7.09	184.8	7.18
		137.1	131.1	4.24	141.9	5.08	154.5	5.93	168.0	6.70	173.1	6.85	179.7	7.01	184.8	7.09
	95	36.6	131.1	5.47	141.9	6.33	154.5	7.38	168.0	8.32	173.1	8.53	179.7	8.72	184.8	8.88
		45.7	131.1	5.36	141.9	6.24	154.5	7.27	168.0	8.19	173.1	8.39	179.7	8.58	184.8	8.74
		91.4	131.1	4.92	141.9	5.84	154.5	6.81	168.0	7.66	173.1	7.84	179.7	8.04	184.8	8.19
		114.3	131.1	4.79	141.9	5.71	154.5	6.65	168.0	7.51	173.1	7.68	179.7	7.88	184.8	7.97
		137.1	131.1	4.72	141.9	5.64	154.5	6.58	168.0	7.43	173.1	7.61	179.7	7.81	184.8	7.86
	104	36.6	131.1	6.48	141.9	7.52	154.5	8.74	168.0	9.86	173.1	10.08	179.7	10.33	184.8	10.53
		45.7	131.1	6.34	141.9	7.40	154.5	8.61	168.0	9.70	173.1	9.92	179.7	10.16	184.8	10.36
		91.4	131.1	5.82	141.9	6.92	154.5	8.06	168.0	9.07	173.1	9.29	179.7	9.53	184.8	9.68
		114.3	131.1	5.66	141.9	6.76	154.5	7.88	168.0	8.89	173.1	9.11	179.7	9.33	184.8	9.44
		137.1	131.1	5.59	141.9	6.69	154.5	7.79	168.0	8.80	173.1	9.02	179.7	9.23	184.8	9.32
	113	36.6	131.1	7.49	141.9	8.71	154.5	10.11	168.0	11.41	173.1	11.64	179.7	11.93	184.8	12.19
		45.7	131.1	7.33	141.9	8.56	154.5	9.95	168.0	11.22	173.1	11.46	179.7	11.75	184.8	11.99
		91.4	131.1	6.72	141.9	7.99	154.5	9.31	168.0	10.47	173.1	10.74	179.7	11.02	184.8	11.17
		114.3	131.1	6.54	141.9	7.82	154.5	9.11	168.0	10.27	173.1	10.54	179.7	10.78	184.8	10.91
		137.1	131.1	6.46	141.9	7.73	154.5	9.01	168.0	10.18	173.1	10.44	179.7	10.66	184.8	10.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	26.8	356.9	7.59	386.6	8.82	420.7	10.31	457.3	11.59	471.2	11.86	489.4	12.16	503.3	12.39
	32	30.0	356.9	7.59	386.6	8.82	420.7	10.31	457.3	11.59	471.2	11.86	489.4	12.16	503.3	12.39
	41	34.5	356.9	7.59	386.6	8.82	420.7	10.31	457.3	11.59	471.2	11.86	489.4	12.16	503.3	12.39
	50	40.6	356.9	7.59	386.6	8.82	420.7	10.31	457.3	11.59	471.2	11.86	489.4	12.16	503.3	12.39
		50.7	356.9	7.44	386.6	8.68	420.7	10.14	457.3	11.40	471.2	11.67	489.4	11.97	503.3	12.19
		101.4	356.9	6.88	386.6	8.14	420.7	9.47	457.3	10.66	471.2	10.93	489.4	11.23	503.3	11.42
		126.8	356.9	6.65	386.6	7.94	420.7	9.27	457.3	10.43	471.2	10.71	489.4	10.98	503.3	11.18
		152.1	356.9	6.54	386.6	7.84	420.7	9.17	457.3	10.32	471.2	10.60	489.4	10.85	503.3	11.05
	59	40.6	351.2	9.97	380.3	11.60	414.1	13.53	450.1	15.22	463.7	15.57	481.6	15.96	495.2	16.24
		50.7	351.2	9.78	380.3	11.41	414.1	13.31	450.1	14.97	463.7	15.33	481.6	15.71	495.2	15.99
		101.4	351.2	9.01	380.3	10.67	414.1	12.44	450.1	14.00	463.7	14.36	481.6	14.74	495.2	15.02
		126.8	351.2	8.75	380.3	10.44	414.1	12.18	450.1	13.72	463.7	14.08	481.6	14.43	495.2	14.69
		152.1	351.2	8.62	380.3	10.33	414.1	12.05	450.1	13.58	463.7	13.93	481.6	14.28	495.2	14.52
	67	40.6	346.1	12.09	374.7	14.08	408.3	16.39	443.7	18.44	457.1	18.88	474.7	19.34	488.0	19.66
		50.7	346.1	11.85	374.7	13.84	408.3	16.12	443.7	18.14	457.1	18.58	474.7	19.04	488.0	19.37
		101.4	346.1	10.90	374.7	12.92	408.3	15.07	443.7	16.97	457.1	17.40	474.7	17.86	488.0	18.22
		126.8	346.1	10.62	374.7	12.67	408.3	14.77	443.7	16.63	457.1	17.07	474.7	17.50	488.0	17.81
		152.1	346.1	10.48	374.7	12.54	408.3	14.61	443.7	16.47	457.1	16.90	474.7	17.33	488.0	17.61
	75	40.6	346.1	14.94	374.7	17.35	408.3	20.21	443.7	22.76	457.1	23.27	474.7	23.87	488.0	24.26
		50.7	346.1	14.64	374.7	17.07	408.3	19.88	443.7	22.39	457.1	22.90	474.7	23.49	488.0	23.90
		101.4	346.1	13.46	374.7	15.94	408.3	18.58	443.7	20.93	457.1	21.45	474.7	22.01	488.0	22.47
		126.8	346.1	13.08	374.7	15.61	408.3	18.20	443.7	20.52	457.1	21.06	474.7	21.60	488.0	21.96
		152.1	346.1	12.89	374.7	15.44	408.3	18.00	443.7	20.32	457.1	20.87	474.7	21.39	488.0	21.70
	86	40.6	346.1	17.91	374.7	20.81	408.3	24.25	443.7	27.32	457.1	27.96	474.7	28.62	488.0	29.13
		50.7	346.1	17.56	374.7	20.47	408.3	23.85	443.7	26.87	457.1	27.51	474.7	28.18	488.0	28.69
		101.4	346.1	16.15	374.7	19.14	408.3	22.29	443.7	25.10	457.1	25.74	474.7	26.41	488.0	26.95
		126.8	346.1	15.69	374.7	18.73	408.3	21.85	443.7	24.62	457.1	25.26	474.7	25.90	488.0	26.33
		152.1	346.1	15.46	374.7	18.53	408.3	21.64	443.7	24.38	457.1	25.02	474.7	25.64	488.0	26.03
	95	40.6	311.5	18.12	337.3	21.04	367.2	24.53	399.2	27.60	411.2	28.27	427.2	28.93	439.2	29.43
		50.7	311.5	17.76	337.3	20.70	367.2	24.13	399.2	27.15	411.2	27.82	427.2	28.48	439.2	28.99
		101.4	311.5	16.33	337.3	19.37	367.2	22.55	399.2	25.39	411.2	26.03	427.2	26.72	439.2	27.25
		126.8	311.5	15.87	337.3	18.94	367.2	22.08	399.2	24.90	411.2	25.54	427.2	26.21	439.2	26.64
		152.1	311.5	15.64	337.3	18.72	367.2	21.86	399.2	24.66	411.2	25.30	427.2	25.95	439.2	26.33
	104	40.6	276.8	19.11	299.7	22.18	326.4	25.85	354.9	29.13	365.6	29.80	379.7	30.52	390.4	31.08
		50.7	276.8	18.73	299.7	21.83	326.4	25.44	354.9	28.66	365.6	29.33	379.7	30.04	390.4	30.61
		101.4	276.8	17.22	299.7	20.42	326.4	23.80	354.9	26.79	365.6	27.46	379.7	28.18	390.4	28.74
		126.8	276.8	16.74	299.7	19.99	326.4	23.29	354.9	26.26	365.6	26.95	379.7	27.64	390.4	28.10
		152.1	276.8	16.49	299.7	19.77	326.4	23.03	354.9	25.99	365.6	26.69	379.7	27.37	390.4	27.78
	113	40.6	242.1	20.11	262.1	23.33	285.6	27.17	310.7	30.67	320.0	31.33	332.3	32.10	341.6	32.72
		50.7	242.1	19.71	262.1	22.96	285.6	26.74	310.7	30.17	320.0	30.84	332.3	31.60	341.6	32.22
		101.4	242.1	18.12	262.1	21.47	285.6	25.05	310.7	28.20	320.0	28.89	332.3	29.63	341.6	30.22
		126.8	242.1	17.61	262.1	21.04	285.6	24.49	310.7	27.61	320.0	28.35	332.3	29.07	341.6	29.56
		152.1	242.1	17.35	262.1	20.82	285.6	24.21	310.7	27.32	320.0	28.09	332.3	28.79	341.6	29.23
120	23	26.8	337.8	7.21	365.8	8.39	398.4	9.73	432.8	11.01	446.2	11.25	463.5	11.52	476.3	11.74
	32	30.0	337.8	7.21	365.8	8.39	398.4	9.73	432.8	11.01	446.2	11.25	463.5	11.52	476.3	11.74
	41	34.5	337.8	7.21	365.8	8.39	398.4	9.73	432.8	11.01	446.2	11.25	463.5	11.52	476.3	11.74
	50	40.6	337.8	7.21	365.8	8.39	398.4	9.73	432.8	11.01	446.2	11.25	463.5	11.52	476.3	11.74
		50.7	337.8	7.06	365.8	8.25	398.4	9.58	432.8	10.82	446.2	11.06	463.5	11.34	476.3	11.56
		101.4	337.8	6.47	365.8	7.71	398.4	8.99	432.8	10.07	446.2	10.35	463.5	10.62	476.3	10.84
		126.8	337.8	6.30	365.8	7.50	398.4	8.76	432.8	9.90	446.2	10.15	463.5	10.45	476.3	10.60
		152.1	337.8	6.21	365.8	7.40	398.4	8.65	432.8	9.82	446.2	10.05	463.5	10.37	476.3	10.48
	59	40.6	333.9	9.56	361.6	11.11	393.9	12.93	428.0	14.57	441.1	14.90	458.1	15.26	470.9	15.54
		50.7	333.9	9.37	361.6	10.93	393.9	12.72	428.0	14.33	441.1	14.66	458.1	15.02	470.9	15.30
		101.4	333.9	8.60	361.6	10.21	393.9	11.90	428.0	13.38	441.1	13.72	458.1	14.08	470.9	14.36
		126.8	333.9	8.37	361.6	9.98	393.9	11.64	428.0	13.13	441.1	13.46	458.1	13.82	470.9	14.02
		152.1	333.9	8.25	361.6	9.87	393.9	11.52	428.0	13.00	441.1	13.33	458.1	13.69	470.9	13.86
	67	40.6	330.4	11.65	357.9	13.53	389.9	15.77	423.7	17.74	436.5	18.15	453.3	18.59	466.1	18.92
		50.7	330.4	11.41	357.9	13.31	389.9	15.51	423.7	17.45	436.5	17.86	453.3	18.30	466.1	18.63
		101.4	330.4	10.49	357.9	12.44	389.9	14.48	423.7	16.33	436.5	16.71	453.3	17.15	466.1	17.48
		126.8	330.4	10.21	357.9	12.18	389.9	14.20	423.7	15.99	436.5	16.40	453.3	16.81	466.1	17.07
		152.1	330.4	10.07	357.9	12.05	389.9	14.06	423.7	15.83	436.5	16.25	453.3	16.65	466.1	16.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	40.6	330.4	14.31	357.9	16.62	389.9	19.35	423.7	21.79	436.5	22.31	453.3	22.85	466.1	23.26
		50.7	330.4	14.02	357.9	16.35	389.9	19.04	423.7	21.45	436.5	21.96	453.3	22.49	466.1	22.90
		101.4	330.4	12.90	357.9	15.28	389.9	17.81	423.7	20.06	436.5	20.55	453.3	21.09	466.1	21.50
		126.8	330.4	12.54	357.9	14.97	389.9	17.45	423.7	19.65	436.5	20.17	453.3	20.68	466.1	20.98
		152.1	330.4	12.36	357.9	14.82	389.9	17.27	423.7	19.45	436.5	19.97	453.3	20.47	466.1	20.73
	86	40.6	330.4	17.28	357.9	20.11	389.9	23.41	423.7	26.34	436.5	27.00	453.3	27.64	466.1	28.12
		50.7	330.4	16.94	357.9	19.78	389.9	23.03	423.7	25.92	436.5	26.56	453.3	27.20	466.1	27.69
		101.4	330.4	15.58	357.9	18.48	389.9	21.52	423.7	24.26	436.5	24.85	453.3	25.49	466.1	26.00
		126.8	330.4	15.15	357.9	18.09	389.9	21.09	423.7	23.77	436.5	24.39	453.3	25.00	466.1	25.39
		152.1	330.4	14.93	357.9	17.90	389.9	20.87	423.7	23.53	436.5	24.16	453.3	24.76	466.1	25.08
	95	40.6	302.4	17.73	327.5	20.60	356.8	23.98	387.7	27.03	399.5	27.67	414.9	28.34	426.7	28.82
		50.7	302.4	17.38	327.5	20.27	356.8	23.59	387.7	26.59	399.5	27.23	414.9	27.89	426.7	28.38
		101.4	302.4	15.97	327.5	18.94	356.8	22.06	387.7	24.85	399.5	25.46	414.9	26.13	426.7	26.64
		126.8	302.4	15.53	327.5	18.55	356.8	21.62	387.7	24.36	399.5	25.00	414.9	25.62	426.7	26.00
		152.1	302.4	15.32	327.5	18.36	356.8	21.41	387.7	24.12	399.5	24.77	414.9	25.36	426.7	25.68
	104	40.6	274.4	19.09	297.1	22.16	323.7	25.83	351.7	29.08	362.4	29.78	376.5	30.50	386.9	31.03
		50.7	274.4	18.71	297.1	21.80	323.7	25.41	351.7	28.61	362.4	29.30	376.5	30.02	386.9	30.56
		101.4	274.4	17.20	297.1	20.40	323.7	23.75	351.7	26.74	362.4	27.41	376.5	28.12	386.9	28.66
		126.8	274.4	16.71	297.1	19.96	323.7	23.26	351.7	26.23	362.4	26.90	376.5	27.59	386.9	28.00
		152.1	274.4	16.47	297.1	19.74	323.7	23.02	351.7	25.98	362.4	26.64	376.5	27.32	386.9	27.67
	113	40.6	246.4	20.44	266.7	23.71	290.7	27.68	315.7	31.14	325.3	31.89	338.1	32.65	347.2	33.25
		50.7	246.4	20.04	266.7	23.34	290.7	27.23	315.7	30.63	325.3	31.37	338.1	32.14	347.2	32.73
		101.4	246.4	18.43	266.7	21.85	290.7	25.44	315.7	28.64	325.3	29.35	338.1	30.12	347.2	30.68
		126.8	246.4	17.89	266.7	21.37	290.7	24.90	315.7	28.10	325.3	28.79	338.1	29.56	347.2	29.99
		152.1	246.4	17.62	266.7	21.13	290.7	24.63	315.7	27.83	325.3	28.51	338.1	29.28	347.2	29.65
110	23	26.8	318.9	6.79	345.0	7.89	376.0	9.19	408.5	10.35	420.5	10.63	436.8	10.84	449.4	11.10
	32	30.0	318.9	6.79	345.0	7.89	376.0	9.19	408.5	10.35	420.5	10.63	436.8	10.84	449.4	11.10
	41	34.5	318.9	6.79	345.0	7.89	376.0	9.19	408.5	10.35	420.5	10.63	436.8	10.84	449.4	11.10
	50	40.6	318.9	6.79	345.0	7.89	376.0	9.19	408.5	10.35	420.5	10.63	436.8	10.84	449.4	11.10
		50.7	318.9	6.66	345.0	7.77	376.0	9.05	408.5	10.18	420.5	10.46	436.8	10.67	449.4	10.93
		101.4	318.9	6.11	345.0	7.27	376.0	8.48	408.5	9.52	420.5	9.79	436.8	10.04	449.4	10.24
		126.8	318.9	5.94	345.0	7.13	376.0	8.29	408.5	9.37	420.5	9.59	436.8	9.84	449.4	9.94
		152.1	318.9	5.85	345.0	7.05	376.0	8.19	408.5	9.30	420.5	9.49	436.8	9.74	449.4	9.79
	59	40.6	316.8	9.11	342.9	10.58	373.6	12.32	406.1	13.89	418.1	14.22	434.4	14.56	446.7	14.85
		50.7	316.8	8.93	342.9	10.42	373.6	12.13	406.1	13.67	418.1	14.00	434.4	14.33	446.7	14.61
		101.4	316.8	8.21	342.9	9.75	373.6	11.36	406.1	12.77	418.1	13.10	434.4	13.44	446.7	13.69
		126.8	316.8	7.98	342.9	9.55	373.6	11.11	406.1	12.54	418.1	12.85	434.4	13.18	446.7	13.33
		152.1	316.8	7.87	342.9	9.44	373.6	10.98	406.1	12.42	418.1	12.72	434.4	13.05	446.7	13.15
	67	40.6	314.9	11.17	341.1	12.98	371.5	15.11	404.0	17.04	416.0	17.42	432.3	17.87	444.3	18.17
		50.7	314.9	10.95	341.1	12.77	371.5	14.87	404.0	16.76	416.0	17.15	432.3	17.58	444.3	17.89
		101.4	314.9	10.08	341.1	11.95	371.5	13.92	404.0	15.66	416.0	16.05	432.3	16.45	444.3	16.76
		126.8	314.9	9.80	341.1	11.70	371.5	13.61	404.0	15.35	416.0	15.74	432.3	16.15	444.3	16.35
		152.1	314.9	9.66	341.1	11.57	371.5	13.46	404.0	15.20	416.0	15.59	432.3	16.00	444.3	16.15
	75	40.6	314.9	13.68	341.1	15.89	371.5	18.52	404.0	20.86	416.0	21.35	432.3	21.86	444.3	22.25
		50.7	314.9	13.41	341.1	15.64	371.5	18.22	404.0	20.52	416.0	21.01	432.3	21.52	444.3	21.91
		101.4	314.9	12.33	341.1	14.61	371.5	17.04	404.0	19.19	416.0	19.65	432.3	20.17	444.3	20.52
		126.8	314.9	12.00	341.1	14.31	371.5	16.69	404.0	18.81	416.0	19.27	432.3	19.78	444.3	20.01
		152.1	314.9	11.84	341.1	14.15	371.5	16.51	404.0	18.62	416.0	19.08	432.3	19.59	444.3	19.76
	86	40.6	314.9	16.69	341.1	19.38	371.5	22.58	404.0	25.41	416.0	26.04	432.3	26.65	444.3	27.14
		50.7	314.9	16.35	341.1	19.07	371.5	22.21	404.0	25.00	416.0	25.62	432.3	26.23	444.3	26.72
		101.4	314.9	15.02	341.1	17.84	371.5	20.75	404.0	23.39	416.0	23.95	432.3	24.57	444.3	25.03
		126.8	314.9	14.61	341.1	17.45	371.5	20.34	404.0	22.93	416.0	23.49	432.3	24.11	444.3	24.41
		152.1	314.9	14.41	341.1	17.26	371.5	20.14	404.0	22.70	416.0	23.26	432.3	23.88	444.3	24.11
	95	40.6	293.6	17.33	317.9	20.16	346.1	23.46	376.3	26.43	387.5	27.05	402.7	27.72	413.9	28.21
		50.7	293.6	16.99	317.9	19.83	346.1	23.08	376.3	26.00	387.5	26.61	402.7	27.28	413.9	27.77
		101.4	293.6	15.64	317.9	18.53	346.1	21.60	376.3	24.31	387.5	24.90	402.7	25.54	413.9	26.03
		126.8	293.6	15.20	317.9	18.14	346.1	21.14	376.3	23.83	387.5	24.44	402.7	25.05	413.9	25.39
		152.1	293.6	14.98	317.9	17.95	346.1	20.91	376.3	23.58	387.5	24.21	402.7	24.81	413.9	25.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	40.6	272.0	19.06	294.7	22.13	320.8	25.77	348.8	29.02	359.2	29.73	373.1	30.45	383.5	30.99
		50.7	272.0	18.68	294.7	21.78	320.8	25.36	348.8	28.56	359.2	29.25	373.1	29.97	383.5	30.50
		101.4	272.0	17.17	294.7	20.37	320.8	23.72	348.8	26.72	359.2	27.36	373.1	28.07	383.5	28.59
		126.8	272.0	16.69	294.7	19.94	320.8	23.24	348.8	26.18	359.2	26.84	373.1	27.54	383.5	27.87
		152.1	272.0	16.44	294.7	19.72	320.8	22.99	348.8	25.91	359.2	26.59	373.1	27.27	383.5	27.51
	113	40.6	250.4	20.79	271.5	24.10	295.5	28.09	321.3	31.62	330.9	32.41	343.5	33.17	353.1	33.77
		50.7	250.4	20.37	271.5	23.72	295.5	27.64	321.3	31.12	330.9	31.89	343.5	32.65	353.1	33.24
		101.4	250.4	18.71	271.5	22.21	295.5	25.85	321.3	29.12	330.9	29.81	343.5	30.61	353.1	31.14
		126.8	250.4	18.17	271.5	21.73	295.5	25.34	321.3	28.53	330.9	29.25	343.5	30.02	353.1	30.35
		152.1	250.4	17.90	271.5	21.48	295.5	25.08	321.3	28.24	330.9	28.97	343.5	29.73	353.1	29.96
100	23	26.8	299.5	6.44	324.3	7.46	353.3	8.69	384.0	9.79	395.5	10.02	410.9	10.27	422.4	10.41
	32	30.0	299.5	6.44	324.3	7.46	353.3	8.69	384.0	9.79	395.5	10.02	410.9	10.27	422.4	10.41
	41	34.5	299.5	6.44	324.3	7.46	353.3	8.69	384.0	9.79	395.5	10.02	410.9	10.27	422.4	10.41
	50	40.6	299.5	6.44	324.3	7.46	353.3	8.69	384.0	9.79	395.5	10.02	410.9	10.27	422.4	10.41
		50.7	299.5	6.30	324.3	7.34	353.3	8.54	384.0	9.63	395.5	9.85	410.9	10.10	422.4	10.24
		101.4	299.5	5.79	324.3	6.87	353.3	7.95	384.0	8.99	395.5	9.18	410.9	9.40	422.4	9.57
		126.8	299.5	5.59	324.3	6.70	353.3	7.83	384.0	8.79	395.5	9.04	410.9	9.23	422.4	9.33
		152.1	299.5	5.48	324.3	6.61	353.3	7.77	384.0	8.69	395.5	8.97	410.9	9.14	422.4	9.21
	59	40.6	299.5	8.70	324.3	10.09	353.3	11.76	384.0	13.24	395.5	13.55	410.9	13.89	422.4	14.12
		50.7	299.5	8.52	324.3	9.93	353.3	11.57	384.0	13.03	395.5	13.33	410.9	13.67	422.4	13.90
		101.4	299.5	7.83	324.3	9.29	353.3	10.80	384.0	12.18	395.5	12.46	410.9	12.77	422.4	13.00
		126.8	299.5	7.60	324.3	9.08	353.3	10.59	384.0	11.93	395.5	12.23	410.9	12.54	422.4	12.67
		152.1	299.5	7.49	324.3	8.98	353.3	10.49	384.0	11.80	395.5	12.12	410.9	12.42	422.4	12.50
	67	40.6	299.5	10.71	324.3	12.43	353.3	14.49	384.0	16.30	395.5	16.69	410.9	17.11	422.4	17.42
		50.7	299.5	10.49	324.3	12.23	353.3	14.25	384.0	16.05	395.5	16.43	410.9	16.84	422.4	17.15
		101.4	299.5	9.65	324.3	11.44	353.3	13.33	384.0	15.02	395.5	15.38	410.9	15.76	422.4	16.05
		126.8	299.5	9.39	324.3	11.21	353.3	13.05	384.0	14.71	395.5	15.07	410.9	15.48	422.4	15.64
		152.1	299.5	9.26	324.3	11.09	353.3	12.91	384.0	14.56	395.5	14.92	410.9	15.34	422.4	15.43
	75	40.6	299.5	13.05	324.3	15.17	353.3	17.69	384.0	19.90	395.5	20.36	410.9	20.89	422.4	21.24
		50.7	299.5	12.80	324.3	14.92	353.3	17.40	384.0	19.58	395.5	20.04	410.9	20.55	422.4	20.91
		101.4	299.5	11.77	324.3	13.95	353.3	16.25	384.0	18.30	395.5	18.76	410.9	19.22	422.4	19.58
		126.8	299.5	11.44	324.3	13.67	353.3	15.92	384.0	17.94	395.5	18.40	410.9	18.86	422.4	19.07
		152.1	299.5	11.27	324.3	13.53	353.3	15.75	384.0	17.76	395.5	18.22	410.9	18.68	422.4	18.81
	86	40.6	299.5	16.06	324.3	18.68	353.3	21.75	384.0	24.48	395.5	25.08	410.9	25.67	422.4	26.13
		50.7	299.5	15.74	324.3	18.37	353.3	21.39	384.0	24.08	395.5	24.67	410.9	25.26	422.4	25.72
		101.4	299.5	14.48	324.3	17.17	353.3	19.99	384.0	22.52	395.5	23.06	410.9	23.65	422.4	24.08
		126.8	299.5	14.08	324.3	16.81	353.3	19.58	384.0	22.08	395.5	22.62	410.9	23.21	422.4	23.44
		152.1	299.5	13.87	324.3	16.63	353.3	19.37	384.0	21.87	395.5	22.41	410.9	22.99	422.4	23.12
	95	40.6	284.5	16.94	308.3	19.69	335.7	22.94	364.8	25.83	375.7	26.45	390.4	27.10	401.3	27.59
		50.7	284.5	16.61	308.3	19.37	335.7	22.57	364.8	25.41	375.7	26.03	390.4	26.67	401.3	27.15
		101.4	284.5	15.28	308.3	18.12	335.7	21.11	364.8	23.77	375.7	24.34	390.4	24.95	401.3	25.41
		126.8	284.5	14.87	308.3	17.73	335.7	20.68	364.8	23.31	375.7	23.88	390.4	24.49	401.3	24.75
		152.1	284.5	14.66	308.3	17.54	335.7	20.46	364.8	23.08	375.7	23.65	390.4	24.26	401.3	24.42
	104	40.6	269.6	19.01	292.0	22.11	317.9	25.76	345.6	29.01	356.0	29.68	369.9	30.40	380.3	30.94
		50.7	269.6	18.63	292.0	21.75	317.9	25.34	345.6	28.53	356.0	29.20	369.9	29.92	380.3	30.45
		101.4	269.6	17.15	292.0	20.32	317.9	23.67	345.6	26.67	356.0	27.31	369.9	28.00	380.3	28.51
		126.8	269.6	16.66	292.0	19.88	317.9	23.19	345.6	26.15	356.0	26.79	369.9	27.48	380.3	27.77
		152.1	269.6	16.42	292.0	19.67	317.9	22.94	345.6	25.90	356.0	26.54	369.9	27.23	380.3	27.40
	113	40.6	254.7	21.07	275.7	24.54	300.0	28.57	326.4	32.19	336.3	32.90	349.3	33.70	359.2	34.30
		50.7	254.7	20.65	275.7	24.13	300.0	28.10	326.4	31.66	336.3	32.37	349.3	33.17	359.2	33.75
		101.4	254.7	19.01	275.7	22.52	300.0	26.23	326.4	29.56	336.3	30.27	349.3	31.04	359.2	31.60
		126.8	254.7	18.45	275.7	22.03	300.0	25.69	326.4	28.99	336.3	29.71	349.3	30.48	359.2	30.79
		152.1	254.7	18.17	275.7	21.79	300.0	25.43	326.4	28.71	336.3	29.43	349.3	30.20	359.2	30.38
90	23	26.8	269.6	5.50	292.0	6.41	317.9	7.45	345.6	8.42	356.0	8.58	369.9	8.77	380.3	8.98
	32	30.0	269.6	5.50	292.0	6.41	317.9	7.45	345.6	8.42	356.0	8.58	369.9	8.77	380.3	8.98
	41	34.5	269.6	5.50	292.0	6.41	317.9	7.45	345.6	8.42	356.0	8.58	369.9	8.77	380.3	8.98
	50	40.6	269.6	5.50	292.0	6.41	317.9	7.45	345.6	8.42	356.0	8.58	369.9	8.77	380.3	8.98
		50.7	269.6	5.39	292.0	6.30	317.9	7.33	345.6	8.27	356.0	8.44	369.9	8.64	380.3	8.84
		101.4	269.6	4.95	292.0	5.88	317.9	6.90	345.6	7.70	356.0	7.90	369.9	8.13	380.3	8.27
		126.8	269.6	4.82	292.0	5.73	317.9	6.72	345.6	7.56	356.0	7.75	369.9	7.98	380.3	8.02
		152.1	269.6	4.76	292.0	5.66	317.9	6.63	345.6	7.48	356.0	7.68	369.9	7.90	380.3	7.90

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	40.6	269.6	7.47	292.0	8.69	317.9	10.12	345.6	11.40	356.0	11.65	369.9	11.93	380.3	12.17
		50.7	269.6	7.32	292.0	8.55	317.9	9.95	345.6	11.21	356.0	11.46	369.9	11.75	380.3	11.98
		101.4	269.6	6.73	292.0	7.98	317.9	9.32	345.6	10.47	356.0	10.72	369.9	11.00	380.3	11.21
		126.8	269.6	6.55	292.0	7.81	317.9	9.11	345.6	10.26	356.0	10.52	369.9	10.80	380.3	10.90
		152.1	269.6	6.46	292.0	7.72	317.9	9.01	345.6	10.16	356.0	10.42	369.9	10.70	380.3	10.75
	67	40.6	269.6	9.21	292.0	10.72	317.9	12.49	345.6	14.05	356.0	14.38	369.9	14.75	380.3	15.01
		50.7	269.6	9.03	292.0	10.54	317.9	12.28	345.6	13.82	356.0	14.15	369.9	14.51	380.3	14.77
		101.4	269.6	8.32	292.0	9.85	317.9	11.46	345.6	12.92	356.0	13.23	369.9	13.56	380.3	13.82
		126.8	269.6	8.09	292.0	9.65	317.9	11.23	345.6	12.67	356.0	12.97	369.9	13.31	380.3	13.46
		152.1	269.6	7.97	292.0	9.55	317.9	11.12	345.6	12.54	356.0	12.85	369.9	13.18	380.3	13.28
	75	40.6	269.6	11.22	292.0	13.06	317.9	15.22	345.6	17.14	356.0	17.53	369.9	17.97	380.3	18.28
		50.7	269.6	11.00	292.0	12.85	317.9	14.97	345.6	16.86	356.0	17.25	369.9	17.68	380.3	17.99
		101.4	269.6	10.13	292.0	12.00	317.9	14.00	345.6	15.76	356.0	16.15	369.9	16.56	380.3	16.84
		126.8	269.6	9.85	292.0	11.75	317.9	13.72	345.6	15.46	356.0	15.84	369.9	16.25	380.3	16.40
		152.1	269.6	9.71	292.0	11.62	317.9	13.58	345.6	15.30	356.0	15.69	369.9	16.10	380.3	16.19
	86	40.6	269.6	13.81	292.0	16.08	317.9	18.70	345.6	21.07	356.0	21.56	369.9	22.11	380.3	22.49
		50.7	269.6	13.54	292.0	15.82	317.9	18.40	345.6	20.73	356.0	21.21	369.9	21.75	380.3	22.14
		101.4	269.6	12.46	292.0	14.77	317.9	17.22	345.6	19.37	356.0	19.86	369.9	20.34	380.3	20.73
		126.8	269.6	12.13	292.0	14.46	317.9	16.86	345.6	19.01	356.0	19.47	369.9	19.99	380.3	20.17
		152.1	269.6	11.96	292.0	14.31	317.9	16.69	345.6	18.84	356.0	19.28	369.9	19.81	380.3	19.89
	95	40.6	262.1	14.91	283.7	17.32	309.1	20.18	336.0	22.73	346.1	23.28	359.5	23.85	369.6	24.26
		50.7	262.1	14.61	283.7	17.04	309.1	19.86	336.0	22.37	346.1	22.90	359.5	23.47	369.6	23.88
		101.4	262.1	13.44	283.7	15.94	309.1	18.58	336.0	20.91	346.1	21.42	359.5	21.96	369.6	22.37
		126.8	262.1	13.08	283.7	15.61	309.1	18.20	336.0	20.50	346.1	21.01	359.5	21.55	369.6	21.78
		152.1	262.1	12.90	283.7	15.44	309.1	18.00	336.0	20.29	346.1	20.81	359.5	21.34	369.6	21.48
	104	40.6	254.7	17.12	275.7	19.89	300.3	23.20	326.4	26.11	336.3	26.74	349.3	27.38	358.9	27.87
		50.7	254.7	16.79	275.7	19.58	300.3	22.83	326.4	25.69	336.3	26.31	349.3	26.95	358.9	27.43
		101.4	254.7	15.46	275.7	18.32	300.3	21.34	326.4	24.03	336.3	24.59	349.3	25.23	358.9	25.69
		126.8	254.7	15.02	275.7	17.91	300.3	20.91	326.4	23.54	336.3	24.13	349.3	24.75	358.9	25.00
		152.1	254.7	14.81	275.7	17.71	300.3	20.69	326.4	23.30	336.3	23.90	349.3	24.50	358.9	24.66
	113	40.6	247.2	19.34	267.7	22.47	291.5	26.22	316.8	29.49	326.4	30.20	339.2	30.91	348.3	31.49
		50.7	247.2	18.96	267.7	22.11	291.5	25.80	316.8	29.02	326.4	29.71	339.2	30.43	348.3	30.99
		101.4	247.2	17.48	267.7	20.70	291.5	24.11	316.8	27.15	326.4	27.77	339.2	28.51	348.3	29.02
		126.8	247.2	16.97	267.7	20.22	291.5	23.62	316.8	26.59	326.4	27.25	339.2	27.95	348.3	28.23
		152.1	247.2	16.71	267.7	19.97	291.5	23.38	316.8	26.31	326.4	27.00	339.2	27.67	348.3	27.83
80	23	26.8	239.7	4.62	259.5	5.38	282.7	6.25	307.2	7.03	316.5	7.21	328.8	7.39	337.9	7.50
	32	30.0	239.7	4.62	259.5	5.38	282.7	6.25	307.2	7.03	316.5	7.21	328.8	7.39	337.9	7.50
	41	34.5	239.7	4.62	259.5	5.38	282.7	6.25	307.2	7.03	316.5	7.21	328.8	7.39	337.9	7.50
	50	40.6	239.7	4.62	259.5	5.38	282.7	6.25	307.2	7.03	316.5	7.21	328.8	7.39	337.9	7.50
		50.7	239.7	4.53	259.5	5.29	282.7	6.15	307.2	6.92	316.5	7.09	328.8	7.26	337.9	7.38
		101.4	239.7	4.19	259.5	4.95	282.7	5.76	307.2	6.47	316.5	6.62	328.8	6.77	337.9	6.92
		126.8	239.7	4.06	259.5	4.82	282.7	5.67	307.2	6.38	316.5	6.53	328.8	6.70	337.9	6.72
		152.1	239.7	4.00	259.5	4.76	282.7	5.62	307.2	6.33	316.5	6.48	328.8	6.66	337.9	6.62
	59	40.6	239.7	6.26	259.5	7.28	282.7	8.48	307.2	9.55	316.5	9.78	328.8	10.01	337.9	10.19
		50.7	239.7	6.14	259.5	7.17	282.7	8.34	307.2	9.39	316.5	9.62	328.8	9.85	337.9	10.03
		101.4	239.7	5.66	259.5	6.70	282.7	7.81	307.2	8.78	316.5	8.98	328.8	9.21	337.9	9.39
		126.8	239.7	5.50	259.5	6.55	282.7	7.65	307.2	8.62	316.5	8.83	328.8	9.06	337.9	9.14
		152.1	239.7	5.43	259.5	6.47	282.7	7.58	307.2	8.55	316.5	8.75	328.8	8.98	337.9	9.01
	67	40.6	239.7	7.73	259.5	8.97	282.7	10.46	307.2	11.79	316.5	12.07	328.8	12.35	337.9	12.59
		50.7	239.7	7.57	259.5	8.83	282.7	10.29	307.2	11.59	316.5	11.87	328.8	12.16	337.9	12.39
		101.4	239.7	6.96	259.5	8.27	282.7	9.62	307.2	10.82	316.5	11.08	328.8	11.39	337.9	11.59
		126.8	239.7	6.78	259.5	8.09	282.7	9.42	307.2	10.62	316.5	10.88	328.8	11.16	337.9	11.29
		152.1	239.7	6.69	259.5	8.00	282.7	9.32	307.2	10.52	316.5	10.77	328.8	11.04	337.9	11.13
	75	40.6	239.7	9.43	259.5	10.95	282.7	12.75	307.2	14.36	316.5	14.69	328.8	15.06	337.9	15.34
		50.7	239.7	9.24	259.5	10.77	282.7	12.54	307.2	14.13	316.5	14.46	328.8	14.82	337.9	15.10
		101.4	239.7	8.50	259.5	10.08	282.7	11.72	307.2	13.20	316.5	13.54	328.8	13.87	337.9	14.13
		126.8	239.7	8.27	259.5	9.85	282.7	11.49	307.2	12.95	316.5	13.28	328.8	13.61	337.9	13.74
		152.1	239.7	8.15	259.5	9.74	282.7	11.38	307.2	12.82	316.5	13.15	328.8	13.49	337.9	13.55

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	40.6	239.7	11.60	259.5	13.48	282.7	15.68	307.2	17.66	316.5	18.08	328.8	18.51	337.9	18.85
		50.7	239.7	11.36	259.5	13.26	282.7	15.43	307.2	17.38	316.5	17.79	328.8	18.22	337.9	18.55
		101.4	239.7	10.44	259.5	12.39	282.7	14.43	307.2	16.25	316.5	16.63	328.8	17.07	337.9	17.38
		126.8	239.7	10.16	259.5	12.13	282.7	14.13	307.2	15.94	316.5	16.33	328.8	16.74	337.9	16.92
		152.1	239.7	10.02	259.5	12.00	282.7	13.97	307.2	15.79	316.5	16.17	328.8	16.57	337.9	16.69
	95	40.6	239.7	12.87	259.5	14.95	282.7	17.42	307.2	19.64	316.5	20.11	328.8	20.60	337.9	20.96
		50.7	239.7	12.62	259.5	14.71	282.7	17.15	307.2	19.32	316.5	19.78	328.8	20.27	337.9	20.63
		101.4	239.7	11.62	259.5	13.77	282.7	16.05	307.2	18.07	316.5	18.48	328.8	18.96	337.9	19.30
		126.8	239.7	11.29	259.5	13.46	282.7	15.71	307.2	17.71	316.5	18.14	328.8	18.60	337.9	18.78
		152.1	239.7	11.12	259.5	13.31	282.7	15.55	307.2	17.53	316.5	17.98	328.8	18.43	337.9	18.53
	104	40.6	239.7	15.25	259.5	17.71	282.7	20.66	307.2	23.25	316.5	23.80	328.8	24.37	337.9	24.81
		50.7	239.7	14.95	259.5	17.43	282.7	20.32	307.2	22.88	316.5	23.42	328.8	23.98	337.9	24.41
		101.4	239.7	13.74	259.5	16.30	282.7	18.99	307.2	21.39	316.5	21.88	328.8	22.44	337.9	22.85
		126.8	239.7	13.36	259.5	15.94	282.7	18.60	307.2	20.96	316.5	21.47	328.8	22.03	337.9	22.26
		152.1	239.7	13.17	259.5	15.76	282.7	18.41	307.2	20.74	316.5	21.27	328.8	21.83	337.9	21.97
	113	40.6	239.7	17.63	259.5	20.47	282.7	23.89	307.2	26.87	316.5	27.50	328.8	28.14	337.9	28.65
		50.7	239.7	17.27	259.5	20.14	282.7	23.49	307.2	26.44	316.5	27.05	328.8	27.69	337.9	28.20
		101.4	239.7	15.87	259.5	18.83	282.7	21.93	307.2	24.72	316.5	25.28	328.8	25.92	337.9	26.41
		126.8	239.7	15.43	259.5	18.43	282.7	21.50	307.2	24.21	316.5	24.80	328.8	25.46	337.9	25.74
		152.1	239.7	15.21	259.5	18.22	282.7	21.28	307.2	23.95	316.5	24.56	328.8	25.23	337.9	25.41
70	23	26.8	209.6	3.81	226.9	4.48	247.2	5.22	268.8	5.86	276.8	5.98	287.7	6.12	295.7	6.25
	32	30.0	209.6	3.81	226.9	4.48	247.2	5.22	268.8	5.86	276.8	5.98	287.7	6.12	295.7	6.25
	41	34.5	209.6	3.81	226.9	4.48	247.2	5.22	268.8	5.86	276.8	5.98	287.7	6.12	295.7	6.25
	50	40.6	209.6	3.81	226.9	4.48	247.2	5.22	268.8	5.86	276.8	5.98	287.7	6.12	295.7	6.25
		50.7	209.6	3.74	226.9	4.41	247.2	5.12	268.8	5.76	276.8	5.88	287.7	6.03	295.7	6.15
		101.4	209.6	3.45	226.9	4.14	247.2	4.75	268.8	5.36	276.8	5.51	287.7	5.66	295.7	5.76
		126.8	209.6	3.35	226.9	4.01	247.2	4.68	268.8	5.29	276.8	5.42	287.7	5.54	295.7	5.61
		152.1	209.6	3.30	226.9	3.95	247.2	4.64	268.8	5.26	276.8	5.37	287.7	5.48	295.7	5.54
	59	40.6	209.6	5.20	226.9	6.06	247.2	7.05	268.8	7.93	276.8	8.11	287.7	8.32	295.7	8.48
		50.7	209.6	5.09	226.9	5.96	247.2	6.94	268.8	7.81	276.8	7.98	287.7	8.19	295.7	8.34
		101.4	209.6	4.68	226.9	5.58	247.2	6.47	268.8	7.29	276.8	7.47	287.7	7.68	295.7	7.81
		126.8	209.6	4.56	226.9	5.45	247.2	6.35	268.8	7.17	276.8	7.34	287.7	7.52	295.7	7.60
		152.1	209.6	4.49	226.9	5.39	247.2	6.28	268.8	7.10	276.8	7.28	287.7	7.45	295.7	7.50
	67	40.6	209.6	6.42	226.9	7.47	247.2	8.68	268.8	9.78	276.8	10.01	287.7	10.27	295.7	10.46
		50.7	209.6	6.30	226.9	7.34	247.2	8.55	268.8	9.62	276.8	9.85	287.7	10.11	295.7	10.29
		101.4	209.6	5.78	226.9	6.86	247.2	8.01	268.8	9.01	276.8	9.21	287.7	9.47	295.7	9.62
		126.8	209.6	5.63	226.9	6.73	247.2	7.83	268.8	8.83	276.8	9.06	287.7	9.29	295.7	9.37
		152.1	209.6	5.55	226.9	6.67	247.2	7.74	268.8	8.74	276.8	8.98	287.7	9.20	295.7	9.24
	75	40.6	209.6	7.83	226.9	9.11	247.2	10.62	268.8	11.94	276.8	12.23	287.7	12.54	295.7	12.74
		50.7	209.6	7.68	226.9	8.96	247.2	10.44	268.8	11.75	276.8	12.03	287.7	12.33	295.7	12.54
		101.4	209.6	7.06	226.9	8.37	247.2	9.75	268.8	10.98	276.8	11.23	287.7	11.54	295.7	11.75
		126.8	209.6	6.86	226.9	8.19	247.2	9.55	268.8	10.77	276.8	11.03	287.7	11.31	295.7	11.44
		152.1	209.6	6.76	226.9	8.10	247.2	9.44	268.8	10.67	276.8	10.93	287.7	11.20	295.7	11.29
	86	40.6	209.6	9.64	226.9	11.19	247.2	13.03	268.8	14.70	276.8	15.03	287.7	15.40	295.7	15.68
		50.7	209.6	9.44	226.9	11.00	247.2	12.82	268.8	14.46	276.8	14.79	287.7	15.15	295.7	15.43
		101.4	209.6	8.68	226.9	10.29	247.2	12.00	268.8	13.51	276.8	13.84	287.7	14.18	295.7	14.43
		126.8	209.6	8.45	226.9	10.08	247.2	11.75	268.8	13.26	276.8	13.56	287.7	13.92	295.7	14.08
		152.1	209.6	8.33	226.9	9.98	247.2	11.62	268.8	13.13	276.8	13.42	287.7	13.79	295.7	13.90
	95	40.6	209.6	10.71	226.9	12.43	247.2	14.49	268.8	16.30	276.8	16.69	287.7	17.11	295.7	17.42
		50.7	209.6	10.49	226.9	12.23	247.2	14.25	268.8	16.05	276.8	16.43	287.7	16.84	295.7	17.15
		101.4	209.6	9.65	226.9	11.44	247.2	13.33	268.8	15.02	276.8	15.38	287.7	15.76	295.7	16.05
		126.8	209.6	9.39	226.9	11.21	247.2	13.05	268.8	14.71	276.8	15.07	287.7	15.46	295.7	15.64
		152.1	209.6	9.26	226.9	11.09	247.2	12.91	268.8	14.56	276.8	14.92	287.7	15.30	295.7	15.43
	104	40.6	209.6	12.69	226.9	14.72	247.2	17.17	268.8	19.32	276.8	19.80	287.7	20.26	295.7	20.62
		50.7	209.6	12.44	226.9	14.48	247.2	16.89	268.8	19.01	276.8	19.47	287.7	19.94	295.7	20.29
		101.4	209.6	11.44	226.9	13.56	247.2	15.79	268.8	17.79	276.8	18.20	287.7	18.66	295.7	19.01
		126.8	209.6	11.11	226.9	13.26	247.2	15.46	268.8	17.43	276.8	17.86	287.7	18.32	295.7	18.50
		152.1	209.6	10.94	226.9	13.10	247.2	15.29	268.8	17.25	276.8	17.70	287.7	18.16	295.7	18.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	40.6	209.6	14.67	226.9	17.00	247.2	19.85	268.8	22.34	276.8	22.90	287.7	23.41	295.7	23.81
		50.7	209.6	14.38	226.9	16.74	247.2	19.53	268.8	21.98	276.8	22.52	287.7	23.03	295.7	23.44
		101.4	209.6	13.23	226.9	15.69	247.2	18.25	268.8	20.55	276.8	21.01	287.7	21.55	295.7	21.98
		126.8	209.6	12.82	226.9	15.30	247.2	17.86	268.8	20.14	276.8	20.65	287.7	21.19	295.7	21.37
		152.1	209.6	12.62	226.9	15.11	247.2	17.67	268.8	19.94	276.8	20.47	287.7	21.01	295.7	21.06
60	23	26.8	179.7	3.07	194.7	3.52	212.0	4.16	230.4	4.66	237.3	4.78	246.4	4.87	253.3	5.01
	32	30.0	179.7	3.07	194.7	3.52	212.0	4.16	230.4	4.66	237.3	4.78	246.4	4.87	253.3	5.01
	41	34.5	179.7	3.07	194.7	3.52	212.0	4.16	230.4	4.66	237.3	4.78	246.4	4.87	253.3	5.01
	50	40.6	179.7	3.07	194.7	3.52	212.0	4.16	230.4	4.66	237.3	4.78	246.4	4.87	253.3	5.01
		50.7	179.7	3.00	194.7	3.47	212.0	4.09	230.4	4.58	237.3	4.70	246.4	4.80	253.3	4.93
		101.4	179.7	2.76	194.7	3.25	212.0	3.82	230.4	4.25	237.3	4.41	246.4	4.50	253.3	4.58
		126.8	179.7	2.68	194.7	3.23	212.0	3.74	230.4	4.21	237.3	4.33	246.4	4.40	253.3	4.48
		152.1	179.7	2.65	194.7	3.22	212.0	3.71	230.4	4.19	237.3	4.30	246.4	4.36	253.3	4.43
	59	40.6	179.7	4.15	194.7	4.81	212.0	5.62	230.4	6.32	237.3	6.48	246.4	6.63	253.3	6.76
		50.7	179.7	4.07	194.7	4.73	212.0	5.53	230.4	6.22	237.3	6.37	246.4	6.53	253.3	6.65
		101.4	179.7	3.74	194.7	4.43	212.0	5.17	230.4	5.81	237.3	5.96	246.4	6.12	253.3	6.22
		126.8	179.7	3.63	194.7	4.35	212.0	5.07	230.4	5.71	237.3	5.86	246.4	5.99	253.3	6.07
		152.1	179.7	3.58	194.7	4.31	212.0	5.02	230.4	5.66	237.3	5.81	246.4	5.92	253.3	5.99
	67	40.6	179.7	5.12	194.7	5.96	212.0	6.92	230.4	7.80	237.3	7.99	246.4	8.19	253.3	8.32
		50.7	179.7	5.02	194.7	5.86	212.0	6.81	230.4	7.68	237.3	7.86	246.4	8.06	253.3	8.19
		101.4	179.7	4.61	194.7	5.48	212.0	6.37	230.4	7.19	237.3	7.34	246.4	7.55	253.3	7.68
		126.8	179.7	4.48	194.7	5.35	212.0	6.24	230.4	7.04	237.3	7.22	246.4	7.40	253.3	7.47
		152.1	179.7	4.41	194.7	5.28	212.0	6.18	230.4	6.96	237.3	7.15	246.4	7.32	253.3	7.37
	75	40.6	179.7	6.24	194.7	7.26	212.0	8.45	230.4	9.52	237.3	9.76	246.4	9.99	253.3	10.17
		50.7	179.7	6.12	194.7	7.14	212.0	8.32	230.4	9.37	237.3	9.60	246.4	9.83	253.3	10.01
		101.4	179.7	5.63	194.7	6.68	212.0	7.78	230.4	8.75	237.3	8.96	246.4	9.19	253.3	9.37
		126.8	179.7	5.48	194.7	6.53	212.0	7.63	230.4	8.57	237.3	8.80	246.4	9.03	253.3	9.11
		152.1	179.7	5.40	194.7	6.45	212.0	7.55	230.4	8.48	237.3	8.73	246.4	8.96	253.3	8.98
	86	40.6	179.7	7.67	194.7	8.92	212.0	10.40	230.4	11.70	237.3	11.99	246.4	12.27	253.3	12.51
		50.7	179.7	7.52	194.7	8.78	212.0	10.24	230.4	11.52	237.3	11.80	246.4	12.08	253.3	12.31
		101.4	179.7	6.94	194.7	8.21	212.0	9.57	230.4	10.77	237.3	11.03	246.4	11.31	253.3	11.52
		126.8	179.7	6.73	194.7	8.04	212.0	9.37	230.4	10.57	237.3	10.82	246.4	11.11	253.3	11.21
		152.1	179.7	6.63	194.7	7.95	212.0	9.26	230.4	10.47	237.3	10.72	246.4	11.00	253.3	11.06
	95	40.6	179.7	8.54	194.7	9.91	212.0	11.55	230.4	13.00	237.3	13.32	246.4	13.66	253.3	13.89
		50.7	179.7	8.37	194.7	9.75	212.0	11.36	230.4	12.80	237.3	13.10	246.4	13.44	253.3	13.67
		101.4	179.7	7.70	194.7	9.11	212.0	10.62	230.4	11.98	237.3	12.26	246.4	12.57	253.3	12.80
		126.8	179.7	7.47	194.7	8.93	212.0	10.42	230.4	11.72	237.3	12.03	246.4	12.33	253.3	12.46
		152.1	179.7	7.36	194.7	8.84	212.0	10.31	230.4	11.59	237.3	11.91	246.4	12.22	253.3	12.30
	104	40.6	179.7	10.10	194.7	11.76	212.0	13.68	230.4	15.40	237.3	15.76	246.4	16.15	253.3	16.46
		50.7	179.7	9.90	194.7	11.57	212.0	13.46	230.4	15.15	237.3	15.51	246.4	15.89	253.3	16.20
		101.4	179.7	9.11	194.7	10.80	212.0	12.59	230.4	14.18	237.3	14.51	246.4	14.87	253.3	15.15
		126.8	179.7	8.85	194.7	10.57	212.0	12.33	230.4	13.90	237.3	14.23	246.4	14.61	253.3	14.74
		152.1	179.7	8.73	194.7	10.45	212.0	12.21	230.4	13.76	237.3	14.09	246.4	14.49	253.3	14.54
	113	40.6	179.7	11.67	194.7	13.61	212.0	15.81	230.4	17.79	237.3	18.20	246.4	18.65	253.3	19.04
		50.7	179.7	11.44	194.7	13.38	212.0	15.56	230.4	17.50	237.3	17.91	246.4	18.35	253.3	18.73
		101.4	179.7	10.52	194.7	12.49	212.0	14.56	230.4	16.38	237.3	16.76	246.4	17.17	253.3	17.50
		126.8	179.7	10.24	194.7	12.21	212.0	14.25	230.4	16.07	237.3	16.43	246.4	16.89	253.3	17.02
		152.1	179.7	10.10	194.7	12.07	212.0	14.10	230.4	15.92	237.3	16.26	246.4	16.75	253.3	16.78
50	23	26.8	149.9	2.32	162.1	2.62	176.5	3.07	192.0	3.44	197.9	3.58	205.3	3.62	211.2	3.74
	32	30.0	149.9	2.32	162.1	2.62	176.5	3.07	192.0	3.44	197.9	3.58	205.3	3.62	211.2	3.74
	41	34.5	149.9	2.32	162.1	2.62	176.5	3.07	192.0	3.44	197.9	3.58	205.3	3.62	211.2	3.74
	50	40.6	149.9	2.32	162.1	2.62	176.5	3.07	192.0	3.44	197.9	3.58	205.3	3.62	211.2	3.74
		50.7	149.9	2.27	162.1	2.58	176.5	3.03	192.0	3.39	197.9	3.52	205.3	3.57	211.2	3.67
		101.4	149.9	2.07	162.1	2.44	176.5	2.86	192.0	3.23	197.9	3.30	205.3	3.35	211.2	3.39
		126.8	149.9	1.99	162.1	2.42	176.5	2.81	192.0	3.13	197.9	3.20	205.3	3.30	211.2	3.35
		152.1	149.9	1.95	162.1	2.40	176.5	2.78	192.0	3.07	197.9	3.15	205.3	3.27	211.2	3.33
	59	40.6	149.9	3.11	162.1	3.59	176.5	4.18	192.0	4.70	197.9	4.84	205.3	4.94	211.2	5.05
		50.7	149.9	3.05	162.1	3.53	176.5	4.12	192.0	4.63	197.9	4.76	205.3	4.86	211.2	4.96
		101.4	149.9	2.79	162.1	3.30	176.5	3.86	192.0	4.35	197.9	4.45	205.3	4.56	211.2	4.63
		126.8	149.9	2.71	162.1	3.25	176.5	3.79	192.0	4.25	197.9	4.35	205.3	4.48	211.2	4.53
		152.1	149.9	2.67	162.1	3.22	176.5	3.75	192.0	4.20	197.9	4.30	205.3	4.44	211.2	4.48

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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Cooling Capacity

ARWN384DAS4, ARWB384DAS4
384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	40.6	149.9	3.81	162.1	4.45	176.5	5.18	192.0	5.83	197.9	5.96	205.3	6.11	211.2	6.21
		50.7	149.9	3.74	162.1	4.38	176.5	5.09	192.0	5.73	197.9	5.86	205.3	6.01	211.2	6.12
		101.4	149.9	3.43	162.1	4.07	176.5	4.76	192.0	5.35	197.9	5.48	205.3	5.63	211.2	5.73
		126.8	149.9	3.35	162.1	3.99	176.5	4.66	192.0	5.25	197.9	5.37	205.3	5.53	211.2	5.58
		152.1	149.9	3.31	162.1	3.95	176.5	4.61	192.0	5.20	197.9	5.32	205.3	5.48	211.2	5.50
	75	40.6	149.9	4.65	162.1	5.41	176.5	6.29	192.0	7.10	197.9	7.26	205.3	7.44	211.2	7.56
		50.7	149.9	4.56	162.1	5.32	176.5	6.19	192.0	6.99	197.9	7.14	205.3	7.32	211.2	7.45
		101.4	149.9	4.20	162.1	4.96	176.5	5.81	192.0	6.53	197.9	6.68	205.3	6.86	211.2	6.99
		126.8	149.9	4.07	162.1	4.86	176.5	5.68	192.0	6.40	197.9	6.55	205.3	6.73	211.2	6.81
		152.1	149.9	4.01	162.1	4.81	176.5	5.62	192.0	6.33	197.9	6.49	205.3	6.67	211.2	6.72
	86	40.6	149.9	5.71	162.1	6.66	176.5	7.75	192.0	8.74	197.9	8.95	205.3	9.15	211.2	9.31
		50.7	149.9	5.60	162.1	6.55	176.5	7.63	192.0	8.60	197.9	8.80	205.3	9.01	211.2	9.16
		101.4	149.9	5.17	162.1	6.12	176.5	7.14	192.0	8.04	197.9	8.21	205.3	8.45	211.2	8.57
		126.8	149.9	5.02	162.1	5.99	176.5	6.99	192.0	7.88	197.9	8.06	205.3	8.27	211.2	8.37
		152.1	149.9	4.94	162.1	5.92	176.5	6.91	192.0	7.81	197.9	7.98	205.3	8.18	211.2	8.27
	95	40.6	149.9	6.37	162.1	7.38	176.5	8.61	192.0	9.70	197.9	9.94	205.3	10.17	211.2	10.35
		50.7	149.9	6.24	162.1	7.27	176.5	8.47	192.0	9.55	197.9	9.78	205.3	10.01	211.2	10.19
		101.4	149.9	5.73	162.1	6.81	176.5	7.93	192.0	8.93	197.9	9.14	205.3	9.37	211.2	9.55
		126.8	149.9	5.58	162.1	6.65	176.5	7.75	192.0	8.75	197.9	8.96	205.3	9.19	211.2	9.29
		152.1	149.9	5.50	162.1	6.58	176.5	7.66	192.0	8.66	197.9	8.87	205.3	9.10	211.2	9.16
	104	40.6	149.9	7.55	162.1	8.77	176.5	10.19	192.0	11.50	197.9	11.75	205.3	12.04	211.2	12.28
		50.7	149.9	7.40	162.1	8.62	176.5	10.03	192.0	11.31	197.9	11.57	205.3	11.85	211.2	12.08
		101.4	149.9	6.78	162.1	8.06	176.5	9.39	192.0	10.57	197.9	10.82	205.3	11.11	211.2	11.29
		126.8	149.9	6.60	162.1	7.88	176.5	9.19	192.0	10.36	197.9	10.62	205.3	10.88	211.2	11.00
		152.1	149.9	6.51	162.1	7.79	176.5	9.09	192.0	10.26	197.9	10.52	205.3	10.76	211.2	10.86
	113	40.6	149.9	8.73	162.1	10.15	176.5	11.78	192.0	13.30	197.9	13.57	205.3	13.90	211.2	14.21
		50.7	149.9	8.55	162.1	9.98	176.5	11.59	192.0	13.08	197.9	13.36	205.3	13.69	211.2	13.97
		101.4	149.9	7.83	162.1	9.32	176.5	10.85	192.0	12.21	197.9	12.51	205.3	12.85	211.2	13.03
		126.8	149.9	7.63	162.1	9.11	176.5	10.62	192.0	11.98	197.9	12.28	205.3	12.57	211.2	12.72
		152.1	149.9	7.52	162.1	9.01	176.5	10.51	192.0	11.86	197.9	12.17	205.3	12.43	211.2	12.57

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	32.1	446.1	9.23	483.3	10.81	526.0	12.59	571.7	14.13	589.0	14.47	611.7	14.90	629.1	15.13
	32	36.0	446.1	9.23	483.3	10.81	526.0	12.59	571.7	14.13	589.0	14.47	611.7	14.90	629.1	15.13
	41	41.4	446.1	9.23	483.3	10.81	526.0	12.59	571.7	14.13	589.0	14.47	611.7	14.90	629.1	15.13
	50	48.7	446.1	9.23	483.3	10.81	526.0	12.59	571.7	14.13	589.0	14.47	611.7	14.90	629.1	15.13
		60.9	446.1	9.08	483.3	10.62	526.0	12.39	571.7	13.92	589.0	14.24	611.7	14.65	629.1	14.90
		121.7	446.1	8.40	483.3	9.89	526.0	11.54	571.7	13.01	589.0	13.37	611.7	13.67	629.1	13.97
		152.1	446.1	8.15	483.3	9.71	526.0	11.34	571.7	12.72	589.0	13.09	611.7	13.43	629.1	13.63
		182.6	446.1	8.03	483.3	9.62	526.0	11.23	571.7	12.58	589.0	12.94	611.7	13.29	629.1	13.45
	59	48.7	439.0	12.16	475.3	14.18	517.7	16.52	562.7	18.57	579.7	19.01	602.0	19.50	619.0	19.84
		60.9	439.0	11.93	475.3	13.95	517.7	16.25	562.7	18.27	579.7	18.70	602.0	19.20	619.0	19.54
		121.7	439.0	11.00	475.3	13.02	517.7	15.18	562.7	17.10	579.7	17.54	602.0	17.99	619.0	18.35
		152.1	439.0	10.70	475.3	12.76	517.7	14.87	562.7	16.74	579.7	17.20	602.0	17.64	619.0	17.92
		182.6	439.0	10.55	475.3	12.62	517.7	14.73	562.7	16.57	579.7	17.01	602.0	17.44	619.0	17.72
	67	48.7	432.7	14.78	468.3	17.18	510.3	20.01	554.7	22.52	571.3	23.06	593.3	23.59	610.0	24.03
		60.9	432.7	14.48	468.3	16.90	510.3	19.68	554.7	22.15	571.3	22.69	593.3	23.24	610.0	23.67
		121.7	432.7	13.31	468.3	15.80	510.3	18.42	554.7	20.72	571.3	21.22	593.3	21.81	610.0	22.25
		152.1	432.7	12.97	468.3	15.47	510.3	18.02	554.7	20.32	571.3	20.83	593.3	21.37	610.0	21.75
		182.6	432.7	12.80	468.3	15.31	510.3	17.83	554.7	20.11	571.3	20.63	593.3	21.14	610.0	21.50
	75	48.7	432.7	18.23	468.3	21.18	510.3	24.67	554.7	27.80	571.3	28.44	593.3	29.13	610.0	29.61
		60.9	432.7	17.88	468.3	20.83	510.3	24.26	554.7	27.36	571.3	27.99	593.3	28.69	610.0	29.17
		121.7	432.7	16.45	468.3	19.49	510.3	22.69	554.7	25.55	571.3	26.18	593.3	26.90	610.0	27.41
		152.1	432.7	15.96	468.3	19.07	510.3	22.24	554.7	25.06	571.3	25.69	593.3	26.38	610.0	26.82
		182.6	432.7	15.72	468.3	18.84	510.3	22.00	554.7	24.80	571.3	25.46	593.3	26.12	610.0	26.51
	86	48.7	432.7	21.90	468.3	25.40	510.3	29.60	554.7	33.36	571.3	34.14	593.3	34.97	610.0	35.56
		60.9	432.7	21.46	468.3	25.00	510.3	29.13	554.7	32.82	571.3	33.60	593.3	34.41	610.0	35.02
		121.7	432.7	19.69	468.3	23.37	510.3	27.24	554.7	30.65	571.3	31.43	593.3	32.26	610.0	32.91
		152.1	432.7	19.16	468.3	22.89	510.3	26.67	554.7	30.05	571.3	30.85	593.3	31.63	610.0	32.17
		182.6	432.7	18.87	468.3	22.62	510.3	26.40	554.7	29.77	571.3	30.55	593.3	31.30	610.0	31.79
	95	48.7	389.3	22.10	421.7	25.70	459.0	29.95	499.0	33.68	514.0	34.53	534.0	35.36	549.0	35.94
		60.9	389.3	21.66	421.7	25.29	459.0	29.47	499.0	33.16	514.0	33.97	534.0	34.80	549.0	35.40
		121.7	389.3	19.94	421.7	23.63	459.0	27.53	499.0	31.01	514.0	31.77	534.0	32.62	549.0	33.29
		152.1	389.3	19.39	421.7	23.13	459.0	26.96	499.0	30.41	514.0	31.19	534.0	31.98	549.0	32.52
		182.6	389.3	19.12	421.7	22.88	459.0	26.67	499.0	30.09	514.0	30.89	534.0	31.66	549.0	32.13
	104	48.7	346.0	23.36	374.7	27.09	408.0	31.59	443.7	35.55	457.0	36.38	474.7	37.26	488.0	37.94
		60.9	346.0	22.89	374.7	26.65	408.0	31.08	443.7	34.97	457.0	35.80	474.7	36.68	488.0	37.36
		121.7	346.0	21.03	374.7	24.95	408.0	29.06	443.7	32.72	457.0	33.53	474.7	34.41	488.0	35.11
		152.1	346.0	20.43	374.7	24.41	408.0	28.44	443.7	32.07	457.0	32.91	474.7	33.74	488.0	34.33
		182.6	346.0	20.13	374.7	24.15	408.0	28.12	443.7	31.73	457.0	32.59	474.7	33.41	488.0	33.93
	113	48.7	302.7	24.59	327.7	28.48	357.0	33.20	388.3	37.41	400.0	38.22	415.3	39.15	427.0	39.94
		60.9	302.7	24.09	327.7	28.04	357.0	32.69	388.3	36.81	400.0	37.64	415.3	38.56	427.0	39.33
		121.7	302.7	22.12	327.7	26.26	357.0	30.59	388.3	34.40	400.0	35.31	415.3	36.22	427.0	36.91
		152.1	302.7	21.48	327.7	25.68	357.0	29.91	388.3	33.73	400.0	34.62	415.3	35.50	427.0	36.12
		182.6	302.7	21.16	327.7	25.41	357.0	29.57	388.3	33.40	400.0	34.28	415.3	35.14	427.0	35.73
120	23	32.1	422.3	8.81	457.3	10.25	498.0	11.88	541.0	13.40	557.7	13.78	579.4	14.10	595.4	14.31
	32	36.0	422.3	8.81	457.3	10.25	498.0	11.88	541.0	13.40	557.7	13.78	579.4	14.10	595.4	14.31
	41	41.4	422.3	8.81	457.3	10.25	498.0	11.88	541.0	13.40	557.7	13.78	579.4	14.10	595.4	14.31
	50	48.7	422.3	8.81	457.3	10.25	498.0	11.88	541.0	13.40	557.7	13.78	579.4	14.10	595.4	14.31
		60.9	422.3	8.63	457.3	10.08	498.0	11.71	541.0	13.19	557.7	13.53	579.4	13.87	595.4	14.10
		121.7	422.3	7.91	457.3	9.43	498.0	11.00	541.0	12.32	557.7	12.61	579.4	12.95	595.4	13.22
		152.1	422.3	7.69	457.3	9.15	498.0	10.74	541.0	12.05	557.7	12.41	579.4	12.73	595.4	12.94
		182.6	422.3	7.56	457.3	9.00	498.0	10.61	541.0	11.93	557.7	12.31	579.4	12.62	595.4	12.80
	59	48.7	417.3	11.68	452.0	13.57	492.3	15.78	535.0	17.79	551.3	18.21	572.7	18.65	588.7	18.95
		60.9	417.3	11.44	452.0	13.34	492.3	15.52	535.0	17.49	551.3	17.91	572.7	18.35	588.7	18.67
		121.7	417.3	10.50	452.0	12.47	492.3	14.53	535.0	16.35	551.3	16.74	572.7	17.20	588.7	17.54
		152.1	417.3	10.22	452.0	12.19	492.3	14.24	535.0	16.02	551.3	16.45	572.7	16.85	588.7	17.13
		182.6	417.3	10.07	452.0	12.03	492.3	14.08	535.0	15.86	551.3	16.29	572.7	16.69	588.7	16.93
	67	48.7	413.0	14.22	447.3	16.52	487.3	19.22	529.7	21.67	545.7	22.16	566.7	22.69	582.7	23.10
		60.9	413.0	13.95	447.3	16.25	487.3	18.91	529.7	21.31	545.7	21.81	566.7	22.35	582.7	22.74
		121.7	413.0	12.81	447.3	15.18	487.3	17.68	529.7	19.94	545.7	20.42	566.7	20.95	582.7	21.36
		152.1	413.0	12.47	447.3	14.87	487.3	17.34	529.7	19.54	545.7	20.04	566.7	20.53	582.7	20.85
		182.6	413.0	12.30	447.3	14.73	487.3	17.17	529.7	19.33	545.7	19.85	566.7	20.32	582.7	20.61

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	48.7	413.0	17.47	447.3	20.31	487.3	23.65	529.7	26.60	545.7	27.26	566.7	27.92	582.7	28.41
		60.9	413.0	17.13	447.3	19.98	487.3	23.26	529.7	26.18	545.7	26.82	566.7	27.49	582.7	27.99
		121.7	413.0	15.75	447.3	18.66	487.3	21.75	529.7	24.51	545.7	25.09	566.7	25.74	582.7	26.27
		152.1	413.0	15.31	447.3	18.27	487.3	21.31	529.7	24.01	545.7	24.60	566.7	25.24	582.7	25.63
		182.6	413.0	15.10	447.3	18.09	487.3	21.10	529.7	23.77	545.7	24.37	566.7	25.00	582.7	25.30
	86	48.7	413.0	21.10	447.3	24.56	487.3	28.61	529.7	32.19	545.7	32.94	566.7	33.76	582.7	34.36
		60.9	413.0	20.67	447.3	24.15	487.3	28.14	529.7	31.66	545.7	32.42	566.7	33.24	582.7	33.82
		121.7	413.0	19.05	447.3	22.58	487.3	26.28	529.7	29.61	545.7	30.34	566.7	31.12	582.7	31.74
		152.1	413.0	18.51	447.3	22.11	487.3	25.74	529.7	29.03	545.7	29.77	566.7	30.54	582.7	30.99
		182.6	413.0	18.25	447.3	21.85	487.3	25.48	529.7	28.73	545.7	29.48	566.7	30.24	582.7	30.62
	95	48.7	378.0	21.65	409.3	25.16	446.0	29.29	484.7	32.99	499.3	33.80	518.7	34.59	533.3	35.21
		60.9	378.0	21.21	409.3	24.75	446.0	28.82	484.7	32.45	499.3	33.25	518.7	34.05	533.3	34.67
		121.7	378.0	19.50	409.3	23.13	446.0	26.95	484.7	30.34	499.3	31.09	518.7	31.92	533.3	32.52
		152.1	378.0	18.97	409.3	22.64	446.0	26.41	484.7	29.76	499.3	30.50	518.7	31.29	533.3	31.76
		182.6	378.0	18.70	409.3	22.40	446.0	26.14	484.7	29.46	499.3	30.23	518.7	30.96	533.3	31.38
	104	48.7	343.0	23.30	371.3	27.06	404.7	31.54	439.7	35.50	453.0	36.35	470.7	37.23	483.7	37.90
		60.9	343.0	22.83	371.3	26.62	404.7	31.03	439.7	34.93	453.0	35.77	470.7	36.65	483.7	37.32
		121.7	343.0	21.02	371.3	24.90	404.7	29.01	439.7	32.65	453.0	33.44	470.7	34.34	483.7	35.01
		152.1	343.0	20.42	371.3	24.36	404.7	28.43	439.7	32.02	453.0	32.85	470.7	33.69	483.7	34.18
		182.6	343.0	20.11	371.3	24.09	404.7	28.13	439.7	31.71	453.0	32.54	470.7	33.36	483.7	33.77
	113	48.7	308.0	24.94	333.3	28.96	363.3	33.80	394.7	37.99	406.7	38.90	422.7	39.87	434.0	40.60
		60.9	308.0	24.46	333.3	28.49	363.3	33.25	394.7	37.38	406.7	38.29	422.7	39.25	434.0	39.97
		121.7	308.0	22.53	333.3	26.67	363.3	31.08	394.7	34.96	406.7	35.82	422.7	36.76	434.0	37.50
		152.1	308.0	21.88	333.3	26.08	363.3	30.43	394.7	34.29	406.7	35.19	422.7	36.10	434.0	36.60
		182.6	308.0	21.55	333.3	25.78	363.3	30.12	394.7	33.96	406.7	34.87	422.7	35.76	434.0	36.14
110	23	32.1	398.7	8.30	431.3	9.63	470.0	11.26	510.7	12.64	525.7	12.93	546.0	13.30	561.7	13.53
	32	36.0	398.7	8.30	431.3	9.63	470.0	11.26	510.7	12.64	525.7	12.93	546.0	13.30	561.7	13.53
	41	41.4	398.7	8.30	431.3	9.63	470.0	11.26	510.7	12.64	525.7	12.93	546.0	13.30	561.7	13.53
	50	48.7	398.7	8.30	431.3	9.63	470.0	11.26	510.7	12.64	525.7	12.93	546.0	13.30	561.7	13.53
		60.9	398.7	8.13	431.3	9.46	470.0	11.06	510.7	12.43	525.7	12.75	546.0	13.08	561.7	13.32
		121.7	398.7	7.48	431.3	8.86	470.0	10.34	510.7	11.64	525.7	11.98	546.0	12.26	561.7	12.46
		152.1	398.7	7.27	431.3	8.68	470.0	10.08	510.7	11.45	525.7	11.66	546.0	12.02	561.7	12.15
		182.6	398.7	7.17	431.3	8.59	470.0	9.97	510.7	11.35	525.7	11.51	546.0	11.89	561.7	11.99
	59	48.7	396.0	11.12	428.7	12.93	467.0	15.06	507.7	16.97	522.7	17.37	543.0	17.80	558.3	18.12
		60.9	396.0	10.91	428.7	12.73	467.0	14.83	507.7	16.69	522.7	17.10	543.0	17.53	558.3	17.83
		121.7	396.0	10.03	428.7	11.90	467.0	13.86	507.7	15.60	522.7	16.01	543.0	16.40	558.3	16.71
		152.1	396.0	9.77	428.7	11.65	467.0	13.55	507.7	15.31	522.7	15.68	543.0	16.11	558.3	16.29
		182.6	396.0	9.63	428.7	11.52	467.0	13.41	507.7	15.17	522.7	15.50	543.0	15.95	558.3	16.10
	67	48.7	393.7	13.63	426.3	15.87	464.3	18.45	505.0	20.82	520.0	21.29	540.3	21.81	555.3	22.21
		60.9	393.7	13.36	426.3	15.60	464.3	18.17	505.0	20.48	520.0	20.95	540.3	21.47	555.3	21.84
		121.7	393.7	12.30	426.3	14.60	464.3	17.00	505.0	19.15	520.0	19.60	540.3	20.09	555.3	20.48
		152.1	393.7	11.98	426.3	14.29	464.3	16.65	505.0	18.76	520.0	19.23	540.3	19.73	555.3	19.98
		182.6	393.7	11.81	426.3	14.14	464.3	16.45	505.0	18.56	520.0	19.05	540.3	19.56	555.3	19.73
	75	48.7	393.7	16.68	426.3	19.41	464.3	22.60	505.0	25.47	520.0	26.06	540.3	26.69	555.3	27.19
		60.9	393.7	16.36	426.3	19.10	464.3	22.25	505.0	25.06	520.0	25.65	540.3	26.28	555.3	26.75
		121.7	393.7	15.07	426.3	17.87	464.3	20.82	505.0	23.44	520.0	24.01	540.3	24.60	555.3	25.08
		152.1	393.7	14.64	426.3	17.47	464.3	20.38	505.0	22.98	520.0	23.53	540.3	24.15	555.3	24.45
		182.6	393.7	14.44	426.3	17.28	464.3	20.15	505.0	22.75	520.0	23.28	540.3	23.94	555.3	24.14
	86	48.7	393.7	20.34	426.3	23.67	464.3	27.57	505.0	31.04	520.0	31.80	540.3	32.53	555.3	33.13
		60.9	393.7	19.96	426.3	23.27	464.3	27.11	505.0	30.54	520.0	31.29	540.3	32.02	555.3	32.62
		121.7	393.7	18.35	426.3	21.76	464.3	25.34	505.0	28.54	520.0	29.26	540.3	30.00	555.3	30.55
		152.1	393.7	17.87	426.3	21.31	464.3	24.85	505.0	28.00	520.0	28.69	540.3	29.43	555.3	29.81
		182.6	393.7	17.60	426.3	21.09	464.3	24.59	505.0	27.71	520.0	28.39	540.3	29.14	555.3	29.43
	95	48.7	367.0	21.19	397.3	24.62	432.7	28.65	470.3	32.29	484.3	33.04	503.3	33.84	517.3	34.46
		60.9	367.0	20.76	397.3	24.22	432.7	28.18	470.3	31.76	484.3	32.51	503.3	33.30	517.3	33.92
		121.7	367.0	19.10	397.3	22.62	432.7	26.38	470.3	29.70	484.3	30.41	503.3	31.19	517.3	31.77
		152.1	367.0	18.56	397.3	22.15	432.7	25.83	470.3	29.11	484.3	29.86	503.3	30.59	517.3	30.99
		182.6	367.0	18.29	397.3	21.92	432.7	25.55	470.3	28.81	484.3	29.59	503.3	30.31	517.3	30.59

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	104	48.7	340.0	23.25	368.3	27.05	401.0	31.49	436.0	35.43	449.0	36.28	466.3	37.16	479.3	37.85
		60.9	340.0	22.80	368.3	26.61	401.0	30.98	436.0	34.88	449.0	35.71	466.3	36.58	479.3	37.27
		121.7	340.0	20.97	368.3	24.87	401.0	28.98	436.0	32.62	449.0	33.40	466.3	34.28	479.3	34.91
		152.1	340.0	20.38	368.3	24.33	401.0	28.38	436.0	31.97	449.0	32.80	466.3	33.63	479.3	34.03
		182.6	340.0	20.08	368.3	24.06	401.0	28.08	436.0	31.64	449.0	32.50	466.3	33.31	479.3	33.60
	113	48.7	313.0	25.34	339.3	29.49	369.3	34.33	401.7	38.59	413.7	39.54	429.3	40.51	441.3	41.25
		60.9	313.0	24.83	339.3	29.00	369.3	33.78	401.7	37.98	413.7	38.90	429.3	39.87	441.3	40.60
		121.7	313.0	22.83	339.3	27.09	369.3	31.56	401.7	35.52	413.7	36.39	429.3	37.36	441.3	38.05
		152.1	313.0	22.18	339.3	26.50	369.3	30.95	401.7	34.83	413.7	35.75	429.3	36.67	441.3	37.08
		182.6	313.0	21.87	339.3	26.20	369.3	30.62	401.7	34.48	413.7	35.41	429.3	36.32	441.3	36.58
100	23	32.1	374.3	7.86	405.3	9.13	441.7	10.55	480.0	11.96	494.3	12.17	513.7	12.54	528.0	12.74
	32	36.0	374.3	7.86	405.3	9.13	441.7	10.55	480.0	11.96	494.3	12.17	513.7	12.54	528.0	12.74
	41	41.4	374.3	7.86	405.3	9.13	441.7	10.55	480.0	11.96	494.3	12.17	513.7	12.54	528.0	12.74
	50	48.7	374.3	7.86	405.3	9.13	441.7	10.55	480.0	11.96	494.3	12.17	513.7	12.54	528.0	12.74
		60.9	374.3	7.69	405.3	8.97	441.7	10.37	480.0	11.75	494.3	11.98	513.7	12.33	528.0	12.54
		121.7	374.3	7.07	405.3	8.38	441.7	9.71	480.0	10.99	494.3	11.23	513.7	11.50	528.0	11.73
		152.1	374.3	6.83	405.3	8.17	441.7	9.52	480.0	10.75	494.3	11.02	513.7	11.27	528.0	11.38
		182.6	374.3	6.72	405.3	8.06	441.7	9.43	480.0	10.64	494.3	10.90	513.7	11.17	528.0	11.20
	59	48.7	374.3	10.63	405.3	12.33	441.7	14.34	480.0	16.16	494.3	16.54	513.7	16.97	528.0	17.26
		60.9	374.3	10.40	405.3	12.12	441.7	14.10	480.0	15.91	494.3	16.27	513.7	16.69	528.0	16.99
		121.7	374.3	9.58	405.3	11.34	441.7	13.20	480.0	14.87	494.3	15.23	513.7	15.60	528.0	15.90
		152.1	374.3	9.28	405.3	11.10	441.7	12.92	480.0	14.58	494.3	14.94	513.7	15.31	528.0	15.47
		182.6	374.3	9.14	405.3	10.97	441.7	12.79	480.0	14.42	494.3	14.78	513.7	15.17	528.0	15.25
	67	48.7	374.3	13.07	405.3	15.18	441.7	17.70	480.0	19.91	494.3	20.41	513.7	20.90	528.0	21.27
		60.9	374.3	12.81	405.3	14.94	441.7	17.43	480.0	19.60	494.3	20.07	513.7	20.58	528.0	20.93
		121.7	374.3	11.78	405.3	13.98	441.7	16.29	480.0	18.33	494.3	18.77	513.7	19.24	528.0	19.60
		152.1	374.3	11.46	405.3	13.70	441.7	15.95	480.0	17.98	494.3	18.42	513.7	18.90	528.0	19.10
		182.6	374.3	11.29	405.3	13.55	441.7	15.78	480.0	17.80	494.3	18.24	513.7	18.73	528.0	18.86
	75	48.7	374.3	15.93	405.3	18.52	441.7	21.59	480.0	24.31	494.3	24.90	513.7	25.50	528.0	25.94
		60.9	374.3	15.62	405.3	18.22	441.7	21.22	480.0	23.91	494.3	24.50	513.7	25.09	528.0	25.53
		121.7	374.3	14.39	405.3	17.03	441.7	19.85	480.0	22.35	494.3	22.90	513.7	23.47	528.0	23.91
		152.1	374.3	13.98	405.3	16.69	441.7	19.44	480.0	21.91	494.3	22.46	513.7	23.03	528.0	23.27
		182.6	374.3	13.78	405.3	16.52	441.7	19.24	480.0	21.68	494.3	22.23	513.7	22.80	528.0	22.97
	86	48.7	374.3	19.59	405.3	22.82	441.7	26.55	480.0	29.90	494.3	30.62	513.7	31.33	528.0	31.93
		60.9	374.3	19.21	405.3	22.45	441.7	26.12	480.0	29.42	494.3	30.11	513.7	30.85	528.0	31.42
		121.7	374.3	17.68	405.3	20.97	441.7	24.41	480.0	27.50	494.3	28.15	513.7	28.88	528.0	29.42
		152.1	374.3	17.20	405.3	20.53	441.7	23.91	480.0	26.96	494.3	27.63	513.7	28.35	528.0	28.62
		182.6	374.3	16.94	405.3	20.32	441.7	23.67	480.0	26.69	494.3	27.38	513.7	28.08	528.0	28.24
	95	48.7	355.7	20.69	385.3	24.04	419.7	28.01	456.0	31.53	469.7	32.31	488.0	33.09	501.7	33.68
		60.9	355.7	20.28	385.3	23.67	419.7	27.55	456.0	31.03	469.7	31.77	488.0	32.55	501.7	33.16
		121.7	355.7	18.66	385.3	22.14	419.7	25.78	456.0	29.03	469.7	29.71	488.0	30.48	501.7	31.03
		152.1	355.7	18.17	385.3	21.65	419.7	25.24	456.0	28.48	469.7	29.16	488.0	29.91	501.7	30.21
		182.6	355.7	17.91	385.3	21.41	419.7	24.97	456.0	28.20	469.7	28.88	488.0	29.61	501.7	29.79
	104	48.7	337.0	23.24	365.0	27.00	397.3	31.46	432.0	35.40	445.0	36.24	462.3	37.12	475.3	37.77
		60.9	337.0	22.78	365.0	26.56	397.3	30.95	432.0	34.83	445.0	35.66	462.3	36.54	475.3	37.19
		121.7	337.0	20.93	365.0	24.84	397.3	28.92	432.0	32.55	445.0	33.35	462.3	34.18	475.3	34.81
		152.1	337.0	20.37	365.0	24.30	397.3	28.33	432.0	31.94	445.0	32.72	462.3	33.54	475.3	33.90
		182.6	337.0	20.09	365.0	24.03	397.3	28.03	432.0	31.61	445.0	32.39	462.3	33.23	475.3	33.44
	113	48.7	318.3	25.77	344.7	29.95	375.0	34.89	408.0	39.25	420.3	40.17	436.7	41.17	449.0	41.87
		60.9	318.3	25.27	344.7	29.47	375.0	34.33	408.0	38.63	420.3	39.53	436.7	40.50	449.0	41.22
		121.7	318.3	23.19	344.7	27.52	375.0	32.06	408.0	36.10	420.3	36.98	436.7	37.88	449.0	38.60
		152.1	318.3	22.57	344.7	26.94	375.0	31.41	408.0	35.38	420.3	36.26	436.7	37.20	449.0	37.57
		182.6	318.3	22.25	344.7	26.64	375.0	31.09	408.0	35.02	420.3	35.90	436.7	36.84	449.0	37.07
90	23	32.1	337.0	6.69	365.0	7.78	397.3	9.08	432.0	10.27	445.0	10.45	462.3	10.68	475.3	10.99
	32	36.0	337.0	6.69	365.0	7.78	397.3	9.08	432.0	10.27	445.0	10.45	462.3	10.68	475.3	10.99
	41	41.4	337.0	6.69	365.0	7.78	397.3	9.08	432.0	10.27	445.0	10.45	462.3	10.68	475.3	10.99
	50	48.7	337.0	6.69	365.0	7.78	397.3	9.08	432.0	10.27	445.0	10.45	462.3	10.68	475.3	10.99
		60.9	337.0	6.58	365.0	7.67	397.3	8.95	432.0	10.12	445.0	10.30	462.3	10.54	475.3	10.82
		121.7	337.0	6.07	365.0	7.22	397.3	8.39	432.0	9.47	445.0	9.67	462.3	9.96	475.3	10.12
		152.1	337.0	5.89	365.0	6.99	397.3	8.22	432.0	9.22	445.0	9.48	462.3	9.77	475.3	9.79
		182.6	337.0	5.82	365.0	6.89	397.3	8.14	432.0	9.08	445.0	9.40	462.3	9.67	475.3	9.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	59	48.7	337.0	9.11	365.0	10.58	397.3	12.34	432.0	13.92	445.0	14.23	462.3	14.57	475.3	14.87
		60.9	337.0	8.94	365.0	10.41	397.3	12.14	432.0	13.70	445.0	13.99	462.3	14.33	475.3	14.63
		121.7	337.0	8.25	365.0	9.77	397.3	11.36	432.0	12.79	445.0	13.10	462.3	13.44	475.3	13.70
		152.1	337.0	8.00	365.0	9.52	397.3	11.14	432.0	12.53	445.0	12.86	462.3	13.20	475.3	13.31
		182.6	337.0	7.89	365.0	9.42	397.3	11.02	432.0	12.38	445.0	12.73	462.3	13.07	475.3	13.11
	67	48.7	337.0	11.27	365.0	13.08	397.3	15.25	432.0	17.16	445.0	17.57	462.3	18.01	475.3	18.32
		60.9	337.0	11.04	365.0	12.87	397.3	14.98	432.0	16.89	445.0	17.28	462.3	17.72	475.3	18.02
		121.7	337.0	10.16	365.0	12.03	397.3	13.99	432.0	15.76	445.0	16.16	462.3	16.56	475.3	16.89
		152.1	337.0	9.86	365.0	11.78	397.3	13.74	432.0	15.47	445.0	15.85	462.3	16.25	475.3	16.45
		182.6	337.0	9.73	365.0	11.65	397.3	13.60	432.0	15.31	445.0	15.70	462.3	16.11	475.3	16.22
	75	48.7	337.0	13.71	365.0	15.97	397.3	18.57	432.0	20.91	445.0	21.40	462.3	21.94	475.3	22.34
		60.9	337.0	13.44	365.0	15.70	397.3	18.27	432.0	20.59	445.0	21.06	462.3	21.60	475.3	22.00
		121.7	337.0	12.37	365.0	14.68	397.3	17.10	432.0	19.24	445.0	19.69	462.3	20.22	475.3	20.58
		152.1	337.0	12.03	365.0	14.33	397.3	16.74	432.0	18.87	445.0	19.34	462.3	19.85	475.3	20.04
		182.6	337.0	11.86	365.0	14.17	397.3	16.57	432.0	18.67	445.0	19.16	462.3	19.65	475.3	19.77
	86	48.7	337.0	16.88	365.0	19.62	397.3	22.85	432.0	25.76	445.0	26.34	462.3	26.99	475.3	27.49
		60.9	337.0	16.55	365.0	19.31	397.3	22.48	432.0	25.32	445.0	25.93	462.3	26.56	475.3	27.05
		121.7	337.0	15.23	365.0	18.02	397.3	21.03	432.0	23.67	445.0	24.25	462.3	24.85	475.3	25.30
		152.1	337.0	14.79	365.0	17.67	397.3	20.59	432.0	23.23	445.0	23.78	462.3	24.41	475.3	24.64
		182.6	337.0	14.58	365.0	17.49	397.3	20.36	432.0	23.00	445.0	23.52	462.3	24.18	475.3	24.30
	95	48.7	327.7	18.23	354.7	21.16	386.3	24.65	420.0	27.75	432.7	28.42	449.3	29.10	462.0	29.63
		60.9	327.7	17.87	354.7	20.82	386.3	24.25	420.0	27.30	432.7	27.95	449.3	28.63	462.0	29.16
		121.7	327.7	16.40	354.7	19.45	386.3	22.69	420.0	25.53	432.7	26.13	449.3	26.82	462.0	27.30
		152.1	327.7	15.96	354.7	19.07	386.3	22.20	420.0	25.05	432.7	25.67	449.3	26.31	462.0	26.57
		182.6	327.7	15.75	354.7	18.86	386.3	21.96	420.0	24.79	432.7	25.44	449.3	26.07	462.0	26.20
	104	48.7	318.3	20.94	344.7	24.31	375.3	28.30	408.0	31.90	420.3	32.65	436.7	33.43	448.7	34.04
		60.9	318.3	20.51	344.7	23.91	375.3	27.85	408.0	31.39	420.3	32.11	436.7	32.91	448.7	33.50
		121.7	318.3	18.87	344.7	22.36	375.3	26.07	408.0	29.33	420.3	30.04	436.7	30.80	448.7	31.39
		152.1	318.3	18.33	344.7	21.90	375.3	25.53	408.0	28.77	420.3	29.47	436.7	30.23	448.7	30.54
		182.6	318.3	18.06	344.7	21.65	375.3	25.27	408.0	28.49	420.3	29.17	436.7	29.95	448.7	30.11
	113	48.7	309.0	23.63	334.7	27.45	364.3	31.97	396.0	36.03	408.0	36.88	424.0	37.78	435.3	38.42
		60.9	309.0	23.16	334.7	27.02	364.3	31.46	396.0	35.45	408.0	36.30	424.0	37.17	435.3	37.84
		121.7	309.0	21.32	334.7	25.25	364.3	29.45	396.0	33.12	408.0	33.94	424.0	34.79	435.3	35.45
		152.1	309.0	20.68	334.7	24.73	364.3	28.87	396.0	32.49	408.0	33.27	424.0	34.15	435.3	34.49
		182.6	309.0	20.38	334.7	24.45	364.3	28.57	396.0	32.17	408.0	32.92	424.0	33.83	435.3	34.02
80	23	32.1	299.7	5.69	324.3	6.53	353.3	7.59	384.0	8.63	395.7	8.78	411.0	9.03	422.3	9.13
	32	36.0	299.7	5.69	324.3	6.53	353.3	7.59	384.0	8.63	395.7	8.78	411.0	9.03	422.3	9.13
	41	41.4	299.7	5.69	324.3	6.53	353.3	7.59	384.0	8.63	395.7	8.78	411.0	9.03	422.3	9.13
	50	48.7	299.7	5.69	324.3	6.53	353.3	7.59	384.0	8.63	395.7	8.78	411.0	9.03	422.3	9.13
		60.9	299.7	5.56	324.3	6.45	353.3	7.48	384.0	8.48	395.7	8.64	411.0	8.87	422.3	8.99
		121.7	299.7	5.07	324.3	6.07	353.3	7.04	384.0	7.90	395.7	8.11	411.0	8.26	422.3	8.42
		152.1	299.7	4.99	324.3	5.89	353.3	6.91	384.0	7.77	395.7	7.92	411.0	8.15	422.3	8.22
		182.6	299.7	4.96	324.3	5.80	353.3	6.85	384.0	7.71	395.7	7.82	411.0	8.09	422.3	8.11
	59	48.7	299.7	7.67	324.3	8.88	353.3	10.34	384.0	11.67	395.7	11.93	411.0	12.23	422.3	12.44
		60.9	299.7	7.51	324.3	8.74	353.3	10.17	384.0	11.48	395.7	11.75	411.0	12.03	422.3	12.24
		121.7	299.7	6.89	324.3	8.19	353.3	9.52	384.0	10.71	395.7	10.99	411.0	11.25	422.3	11.46
		152.1	299.7	6.73	324.3	8.00	353.3	9.35	384.0	10.51	395.7	10.77	411.0	11.05	422.3	11.15
		182.6	299.7	6.63	324.3	7.90	353.3	9.25	384.0	10.41	395.7	10.66	411.0	10.95	422.3	11.00
	67	48.7	299.7	9.43	324.3	10.97	353.3	12.77	384.0	14.39	395.7	14.74	411.0	15.07	422.3	15.37
		60.9	299.7	9.25	324.3	10.79	353.3	12.56	384.0	14.16	395.7	14.50	411.0	14.84	422.3	15.13
		121.7	299.7	8.50	324.3	10.07	353.3	11.75	384.0	13.21	395.7	13.54	411.0	13.89	422.3	14.16
		152.1	299.7	8.27	324.3	9.86	353.3	11.49	384.0	12.97	395.7	13.30	411.0	13.64	422.3	13.76
		182.6	299.7	8.15	324.3	9.78	353.3	11.38	384.0	12.84	395.7	13.17	411.0	13.50	422.3	13.57
	75	48.7	299.7	11.51	324.3	13.37	353.3	15.57	384.0	17.52	395.7	17.97	411.0	18.41	422.3	18.73
		60.9	299.7	11.30	324.3	13.17	353.3	15.31	384.0	17.24	395.7	17.67	411.0	18.11	422.3	18.43
		121.7	299.7	10.37	324.3	12.30	353.3	14.32	384.0	16.14	395.7	16.51	411.0	16.94	422.3	17.24
		152.1	299.7	10.07	324.3	12.03	353.3	14.05	384.0	15.81	395.7	16.22	411.0	16.65	422.3	16.79
		182.6	299.7	9.94	324.3	11.91	353.3	13.89	384.0	15.65	395.7	16.06	411.0	16.48	422.3	16.56

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	86	48.7	299.7	14.14	324.3	16.44	353.3	19.16	384.0	21.57	395.7	22.06	411.0	22.60	422.3	23.05
		60.9	299.7	13.86	324.3	16.17	353.3	18.86	384.0	21.21	395.7	21.71	411.0	22.25	422.3	22.68
		121.7	299.7	12.76	324.3	15.13	353.3	17.64	384.0	19.85	395.7	20.32	411.0	20.83	422.3	21.21
		152.1	299.7	12.42	324.3	14.79	353.3	17.24	384.0	19.45	395.7	19.94	411.0	20.43	422.3	20.66
		182.6	299.7	12.25	324.3	14.62	353.3	17.05	384.0	19.26	395.7	19.75	411.0	20.23	422.3	20.38
	95	48.7	299.7	15.71	324.3	18.26	353.3	21.27	384.0	23.96	395.7	24.56	411.0	25.16	422.3	25.60
		60.9	299.7	15.41	324.3	17.98	353.3	20.93	384.0	23.58	395.7	24.15	411.0	24.75	422.3	25.19
		121.7	299.7	14.19	324.3	16.80	353.3	19.60	384.0	22.05	395.7	22.58	411.0	23.14	422.3	23.57
		152.1	299.7	13.78	324.3	16.45	353.3	19.20	384.0	21.61	395.7	22.15	411.0	22.72	422.3	22.93
		182.6	299.7	13.60	324.3	16.27	353.3	18.99	384.0	21.39	395.7	21.93	411.0	22.53	422.3	22.62
	104	48.7	299.7	18.62	324.3	21.66	353.3	25.21	384.0	28.41	395.7	29.06	411.0	29.78	422.3	30.28
		60.9	299.7	18.25	324.3	21.29	353.3	24.80	384.0	27.94	395.7	28.59	411.0	29.31	422.3	29.81
		121.7	299.7	16.79	324.3	19.89	353.3	23.17	384.0	26.12	395.7	26.72	411.0	27.40	422.3	27.91
		152.1	299.7	16.30	324.3	19.49	353.3	22.70	384.0	25.58	395.7	26.22	411.0	26.92	422.3	27.17
		182.6	299.7	16.06	324.3	19.28	353.3	22.47	384.0	25.31	395.7	25.97	411.0	26.66	422.3	26.81
	113	48.7	299.7	21.53	324.3	25.03	353.3	29.16	384.0	32.83	395.7	33.57	411.0	34.41	422.3	34.99
		60.9	299.7	21.12	324.3	24.63	353.3	28.69	384.0	32.30	395.7	33.00	411.0	33.86	422.3	34.42
		121.7	299.7	19.39	324.3	23.00	353.3	26.77	384.0	30.20	395.7	30.86	411.0	31.66	422.3	32.22
		152.1	299.7	18.82	324.3	22.53	353.3	26.21	384.0	29.56	395.7	30.30	411.0	31.09	422.3	31.41
		182.6	299.7	18.55	324.3	22.29	353.3	25.92	384.0	29.24	395.7	30.02	411.0	30.80	422.3	30.99
70	23	32.1	262.0	4.67	283.7	5.44	309.0	6.31	336.0	7.11	346.0	7.33	359.7	7.52	369.7	7.59
	32	36.0	262.0	4.67	283.7	5.44	309.0	6.31	336.0	7.11	346.0	7.33	359.7	7.52	369.7	7.59
	41	41.4	262.0	4.67	283.7	5.44	309.0	6.31	336.0	7.11	346.0	7.33	359.7	7.52	369.7	7.59
	50	48.7	262.0	4.67	283.7	5.44	309.0	6.31	336.0	7.11	346.0	7.33	359.7	7.52	369.7	7.59
		60.9	262.0	4.57	283.7	5.36	309.0	6.22	336.0	7.00	346.0	7.22	359.7	7.39	369.7	7.48
		121.7	262.0	4.24	283.7	4.99	309.0	5.79	336.0	6.58	346.0	6.76	359.7	6.93	369.7	7.04
		152.1	262.0	4.13	283.7	4.89	309.0	5.72	336.0	6.45	346.0	6.59	359.7	6.75	369.7	6.85
		182.6	262.0	4.09	283.7	4.81	309.0	5.66	336.0	6.37	346.0	6.50	359.7	6.66	369.7	6.75
	59	48.7	262.0	6.36	283.7	7.39	309.0	8.59	336.0	9.69	346.0	9.92	359.7	10.18	369.7	10.34
		60.9	262.0	6.23	283.7	7.28	309.0	8.45	336.0	9.52	346.0	9.77	359.7	10.01	369.7	10.17
		121.7	262.0	5.74	283.7	6.79	309.0	7.90	336.0	8.93	346.0	9.14	359.7	9.38	369.7	9.52
		152.1	262.0	5.58	283.7	6.65	309.0	7.75	336.0	8.74	346.0	8.95	359.7	9.18	369.7	9.28
		182.6	262.0	5.51	283.7	6.57	309.0	7.68	336.0	8.65	346.0	8.86	359.7	9.08	369.7	9.15
	67	48.7	262.0	7.85	283.7	9.13	309.0	10.62	336.0	11.97	346.0	12.23	359.7	12.54	369.7	12.77
		60.9	262.0	7.71	283.7	8.97	309.0	10.45	336.0	11.77	346.0	12.03	359.7	12.33	369.7	12.56
		121.7	262.0	7.07	283.7	8.39	309.0	9.78	336.0	11.00	346.0	11.25	359.7	11.55	369.7	11.75
		152.1	262.0	6.88	283.7	8.21	309.0	9.58	336.0	10.79	346.0	11.05	359.7	11.34	369.7	11.44
		182.6	262.0	6.78	283.7	8.11	309.0	9.47	336.0	10.69	346.0	10.95	359.7	11.24	369.7	11.28
	75	48.7	262.0	9.56	283.7	11.13	309.0	12.93	336.0	14.57	346.0	14.93	359.7	15.29	369.7	15.57
		60.9	262.0	9.38	283.7	10.94	309.0	12.74	336.0	14.33	346.0	14.69	359.7	15.05	369.7	15.31
		121.7	262.0	8.63	283.7	10.22	309.0	11.92	336.0	13.41	346.0	13.74	359.7	14.09	369.7	14.33
		152.1	262.0	8.39	283.7	10.01	309.0	11.67	336.0	13.17	346.0	13.45	359.7	13.80	369.7	13.96
		182.6	262.0	8.26	283.7	9.91	309.0	11.54	336.0	13.04	346.0	13.32	359.7	13.66	369.7	13.76
	86	48.7	262.0	11.78	283.7	13.67	309.0	15.91	336.0	17.93	346.0	18.36	359.7	18.80	369.7	19.16
		60.9	262.0	11.54	283.7	13.44	309.0	15.67	336.0	17.65	346.0	18.08	359.7	18.51	369.7	18.86
		121.7	262.0	10.60	283.7	12.56	309.0	14.64	336.0	16.50	346.0	16.90	359.7	17.33	369.7	17.64
		152.1	262.0	10.32	283.7	12.32	309.0	14.33	336.0	16.17	346.0	16.58	359.7	17.00	369.7	17.20
		182.6	262.0	10.17	283.7	12.19	309.0	14.19	336.0	16.00	346.0	16.43	359.7	16.84	369.7	16.97
	95	48.7	262.0	13.07	283.7	15.18	309.0	17.72	336.0	19.91	346.0	20.41	359.7	20.90	369.7	21.27
		60.9	262.0	12.81	283.7	14.94	309.0	17.43	336.0	19.60	346.0	20.07	359.7	20.58	369.7	20.93
		121.7	262.0	11.78	283.7	13.98	309.0	16.27	336.0	18.33	346.0	18.77	359.7	19.24	369.7	19.60
		152.1	262.0	11.46	283.7	13.66	309.0	15.95	336.0	17.98	346.0	18.42	359.7	18.89	369.7	19.10
		182.6	262.0	11.29	283.7	13.51	309.0	15.80	336.0	17.80	346.0	18.24	359.7	18.71	369.7	18.86
	104	48.7	262.0	15.48	283.7	17.96	309.0	20.96	336.0	23.60	346.0	24.16	359.7	24.75	369.7	25.19
		60.9	262.0	15.18	283.7	17.68	309.0	20.63	336.0	23.23	346.0	23.78	359.7	24.35	369.7	24.79
		121.7	262.0	13.96	283.7	16.56	309.0	19.29	336.0	21.71	346.0	22.24	359.7	22.79	369.7	23.23
		152.1	262.0	13.55	283.7	16.21	309.0	18.87	336.0	21.27	346.0	21.81	359.7	22.38	369.7	22.59
		182.6	262.0	13.35	283.7	16.01	309.0	18.65	336.0	21.04	346.0	21.59	359.7	22.18	369.7	22.28

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	113	48.7	262.0	17.90	283.7	20.76	309.0	24.20	336.0	27.29	346.0	27.91	359.7	28.58	369.7	29.10
		60.9	262.0	17.55	283.7	20.43	309.0	23.82	336.0	26.85	346.0	27.48	359.7	28.14	369.7	28.66
		121.7	262.0	16.14	283.7	19.12	309.0	22.32	336.0	25.09	346.0	25.71	359.7	26.31	369.7	26.85
		152.1	262.0	15.67	283.7	18.73	309.0	21.77	336.0	24.57	346.0	25.21	359.7	25.87	369.7	26.08
		182.6	262.0	15.43	283.7	18.54	309.0	21.52	336.0	24.31	346.0	24.96	359.7	25.67	369.7	25.69
60	23	32.1	224.7	3.71	243.3	4.32	265.0	5.02	288.0	5.71	296.7	5.85	308.0	5.94	316.7	6.07
	32	36.0	224.7	3.71	243.3	4.32	265.0	5.02	288.0	5.71	296.7	5.85	308.0	5.94	316.7	6.07
	41	41.4	224.7	3.71	243.3	4.32	265.0	5.02	288.0	5.71	296.7	5.85	308.0	5.94	316.7	6.07
	50	48.7	224.7	3.71	243.3	4.32	265.0	5.02	288.0	5.71	296.7	5.85	308.0	5.94	316.7	6.07
		60.9	224.7	3.64	243.3	4.23	265.0	4.94	288.0	5.61	296.7	5.75	308.0	5.86	316.7	5.98
		121.7	224.7	3.36	243.3	3.96	265.0	4.67	288.0	5.23	296.7	5.36	308.0	5.51	316.7	5.61
		152.1	224.7	3.24	243.3	3.93	265.0	4.57	288.0	5.14	296.7	5.27	308.0	5.38	316.7	5.48
		182.6	224.7	3.16	243.3	3.91	265.0	4.53	288.0	5.11	296.7	5.21	308.0	5.32	316.7	5.42
	59	48.7	224.7	5.06	243.3	5.89	265.0	6.85	288.0	7.72	296.7	7.94	308.0	8.09	316.7	8.24
		60.9	224.7	4.95	243.3	5.79	265.0	6.74	288.0	7.61	296.7	7.81	308.0	7.96	316.7	8.11
		121.7	224.7	4.57	243.3	5.41	265.0	6.32	288.0	7.10	296.7	7.28	308.0	7.46	316.7	7.61
		152.1	224.7	4.44	243.3	5.32	265.0	6.19	288.0	6.97	296.7	7.13	308.0	7.31	316.7	7.41
		182.6	224.7	4.35	243.3	5.26	265.0	6.13	288.0	6.91	296.7	7.06	308.0	7.24	316.7	7.31
	67	48.7	224.7	6.26	243.3	7.28	265.0	8.48	288.0	9.52	296.7	9.77	308.0	10.00	316.7	10.18
		60.9	224.7	6.13	243.3	7.17	265.0	8.34	288.0	9.38	296.7	9.61	308.0	9.83	316.7	10.01
		121.7	224.7	5.64	243.3	6.68	265.0	7.81	288.0	8.80	296.7	8.97	308.0	9.19	316.7	9.38
		152.1	224.7	5.48	243.3	6.53	265.0	7.62	288.0	8.60	296.7	8.81	308.0	9.04	316.7	9.14
		182.6	224.7	5.41	243.3	6.46	265.0	7.53	288.0	8.50	296.7	8.72	308.0	8.96	316.7	9.01
	75	48.7	224.7	7.62	243.3	8.87	265.0	10.33	288.0	11.62	296.7	11.90	308.0	12.17	316.7	12.42
		60.9	224.7	7.46	243.3	8.73	265.0	10.16	288.0	11.44	296.7	11.70	308.0	11.99	316.7	12.22
		121.7	224.7	6.88	243.3	8.16	265.0	9.49	288.0	10.70	296.7	10.94	308.0	11.23	316.7	11.44
		152.1	224.7	6.68	243.3	7.96	265.0	9.29	288.0	10.47	296.7	10.76	308.0	11.02	316.7	11.14
		182.6	224.7	6.58	243.3	7.86	265.0	9.19	288.0	10.34	296.7	10.66	308.0	10.90	316.7	10.99
	86	48.7	224.7	9.38	243.3	10.88	265.0	12.68	288.0	14.27	296.7	14.64	308.0	14.98	316.7	15.27
		60.9	224.7	9.18	243.3	10.71	265.0	12.48	288.0	14.06	296.7	14.40	308.0	14.74	316.7	15.03
		121.7	224.7	8.45	243.3	10.03	265.0	11.69	288.0	13.17	296.7	13.45	308.0	13.80	316.7	14.06
		152.1	224.7	8.21	243.3	9.82	265.0	11.44	288.0	12.90	296.7	13.21	308.0	13.55	316.7	13.70
		182.6	224.7	8.07	243.3	9.71	265.0	11.31	288.0	12.79	296.7	13.08	308.0	13.44	316.7	13.51
	95	48.7	224.7	10.43	243.3	12.12	265.0	14.11	288.0	15.86	296.7	16.26	308.0	16.67	316.7	16.96
		60.9	224.7	10.22	243.3	11.92	265.0	13.88	288.0	15.62	296.7	16.01	308.0	16.40	316.7	16.69
		121.7	224.7	9.39	243.3	11.14	265.0	12.97	288.0	14.63	296.7	14.97	308.0	15.32	316.7	15.62
		152.1	224.7	9.14	243.3	10.91	265.0	12.73	288.0	14.32	296.7	14.69	308.0	15.07	316.7	15.23
		182.6	224.7	9.00	243.3	10.78	265.0	12.60	288.0	14.18	296.7	14.54	308.0	14.93	316.7	15.03
	104	48.7	224.7	12.33	243.3	14.34	265.0	16.72	288.0	18.82	296.7	19.26	308.0	19.72	316.7	20.11
		60.9	224.7	12.09	243.3	14.10	265.0	16.45	288.0	18.51	296.7	18.95	308.0	19.41	316.7	19.78
		121.7	224.7	11.14	243.3	13.20	265.0	15.38	288.0	17.29	296.7	17.72	308.0	18.17	316.7	18.51
		152.1	224.7	10.81	243.3	12.90	265.0	15.07	288.0	16.95	296.7	17.37	308.0	17.83	316.7	18.01
		182.6	224.7	10.64	243.3	12.77	265.0	14.92	288.0	16.78	296.7	17.20	308.0	17.66	316.7	17.77
	113	48.7	224.7	14.22	243.3	16.55	265.0	19.31	288.0	21.75	296.7	22.24	308.0	22.74	316.7	23.26
		60.9	224.7	13.96	243.3	16.29	265.0	19.00	288.0	21.39	296.7	21.90	308.0	22.39	316.7	22.89
		121.7	224.7	12.88	243.3	15.26	265.0	17.78	288.0	19.97	296.7	20.48	308.0	21.01	316.7	21.39
		152.1	224.7	12.48	243.3	14.92	265.0	17.43	288.0	19.58	296.7	20.07	308.0	20.61	316.7	20.81
		182.6	224.7	12.29	243.3	14.75	265.0	17.25	288.0	19.38	296.7	19.87	308.0	20.39	316.7	20.51
50	23	32.1	187.3	2.78	202.7	3.21	220.7	3.81	240.0	4.20	247.3	4.33	256.7	4.45	264.0	4.53
	32	36.0	187.3	2.78	202.7	3.21	220.7	3.81	240.0	4.20	247.3	4.33	256.7	4.45	264.0	4.53
	41	41.4	187.3	2.78	202.7	3.21	220.7	3.81	240.0	4.20	247.3	4.33	256.7	4.45	264.0	4.53
	50	48.7	187.3	2.78	202.7	3.21	220.7	3.81	240.0	4.20	247.3	4.33	256.7	4.45	264.0	4.53
		60.9	187.3	2.71	202.7	3.15	220.7	3.75	240.0	4.16	247.3	4.26	256.7	4.38	264.0	4.45
		121.7	187.3	2.47	202.7	2.98	220.7	3.49	240.0	3.93	247.3	4.05	256.7	4.07	264.0	4.16
		152.1	187.3	2.42	202.7	2.97	220.7	3.40	240.0	3.82	247.3	3.88	256.7	4.03	264.0	4.03
		182.6	187.3	2.38	202.7	2.96	220.7	3.37	240.0	3.76	247.3	3.79	256.7	4.00	264.0	3.98
	59	48.7	187.3	3.77	202.7	4.39	220.7	5.13	240.0	5.73	247.3	5.90	256.7	6.03	264.0	6.14
		60.9	187.3	3.70	202.7	4.33	220.7	5.04	240.0	5.66	247.3	5.80	256.7	5.93	264.0	6.04
		121.7	187.3	3.39	202.7	4.03	220.7	4.71	240.0	5.32	247.3	5.45	256.7	5.56	264.0	5.66
		152.1	187.3	3.30	202.7	3.97	220.7	4.61	240.0	5.20	247.3	5.32	256.7	5.46	264.0	5.50
		182.6	187.3	3.26	202.7	3.95	220.7	4.57	240.0	5.14	247.3	5.23	256.7	5.40	264.0	5.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

Cooling Capacity

ARWN480DAS4, ARWB480DAS4
480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	48.7	187.3	4.65	202.7	5.45	220.7	6.31	240.0	7.09	247.3	7.28	256.7	7.44	264.0	7.59
		60.9	187.3	4.57	202.7	5.35	220.7	6.21	240.0	6.99	247.3	7.17	256.7	7.33	264.0	7.46
		121.7	187.3	4.21	202.7	4.95	220.7	5.80	240.0	6.53	247.3	6.68	256.7	6.88	264.0	6.99
		152.1	187.3	4.08	202.7	4.88	220.7	5.69	240.0	6.42	247.3	6.57	256.7	6.74	264.0	6.83
		182.6	187.3	4.02	202.7	4.82	220.7	5.64	240.0	6.36	247.3	6.52	256.7	6.66	264.0	6.73
	75	48.7	187.3	5.66	202.7	6.59	220.7	7.68	240.0	8.69	247.3	8.87	256.7	9.08	264.0	9.22
		60.9	187.3	5.56	202.7	6.48	220.7	7.56	240.0	8.53	247.3	8.73	256.7	8.94	264.0	9.08
		121.7	187.3	5.12	202.7	6.08	220.7	7.08	240.0	7.96	247.3	8.16	256.7	8.37	264.0	8.53
		152.1	187.3	4.95	202.7	5.93	220.7	6.92	240.0	7.82	247.3	8.00	256.7	8.21	264.0	8.30
		182.6	187.3	4.88	202.7	5.87	220.7	6.85	240.0	7.73	247.3	7.92	256.7	8.13	264.0	8.18
	86	48.7	187.3	7.00	202.7	8.13	220.7	9.47	240.0	10.67	247.3	10.94	256.7	11.18	264.0	11.38
		60.9	187.3	6.86	202.7	8.00	220.7	9.33	240.0	10.50	247.3	10.76	256.7	11.00	264.0	11.20
		121.7	187.3	6.30	202.7	7.46	220.7	8.71	240.0	9.82	247.3	10.03	256.7	10.32	264.0	10.47
		152.1	187.3	6.13	202.7	7.31	220.7	8.53	240.0	9.62	247.3	9.85	256.7	10.11	264.0	10.22
		182.6	187.3	6.05	202.7	7.24	220.7	8.45	240.0	9.52	247.3	9.77	256.7	10.01	264.0	10.09
	95	48.7	187.3	7.77	202.7	9.03	220.7	10.52	240.0	11.83	247.3	12.13	256.7	12.42	264.0	12.63
		60.9	187.3	7.62	202.7	8.87	220.7	10.36	240.0	11.65	247.3	11.93	256.7	12.22	264.0	12.43
		121.7	187.3	7.01	202.7	8.30	220.7	9.69	240.0	10.91	247.3	11.15	256.7	11.44	264.0	11.65
		152.1	187.3	6.83	202.7	8.15	220.7	9.48	240.0	10.70	247.3	10.94	256.7	11.23	264.0	11.34
		182.6	187.3	6.73	202.7	8.07	220.7	9.37	240.0	10.59	247.3	10.83	256.7	11.13	264.0	11.20
	104	48.7	187.3	9.22	202.7	10.68	220.7	12.48	240.0	14.03	247.3	14.38	256.7	14.72	264.0	14.98
		60.9	187.3	9.04	202.7	10.51	220.7	12.28	240.0	13.80	247.3	14.14	256.7	14.48	264.0	14.74
		121.7	187.3	8.29	202.7	9.83	220.7	11.46	240.0	12.90	247.3	13.21	256.7	13.55	264.0	13.78
		152.1	187.3	8.06	202.7	9.62	220.7	11.23	240.0	12.66	247.3	12.97	256.7	13.30	264.0	13.42
		182.6	187.3	7.94	202.7	9.52	220.7	11.12	240.0	12.53	247.3	12.84	256.7	13.16	264.0	13.23
	113	48.7	187.3	10.66	202.7	12.35	220.7	14.41	240.0	16.23	247.3	16.61	256.7	17.01	264.0	17.33
		60.9	187.3	10.45	202.7	12.15	220.7	14.18	240.0	15.96	247.3	16.34	256.7	16.73	264.0	17.05
		121.7	187.3	9.58	202.7	11.36	220.7	13.23	240.0	14.92	247.3	15.28	256.7	15.68	264.0	15.93
		152.1	187.3	9.29	202.7	11.12	220.7	12.99	240.0	14.63	247.3	14.98	256.7	15.36	264.0	15.50
		182.6	187.3	9.16	202.7	10.98	220.7	12.87	240.0	14.49	247.3	14.84	256.7	15.19	264.0	15.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	40.1	535.4	11.38	579.9	13.22	631.1	15.46	686.0	17.38	706.9	17.79	734.1	18.24	755.0	18.58
	32	45.0	535.4	11.38	579.9	13.22	631.1	15.46	686.0	17.38	706.9	17.79	734.1	18.24	755.0	18.58
	41	51.7	535.4	11.38	579.9	13.22	631.1	15.46	686.0	17.38	706.9	17.79	734.1	18.24	755.0	18.58
	50	60.8	535.4	11.38	579.9	13.22	631.1	15.46	686.0	17.38	706.9	17.79	734.1	18.24	755.0	18.58
		76.1	535.4	11.17	579.9	13.02	631.1	15.21	686.0	17.10	706.9	17.51	734.1	17.96	755.0	18.29
		152.1	535.4	10.32	579.9	12.21	631.1	14.21	686.0	15.99	706.9	16.40	734.1	16.84	755.0	17.13
		190.1	535.4	9.98	579.9	11.90	631.1	13.91	686.0	15.65	706.9	16.06	734.1	16.47	755.0	16.77
		228.2	535.4	9.81	579.9	11.75	631.1	13.76	686.0	15.48	706.9	15.89	734.1	16.28	755.0	16.58
	59	60.8	526.8	14.95	570.4	17.40	621.2	20.29	675.2	22.82	695.6	23.36	722.4	23.94	742.8	24.36
		76.1	526.8	14.66	570.4	17.12	621.2	19.96	675.2	22.46	695.6	22.99	722.4	23.57	742.8	23.99
		152.1	526.8	13.51	570.4	16.01	621.2	18.66	675.2	21.00	695.6	21.53	722.4	22.11	742.8	22.53
		190.1	526.8	13.13	570.4	15.66	621.2	18.27	675.2	20.58	695.6	21.11	722.4	21.65	742.8	22.03
		228.2	526.8	12.94	570.4	15.49	621.2	18.08	675.2	20.36	695.6	20.90	722.4	21.42	742.8	21.79
	67	60.8	519.2	18.13	562.0	21.12	612.4	24.58	665.6	27.66	685.6	28.31	712.0	29.01	732.0	29.49
		76.1	519.2	17.77	562.0	20.77	612.4	24.18	665.6	27.22	685.6	27.87	712.0	28.56	732.0	29.06
		152.1	519.2	16.35	562.0	19.39	612.4	22.61	665.6	25.45	685.6	26.10	712.0	26.79	732.0	27.33
		190.1	519.2	15.93	562.0	19.00	612.4	22.15	665.6	24.95	685.6	25.60	712.0	26.26	732.0	26.72
		228.2	519.2	15.72	562.0	18.81	612.4	21.92	665.6	24.70	685.6	25.36	712.0	25.99	732.0	26.41
	75	60.8	519.2	22.40	562.0	26.03	612.4	30.32	665.6	34.14	685.6	34.91	712.0	35.80	732.0	36.40
		76.1	519.2	21.96	562.0	25.60	612.4	29.83	665.6	33.59	685.6	34.36	712.0	35.24	732.0	35.85
		152.1	519.2	20.19	562.0	23.91	612.4	27.87	665.6	31.40	685.6	32.17	712.0	33.01	732.0	33.70
		190.1	519.2	19.62	562.0	23.42	612.4	27.29	665.6	30.79	685.6	31.59	712.0	32.40	732.0	32.94
		228.2	519.2	19.33	562.0	23.17	612.4	27.01	665.6	30.48	685.6	31.31	712.0	32.09	732.0	32.55
	86	60.8	519.2	26.87	562.0	31.21	612.4	36.37	665.6	40.97	685.6	41.93	712.0	42.93	732.0	43.69
		76.1	519.2	26.33	562.0	30.71	612.4	35.78	665.6	40.31	685.6	41.27	712.0	42.26	732.0	43.03
		152.1	519.2	24.22	562.0	28.71	612.4	33.43	665.6	37.66	685.6	38.62	712.0	39.61	732.0	40.42
		190.1	519.2	23.53	562.0	28.10	612.4	32.78	665.6	36.93	685.6	37.89	712.0	38.85	732.0	39.50
		228.2	519.2	23.19	562.0	27.79	612.4	32.46	665.6	36.56	685.6	37.52	712.0	38.46	732.0	39.04
	95	60.8	467.2	27.18	506.0	31.56	550.8	36.80	598.8	41.40	616.8	42.40	640.8	43.39	658.8	44.15
		76.1	467.2	26.64	506.0	31.05	550.8	36.20	598.8	40.73	616.8	41.73	640.8	42.72	658.8	43.49
		152.1	467.2	24.49	506.0	29.06	550.8	33.82	598.8	38.08	616.8	39.04	640.8	40.08	658.8	40.88
		190.1	467.2	23.80	506.0	28.41	550.8	33.13	598.8	37.35	616.8	38.31	640.8	39.31	658.8	39.96
		228.2	467.2	23.46	506.0	28.08	550.8	32.78	598.8	36.99	616.8	37.95	640.8	38.93	658.8	39.50
	104	60.8	415.2	28.67	449.6	33.28	489.6	38.78	532.4	43.70	548.4	44.70	569.6	45.77	585.6	46.62
		76.1	415.2	28.10	449.6	32.74	489.6	38.16	532.4	42.99	548.4	43.99	569.6	45.07	585.6	45.91
		152.1	415.2	25.83	449.6	30.63	489.6	35.70	532.4	40.19	548.4	41.19	569.6	42.26	585.6	43.11
		190.1	415.2	25.10	449.6	29.98	489.6	34.93	532.4	39.38	548.4	40.42	569.6	41.46	585.6	42.15
		228.2	415.2	24.74	449.6	29.66	489.6	34.55	532.4	38.98	548.4	40.04	569.6	41.06	585.6	41.67
	113	60.8	363.2	30.16	393.2	34.99	428.4	40.75	466.0	46.00	480.0	46.99	498.4	48.15	512.4	49.08
		76.1	363.2	29.56	393.2	34.43	428.4	40.11	466.0	45.26	480.0	46.26	498.4	47.41	512.4	48.33
		152.1	363.2	27.18	393.2	32.21	428.4	37.58	466.0	42.30	480.0	43.34	498.4	44.45	512.4	45.33
		190.1	363.2	26.41	393.2	31.55	428.4	36.74	466.0	41.42	480.0	42.53	498.4	43.61	512.4	44.34
		228.2	363.2	26.03	393.2	31.23	428.4	36.32	466.0	40.98	480.0	42.13	498.4	43.19	512.4	43.84
120	23	40.1	506.7	10.82	548.7	12.58	597.6	14.59	649.2	16.51	669.3	16.87	695.3	17.28	714.5	17.61
	32	45.0	506.7	10.82	548.7	12.58	597.6	14.59	649.2	16.51	669.3	16.87	695.3	17.28	714.5	17.61
	41	51.7	506.7	10.82	548.7	12.58	597.6	14.59	649.2	16.51	669.3	16.87	695.3	17.28	714.5	17.61
	50	60.8	506.7	10.82	548.7	12.58	597.6	14.59	649.2	16.51	669.3	16.87	695.3	17.28	714.5	17.61
		76.1	506.7	10.59	548.7	12.37	597.6	14.37	649.2	16.23	669.3	16.60	695.3	17.01	714.5	17.34
		152.1	506.7	9.70	548.7	11.56	597.6	13.49	649.2	15.11	669.3	15.52	695.3	15.93	714.5	16.27
		190.1	506.7	9.44	548.7	11.26	597.6	13.15	649.2	14.86	669.3	15.22	695.3	15.68	714.5	15.90
		228.2	506.7	9.31	548.7	11.11	597.6	12.98	649.2	14.73	669.3	15.08	695.3	15.55	714.5	15.71
	59	60.8	500.8	14.34	542.4	16.66	590.8	19.39	642.0	21.86	661.6	22.35	687.2	22.89	706.4	23.31
		76.1	500.8	14.05	542.4	16.39	590.8	19.08	642.0	21.50	661.6	22.00	687.2	22.53	706.4	22.96
		152.1	500.8	12.90	542.4	15.32	590.8	17.85	642.0	20.08	661.6	20.58	687.2	21.11	706.4	21.53
		190.1	500.8	12.55	542.4	14.97	590.8	17.47	642.0	19.69	661.6	20.19	687.2	20.73	706.4	21.04
		228.2	500.8	12.38	542.4	14.80	590.8	17.27	642.0	19.50	661.6	20.00	687.2	20.54	706.4	20.79
	67	60.8	495.6	17.47	536.8	20.29	584.8	23.65	635.6	26.61	654.8	27.23	680.0	27.88	699.2	28.38
		76.1	495.6	17.12	536.8	19.96	584.8	23.26	635.6	26.18	654.8	26.79	680.0	27.45	699.2	27.95
		152.1	495.6	15.74	536.8	18.66	584.8	21.73	635.6	24.49	654.8	25.07	680.0	25.72	699.2	26.22
		190.1	495.6	15.32	536.8	18.27	584.8	21.30	635.6	23.99	654.8	24.61	680.0	25.22	699.2	25.60
		228.2	495.6	15.11	536.8	18.08	584.8	21.09	635.6	23.74	654.8	24.38	680.0	24.97	699.2	25.30

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	75	60.8	495.6	21.46	536.8	24.94	584.8	29.02	635.6	32.69	654.8	33.47	680.0	34.27	699.2	34.89
		76.1	495.6	21.04	536.8	24.53	584.8	28.56	635.6	32.17	654.8	32.94	680.0	33.74	699.2	34.36
		152.1	495.6	19.35	536.8	22.92	584.8	26.72	635.6	30.09	654.8	30.82	680.0	31.63	699.2	32.24
		190.1	495.6	18.81	536.8	22.46	584.8	26.18	635.6	29.48	654.8	30.25	680.0	31.02	699.2	31.48
		228.2	495.6	18.54	536.8	22.23	584.8	25.91	635.6	29.18	654.8	29.96	680.0	30.71	699.2	31.09
	86	60.8	495.6	25.93	536.8	30.17	584.8	35.12	635.6	39.52	654.8	40.49	680.0	41.45	699.2	42.17
		76.1	495.6	25.41	536.8	29.67	584.8	34.55	635.6	38.89	654.8	39.85	680.0	40.80	699.2	41.53
		152.1	495.6	23.38	536.8	27.71	584.8	32.28	635.6	36.39	654.8	37.27	680.0	38.23	699.2	39.00
		190.1	495.6	22.72	536.8	27.14	584.8	31.63	635.6	35.66	654.8	36.58	680.0	37.50	699.2	38.08
		228.2	495.6	22.40	536.8	26.85	584.8	31.31	635.6	35.30	654.8	36.24	680.0	37.14	699.2	37.62
	95	60.8	453.6	26.60	491.2	30.91	535.2	35.97	581.6	40.54	599.2	41.51	622.4	42.51	640.0	43.23
		76.1	453.6	26.06	491.2	30.40	535.2	35.39	581.6	39.88	599.2	40.84	622.4	41.84	640.0	42.57
		152.1	453.6	23.95	491.2	28.41	535.2	33.09	581.6	37.27	599.2	38.19	622.4	39.19	640.0	39.96
		190.1	453.6	23.30	491.2	27.83	535.2	32.44	581.6	36.54	599.2	37.50	622.4	38.42	640.0	39.00
		228.2	453.6	22.98	491.2	27.54	535.2	32.11	581.6	36.18	599.2	37.16	622.4	38.04	640.0	38.52
	104	60.8	411.6	28.63	445.6	33.24	485.6	38.75	527.6	43.62	543.6	44.67	564.8	45.74	580.4	46.55
		76.1	411.6	28.06	445.6	32.71	485.6	38.12	527.6	42.92	543.6	43.95	564.8	45.03	580.4	45.83
		152.1	411.6	25.80	445.6	30.59	485.6	35.62	527.6	40.11	543.6	41.11	564.8	42.19	580.4	42.99
		190.1	411.6	25.07	445.6	29.94	485.6	34.89	527.6	39.35	543.6	40.34	564.8	41.38	580.4	41.99
		228.2	411.6	24.70	445.6	29.62	485.6	34.53	527.6	38.96	543.6	39.96	564.8	40.98	580.4	41.50
	113	60.8	369.6	30.67	400.0	35.57	436.0	41.52	473.6	46.70	488.0	47.83	507.2	48.98	520.8	49.87
		76.1	369.6	30.06	400.0	35.01	436.0	40.84	473.6	45.95	488.0	47.06	507.2	48.21	520.8	49.10
		152.1	369.6	27.64	400.0	32.78	436.0	38.16	473.6	42.95	488.0	44.03	507.2	45.18	520.8	46.03
		190.1	369.6	26.83	400.0	32.05	436.0	37.35	473.6	42.15	488.0	43.18	507.2	44.34	520.8	44.99
		228.2	369.6	26.43	400.0	31.69	436.0	36.95	473.6	41.75	488.0	42.76	507.2	43.92	520.8	44.47
110	23	40.1	478.4	10.19	517.6	11.84	564.0	13.79	612.8	15.53	630.8	15.94	655.2	16.25	674.1	16.65
	32	45.0	478.4	10.19	517.6	11.84	564.0	13.79	612.8	15.53	630.8	15.94	655.2	16.25	674.1	16.65
	41	51.7	478.4	10.19	517.6	11.84	564.0	13.79	612.8	15.53	630.8	15.94	655.2	16.25	674.1	16.65
	50	60.8	478.4	10.19	517.6	11.84	564.0	13.79	612.8	15.53	630.8	15.94	655.2	16.25	674.1	16.65
		76.1	478.4	9.99	517.6	11.65	564.0	13.57	612.8	15.27	630.8	15.69	655.2	16.01	674.1	16.39
		152.1	478.4	9.17	517.6	10.91	564.0	12.73	612.8	14.27	630.8	14.69	655.2	15.06	674.1	15.35
		190.1	478.4	8.91	517.6	10.69	564.0	12.43	612.8	14.06	630.8	14.39	655.2	14.76	674.1	14.90
		228.2	478.4	8.78	517.6	10.58	564.0	12.28	612.8	13.95	630.8	14.24	655.2	14.61	674.1	14.68
	59	60.8	475.2	13.67	514.4	15.88	560.4	18.49	609.2	20.84	627.2	21.34	651.6	21.84	670.0	22.27
		76.1	475.2	13.40	514.4	15.62	560.4	18.20	609.2	20.50	627.2	21.00	651.6	21.50	670.0	21.92
		152.1	475.2	12.32	514.4	14.63	560.4	17.04	609.2	19.15	627.2	19.65	651.6	20.15	670.0	20.54
		190.1	475.2	11.98	514.4	14.32	560.4	16.66	609.2	18.81	627.2	19.27	651.6	19.77	670.0	20.00
		228.2	475.2	11.80	514.4	14.17	560.4	16.47	609.2	18.64	627.2	19.08	651.6	19.58	670.0	19.73
	67	60.8	472.4	16.76	511.6	19.47	557.2	22.66	606.0	25.56	624.0	26.14	648.4	26.80	666.4	27.26
		76.1	472.4	16.43	511.6	19.15	557.2	22.30	606.0	25.14	624.0	25.72	648.4	26.37	666.4	26.83
		152.1	472.4	15.12	511.6	17.93	557.2	20.88	606.0	23.49	624.0	24.07	648.4	24.68	666.4	25.14
		190.1	472.4	14.70	511.6	17.54	557.2	20.42	606.0	23.03	624.0	23.61	648.4	24.22	666.4	24.53
		228.2	472.4	14.49	511.6	17.35	557.2	20.19	606.0	22.80	624.0	23.38	648.4	23.99	666.4	24.22
	75	60.8	472.4	20.52	511.6	23.84	557.2	27.78	606.0	31.29	624.0	32.03	648.4	32.80	666.4	33.38
		76.1	472.4	20.11	511.6	23.45	557.2	27.33	606.0	30.79	624.0	31.52	648.4	32.28	666.4	32.86
		152.1	472.4	18.50	511.6	21.92	557.2	25.57	606.0	28.79	624.0	29.48	648.4	30.25	666.4	30.79
		190.1	472.4	18.00	511.6	21.46	557.2	25.03	606.0	28.21	624.0	28.90	648.4	29.67	666.4	30.02
		228.2	472.4	17.75	511.6	21.23	557.2	24.76	606.0	27.93	624.0	28.62	648.4	29.39	666.4	29.64
	86	60.8	472.4	25.03	511.6	29.06	557.2	33.87	606.0	38.11	624.0	39.05	648.4	39.98	666.4	40.72
		76.1	472.4	24.53	511.6	28.60	557.2	33.32	606.0	37.50	624.0	38.42	648.4	39.35	666.4	40.08
		152.1	472.4	22.53	511.6	26.76	557.2	31.13	606.0	35.09	624.0	35.93	648.4	36.85	666.4	37.54
		190.1	472.4	21.92	511.6	26.18	557.2	30.52	606.0	34.39	624.0	35.24	648.4	36.16	666.4	36.62
		228.2	472.4	21.61	511.6	25.89	557.2	30.21	606.0	34.05	624.0	34.89	648.4	35.82	666.4	36.16
	95	60.8	440.4	26.00	476.8	30.24	519.2	35.19	564.4	39.64	581.2	40.57	604.0	41.58	620.8	42.31
		76.1	440.4	25.49	476.8	29.75	519.2	34.62	564.4	39.00	581.2	39.92	604.0	40.92	620.8	41.65
		152.1	440.4	23.45	476.8	27.79	519.2	32.40	564.4	36.47	581.2	37.35	604.0	38.31	620.8	39.04
		190.1	440.4	22.80	476.8	27.22	519.2	31.71	564.4	35.74	581.2	36.66	604.0	37.58	620.8	38.08
		228.2	440.4	22.48	476.8	26.93	519.2	31.36	564.4	35.37	581.2	36.32	604.0	37.22	620.8	37.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	104	60.8	408.0	28.59	442.0	33.20	481.2	38.66	523.2	43.54	538.8	44.59	559.6	45.67	575.2	46.48
		76.1	408.0	28.02	442.0	32.67	481.2	38.04	523.2	42.84	538.8	43.88	559.6	44.95	575.2	45.76
		152.1	408.0	25.76	442.0	30.56	481.2	35.58	523.2	40.08	538.8	41.04	559.6	42.11	575.2	42.88
		190.1	408.0	25.03	442.0	29.90	481.2	34.85	523.2	39.27	538.8	40.27	559.6	41.30	575.2	41.80
		228.2	408.0	24.66	442.0	29.58	481.2	34.49	523.2	38.87	538.8	39.89	559.6	40.90	575.2	41.27
	113	60.8	375.6	31.19	407.2	36.16	443.2	42.14	482.0	47.43	496.4	48.61	515.2	49.76	529.6	50.66
		76.1	375.6	30.56	407.2	35.58	443.2	41.46	482.0	46.68	496.4	47.83	515.2	48.98	529.6	49.86
		152.1	375.6	28.06	407.2	33.32	443.2	38.77	482.0	43.68	496.4	44.72	515.2	45.91	529.6	46.72
		190.1	375.6	27.25	407.2	32.59	443.2	38.00	482.0	42.80	496.4	43.88	515.2	45.03	529.6	45.53
		228.2	375.6	26.85	407.2	32.23	443.2	37.62	482.0	42.36	496.4	43.46	515.2	44.59	529.6	44.93
100	23	40.1	449.2	9.65	486.4	11.18	530.0	13.04	576.0	14.69	593.2	15.03	616.4	15.41	633.6	15.61
	32	45.0	449.2	9.65	486.4	11.18	530.0	13.04	576.0	14.69	593.2	15.03	616.4	15.41	633.6	15.61
	41	51.7	449.2	9.65	486.4	11.18	530.0	13.04	576.0	14.69	593.2	15.03	616.4	15.41	633.6	15.61
	50	60.8	449.2	9.65	486.4	11.18	530.0	13.04	576.0	14.69	593.2	15.03	616.4	15.41	633.6	15.61
		76.1	449.2	9.46	486.4	11.01	530.0	12.82	576.0	14.44	593.2	14.77	616.4	15.14	633.6	15.36
		152.1	449.2	8.68	486.4	10.31	530.0	11.92	576.0	13.48	593.2	13.77	616.4	14.10	633.6	14.36
		190.1	449.2	8.38	486.4	10.04	530.0	11.75	576.0	13.18	593.2	13.56	616.4	13.84	633.6	13.99
		228.2	449.2	8.23	486.4	9.91	530.0	11.66	576.0	13.03	593.2	13.45	616.4	13.71	633.6	13.81
	59	60.8	449.2	13.04	486.4	15.14	530.0	17.64	576.0	19.86	593.2	20.33	616.4	20.84	633.6	21.18
		76.1	449.2	12.78	486.4	14.89	530.0	17.35	576.0	19.54	593.2	20.00	616.4	20.50	633.6	20.84
		152.1	449.2	11.75	486.4	13.93	530.0	16.20	576.0	18.27	593.2	18.69	616.4	19.15	633.6	19.50
		190.1	449.2	11.40	486.4	13.63	530.0	15.89	576.0	17.89	593.2	18.35	616.4	18.81	633.6	19.00
		228.2	449.2	11.23	486.4	13.47	530.0	15.74	576.0	17.70	593.2	18.18	616.4	18.64	633.6	18.75
	67	60.8	449.2	16.06	486.4	18.65	530.0	21.73	576.0	24.46	593.2	25.04	616.4	25.67	633.6	26.14
		76.1	449.2	15.74	486.4	18.35	530.0	21.38	576.0	24.07	593.2	24.64	616.4	25.26	633.6	25.72
		152.1	449.2	14.47	486.4	17.16	530.0	20.00	576.0	22.53	593.2	23.07	616.4	23.65	633.6	24.07
		190.1	449.2	14.09	486.4	16.81	530.0	19.58	576.0	22.07	593.2	22.61	616.4	23.22	633.6	23.45
		228.2	449.2	13.90	486.4	16.64	530.0	19.37	576.0	21.84	593.2	22.38	616.4	23.01	633.6	23.15
	75	60.8	449.2	19.58	486.4	22.75	530.0	26.54	576.0	29.85	593.2	30.54	616.4	31.33	633.6	31.87
		76.1	449.2	19.19	486.4	22.38	530.0	26.10	576.0	29.37	593.2	30.06	616.4	30.82	633.6	31.36
		152.1	449.2	17.66	486.4	20.92	530.0	24.38	576.0	27.45	593.2	28.14	616.4	28.83	633.6	29.37
		190.1	449.2	17.16	486.4	20.50	530.0	23.88	576.0	26.91	593.2	27.60	616.4	28.29	633.6	28.60
		228.2	449.2	16.91	486.4	20.29	530.0	23.63	576.0	26.64	593.2	27.33	616.4	28.02	633.6	28.22
	86	60.8	449.2	24.08	486.4	28.02	530.0	32.62	576.0	36.71	593.2	37.62	616.4	38.50	633.6	39.20
		76.1	449.2	23.61	486.4	27.56	530.0	32.09	576.0	36.12	593.2	37.00	616.4	37.89	633.6	38.58
		152.1	449.2	21.73	486.4	25.76	530.0	29.98	576.0	33.78	593.2	34.59	616.4	35.47	633.6	36.12
		190.1	449.2	21.11	486.4	25.22	530.0	29.37	576.0	33.13	593.2	33.93	616.4	34.82	633.6	35.16
		228.2	449.2	20.81	486.4	24.95	530.0	29.06	576.0	32.80	593.2	33.61	616.4	34.49	633.6	34.68
	95	60.8	426.8	25.42	462.4	29.53	503.6	34.41	547.2	38.74	563.6	39.68	585.6	40.65	602.0	41.39
		76.1	426.8	24.91	462.4	29.06	503.6	33.86	547.2	38.12	563.6	39.04	585.6	40.00	602.0	40.73
		152.1	426.8	22.92	462.4	27.18	503.6	31.67	547.2	35.66	563.6	36.51	585.6	37.43	602.0	38.12
		190.1	426.8	22.30	462.4	26.60	503.6	31.02	547.2	34.97	563.6	35.81	585.6	36.74	602.0	37.12
		228.2	426.8	22.00	462.4	26.32	503.6	30.69	547.2	34.63	563.6	35.47	585.6	36.39	602.0	36.62
	104	60.8	404.4	28.51	438.0	33.17	476.8	38.63	518.4	43.51	534.0	44.52	554.8	45.60	570.4	46.42
		76.1	404.4	27.95	438.0	32.63	476.8	38.00	518.4	42.80	534.0	43.80	554.8	44.87	570.4	45.68
		152.1	404.4	25.72	438.0	30.48	476.8	35.51	518.4	40.00	534.0	40.96	554.8	41.99	570.4	42.76
		190.1	404.4	24.99	438.0	29.83	476.8	34.78	518.4	39.23	534.0	40.19	554.8	41.23	570.4	41.65
		228.2	404.4	24.63	438.0	29.50	476.8	34.42	518.4	38.85	534.0	39.81	554.8	40.84	570.4	41.10
	113	60.8	382.0	31.60	413.6	36.81	450.0	42.86	489.6	48.28	504.4	49.35	524.0	50.55	538.8	51.45
		76.1	382.0	30.98	413.6	36.20	450.0	42.15	489.6	47.48	504.4	48.56	524.0	49.75	538.8	50.63
		152.1	382.0	28.52	413.6	33.78	450.0	39.35	489.6	44.34	504.4	45.41	524.0	46.56	538.8	47.41
		190.1	382.0	27.68	413.6	33.05	450.0	38.54	489.6	43.49	504.4	44.57	524.0	45.72	538.8	46.18
		228.2	382.0	27.26	413.6	32.69	450.0	38.14	489.6	43.07	504.4	44.15	524.0	45.30	538.8	45.57
90	23	40.1	404.4	8.25	438.0	9.61	476.8	11.17	518.4	12.62	534.0	12.87	554.8	13.15	570.4	13.47
	32	45.0	404.4	8.25	438.0	9.61	476.8	11.17	518.4	12.62	534.0	12.87	554.8	13.15	570.4	13.47
	41	51.7	404.4	8.25	438.0	9.61	476.8	11.17	518.4	12.62	534.0	12.87	554.8	13.15	570.4	13.47
	50	60.8	404.4	8.25	438.0	9.61	476.8	11.17	518.4	12.62	534.0	12.87	554.8	13.15	570.4	13.47
		76.1	404.4	8.09	438.0	9.45	476.8	11.00	518.4	12.41	534.0	12.66	554.8	12.96	570.4	13.26
		152.1	404.4	7.42	438.0	8.82	476.8	10.35	518.4	11.55	534.0	11.85	554.8	12.19	570.4	12.41
		190.1	404.4	7.24	438.0	8.60	476.8	10.08	518.4	11.33	534.0	11.63	554.8	11.97	570.4	12.03
		228.2	404.4	7.15	438.0	8.49	476.8	9.95	518.4	11.22	534.0	11.52	554.8	11.86	570.4	11.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	59	60.8	404.4	11.20	438.0	13.03	476.8	15.17	518.4	17.09	534.0	17.48	554.8	17.90	570.4	18.26
		76.1	404.4	10.98	438.0	12.82	476.8	14.93	518.4	16.81	534.0	17.20	554.8	17.62	570.4	17.96
		152.1	404.4	10.10	438.0	11.98	476.8	13.97	518.4	15.70	534.0	16.08	554.8	16.51	570.4	16.81
		190.1	404.4	9.83	438.0	11.71	476.8	13.67	518.4	15.39	534.0	15.78	554.8	16.20	570.4	16.35
		228.2	404.4	9.69	438.0	11.57	476.8	13.51	518.4	15.24	534.0	15.62	554.8	16.05	570.4	16.12
	67	60.8	404.4	13.82	438.0	16.08	476.8	18.74	518.4	21.07	534.0	21.58	554.8	22.12	570.4	22.51
		76.1	404.4	13.55	438.0	15.82	476.8	18.43	518.4	20.73	534.0	21.23	554.8	21.77	570.4	22.15
		152.1	404.4	12.48	438.0	14.78	476.8	17.20	518.4	19.39	534.0	19.85	554.8	20.34	570.4	20.73
		190.1	404.4	12.13	438.0	14.47	476.8	16.85	518.4	19.00	534.0	19.46	554.8	19.96	570.4	20.19
		228.2	404.4	11.96	438.0	14.32	476.8	16.68	518.4	18.81	534.0	19.27	554.8	19.77	570.4	19.92
	75	60.8	404.4	16.84	438.0	19.59	476.8	22.82	518.4	25.71	534.0	26.29	554.8	26.95	570.4	27.42
		76.1	404.4	16.51	438.0	19.27	476.8	22.46	518.4	25.30	534.0	25.87	554.8	26.52	570.4	26.99
		152.1	404.4	15.20	438.0	18.00	476.8	21.00	518.4	23.65	534.0	24.22	554.8	24.84	570.4	25.26
		190.1	404.4	14.78	438.0	17.62	476.8	20.58	518.4	23.19	534.0	23.76	554.8	24.38	570.4	24.61
		228.2	404.4	14.57	438.0	17.43	476.8	20.36	518.4	22.96	534.0	23.53	554.8	24.15	570.4	24.28
	86	60.8	404.4	20.71	438.0	24.12	476.8	28.05	518.4	31.61	534.0	32.34	554.8	33.16	570.4	33.74
		76.1	404.4	20.31	438.0	23.72	476.8	27.60	518.4	31.09	534.0	31.82	554.8	32.63	570.4	33.20
		152.1	404.4	18.69	438.0	22.15	476.8	25.83	518.4	29.06	534.0	29.79	554.8	30.52	570.4	31.09
		190.1	404.4	18.20	438.0	21.69	476.8	25.30	518.4	28.52	534.0	29.21	554.8	29.98	570.4	30.25
		228.2	404.4	17.95	438.0	21.46	476.8	25.03	518.4	28.25	534.0	28.93	554.8	29.71	570.4	29.83
	95	60.8	393.2	22.36	425.6	25.98	463.6	30.27	504.0	34.10	519.2	34.92	539.2	35.77	554.4	36.39
		76.1	393.2	21.92	425.6	25.57	463.6	29.79	504.0	33.55	519.2	34.36	539.2	35.20	554.4	35.81
		152.1	393.2	20.15	425.6	23.91	463.6	27.87	504.0	31.36	519.2	32.13	539.2	32.94	554.4	33.55
		190.1	393.2	19.62	425.6	23.42	463.6	27.29	504.0	30.75	519.2	31.52	539.2	32.32	554.4	32.67
		228.2	393.2	19.35	425.6	23.17	463.6	27.01	504.0	30.44	519.2	31.21	539.2	32.02	554.4	32.23
	104	60.8	382.0	25.69	413.6	29.84	450.4	34.80	489.6	39.17	504.4	40.11	524.0	41.07	538.4	41.81
		76.1	382.0	25.18	413.6	29.37	450.4	34.24	489.6	38.54	504.4	39.46	524.0	40.42	538.4	41.15
		152.1	382.0	23.19	413.6	27.48	450.4	32.01	489.6	36.04	504.4	36.89	524.0	37.85	538.4	38.54
		190.1	382.0	22.53	413.6	26.87	450.4	31.36	489.6	35.32	504.4	36.20	524.0	37.12	538.4	37.50
		228.2	382.0	22.21	413.6	26.56	450.4	31.04	489.6	34.95	504.4	35.85	524.0	36.76	538.4	36.99
	113	60.8	370.8	29.01	401.6	33.70	437.2	39.33	475.2	44.24	489.6	45.30	508.8	46.37	522.4	47.23
		76.1	370.8	28.44	401.6	33.17	437.2	38.69	475.2	43.53	489.6	44.57	508.8	45.64	522.4	46.49
		152.1	370.8	26.22	401.6	31.05	437.2	36.16	475.2	40.73	489.6	41.65	508.8	42.76	522.4	43.53
		190.1	370.8	25.45	401.6	30.33	437.2	35.43	475.2	39.88	489.6	40.88	508.8	41.92	522.4	42.34
		228.2	370.8	25.07	401.6	29.96	437.2	35.07	475.2	39.46	489.6	40.50	508.8	41.50	522.4	41.75
80	23	40.1	359.6	6.92	389.2	8.07	424.0	9.38	460.8	10.54	474.8	10.81	493.2	11.08	506.8	11.25
	32	45.0	359.6	6.92	389.2	8.07	424.0	9.38	460.8	10.54	474.8	10.81	493.2	11.08	506.8	11.25
	41	51.7	359.6	6.92	389.2	8.07	424.0	9.38	460.8	10.54	474.8	10.81	493.2	11.08	506.8	11.25
	50	60.8	359.6	6.92	389.2	8.07	424.0	9.38	460.8	10.54	474.8	10.81	493.2	11.08	506.8	11.25
		76.1	359.6	6.79	389.2	7.94	424.0	9.23	460.8	10.37	474.8	10.63	493.2	10.89	506.8	11.07
		152.1	359.6	6.28	389.2	7.42	424.0	8.64	460.8	9.71	474.8	9.93	493.2	10.15	506.8	10.37
		190.1	359.6	6.09	389.2	7.24	424.0	8.50	460.8	9.57	474.8	9.79	493.2	10.05	506.8	10.08
		228.2	359.6	6.00	389.2	7.14	424.0	8.43	460.8	9.50	474.8	9.72	493.2	10.00	506.8	9.93
	59	60.8	359.6	9.40	389.2	10.92	424.0	12.72	460.8	14.32	474.8	14.68	493.2	15.02	506.8	15.29
		76.1	359.6	9.21	389.2	10.75	424.0	12.51	460.8	14.09	474.8	14.43	493.2	14.78	506.8	15.05
		152.1	359.6	8.48	389.2	10.06	424.0	11.71	460.8	13.17	474.8	13.47	493.2	13.82	506.8	14.09
		190.1	359.6	8.25	389.2	9.83	424.0	11.48	460.8	12.94	474.8	13.24	493.2	13.59	506.8	13.70
		228.2	359.6	8.14	389.2	9.71	424.0	11.36	460.8	12.82	474.8	13.13	493.2	13.47	506.8	13.51
	67	60.8	359.6	11.60	389.2	13.46	424.0	15.68	460.8	17.68	474.8	18.11	493.2	18.52	506.8	18.88
		76.1	359.6	11.36	389.2	13.24	424.0	15.43	460.8	17.39	474.8	17.81	493.2	18.23	506.8	18.58
		152.1	359.6	10.44	389.2	12.40	424.0	14.43	460.8	16.24	474.8	16.62	493.2	17.08	506.8	17.39
		190.1	359.6	10.17	389.2	12.13	424.0	14.13	460.8	15.93	474.8	16.31	493.2	16.74	506.8	16.93
		228.2	359.6	10.04	389.2	12.00	424.0	13.97	460.8	15.78	474.8	16.16	493.2	16.56	506.8	16.70
	75	60.8	359.6	14.14	389.2	16.42	424.0	19.12	460.8	21.54	474.8	22.04	493.2	22.58	506.8	23.02
		76.1	359.6	13.86	389.2	16.16	424.0	18.81	460.8	21.19	474.8	21.69	493.2	22.23	506.8	22.65
		152.1	359.6	12.74	389.2	15.12	424.0	17.58	460.8	19.81	474.8	20.31	493.2	20.81	506.8	21.19
		190.1	359.6	12.40	389.2	14.78	424.0	17.24	460.8	19.42	474.8	19.92	493.2	20.42	506.8	20.61
		228.2	359.6	12.23	389.2	14.61	424.0	17.06	460.8	19.23	474.8	19.73	493.2	20.23	506.8	20.33

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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Cooling Capacity

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	86	60.8	359.6	17.39	389.2	20.21	424.0	23.53	460.8	26.49	474.8	27.11	493.2	27.77	506.8	28.28
		76.1	359.6	17.04	389.2	19.88	424.0	23.15	460.8	26.06	474.8	26.68	493.2	27.33	506.8	27.83
		152.1	359.6	15.66	389.2	18.58	424.0	21.65	460.8	24.38	474.8	24.95	493.2	25.60	506.8	26.06
		190.1	359.6	15.24	389.2	18.20	424.0	21.19	460.8	23.91	474.8	24.49	493.2	25.10	506.8	25.37
		228.2	359.6	15.03	389.2	18.00	424.0	20.96	460.8	23.69	474.8	24.26	493.2	24.86	506.8	25.03
	95	60.8	359.6	19.30	389.2	22.43	424.0	26.14	460.8	29.46	474.8	30.17	493.2	30.90	506.8	31.44
		76.1	359.6	18.92	389.2	22.07	424.0	25.72	460.8	28.98	474.8	29.67	493.2	30.40	506.8	30.94
		152.1	359.6	17.43	389.2	20.65	424.0	24.07	460.8	27.10	474.8	27.71	493.2	28.44	506.8	28.94
		190.1	359.6	16.93	389.2	20.19	424.0	23.57	460.8	26.56	474.8	27.22	493.2	27.91	506.8	28.18
		228.2	359.6	16.68	389.2	19.96	424.0	23.32	460.8	26.30	474.8	26.97	493.2	27.64	506.8	27.79
	104	60.8	359.6	22.87	389.2	26.57	424.0	30.98	460.8	34.88	474.8	35.71	493.2	36.55	506.8	37.21
		76.1	359.6	22.42	389.2	26.14	424.0	30.48	460.8	34.32	474.8	35.12	493.2	35.97	506.8	36.62
		152.1	359.6	20.61	389.2	24.45	424.0	28.48	460.8	32.09	474.8	32.82	493.2	33.66	506.8	34.28
		190.1	359.6	20.04	389.2	23.91	424.0	27.91	460.8	31.44	474.8	32.21	493.2	33.05	506.8	33.40
		228.2	359.6	19.75	389.2	23.65	424.0	27.62	460.8	31.11	474.8	31.90	493.2	32.75	506.8	32.96
	113	60.8	359.6	26.44	389.2	30.70	424.0	35.83	460.8	40.30	474.8	41.24	493.2	42.20	506.8	42.98
		76.1	359.6	25.91	389.2	30.21	424.0	35.24	460.8	39.65	474.8	40.57	493.2	41.53	506.8	42.30
		152.1	359.6	23.80	389.2	28.25	424.0	32.90	460.8	37.08	474.8	37.93	493.2	38.89	506.8	39.61
		190.1	359.6	23.15	389.2	27.64	424.0	32.24	460.8	36.31	474.8	37.20	493.2	38.19	506.8	38.62
		228.2	359.6	22.82	389.2	27.33	424.0	31.92	460.8	35.93	474.8	36.83	493.2	37.85	506.8	38.12
70	23	40.1	314.4	5.72	340.4	6.71	370.8	7.82	403.2	8.79	415.2	8.96	431.6	9.18	443.6	9.38
	32	45.0	314.4	5.72	340.4	6.71	370.8	7.82	403.2	8.79	415.2	8.96	431.6	9.18	443.6	9.38
	41	51.7	314.4	5.72	340.4	6.71	370.8	7.82	403.2	8.79	415.2	8.96	431.6	9.18	443.6	9.38
	50	60.8	314.4	5.72	340.4	6.71	370.8	7.82	403.2	8.79	415.2	8.96	431.6	9.18	443.6	9.38
		76.1	314.4	5.61	340.4	6.61	370.8	7.68	403.2	8.64	415.2	8.82	431.6	9.04	443.6	9.23
		152.1	314.4	5.17	340.4	6.21	370.8	7.12	403.2	8.05	415.2	8.27	431.6	8.49	443.6	8.64
		190.1	314.4	5.02	340.4	6.02	370.8	7.02	403.2	7.94	415.2	8.12	431.6	8.31	443.6	8.42
		228.2	314.4	4.94	340.4	5.92	370.8	6.96	403.2	7.89	415.2	8.05	431.6	8.21	443.6	8.31
	59	60.8	314.4	7.79	340.4	9.09	370.8	10.58	403.2	11.90	415.2	12.17	431.6	12.48	443.6	12.72
		76.1	314.4	7.64	340.4	8.94	370.8	10.40	403.2	11.71	415.2	11.98	431.6	12.28	443.6	12.51
		152.1	314.4	7.02	340.4	8.37	370.8	9.71	403.2	10.94	415.2	11.21	431.6	11.52	443.6	11.71
		190.1	314.4	6.83	340.4	8.18	370.8	9.52	403.2	10.75	415.2	11.02	431.6	11.29	443.6	11.40
		228.2	314.4	6.74	340.4	8.08	370.8	9.42	403.2	10.65	415.2	10.92	431.6	11.17	443.6	11.25
	67	60.8	314.4	9.64	340.4	11.20	370.8	13.02	403.2	14.67	415.2	15.02	431.6	15.41	443.6	15.68
		76.1	314.4	9.44	340.4	11.02	370.8	12.82	403.2	14.43	415.2	14.78	431.6	15.16	443.6	15.43
		152.1	314.4	8.68	340.4	10.29	370.8	12.01	403.2	13.51	415.2	13.82	431.6	14.20	443.6	14.43
		190.1	314.4	8.45	340.4	10.10	370.8	11.75	403.2	13.24	415.2	13.59	431.6	13.93	443.6	14.05
		228.2	314.4	8.33	340.4	10.00	370.8	11.61	403.2	13.11	415.2	13.47	431.6	13.80	443.6	13.86
	75	60.8	314.4	11.75	340.4	13.66	370.8	15.92	403.2	17.91	415.2	18.34	431.6	18.80	443.6	19.11
		76.1	314.4	11.52	340.4	13.44	370.8	15.66	403.2	17.62	415.2	18.04	431.6	18.50	443.6	18.81
		152.1	314.4	10.59	340.4	12.55	370.8	14.63	403.2	16.47	415.2	16.85	431.6	17.31	443.6	17.62
		190.1	314.4	10.29	340.4	12.28	370.8	14.32	403.2	16.16	415.2	16.54	431.6	16.97	443.6	17.16
		228.2	314.4	10.13	340.4	12.15	370.8	14.17	403.2	16.01	415.2	16.39	431.6	16.79	443.6	16.93
	86	60.8	314.4	14.46	340.4	16.78	370.8	19.54	403.2	22.05	415.2	22.55	431.6	23.09	443.6	23.53
		76.1	314.4	14.16	340.4	16.51	370.8	19.23	403.2	21.69	415.2	22.19	431.6	22.72	443.6	23.15
		152.1	314.4	13.01	340.4	15.43	370.8	18.00	403.2	20.27	415.2	20.77	431.6	21.27	443.6	21.65
		190.1	314.4	12.67	340.4	15.12	370.8	17.62	403.2	19.88	415.2	20.34	431.6	20.88	443.6	21.11
		228.2	314.4	12.50	340.4	14.97	370.8	17.43	403.2	19.69	415.2	20.13	431.6	20.69	443.6	20.85
	95	60.8	314.4	16.06	340.4	18.65	370.8	21.73	403.2	24.46	415.2	25.04	431.6	25.67	443.6	26.14
		76.1	314.4	15.74	340.4	18.35	370.8	21.38	403.2	24.07	415.2	24.64	431.6	25.26	443.6	25.72
		152.1	314.4	14.47	340.4	17.16	370.8	20.00	403.2	22.53	415.2	23.07	431.6	23.65	443.6	24.07
		190.1	314.4	14.09	340.4	16.81	370.8	19.58	403.2	22.07	415.2	22.61	431.6	23.19	443.6	23.45
		228.2	314.4	13.90	340.4	16.64	370.8	19.37	403.2	21.84	415.2	22.38	431.6	22.96	443.6	23.15
	104	60.8	314.4	19.03	340.4	22.08	370.8	25.75	403.2	28.99	415.2	29.70	431.6	30.39	443.6	30.93
		76.1	314.4	18.66	340.4	21.73	370.8	25.34	403.2	28.52	415.2	29.21	431.6	29.90	443.6	30.44
		152.1	314.4	17.16	340.4	20.34	370.8	23.68	403.2	26.68	415.2	27.29	431.6	27.98	443.6	28.52
		190.1	314.4	16.66	340.4	19.88	370.8	23.19	403.2	26.14	415.2	26.79	431.6	27.48	443.6	27.75
		228.2	314.4	16.41	340.4	19.65	370.8	22.94	403.2	25.87	415.2	26.55	431.6	27.24	443.6	27.37

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86°F and indoor ambient conditions of 80°F dry bulb (DB) and 67°F wet bulb (WB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	113	60.8	314.4	22.01	340.4	25.50	370.8	29.77	403.2	33.52	415.2	34.35	431.6	35.11	443.6	35.71
		76.1	314.4	21.57	340.4	25.10	370.8	29.29	403.2	32.97	415.2	33.78	431.6	34.55	443.6	35.16
		152.1	314.4	19.85	340.4	23.53	370.8	27.37	403.2	30.82	415.2	31.52	431.6	32.32	443.6	32.97
		190.1	314.4	19.23	340.4	22.96	370.8	26.79	403.2	30.21	415.2	30.98	431.6	31.78	443.6	32.05
		228.2	314.4	18.93	340.4	22.67	370.8	26.51	403.2	29.90	415.2	30.71	431.6	31.52	443.6	31.59
60	23	40.1	269.6	4.60	292.0	5.28	318.0	6.24	345.6	6.99	356.0	7.16	369.6	7.31	380.0	7.52
	32	45.0	269.6	4.60	292.0	5.28	318.0	6.24	345.6	6.99	356.0	7.16	369.6	7.31	380.0	7.52
	41	51.7	269.6	4.60	292.0	5.28	318.0	6.24	345.6	6.99	356.0	7.16	369.6	7.31	380.0	7.52
	50	60.8	269.6	4.60	292.0	5.28	318.0	6.24	345.6	6.99	356.0	7.16	369.6	7.31	380.0	7.52
		76.1	269.6	4.51	292.0	5.20	318.0	6.13	345.6	6.87	356.0	7.05	369.6	7.20	380.0	7.39
		152.1	269.6	4.14	292.0	4.87	318.0	5.72	345.6	6.38	356.0	6.61	369.6	6.76	380.0	6.87
		190.1	269.6	4.03	292.0	4.84	318.0	5.61	345.6	6.31	356.0	6.50	369.6	6.61	380.0	6.72
		228.2	269.6	3.97	292.0	4.83	318.0	5.56	345.6	6.28	356.0	6.45	369.6	6.53	380.0	6.65
	59	60.8	269.6	6.23	292.0	7.22	318.0	8.43	345.6	9.48	356.0	9.71	369.6	9.94	380.0	10.15
		76.1	269.6	6.10	292.0	7.10	318.0	8.29	345.6	9.33	356.0	9.56	369.6	9.79	380.0	9.98
		152.1	269.6	5.60	292.0	6.64	318.0	7.75	345.6	8.71	356.0	8.94	369.6	9.17	380.0	9.33
		190.1	269.6	5.45	292.0	6.53	318.0	7.60	345.6	8.56	356.0	8.79	369.6	8.98	380.0	9.10
		228.2	269.6	5.37	292.0	6.47	318.0	7.52	345.6	8.48	356.0	8.71	369.6	8.89	380.0	8.98
	67	60.8	269.6	7.68	292.0	8.94	318.0	10.38	345.6	11.70	356.0	11.98	369.6	12.29	380.0	12.48
		76.1	269.6	7.52	292.0	8.79	318.0	10.21	345.6	11.52	356.0	11.78	369.6	12.09	380.0	12.28
		152.1	269.6	6.91	292.0	8.21	318.0	9.56	345.6	10.79	356.0	11.02	369.6	11.32	380.0	11.52
		190.1	269.6	6.72	292.0	8.02	318.0	9.37	345.6	10.56	356.0	10.82	369.6	11.09	380.0	11.21
		228.2	269.6	6.62	292.0	7.93	318.0	9.27	345.6	10.44	356.0	10.73	369.6	10.98	380.0	11.06
	75	60.8	269.6	9.36	292.0	10.88	318.0	12.68	345.6	14.28	356.0	14.64	369.6	14.98	380.0	15.25
		76.1	269.6	9.17	292.0	10.71	318.0	12.48	345.6	14.05	356.0	14.39	369.6	14.74	380.0	15.01
		152.1	269.6	8.45	292.0	10.02	318.0	11.67	345.6	13.13	356.0	13.44	369.6	13.78	380.0	14.05
		190.1	269.6	8.21	292.0	9.79	318.0	11.44	345.6	12.86	356.0	13.20	369.6	13.55	380.0	13.67
		228.2	269.6	8.10	292.0	9.67	318.0	11.32	345.6	12.73	356.0	13.09	369.6	13.44	380.0	13.47
	86	60.8	269.6	11.51	292.0	13.38	318.0	15.61	345.6	17.56	356.0	17.99	369.6	18.41	380.0	18.76
		76.1	269.6	11.29	292.0	13.17	318.0	15.35	345.6	17.27	356.0	17.70	369.6	18.12	380.0	18.46
		152.1	269.6	10.40	292.0	12.32	318.0	14.36	345.6	16.16	356.0	16.54	369.6	16.97	380.0	17.27
		190.1	269.6	10.10	292.0	12.05	318.0	14.05	345.6	15.85	356.0	16.24	369.6	16.66	380.0	16.81
		228.2	269.6	9.94	292.0	11.92	318.0	13.90	345.6	15.70	356.0	16.08	369.6	16.51	380.0	16.58
	95	60.8	269.6	12.80	292.0	14.87	318.0	17.32	345.6	19.50	356.0	19.97	369.6	20.48	380.0	20.83
		76.1	269.6	12.55	292.0	14.63	318.0	17.04	345.6	19.19	356.0	19.65	369.6	20.15	380.0	20.50
		152.1	269.6	11.55	292.0	13.67	318.0	15.93	345.6	17.96	356.0	18.39	369.6	18.85	380.0	19.19
		190.1	269.6	11.21	292.0	13.40	318.0	15.62	345.6	17.58	356.0	18.04	369.6	18.50	380.0	18.69
		228.2	269.6	11.04	292.0	13.26	318.0	15.47	345.6	17.39	356.0	17.87	369.6	18.33	380.0	18.45
	104	60.8	269.6	15.16	292.0	17.64	318.0	20.52	345.6	23.09	356.0	23.64	369.6	24.23	380.0	24.70
		76.1	269.6	14.86	292.0	17.35	318.0	20.19	345.6	22.72	356.0	23.26	369.6	23.84	380.0	24.30
		152.1	269.6	13.67	292.0	16.20	318.0	18.89	345.6	21.27	356.0	21.77	369.6	22.30	380.0	22.72
		190.1	269.6	13.28	292.0	15.85	318.0	18.50	345.6	20.84	356.0	21.34	369.6	21.92	380.0	22.11
		228.2	269.6	13.09	292.0	15.68	318.0	18.31	345.6	20.63	356.0	21.13	369.6	21.73	380.0	21.80
	113	60.8	269.6	17.51	292.0	20.42	318.0	23.72	345.6	26.68	356.0	27.31	369.6	27.97	380.0	28.56
		76.1	269.6	17.16	292.0	20.08	318.0	23.34	345.6	26.26	356.0	26.87	369.6	27.52	380.0	28.10
		152.1	269.6	15.78	292.0	18.73	318.0	21.84	345.6	24.57	356.0	25.14	369.6	25.76	380.0	26.26
		190.1	269.6	15.35	292.0	18.31	318.0	21.38	345.6	24.11	356.0	24.64	369.6	25.34	380.0	25.53
		228.2	269.6	15.14	292.0	18.10	318.0	21.15	345.6	23.88	356.0	24.40	369.6	25.12	380.0	25.16
50	23	40.1	224.8	3.48	243.2	3.93	264.8	4.60	288.0	5.15	296.8	5.37	308.0	5.43	316.8	5.61
	32	45.0	224.8	3.48	243.2	3.93	264.8	4.60	288.0	5.15	296.8	5.37	308.0	5.43	316.8	5.61
	41	51.7	224.8	3.48	243.2	3.93	264.8	4.60	288.0	5.15	296.8	5.37	308.0	5.43	316.8	5.61
	50	60.8	224.8	3.48	243.2	3.93	264.8	4.60	288.0	5.15	296.8	5.37	308.0	5.43	316.8	5.61
		76.1	224.8	3.40	243.2	3.87	264.8	4.54	288.0	5.09	296.8	5.28	308.0	5.35	316.8	5.50
		152.1	224.8	3.10	243.2	3.66	264.8	4.28	288.0	4.84	296.8	4.95	308.0	5.02	316.8	5.09
		190.1	224.8	2.99	243.2	3.62	264.8	4.21	288.0	4.69	296.8	4.80	308.0	4.95	316.8	5.02
		228.2	224.8	2.93	243.2	3.61	264.8	4.18	288.0	4.61	296.8	4.72	308.0	4.91	316.8	4.99
	59	60.8	224.8	4.66	243.2	5.38	264.8	6.28	288.0	7.05	296.8	7.26	308.0	7.41	316.8	7.57
		76.1	224.8	4.57	243.2	5.30	264.8	6.18	288.0	6.95	296.8	7.14	308.0	7.29	316.8	7.45
		152.1	224.8	4.18	243.2	4.95	264.8	5.80	288.0	6.53	296.8	6.68	308.0	6.83	316.8	6.95
		190.1	224.8	4.07	243.2	4.88	264.8	5.68	288.0	6.37	296.8	6.53	308.0	6.72	316.8	6.79
		228.2	224.8	4.01	243.2	4.84	264.8	5.62	288.0	6.30	296.8	6.45	308.0	6.66	316.8	6.72

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Water Source Unit Entering Air Wet Bulb Temperature °F													
			57		61		64		67		70		73		76	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	67	60.8	224.8	5.72	243.2	6.68	264.8	7.76	288.0	8.74	296.8	8.94	308.0	9.17	316.8	9.32
		76.1	224.8	5.60	243.2	6.56	264.8	7.64	288.0	8.60	296.8	8.79	308.0	9.02	316.8	9.17
		152.1	224.8	5.14	243.2	6.10	264.8	7.14	288.0	8.02	296.8	8.21	308.0	8.45	316.8	8.60
		190.1	224.8	5.03	243.2	5.99	264.8	6.99	288.0	7.87	296.8	8.06	308.0	8.29	316.8	8.37
		228.2	224.8	4.97	243.2	5.93	264.8	6.91	288.0	7.79	296.8	7.98	308.0	8.22	316.8	8.25
	75	60.8	224.8	6.97	243.2	8.12	264.8	9.43	288.0	10.65	296.8	10.88	308.0	11.15	316.8	11.34
		76.1	224.8	6.83	243.2	7.98	264.8	9.29	288.0	10.48	296.8	10.71	308.0	10.98	316.8	11.17
		152.1	224.8	6.30	243.2	7.45	264.8	8.71	288.0	9.79	296.8	10.02	308.0	10.29	316.8	10.48
		190.1	224.8	6.10	243.2	7.29	264.8	8.52	288.0	9.60	296.8	9.83	308.0	10.10	316.8	10.21
		228.2	224.8	6.01	243.2	7.22	264.8	8.43	288.0	9.50	296.8	9.73	308.0	10.00	316.8	10.08
	86	60.8	224.8	8.57	243.2	9.99	264.8	11.62	288.0	13.11	296.8	13.43	308.0	13.73	316.8	13.97
		76.1	224.8	8.41	243.2	9.83	264.8	11.44	288.0	12.90	296.8	13.20	308.0	13.51	316.8	13.74
		152.1	224.8	7.75	243.2	9.17	264.8	10.71	288.0	12.05	296.8	12.32	308.0	12.67	316.8	12.86
		190.1	224.8	7.52	243.2	8.98	264.8	10.48	288.0	11.82	296.8	12.09	308.0	12.40	316.8	12.55
		228.2	224.8	7.41	243.2	8.89	264.8	10.36	288.0	11.71	296.8	11.98	308.0	12.27	316.8	12.40
	95	60.8	224.8	9.56	243.2	11.08	264.8	12.91	288.0	14.55	296.8	14.91	308.0	15.25	316.8	15.52
		76.1	224.8	9.37	243.2	10.90	264.8	12.71	288.0	14.32	296.8	14.66	308.0	15.01	316.8	15.28
		152.1	224.8	8.60	243.2	10.21	264.8	11.90	288.0	13.40	296.8	13.70	308.0	14.05	316.8	14.32
		190.1	224.8	8.37	243.2	9.98	264.8	11.63	288.0	13.13	296.8	13.44	308.0	13.78	316.8	13.93
		228.2	224.8	8.25	243.2	9.87	264.8	11.50	288.0	12.99	296.8	13.30	308.0	13.65	316.8	13.74
	104	60.8	224.8	11.33	243.2	13.15	264.8	15.29	288.0	17.25	296.8	17.63	308.0	18.05	316.8	18.42
		76.1	224.8	11.09	243.2	12.94	264.8	15.05	288.0	16.97	296.8	17.35	308.0	17.77	316.8	18.12
		152.1	224.8	10.17	243.2	12.09	264.8	14.09	288.0	15.85	296.8	16.24	308.0	16.66	316.8	16.93
		190.1	224.8	9.90	243.2	11.82	264.8	13.78	288.0	15.55	296.8	15.93	308.0	16.31	316.8	16.51
		228.2	224.8	9.77	243.2	11.69	264.8	13.63	288.0	15.39	296.8	15.78	308.0	16.14	316.8	16.30
	113	60.8	224.8	13.09	243.2	15.22	264.8	17.67	288.0	19.95	296.8	20.36	308.0	20.86	316.8	21.32
		76.1	224.8	12.82	243.2	14.97	264.8	17.39	288.0	19.62	296.8	20.04	308.0	20.54	316.8	20.96
		152.1	224.8	11.75	243.2	13.97	264.8	16.28	288.0	18.31	296.8	18.77	308.0	19.27	316.8	19.54
		190.1	224.8	11.44	243.2	13.67	264.8	15.93	288.0	17.96	296.8	18.43	308.0	18.85	316.8	19.08
		228.2	224.8	11.29	243.2	13.51	264.8	15.76	288.0	17.79	296.8	18.25	308.0	18.64	316.8	18.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal cooling capacity rating obtained with entering water of 86ºF and indoor ambient conditions of 80ºF dry bulb (DB) and 67ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	8.1	38.3	4.15	38.0	3.90	37.8	3.63	37.3	3.53	37.7	3.44	36.7	3.08
		10.2	39.6	4.22	39.3	3.98	39.1	3.71	38.6	3.60	39.0	3.51	38.0	3.15
		20.3	44.8	4.51	44.5	4.28	44.2	4.03	43.6	3.91	44.2	3.80	43.0	3.41
		25.4	49.6	4.79	49.1	4.57	48.8	4.34	48.2	4.23	48.8	4.10	47.5	3.68
		30.5	52.0	4.94	51.5	4.72	51.1	4.50	50.5	4.38	51.2	4.25	49.8	3.81
	32	8.1	68.5	5.67	66.9	5.50	65.5	5.32	64.0	5.17	64.3	5.03	61.3	4.51
		10.2	68.9	5.69	67.3	5.52	65.9	5.34	64.4	5.19	64.6	5.05	61.7	4.52
		20.3	70.5	5.75	68.8	5.57	67.4	5.40	65.9	5.25	66.2	5.10	63.2	4.57
		25.4	71.6	5.75	69.8	5.57	68.4	5.40	66.9	5.25	67.1	5.10	64.1	4.57
		30.5	72.1	5.75	70.4	5.57	68.9	5.40	67.4	5.25	67.6	5.10	64.6	4.57
	41	8.1	98.6	6.10	97.1	5.95	95.1	5.79	92.7	5.63	90.2	5.48	85.2	4.90
		10.2	98.9	6.12	97.3	5.97	95.1	5.82	92.7	5.66	90.2	5.50	85.2	4.93
		20.3	100.3	6.23	98.0	6.08	95.2	5.94	92.7	5.78	90.2	5.61	85.2	5.03
		25.4	100.9	6.27	98.3	6.12	95.2	5.98	92.7	5.82	90.2	5.65	85.2	5.07
		30.5	101.2	6.30	98.4	6.14	95.2	6.00	92.7	5.84	90.2	5.67	85.2	5.08
	50	8.1	98.7	5.55	97.1	5.36	94.8	5.26	92.3	5.14	89.8	4.97	84.9	4.48
		10.2	99.3	5.54	97.6	5.37	95.2	5.27	92.7	5.14	90.2	4.96	85.2	4.48
		20.3	101.6	5.50	99.4	5.39	96.7	5.31	94.2	5.13	91.5	4.95	86.6	4.47
		25.4	102.2	5.57	100.1	5.46	97.3	5.33	94.6	5.15	92.2	5.03	87.1	4.68
		30.5	102.4	5.61	100.4	5.50	97.6	5.34	94.9	5.17	92.5	5.07	87.4	4.78
	59	8.1	98.9	5.00	97.1	4.79	94.4	4.74	91.9	4.66	89.5	4.46	84.5	4.06
		10.2	99.7	4.95	97.9	4.77	95.2	4.72	92.7	4.62	90.2	4.42	85.2	4.03
		20.3	102.9	4.75	100.8	4.68	98.2	4.68	95.7	4.49	92.9	4.29	87.9	3.89
		25.4	103.5	4.87	101.8	4.79	99.4	4.68	96.7	4.49	94.2	4.41	89.0	4.29
		30.5	103.7	4.93	102.3	4.85	100.0	4.68	97.2	4.49	94.8	4.47	89.5	4.49
	68	8.1	102.6	4.59	100.8	4.37	98.1	4.28	95.4	4.14	92.6	4.05	87.1	3.92
		10.2	103.5	4.55	101.6	4.37	98.9	4.27	96.1	4.16	93.4	4.08	87.9	3.89
		20.3	106.7	4.42	104.8	4.36	101.9	4.26	99.2	4.23	96.7	4.19	91.2	3.76
		25.4	107.1	4.42	105.6	4.36	103.1	4.29	100.1	4.23	97.4	4.19	91.9	4.00
		30.5	107.4	4.42	105.9	4.36	103.7	4.30	100.6	4.23	97.8	4.19	92.3	4.12
	77	8.1	108.4	4.37	105.6	4.25	103.1	4.18	101.1	4.11	98.9	4.05	93.2	3.78
		10.2	108.4	4.36	105.6	4.24	103.1	4.16	101.1	4.09	98.9	4.03	93.2	3.76
		20.3	108.4	4.29	105.6	4.21	103.1	4.09	101.1	4.03	98.9	3.96	93.2	3.69
		25.4	108.4	4.23	105.6	4.10	103.1	4.03	101.1	3.96	98.9	3.89	93.2	3.63
		30.5	108.4	4.20	105.6	4.05	103.1	4.00	101.1	3.93	98.9	3.86	93.2	3.60
	86	8.1	108.4	4.26	105.6	4.05	103.1	4.01	101.1	3.91	98.9	3.86	93.2	3.60
		10.2	108.4	4.23	105.6	4.04	103.1	3.99	101.1	3.89	98.9	3.83	93.2	3.56
		20.3	108.4	4.09	105.6	4.01	103.1	3.89	101.1	3.83	98.9	3.69	93.2	3.43
		25.4	108.4	4.03	105.6	3.91	103.1	3.83	101.1	3.76	98.9	3.69	93.2	3.43
		30.5	108.4	4.00	105.6	3.85	103.1	3.80	101.1	3.73	98.9	3.69	93.2	3.43
	95	8.1	108.4	4.06	105.6	3.93	103.1	3.85	101.1	3.71	98.9	3.58	93.2	3.33
		10.2	108.4	4.03	105.6	3.91	103.1	3.83	101.1	3.69	98.9	3.56	93.2	3.30
		20.3	108.4	3.89	105.6	3.82	103.1	3.76	101.1	3.63	98.9	3.50	93.2	3.17
		25.4	108.4	3.89	105.6	3.78	103.1	3.69	101.1	3.56	98.9	3.43	93.2	3.17
		30.5	108.4	3.89	105.6	3.76	103.1	3.66	101.1	3.53	98.9	3.40	93.2	3.17
	104	8.1	108.4	3.92	105.6	3.80	103.1	3.73	101.1	3.60	98.9	3.47	93.2	3.13
		10.2	108.4	3.89	105.6	3.78	103.1	3.69	101.1	3.56	98.9	3.43	93.2	3.10
		20.3	108.4	3.76	105.6	3.68	103.1	3.56	101.1	3.43	98.9	3.30	93.2	2.97
		25.4	108.4	3.69	105.6	3.62	103.1	3.56	101.1	3.43	98.9	3.30	93.2	2.97
		30.5	108.4	3.66	105.6	3.59	103.1	3.56	101.1	3.43	98.9	3.30	93.2	2.97
	113	8.1	108.4	3.79	105.6	3.67	103.1	3.61	101.1	3.48	98.9	3.35	93.2	2.93
		10.2	108.4	3.76	105.6	3.65	103.1	3.56	101.1	3.43	98.9	3.30	93.2	2.90
		20.3	108.4	3.63	105.6	3.55	103.1	3.37	101.1	3.24	98.9	3.10	93.2	2.77
		25.4	108.4	3.50	105.6	3.46	103.1	3.43	101.1	3.30	98.9	3.17	93.2	2.77
		30.5	108.4	3.43	105.6	3.42	103.1	3.47	101.1	3.33	98.9	3.20	93.2	2.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN072DAS4, ARWB072DAS4
72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heatling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	8.1	36.4	4.15	36.1	3.90	35.9	3.63	35.5	3.48	35.8	3.38	34.8	3.03
		10.2	37.7	4.22	37.4	3.98	37.1	3.71	36.7	3.56	37.0	3.45	36.0	3.09
		20.3	42.6	4.51	42.3	4.28	42.0	4.03	41.5	3.86	41.9	3.75	40.8	3.36
		25.4	47.1	4.79	46.7	4.57	46.4	4.34	45.9	4.16	46.3	4.04	45.0	3.62
		30.5	49.3	4.94	49.0	4.72	48.6	4.50	48.1	4.32	48.5	4.19	47.1	3.75
	32	8.1	65.1	5.67	63.5	5.50	62.2	5.32	60.9	5.10	60.9	4.96	58.1	4.43
		10.2	65.5	5.69	63.9	5.52	62.5	5.34	61.3	5.11	61.3	4.97	58.5	4.44
		20.3	67.0	5.75	65.4	5.57	64.0	5.40	62.7	5.18	62.7	5.03	59.9	4.50
		25.4	68.0	5.75	66.5	5.57	65.0	5.40	63.7	5.18	63.6	5.03	60.8	4.50
		30.5	68.6	5.75	67.0	5.57	65.5	5.40	64.2	5.18	64.1	5.03	61.3	4.50
	41	8.1	93.8	6.10	92.4	5.95	90.4	5.79	88.2	5.55	85.4	5.39	80.8	4.83
		10.2	94.2	6.12	92.6	5.97	90.4	5.82	88.2	5.58	85.4	5.42	80.8	4.85
		20.3	95.5	6.23	93.3	6.08	90.4	5.94	88.2	5.69	85.4	5.53	80.8	4.95
		25.4	96.1	6.27	92.8	6.12	90.4	5.98	88.2	5.74	85.4	5.57	80.8	4.98
		30.5	96.3	6.30	92.5	6.14	90.4	6.00	88.2	5.76	85.4	5.59	80.8	5.00
	50	8.1	94.2	5.48	92.4	5.33	90.2	5.22	88.0	5.06	85.2	4.89	80.6	4.40
		10.2	94.6	5.50	92.8	5.35	90.4	5.24	88.2	5.07	85.4	4.89	80.8	4.40
		20.3	96.4	5.57	94.3	5.43	91.4	5.31	89.2	5.09	86.3	4.87	81.6	4.42
		25.4	96.9	5.55	94.0	5.43	91.8	5.33	89.6	5.11	86.7	4.90	82.0	4.57
		30.5	97.2	5.54	93.9	5.43	92.0	5.34	89.8	5.12	86.9	4.91	82.2	4.65
	59	8.1	94.5	4.86	92.6	4.71	89.9	4.64	87.7	4.57	85.0	4.39	80.3	3.98
		10.2	95.0	4.87	93.1	4.72	90.4	4.65	88.2	4.55	85.4	4.36	80.8	3.96
		20.3	97.2	4.91	95.4	4.77	92.5	4.68	90.2	4.49	87.2	4.23	82.5	3.89
		25.4	97.7	4.83	95.3	4.72	93.2	4.68	90.9	4.49	87.9	4.23	83.3	4.16
		30.5	98.0	4.80	95.3	4.70	93.6	4.68	91.3	4.49	88.3	4.23	83.6	4.29
	68	8.1	97.1	4.37	95.3	4.18	92.4	4.07	89.8	4.01	86.9	3.96	82.2	3.76
		10.2	97.7	4.37	95.8	4.20	92.9	4.09	90.4	4.03	87.5	3.96	82.7	3.75
		20.3	100.2	4.37	98.1	4.26	94.9	4.16	92.7	4.09	89.7	3.95	84.7	3.69
		25.4	100.7	4.33	98.0	4.23	95.7	4.16	93.2	4.09	90.2	3.96	85.2	3.83
		30.5	100.9	4.31	98.0	4.21	96.1	4.16	93.5	4.09	90.5	3.97	85.5	3.90
	77	8.1	101.8	4.13	98.9	3.94	95.7	3.86	93.7	3.78	91.2	3.71	86.2	3.45
		10.2	101.9	4.12	98.9	3.93	95.7	3.86	93.7	3.76	91.2	3.69	86.2	3.43
		20.3	102.1	4.06	98.9	3.91	95.7	3.83	93.7	3.69	91.2	3.63	86.2	3.37
		25.4	102.4	3.91	98.9	3.80	95.7	3.76	93.7	3.69	91.2	3.56	86.2	3.37
		30.5	102.6	3.83	98.9	3.75	95.7	3.73	93.7	3.69	91.2	3.53	86.2	3.37
	86	8.1	102.4	3.95	98.9	3.76	95.7	3.65	93.7	3.51	91.2	3.47	86.2	3.19
		10.2	102.4	3.92	98.9	3.73	95.7	3.63	93.7	3.50	91.2	3.43	86.2	3.17
		20.3	102.4	3.79	98.9	3.65	95.7	3.56	93.7	3.43	91.2	3.30	86.2	3.10
		25.4	102.4	3.67	98.9	3.56	95.7	3.50	93.7	3.43	91.2	3.30	86.2	3.04
		30.5	102.4	3.60	98.9	3.52	95.7	3.46	93.7	3.43	91.2	3.30	86.2	3.01
	95	8.1	102.4	3.77	98.9	3.57	95.7	3.47	93.7	3.33	91.2	3.20	86.2	2.92
		10.2	102.4	3.72	98.9	3.54	95.7	3.43	93.7	3.30	91.2	3.17	86.2	2.90
		20.3	102.4	3.51	98.9	3.41	95.7	3.30	93.7	3.17	91.2	3.04	86.2	2.84
		25.4	102.4	3.47	98.9	3.38	95.7	3.30	93.7	3.17	91.2	3.04	86.2	2.77
		30.5	102.4	3.45	98.9	3.37	95.7	3.30	93.7	3.17	91.2	3.04	86.2	2.74
	104	8.1	102.4	3.66	98.9	3.41	95.7	3.27	93.7	3.13	91.2	3.00	86.2	2.72
		10.2	102.4	3.59	98.9	3.37	95.7	3.24	93.7	3.10	91.2	2.97	86.2	2.70
		20.3	102.4	3.31	98.9	3.21	95.7	3.10	93.7	2.97	91.2	2.84	86.2	2.64
		25.4	102.4	3.27	98.9	3.17	95.7	3.10	93.7	2.97	91.2	2.84	86.2	2.57
		30.5	102.4	3.25	98.9	3.15	95.7	3.10	93.7	2.97	91.2	2.84	86.2	2.54
	113	8.1	102.4	3.55	98.9	3.24	95.7	3.07	93.7	2.93	91.2	2.80	86.2	2.52
		10.2	102.4	3.46	98.9	3.20	95.7	3.04	93.7	2.90	91.2	2.77	86.2	2.51
		20.3	102.4	3.11	98.9	3.01	95.7	2.90	93.7	2.77	91.2	2.64	86.2	2.44
		25.4	102.4	3.07	98.9	2.96	95.7	2.90	93.7	2.77	91.2	2.64	86.2	2.38
		30.5	102.4	3.05	98.9	2.93	95.7	2.90	93.7	2.77	91.2	2.64	86.2	2.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	8.1	34.5	4.20	34.2	3.90	34.0	3.63	33.7	3.48	33.7	3.38	33.0	3.03
		10.2	35.6	4.27	35.4	3.98	35.2	3.71	34.8	3.56	34.9	3.45	34.1	3.09
		20.3	40.3	4.56	40.1	4.28	39.9	4.03	39.4	3.86	39.4	3.75	38.7	3.36
		25.4	44.5	4.85	44.2	4.57	44.0	4.34	43.6	4.16	43.6	4.04	42.6	3.62
		30.5	46.7	5.00	46.3	4.72	46.1	4.50	45.6	4.32	45.6	4.19	44.7	3.75
	32	8.1	61.6	5.75	60.2	5.50	59.0	5.32	57.8	5.10	57.3	4.96	55.1	4.43
		10.2	61.9	5.76	60.6	5.52	59.3	5.34	58.2	5.11	57.6	4.97	55.5	4.44
		20.3	63.4	5.82	62.0	5.57	60.7	5.40	59.5	5.18	59.0	5.03	56.7	4.50
		25.4	64.3	5.82	63.0	5.57	61.6	5.40	60.4	5.18	59.9	5.03	57.6	4.50
		30.5	64.8	5.82	63.5	5.57	62.1	5.40	60.9	5.18	60.4	5.03	58.0	4.50
	41	8.1	89.8	6.18	87.7	5.95	85.7	5.79	83.7	5.55	80.5	5.39	76.6	4.83
		10.2	90.1	6.21	87.9	5.97	85.7	5.82	83.7	5.58	80.5	5.42	76.6	4.85
		20.3	91.3	6.32	88.5	6.08	85.7	5.94	83.7	5.69	80.5	5.53	76.6	4.95
		25.4	91.9	6.36	88.8	6.12	85.7	5.98	83.7	5.74	80.5	5.57	76.6	4.98
		30.5	92.1	6.38	88.9	6.14	85.7	6.00	83.7	5.76	80.5	5.59	76.6	5.00
	50	8.1	90.2	5.54	87.9	5.35	85.5	5.23	83.6	5.06	80.3	4.89	76.5	4.40
		10.2	90.5	5.55	88.2	5.37	85.7	5.25	83.7	5.07	80.5	4.89	76.6	4.40
		20.3	91.9	5.59	89.1	5.43	86.2	5.31	84.2	5.09	81.0	4.87	76.9	4.42
		25.4	92.4	5.59	89.4	5.43	86.5	5.30	84.4	5.08	81.2	4.90	77.2	4.47
		30.5	92.6	5.59	89.6	5.43	86.7	5.29	84.5	5.07	81.2	4.91	77.3	4.50
	59	8.1	90.4	4.90	88.1	4.77	85.5	4.68	83.5	4.57	80.2	4.39	76.4	3.98
		10.2	90.8	4.90	88.4	4.77	85.7	4.68	83.7	4.55	80.5	4.36	76.6	3.96
		20.3	92.3	4.87	89.7	4.77	86.7	4.68	84.7	4.49	81.5	4.23	77.3	3.89
		25.4	92.8	4.83	90.1	4.72	87.2	4.62	85.0	4.42	81.8	4.23	77.8	3.96
		30.5	93.1	4.82	90.3	4.70	87.4	4.59	85.1	4.39	81.9	4.23	78.0	3.99
	68	8.1	92.1	4.23	89.6	4.13	86.7	4.03	84.4	3.96	81.3	3.85	77.0	3.60
		10.2	92.6	4.24	89.9	4.13	87.0	4.03	84.7	3.96	81.5	3.83	77.3	3.59
		20.3	94.6	4.27	91.1	4.13	87.9	4.03	86.0	3.96	82.5	3.76	78.5	3.56
		25.4	95.1	4.27	91.9	4.13	88.5	4.03	86.2	3.89	83.0	3.76	78.7	3.56
		30.5	95.4	4.27	92.2	4.13	88.7	4.03	86.3	3.86	83.2	3.76	78.9	3.56
	77	8.1	95.0	3.85	92.2	3.71	88.5	3.65	86.5	3.51	83.5	3.38	79.0	3.10
		10.2	95.2	3.84	92.2	3.69	88.5	3.63	86.5	3.50	83.5	3.37	79.0	3.10
		20.3	95.9	3.82	92.2	3.63	88.5	3.56	86.5	3.43	83.5	3.30	79.0	3.10
		25.4	96.4	3.82	92.2	3.65	88.5	3.50	86.5	3.43	83.5	3.24	79.0	3.04
		30.5	96.6	3.82	92.2	3.65	88.5	3.46	86.5	3.43	83.5	3.21	79.0	3.01
	86	8.1	96.4	3.51	92.2	3.38	88.5	3.25	86.5	3.19	83.5	2.99	79.0	2.79
		10.2	96.4	3.50	92.2	3.37	88.5	3.24	86.5	3.17	83.5	2.97	79.0	2.77
		20.3	96.4	3.43	92.2	3.30	88.5	3.17	86.5	3.10	83.5	2.90	79.0	2.70
		25.4	96.4	3.41	92.2	3.24	88.5	3.10	86.5	3.04	83.5	2.90	79.0	2.70
		30.5	96.4	3.39	92.2	3.21	88.5	3.07	86.5	3.01	83.5	2.90	79.0	2.70
	95	8.1	96.4	3.33	92.2	3.12	88.5	2.99	86.5	2.86	83.5	2.72	79.0	2.52
		10.2	96.4	3.30	92.2	3.10	88.5	2.97	86.5	2.84	83.5	2.70	79.0	2.51
		20.3	96.4	3.17	92.2	3.04	88.5	2.90	86.5	2.77	83.5	2.64	79.0	2.44
		25.4	96.4	3.09	92.2	2.97	88.5	2.84	86.5	2.77	83.5	2.64	79.0	2.44
		30.5	96.4	3.04	92.2	2.94	88.5	2.81	86.5	2.77	83.5	2.64	79.0	2.44
	104	8.1	96.4	3.13	92.2	3.00	88.5	2.80	86.5	2.66	83.5	2.52	79.0	2.32
		10.2	96.4	3.10	92.2	2.97	88.5	2.77	86.5	2.64	83.5	2.51	79.0	2.31
		20.3	96.4	2.97	92.2	2.84	88.5	2.64	86.5	2.57	83.5	2.44	79.0	2.25
		25.4	96.4	2.93	92.2	2.77	88.5	2.64	86.5	2.51	83.5	2.38	79.0	2.18
		30.5	96.4	2.91	92.2	2.74	88.5	2.64	86.5	2.47	83.5	2.34	79.0	2.14
	113	8.1	96.4	2.93	92.2	2.89	88.5	2.62	86.5	2.46	83.5	2.32	79.0	2.13
		10.2	96.4	2.90	92.2	2.84	88.5	2.57	86.5	2.44	83.5	2.31	79.0	2.11
		20.3	96.4	2.77	92.2	2.64	88.5	2.38	86.5	2.38	83.5	2.25	79.0	2.05
		25.4	96.4	2.77	92.2	2.57	88.5	2.44	86.5	2.25	83.5	2.11	79.0	1.91
		30.5	96.4	2.77	92.2	2.54	88.5	2.48	86.5	2.18	83.5	2.04	79.0	1.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68°F and indoor ambient conditions of 70°F dry bulb (DB).

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ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	8.1	32.6	4.20	32.3	3.96	32.2	3.63	31.9	3.48	31.6	3.33	31.0	3.03
		10.2	33.7	4.27	33.5	4.04	33.3	3.71	33.0	3.56	32.7	3.40	32.1	3.09
		20.3	38.1	4.56	37.9	4.34	37.7	4.03	37.3	3.86	37.0	3.69	36.4	3.36
		25.4	42.1	4.85	41.8	4.64	41.6	4.34	41.2	4.16	40.9	3.98	40.2	3.62
		30.5	44.1	5.00	43.8	4.79	43.6	4.50	43.2	4.32	42.9	4.12	42.1	3.75
	32	8.1	58.2	5.75	56.9	5.58	55.7	5.32	54.8	5.10	53.8	4.88	51.9	4.43
		10.2	58.5	5.76	57.3	5.59	56.1	5.34	55.1	5.11	54.1	4.90	52.2	4.44
		20.3	59.9	5.82	58.6	5.65	57.3	5.40	56.4	5.18	55.4	4.95	53.4	4.50
		25.4	60.8	5.82	59.5	5.65	58.2	5.40	57.2	5.18	56.2	4.95	54.3	4.50
		30.5	61.3	5.82	60.0	5.65	58.7	5.40	57.6	5.18	56.6	4.95	54.7	4.50
	41	8.1	85.9	6.18	83.0	6.03	80.9	5.79	79.3	5.55	75.5	5.31	72.0	4.83
		10.2	86.2	6.21	83.2	6.06	80.9	5.82	79.3	5.58	75.5	5.34	72.0	4.85
		20.3	87.4	6.32	83.8	6.17	81.0	5.94	79.3	5.69	75.5	5.45	72.0	4.95
		25.4	87.9	6.36	84.0	6.21	81.0	5.98	79.3	5.74	75.5	5.48	72.0	4.98
		30.5	88.2	6.38	84.1	6.23	81.0	6.00	79.3	5.76	75.5	5.50	72.0	5.00
	50	8.1	86.4	5.52	83.3	5.40	81.0	5.23	79.3	5.06	75.5	4.81	72.0	4.40
		10.2	86.6	5.55	83.4	5.42	81.0	5.25	79.3	5.07	75.5	4.81	72.0	4.40
		20.3	87.4	5.65	83.9	5.49	81.0	5.31	79.3	5.09	75.5	4.83	72.0	4.42
		25.4	88.0	5.63	84.2	5.49	81.0	5.30	79.3	5.08	75.5	4.82	72.0	4.40
		30.5	88.3	5.62	84.4	5.49	81.0	5.29	79.3	5.07	75.5	4.81	72.0	4.39
	59	8.1	86.8	4.87	83.7	4.79	81.0	4.68	79.3	4.57	75.5	4.30	72.0	3.98
		10.2	87.0	4.90	83.7	4.79	81.0	4.68	79.3	4.55	75.5	4.29	72.0	3.96
		20.3	87.4	4.99	83.9	4.81	81.0	4.68	79.3	4.49	75.5	4.23	72.0	3.89
		25.4	88.2	4.91	84.4	4.77	81.0	4.62	79.3	4.42	75.5	4.16	72.0	3.83
		30.5	88.5	4.87	84.6	4.75	81.0	4.59	79.3	4.39	75.5	4.12	72.0	3.80
	68	8.1	87.3	4.17	84.1	4.06	81.0	3.96	79.3	3.91	75.5	3.65	72.0	3.47
		10.2	87.6	4.19	84.2	4.06	81.0	3.96	79.3	3.89	75.5	3.63	72.0	3.43
		20.3	88.9	4.26	84.4	4.08	81.0	3.96	79.3	3.83	75.5	3.56	72.0	3.30
		25.4	89.4	4.19	85.1	4.04	81.0	3.89	79.3	3.76	75.5	3.50	72.0	3.24
		30.5	89.7	4.15	85.5	4.02	81.0	3.86	79.3	3.73	75.5	3.46	72.0	3.21
	77	8.1	88.4	3.64	85.4	3.53	81.0	3.38	79.3	3.25	75.5	3.06	72.0	2.77
		10.2	88.7	3.65	85.4	3.51	81.0	3.37	79.3	3.24	75.5	3.04	72.0	2.77
		20.3	90.0	3.66	85.4	3.43	81.0	3.30	79.3	3.17	75.5	2.97	72.0	2.77
		25.4	90.4	3.58	85.4	3.41	81.0	3.24	79.3	3.10	75.5	2.97	72.0	2.70
		30.5	90.6	3.54	85.4	3.39	81.0	3.21	79.3	3.07	75.5	2.97	72.0	2.67
	86	8.1	90.4	3.31	85.4	3.06	81.0	2.85	79.3	2.79	75.5	2.57	72.0	2.46
		10.2	90.4	3.30	85.4	3.04	81.0	2.84	79.3	2.77	75.5	2.57	72.0	2.44
		20.3	90.4	3.24	85.4	2.97	81.0	2.81	79.3	2.70	75.5	2.57	72.0	2.38
		25.4	90.4	3.17	85.4	2.97	81.0	2.77	79.3	2.70	75.5	2.51	72.0	2.38
		30.5	90.4	3.13	85.4	2.97	81.0	2.75	79.3	2.70	75.5	2.47	72.0	2.38
	95	8.1	90.4	3.07	85.4	2.80	81.0	2.51	79.3	2.46	75.5	2.32	72.0	2.13
		10.2	90.4	3.04	85.4	2.77	81.0	2.51	79.3	2.44	75.5	2.31	72.0	2.11
		20.3	90.4	2.90	85.4	2.64	81.0	2.48	79.3	2.38	75.5	2.25	72.0	2.05
		25.4	90.4	2.90	85.4	2.64	81.0	2.44	79.3	2.38	75.5	2.25	72.0	2.05
		30.5	90.4	2.90	85.4	2.64	81.0	2.43	79.3	2.38	75.5	2.25	72.0	2.05
	104	8.1	90.4	2.87	85.4	2.61	81.0	2.25	79.3	2.20	75.5	2.07	72.0	1.93
		10.2	90.4	2.84	85.4	2.57	81.0	2.25	79.3	2.18	75.5	2.05	72.0	1.91
		20.3	90.4	2.70	85.4	2.44	81.0	2.22	79.3	2.11	75.5	1.98	72.0	1.85
		25.4	90.4	2.64	85.4	2.44	81.0	2.18	79.3	2.11	75.5	1.98	72.0	1.85
		30.5	90.4	2.61	85.4	2.44	81.0	2.16	79.3	2.11	75.5	1.98	72.0	1.85
	113	8.1	90.4	2.68	85.4	2.41	81.0	1.99	79.3	1.93	75.5	1.80	72.0	1.73
		10.2	90.4	2.64	85.4	2.38	81.0	1.98	79.3	1.91	75.5	1.78	72.0	1.71
		20.3	90.4	2.51	85.4	2.25	81.0	1.95	79.3	1.85	75.5	1.71	72.0	1.65
		25.4	90.4	2.38	85.4	2.25	81.0	1.91	79.3	1.85	75.5	1.71	72.0	1.65
		30.5	90.4	2.31	85.4	2.25	81.0	1.89	79.3	1.85	75.5	1.71	72.0	1.65

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68°F and indoor ambient conditions of 70°F dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	8.1	30.7	3.90	29.8	3.55	28.9	3.12	28.7	2.97	28.5	2.87	28.0	2.57
		10.2	31.8	3.97	30.8	3.62	29.9	3.19	29.7	3.04	29.5	2.93	28.9	2.63
		20.3	36.0	4.23	34.9	3.88	33.8	3.46	33.6	3.30	33.4	3.18	32.7	2.85
		25.4	39.8	4.50	38.5	4.16	37.4	3.73	37.1	3.56	36.8	3.43	36.2	3.08
		30.5	41.7	4.63	40.3	4.30	39.2	3.87	38.8	3.69	38.6	3.55	37.9	3.19
	32	8.1	55.0	5.31	52.4	4.98	50.0	4.58	49.3	4.36	48.5	4.20	46.7	3.77
		10.2	55.3	5.33	52.7	5.00	50.3	4.59	49.6	4.38	48.8	4.21	46.9	3.78
		20.3	56.6	5.38	53.9	5.05	51.5	4.64	50.7	4.42	49.9	4.26	48.1	3.82
		25.4	57.4	5.38	54.8	5.05	52.4	4.64	51.5	4.42	50.7	4.26	48.8	3.82
		30.5	57.8	5.38	55.2	5.05	52.8	4.64	51.8	4.42	51.1	4.26	49.2	3.82
	41	8.1	77.7	5.70	75.2	5.38	72.8	4.98	71.3	4.75	68.1	4.57	64.9	4.10
		10.2	77.8	5.73	75.1	5.41	72.8	5.00	71.3	4.77	68.1	4.59	64.9	4.12
		20.3	78.1	5.83	74.9	5.51	72.8	5.10	71.3	4.87	68.1	4.69	64.9	4.21
		25.4	78.5	5.86	75.1	5.54	72.8	5.14	71.3	4.90	68.1	4.72	64.9	4.24
		30.5	78.7	5.88	75.2	5.56	72.8	5.16	71.3	4.92	68.1	4.74	64.9	4.26
	50	8.1	78.1	5.04	75.4	4.79	72.8	4.51	71.3	4.32	68.1	4.15	64.9	3.74
		10.2	78.1	5.04	75.3	4.79	72.8	4.51	71.3	4.33	68.1	4.14	64.9	3.74
		20.3	77.9	5.05	75.0	4.81	72.8	4.53	71.3	4.35	68.1	4.13	64.9	3.76
		25.4	78.4	5.04	75.2	4.80	72.8	4.52	71.3	4.34	68.1	4.14	64.9	3.77
		30.5	78.7	5.03	75.3	4.79	72.8	4.51	71.3	4.33	68.1	4.15	64.9	3.78
	59	8.1	78.5	4.36	75.7	4.20	72.8	4.05	71.3	3.91	68.1	3.73	64.9	3.38
		10.2	78.4	4.34	75.6	4.19	72.8	4.03	71.3	3.89	68.1	3.69	64.9	3.37
		20.3	77.8	4.27	75.0	4.12	72.8	3.96	71.3	3.83	68.1	3.56	64.9	3.30
		25.4	78.4	4.21	75.3	4.06	72.8	3.89	71.3	3.76	68.1	3.56	64.9	3.30
		30.5	78.6	4.18	75.4	4.02	72.8	3.86	71.3	3.73	68.1	3.56	64.9	3.30
	68	8.1	79.0	3.68	76.0	3.57	72.8	3.45	71.3	3.31	68.1	3.20	64.9	3.00
		10.2	78.9	3.68	75.9	3.56	72.8	3.43	71.3	3.30	68.1	3.17	64.9	2.97
		20.3	78.6	3.68	75.3	3.52	72.8	3.37	71.3	3.24	68.1	3.04	64.9	2.84
		25.4	78.8	3.62	75.5	3.50	72.8	3.37	71.3	3.24	68.1	3.04	64.9	2.84
		30.5	78.9	3.59	75.6	3.48	72.8	3.37	71.3	3.24	68.1	3.04	64.9	2.84
	77	8.1	80.3	3.22	77.0	3.05	72.8	2.92	71.3	2.77	68.1	2.66	64.9	2.46
		10.2	80.5	3.21	77.0	3.04	72.8	2.90	71.3	2.77	68.1	2.64	64.9	2.44
		20.3	81.2	3.18	77.0	3.01	72.8	2.84	71.3	2.77	68.1	2.57	64.9	2.38
		25.4	81.5	3.10	77.0	2.94	72.8	2.84	71.3	2.70	68.1	2.57	64.9	2.38
		30.5	81.7	3.06	77.0	2.91	72.8	2.84	71.3	2.67	68.1	2.57	64.9	2.38
	86	8.1	81.5	2.92	77.0	2.72	72.8	2.52	71.3	2.46	68.1	2.32	64.9	2.11
		10.2	81.5	2.90	77.0	2.70	72.8	2.51	71.3	2.44	68.1	2.31	64.9	2.11
		20.3	81.5	2.84	77.0	2.64	72.8	2.44	71.3	2.38	68.1	2.25	64.9	2.11
		25.4	81.5	2.77	77.0	2.57	72.8	2.44	71.3	2.38	68.1	2.25	64.9	2.05
		30.5	81.5	2.74	77.0	2.54	72.8	2.44	71.3	2.38	68.1	2.25	64.9	2.02
	95	8.1	81.5	2.66	77.0	2.46	72.8	2.26	71.3	2.20	68.1	2.07	64.9	1.93
		10.2	81.5	2.64	77.0	2.44	72.8	2.25	71.3	2.18	68.1	2.05	64.9	1.91
		20.3	81.5	2.57	77.0	2.38	72.8	2.18	71.3	2.11	68.1	1.98	64.9	1.85
		25.4	81.5	2.51	77.0	2.31	72.8	2.11	71.3	2.05	68.1	1.98	64.9	1.85
		30.5	81.5	2.47	77.0	2.27	72.8	2.08	71.3	2.02	68.1	1.98	64.9	1.85
	104	8.1	81.5	2.48	77.0	2.26	72.8	2.00	71.3	1.93	68.1	1.87	64.9	1.73
		10.2	81.5	2.44	77.0	2.25	72.8	1.98	71.3	1.91	68.1	1.85	64.9	1.71
		20.3	81.5	2.31	77.0	2.18	72.8	1.91	71.3	1.85	68.1	1.78	64.9	1.65
		25.4	81.5	2.31	77.0	2.18	72.8	1.91	71.3	1.85	68.1	1.78	64.9	1.65
		30.5	81.5	2.31	77.0	2.18	72.8	1.91	71.3	1.85	68.1	1.78	64.9	1.65
	113	8.1	81.5	2.30	77.0	2.07	72.8	1.73	71.3	1.67	68.1	1.67	64.9	1.53
		10.2	81.5	2.25	77.0	2.05	72.8	1.71	71.3	1.65	68.1	1.65	64.9	1.52
		20.3	81.5	2.05	77.0	1.98	72.8	1.65	71.3	1.58	68.1	1.58	64.9	1.45
		25.4	81.5	2.11	77.0	2.05	72.8	1.71	71.3	1.65	68.1	1.58	64.9	1.45
		30.5	81.5	2.14	77.0	2.08	72.8	1.74	71.3	1.69	68.1	1.58	64.9	1.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	8.1	29.1	2.78	27.2	2.67	25.8	2.56	25.5	2.47	25.3	2.36	24.8	2.17
		10.2	30.1	2.84	28.2	2.73	26.7	2.61	26.4	2.53	26.2	2.41	25.7	2.22
		20.3	34.0	3.09	31.9	2.96	30.1	2.83	29.8	2.74	29.7	2.61	29.1	2.40
		25.4	37.6	3.33	35.2	3.20	33.3	3.06	32.9	2.96	32.8	2.82	32.1	2.59
		30.5	39.4	3.45	36.9	3.31	34.9	3.17	34.5	3.07	34.3	2.92	33.6	2.69
	32	8.1	51.9	4.08	47.9	3.91	44.6	3.75	43.7	3.62	43.1	3.45	41.5	3.18
		10.2	52.2	4.09	48.1	3.93	44.8	3.76	44.0	3.63	43.4	3.46	41.7	3.19
		20.3	53.5	4.14	49.3	3.97	45.9	3.80	45.1	3.67	44.5	3.50	42.7	3.22
		25.4	54.3	4.14	50.0	3.97	46.6	3.80	45.7	3.67	45.1	3.50	43.4	3.22
		30.5	54.6	4.14	50.4	3.97	47.0	3.80	46.1	3.67	45.5	3.50	43.7	3.22
	41	8.1	71.8	4.43	67.8	4.27	64.8	4.07	63.4	3.94	60.7	3.76	57.6	3.46
		10.2	72.0	4.46	67.9	4.29	64.8	4.10	63.4	3.96	60.7	3.78	57.6	3.48
		20.3	72.6	4.55	68.4	4.37	64.9	4.19	63.4	4.04	60.7	3.85	57.6	3.55
		25.4	72.6	4.58	68.3	4.40	64.9	4.21	63.4	4.07	60.7	3.88	57.6	3.57
		30.5	72.6	4.60	68.3	4.42	64.9	4.23	63.4	4.08	60.7	3.89	57.6	3.58
	50	8.1	72.2	4.08	68.0	3.90	64.8	3.70	63.4	3.60	60.7	3.41	57.6	3.15
		10.2	72.3	4.08	68.1	3.89	64.8	3.70	63.4	3.60	60.7	3.41	57.6	3.15
		20.3	72.6	4.06	68.4	3.87	64.9	3.71	63.4	3.60	60.7	3.41	57.6	3.16
		25.4	72.6	4.04	68.3	3.88	64.9	3.72	63.4	3.58	60.7	3.39	57.6	3.14
		30.5	72.6	4.04	68.3	3.89	64.9	3.73	63.4	3.57	60.7	3.38	57.6	3.13
	59	8.1	72.6	3.73	68.3	3.53	64.9	3.31	63.4	3.25	60.7	3.06	57.6	2.86
		10.2	72.6	3.69	68.3	3.50	64.9	3.30	63.4	3.24	60.7	3.04	57.6	2.84
		20.3	72.6	3.56	68.3	3.37	64.9	3.24	63.4	3.17	60.7	2.97	57.6	2.77
		25.4	72.6	3.50	68.3	3.37	64.9	3.24	63.4	3.10	60.7	2.90	57.6	2.70
		30.5	72.6	3.46	68.3	3.37	64.9	3.24	63.4	3.07	60.7	2.87	57.6	2.67
	68	8.1	72.6	3.12	68.3	2.99	64.9	2.84	63.4	2.79	60.7	2.66	57.6	2.46
		10.2	72.6	3.10	68.3	2.97	64.9	2.84	63.4	2.77	60.7	2.64	57.6	2.44
		20.3	72.6	3.04	68.3	2.90	64.9	2.84	63.4	2.70	60.7	2.57	57.6	2.38
		25.4	72.6	2.97	68.3	2.84	64.9	2.77	63.4	2.70	60.7	2.51	57.6	2.38
		30.5	72.6	2.94	68.3	2.81	64.9	2.74	63.4	2.70	60.7	2.47	57.6	2.38
	77	8.1	72.6	2.79	68.3	2.59	64.9	2.44	63.4	2.39	60.7	2.26	57.6	2.13
		10.2	72.6	2.77	68.3	2.57	64.9	2.44	63.4	2.38	60.7	2.25	57.6	2.11
		20.3	72.6	2.70	68.3	2.51	64.9	2.44	63.4	2.31	60.7	2.18	57.6	2.05
		25.4	72.6	2.64	68.3	2.51	64.9	2.38	63.4	2.31	60.7	2.18	57.6	2.05
		30.5	72.6	2.61	68.3	2.51	64.9	2.34	63.4	2.31	60.7	2.18	57.6	2.05
	86	8.1	72.6	2.46	68.3	2.32	64.9	2.20	63.4	2.13	60.7	2.00	57.6	1.87
		10.2	72.6	2.44	68.3	2.31	64.9	2.18	63.4	2.11	60.7	1.98	57.6	1.85
		20.3	72.6	2.38	68.3	2.25	64.9	2.11	63.4	2.05	60.7	1.91	57.6	1.78
		25.4	72.6	2.38	68.3	2.25	64.9	2.11	63.4	2.05	60.7	1.91	57.6	1.78
		30.5	72.6	2.38	68.3	2.25	64.9	2.11	63.4	2.05	60.7	1.91	57.6	1.78
	95	8.1	72.6	2.26	68.3	2.13	64.9	1.93	63.4	1.85	60.7	1.80	57.6	1.65
		10.2	72.6	2.25	68.3	2.11	64.9	1.91	63.4	1.85	60.7	1.78	57.6	1.65
		20.3	72.6	2.18	68.3	2.05	64.9	1.85	63.4	1.85	60.7	1.71	57.6	1.65
		25.4	72.6	2.18	68.3	1.98	64.9	1.85	63.4	1.78	60.7	1.71	57.6	1.58
		30.5	72.6	2.18	68.3	1.95	64.9	1.85	63.4	1.75	60.7	1.71	57.6	1.55
	104	8.1	72.6	2.14	68.3	1.93	64.9	1.71	63.4	1.73	60.7	1.58	57.6	1.53
		10.2	72.6	2.11	68.3	1.91	64.9	1.71	63.4	1.71	60.7	1.58	57.6	1.52
		20.3	72.6	1.98	68.3	1.85	64.9	1.71	63.4	1.65	60.7	1.58	57.6	1.45
		25.4	72.6	1.98	68.3	1.85	64.9	1.65	63.4	1.65	60.7	1.58	57.6	1.45
		30.5	72.6	1.98	68.3	1.85	64.9	1.62	63.4	1.65	60.7	1.58	57.6	1.45
	113	8.1	72.6	2.03	68.3	1.73	64.9	1.50	63.4	1.62	60.7	1.37	57.6	1.42
		10.2	72.6	1.98	68.3	1.71	64.9	1.52	63.4	1.58	60.7	1.39	57.6	1.39
		20.3	72.6	1.78	68.3	1.65	64.9	1.58	63.4	1.45	60.7	1.45	57.6	1.26
		25.4	72.6	1.78	68.3	1.71	64.9	1.45	63.4	1.52	60.7	1.45	57.6	1.32
		30.5	72.6	1.78	68.3	1.74	64.9	1.39	63.4	1.55	60.7	1.45	57.6	1.35

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	8.1	25.3	2.39	23.8	2.27	22.5	2.20	22.3	2.07	22.1	2.00	21.8	1.82
		10.2	26.2	2.44	24.6	2.32	23.3	2.25	23.1	2.12	22.9	2.04	22.5	1.86
		20.3	29.7	2.64	27.9	2.52	26.3	2.44	26.1	2.29	25.9	2.21	25.5	2.01
		25.4	32.9	2.85	30.8	2.72	29.1	2.63	28.9	2.47	28.6	2.39	28.1	2.17
		30.5	34.4	2.96	32.3	2.82	30.5	2.72	30.3	2.56	30.0	2.48	29.4	2.25
	32	8.1	45.4	3.49	41.9	3.33	39.0	3.22	38.3	3.03	37.7	2.93	36.3	2.66
		10.2	45.7	3.50	42.2	3.34	39.2	3.23	38.5	3.04	37.9	2.94	36.5	2.67
		20.3	46.7	3.54	43.2	3.37	40.1	3.27	39.4	3.07	38.8	2.97	37.4	2.70
		25.4	47.4	3.54	43.9	3.37	40.7	3.27	40.0	3.07	39.4	2.97	38.0	2.70
		30.5	47.7	3.54	44.2	3.37	41.0	3.27	40.3	3.07	39.7	2.97	38.3	2.70
	41	8.1	62.7	3.80	59.4	3.62	56.6	3.50	55.4	3.30	52.9	3.18	50.4	2.89
		10.2	62.8	3.82	59.5	3.64	56.6	3.52	55.4	3.32	52.9	3.20	50.4	2.91
		20.3	63.4	3.90	60.0	3.71	56.7	3.60	55.4	3.38	52.9	3.27	50.4	2.97
		25.4	63.4	3.93	59.9	3.74	56.7	3.63	55.4	3.41	52.9	3.29	50.4	2.99
		30.5	63.4	3.94	59.9	3.76	56.7	3.64	55.4	3.42	52.9	3.30	50.4	3.00
	50	8.1	63.0	3.50	59.6	3.31	56.7	3.19	55.4	3.01	52.9	2.89	50.4	2.64
		10.2	63.1	3.50	59.7	3.30	56.7	3.18	55.4	3.01	52.9	2.89	50.4	2.64
		20.3	63.4	3.47	59.9	3.28	56.7	3.15	55.4	3.01	52.9	2.89	50.4	2.64
		25.4	63.4	3.48	59.9	3.29	56.7	3.17	55.4	3.02	52.9	2.87	50.4	2.65
		30.5	63.4	3.49	59.9	3.30	56.7	3.17	55.4	3.03	52.9	2.86	50.4	2.65
	59	8.1	63.4	3.20	59.9	3.00	56.7	2.87	55.4	2.72	52.9	2.59	50.4	2.39
		10.2	63.4	3.17	59.9	2.97	56.7	2.84	55.4	2.70	52.9	2.57	50.4	2.38
		20.3	63.4	3.04	59.9	2.84	56.7	2.70	55.4	2.64	52.9	2.51	50.4	2.31
		25.4	63.4	3.04	59.9	2.84	56.7	2.70	55.4	2.64	52.9	2.44	50.4	2.31
		30.5	63.4	3.04	59.9	2.84	56.7	2.70	55.4	2.64	52.9	2.41	50.4	2.31
	68	8.1	63.4	2.66	59.9	2.52	56.7	2.46	55.4	2.39	52.9	2.26	50.4	2.13
		10.2	63.4	2.64	59.9	2.51	56.7	2.44	55.4	2.38	52.9	2.25	50.4	2.11
		20.3	63.4	2.57	59.9	2.44	56.7	2.38	55.4	2.31	52.9	2.18	50.4	2.05
		25.4	63.4	2.57	59.9	2.44	56.7	2.38	55.4	2.25	52.9	2.18	50.4	1.98
		30.5	63.4	2.57	59.9	2.44	56.7	2.38	55.4	2.22	52.9	2.18	50.4	1.95
	77	8.1	63.4	2.39	59.9	2.26	56.7	2.13	55.4	2.07	52.9	1.91	50.4	1.78
		10.2	63.4	2.38	59.9	2.25	56.7	2.11	55.4	2.05	52.9	1.91	50.4	1.78
		20.3	63.4	2.31	59.9	2.18	56.7	2.05	55.4	1.98	52.9	1.91	50.4	1.78
		25.4	63.4	2.25	59.9	2.11	56.7	2.05	55.4	1.98	52.9	1.85	50.4	1.78
		30.5	63.4	2.22	59.9	2.08	56.7	2.05	55.4	1.98	52.9	1.82	50.4	1.78
	86	8.1	63.4	2.13	59.9	2.00	56.7	1.87	55.4	1.78	52.9	1.73	50.4	1.58
		10.2	63.4	2.11	59.9	1.98	56.7	1.85	55.4	1.78	52.9	1.71	50.4	1.58
		20.3	63.4	2.05	59.9	1.91	56.7	1.78	55.4	1.78	52.9	1.65	50.4	1.58
		25.4	63.4	2.05	59.9	1.91	56.7	1.78	55.4	1.71	52.9	1.65	50.4	1.58
		30.5	63.4	2.05	59.9	1.91	56.7	1.78	55.4	1.68	52.9	1.65	50.4	1.58
	95	8.1	63.4	1.93	59.9	1.80	56.7	1.65	55.4	1.67	52.9	1.52	50.4	1.47
		10.2	63.4	1.91	59.9	1.78	56.7	1.65	55.4	1.65	52.9	1.52	50.4	1.45
		20.3	63.4	1.85	59.9	1.71	56.7	1.65	55.4	1.58	52.9	1.52	50.4	1.39
		25.4	63.4	1.85	59.9	1.71	56.7	1.58	55.4	1.58	52.9	1.52	50.4	1.39
		30.5	63.4	1.85	59.9	1.71	56.7	1.55	55.4	1.58	52.9	1.52	50.4	1.39
	104	8.1	63.4	1.80	59.9	1.67	56.7	1.53	55.4	1.45	52.9	1.39	50.4	1.33
		10.2	63.4	1.78	59.9	1.65	56.7	1.52	55.4	1.45	52.9	1.39	50.4	1.32
		20.3	63.4	1.71	59.9	1.58	56.7	1.45	55.4	1.45	52.9	1.39	50.4	1.26
		25.4	63.4	1.71	59.9	1.58	56.7	1.45	55.4	1.39	52.9	1.32	50.4	1.26
		30.5	63.4	1.71	59.9	1.58	56.7	1.45	55.4	1.35	52.9	1.28	50.4	1.26
	113	8.1	63.4	1.67	59.9	1.53	56.7	1.42	55.4	1.24	52.9	1.26	50.4	1.21
		10.2	63.4	1.65	59.9	1.52	56.7	1.39	55.4	1.26	52.9	1.26	50.4	1.19
		20.3	63.4	1.58	59.9	1.45	56.7	1.26	55.4	1.32	52.9	1.26	50.4	1.12
		25.4	63.4	1.58	59.9	1.45	56.7	1.32	55.4	1.19	52.9	1.12	50.4	1.12
		30.5	63.4	1.58	59.9	1.45	56.7	1.35	55.4	1.12	52.9	1.05	50.4	1.12

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	8.1	21.8	1.94	20.4	1.86	19.3	1.79	19.1	1.66	19.0	1.64	18.6	1.46
		10.2	22.5	1.98	21.1	1.90	20.0	1.83	19.7	1.70	19.7	1.67	19.3	1.50
		20.3	25.5	2.15	23.9	2.07	22.6	1.99	22.4	1.84	22.3	1.82	21.9	1.62
		25.4	28.2	2.31	26.4	2.23	25.0	2.14	24.7	1.99	24.6	1.96	24.1	1.75
		30.5	29.5	2.40	27.6	2.32	26.2	2.22	25.9	2.07	25.8	2.03	25.3	1.81
	32	8.1	39.0	2.84	35.9	2.74	33.5	2.62	32.8	2.44	32.4	2.40	31.2	2.15
		10.2	39.2	2.85	36.1	2.74	33.7	2.63	33.0	2.44	32.6	2.41	31.3	2.15
		20.3	40.1	2.88	36.9	2.77	34.5	2.66	33.8	2.47	33.3	2.44	32.0	2.17
		25.4	40.7	2.88	37.5	2.77	35.0	2.66	34.3	2.47	33.8	2.44	32.6	2.17
		30.5	41.0	2.88	37.8	2.77	35.3	2.66	34.5	2.47	34.1	2.44	32.8	2.17
	41	8.1	53.8	3.09	50.8	2.97	48.7	2.85	47.5	2.66	45.4	2.61	43.3	2.33
		10.2	53.9	3.11	50.9	2.99	48.7	2.87	47.5	2.67	45.4	2.63	43.3	2.34
		20.3	54.4	3.17	51.2	3.05	48.7	2.93	47.5	2.72	45.4	2.68	43.3	2.39
		25.4	54.4	3.20	51.2	3.07	48.7	2.95	47.5	2.74	45.4	2.70	43.3	2.41
		30.5	54.4	3.21	51.1	3.08	48.7	2.96	47.5	2.76	45.4	2.70	43.3	2.42
	50	8.1	54.1	2.84	51.0	2.72	48.7	2.59	47.5	2.42	45.4	2.37	43.3	2.13
		10.2	54.2	2.84	51.0	2.72	48.7	2.59	47.5	2.42	45.4	2.37	43.3	2.13
		20.3	54.4	2.84	51.2	2.72	48.7	2.59	47.5	2.45	45.4	2.36	43.3	2.15
		25.4	54.4	2.85	51.2	2.69	48.7	2.56	47.5	2.42	45.4	2.34	43.3	2.13
		30.5	54.4	2.85	51.1	2.68	48.7	2.55	47.5	2.41	45.4	2.33	43.3	2.12
	59	8.1	54.4	2.59	51.2	2.46	48.7	2.32	47.5	2.18	45.4	2.13	43.3	1.91
		10.2	54.4	2.57	51.2	2.44	48.7	2.31	47.5	2.18	45.4	2.11	43.3	1.91
		20.3	54.4	2.51	51.2	2.38	48.7	2.25	47.5	2.18	45.4	2.05	43.3	1.91
		25.4	54.4	2.51	51.2	2.31	48.7	2.18	47.5	2.11	45.4	1.98	43.3	1.85
		30.5	54.4	2.51	51.2	2.27	48.7	2.14	47.5	2.08	45.4	1.95	43.3	1.82
	68	8.1	54.4	2.26	51.2	2.13	48.7	2.00	47.5	1.93	45.4	1.87	43.3	1.73
		10.2	54.4	2.25	51.2	2.11	48.7	1.98	47.5	1.91	45.4	1.85	43.3	1.71
		20.3	54.4	2.18	51.2	2.05	48.7	1.91	47.5	1.85	45.4	1.78	43.3	1.65
		25.4	54.4	2.18	51.2	2.05	48.7	1.91	47.5	1.85	45.4	1.78	43.3	1.65
		30.5	54.4	2.18	51.2	2.05	48.7	1.91	47.5	1.85	45.4	1.78	43.3	1.65
	77	8.1	54.4	2.00	51.2	1.87	48.7	1.71	47.5	1.73	45.4	1.58	43.3	1.53
		10.2	54.4	1.98	51.2	1.85	48.7	1.71	47.5	1.71	45.4	1.58	43.3	1.52
		20.3	54.4	1.91	51.2	1.78	48.7	1.71	47.5	1.65	45.4	1.58	43.3	1.45
		25.4	54.4	1.91	51.2	1.78	48.7	1.65	47.5	1.65	45.4	1.58	43.3	1.45
		30.5	54.4	1.91	51.2	1.78	48.7	1.62	47.5	1.65	45.4	1.58	43.3	1.45
	86	8.1	54.4	1.80	51.2	1.67	48.7	1.60	47.5	1.53	45.4	1.47	43.3	1.40
		10.2	54.4	1.78	51.2	1.65	48.7	1.58	47.5	1.52	45.4	1.45	43.3	1.39
		20.3	54.4	1.71	51.2	1.58	48.7	1.52	47.5	1.45	45.4	1.39	43.3	1.32
		25.4	54.4	1.71	51.2	1.58	48.7	1.52	47.5	1.45	45.4	1.39	43.3	1.32
		30.5	54.4	1.71	51.2	1.58	48.7	1.52	47.5	1.45	45.4	1.39	43.3	1.32
	95	8.1	54.4	1.58	51.2	1.53	48.7	1.39	47.5	1.40	45.4	1.33	43.3	1.27
		10.2	54.4	1.58	51.2	1.52	48.7	1.39	47.5	1.39	45.4	1.32	43.3	1.26
		20.3	54.4	1.58	51.2	1.45	48.7	1.39	47.5	1.32	45.4	1.26	43.3	1.19
		25.4	54.4	1.58	51.2	1.45	48.7	1.32	47.5	1.32	45.4	1.26	43.3	1.19
		30.5	54.4	1.58	51.2	1.45	48.7	1.28	47.5	1.32	45.4	1.26	43.3	1.19
	104	8.1	54.4	1.45	51.2	1.40	48.7	1.26	47.5	1.27	45.4	1.21	43.3	1.12
		10.2	54.4	1.45	51.2	1.39	48.7	1.26	47.5	1.26	45.4	1.19	43.3	1.12
		20.3	54.4	1.45	51.2	1.32	48.7	1.26	47.5	1.19	45.4	1.12	43.3	1.12
		25.4	54.4	1.45	51.2	1.32	48.7	1.26	47.5	1.19	45.4	1.12	43.3	1.12
		30.5	54.4	1.45	51.2	1.32	48.7	1.26	47.5	1.19	45.4	1.12	43.3	1.12
	113	8.1	54.4	1.32	51.2	1.27	48.7	1.12	47.5	1.14	45.4	1.08	43.3	0.97
		10.2	54.4	1.32	51.2	1.26	48.7	1.12	47.5	1.12	45.4	1.06	43.3	0.99
		20.3	54.4	1.32	51.2	1.19	48.7	1.12	47.5	1.06	45.4	0.99	43.3	1.06
		25.4	54.4	1.32	51.2	1.19	48.7	1.19	47.5	1.06	45.4	0.99	43.3	1.06
		30.5	54.4	1.32	51.2	1.19	48.7	1.22	47.5	1.06	45.4	0.99	43.3	1.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN072DAS4, ARWB072DAS4

72,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	8.1	18.2	1.54	17.1	1.46	16.1	1.38	15.9	1.31	15.8	1.23	15.5	1.16
		10.2	18.8	1.58	17.6	1.50	16.7	1.41	16.4	1.34	16.4	1.26	16.0	1.19
		20.3	21.2	1.71	19.9	1.62	18.8	1.53	18.6	1.45	18.5	1.37	18.2	1.28
		25.4	23.4	1.84	22.0	1.75	20.8	1.65	20.6	1.57	20.4	1.47	20.1	1.39
		30.5	24.6	1.91	23.1	1.81	21.8	1.71	21.6	1.63	21.4	1.52	21.1	1.44
	32	8.1	32.4	2.26	30.0	2.15	27.9	2.02	27.3	1.92	26.9	1.80	25.9	1.70
		10.2	32.6	2.27	30.1	2.15	28.0	2.03	27.4	1.93	27.1	1.81	26.1	1.71
		20.3	33.3	2.29	30.8	2.17	28.7	2.06	28.1	1.95	27.7	1.83	26.7	1.73
		25.4	33.8	2.29	31.3	2.17	29.1	2.06	28.6	1.95	28.1	1.83	27.1	1.73
		30.5	34.1	2.29	31.5	2.17	29.3	2.06	28.8	1.95	28.3	1.83	27.4	1.73
	41	8.1	44.7	2.46	42.4	2.33	40.4	2.20	39.5	2.09	37.7	1.96	36.0	1.85
		10.2	44.8	2.47	42.5	2.34	40.5	2.21	39.5	2.10	37.7	1.97	36.0	1.86
		20.3	45.2	2.52	42.8	2.39	40.5	2.26	39.5	2.14	37.7	2.01	36.0	1.90
		25.4	45.2	2.54	42.7	2.41	40.5	2.27	39.5	2.16	37.7	2.03	36.0	1.91
		30.5	45.2	2.55	42.7	2.42	40.5	2.28	39.5	2.16	37.7	2.04	36.0	1.92
	50	8.1	45.0	2.26	42.5	2.13	40.4	2.00	39.5	1.92	37.7	1.77	36.0	1.69
		10.2	45.1	2.26	42.6	2.13	40.5	2.00	39.5	1.91	37.7	1.78	36.0	1.69
		20.3	45.2	2.25	42.8	2.12	40.5	1.99	39.5	1.90	37.7	1.80	36.0	1.67
		25.4	45.2	2.26	42.7	2.13	40.5	1.99	39.5	1.90	37.7	1.77	36.0	1.68
		30.5	45.2	2.27	42.7	2.13	40.5	2.00	39.5	1.91	37.7	1.75	36.0	1.68
	59	8.1	45.2	2.07	42.7	1.93	40.5	1.80	39.5	1.73	37.7	1.58	36.0	1.53
		10.2	45.2	2.05	42.7	1.91	40.5	1.78	39.5	1.71	37.7	1.58	36.0	1.52
		20.3	45.2	1.98	42.7	1.85	40.5	1.71	39.5	1.65	37.7	1.58	36.0	1.45
		25.4	45.2	1.98	42.7	1.85	40.5	1.71	39.5	1.65	37.7	1.52	36.0	1.45
		30.5	45.2	1.98	42.7	1.85	40.5	1.71	39.5	1.65	37.7	1.48	36.0	1.45
	68	8.1	45.2	1.80	42.7	1.67	40.5	1.60	39.5	1.53	37.7	1.47	36.0	1.32
		10.2	45.2	1.78	42.7	1.65	40.5	1.58	39.5	1.52	37.7	1.45	36.0	1.32
		20.3	45.2	1.71	42.7	1.58	40.5	1.52	39.5	1.45	37.7	1.39	36.0	1.32
		25.4	45.2	1.71	42.7	1.58	40.5	1.52	39.5	1.45	37.7	1.39	36.0	1.32
		30.5	45.2	1.71	42.7	1.58	40.5	1.52	39.5	1.45	37.7	1.39	36.0	1.32
	77	8.1	45.2	1.60	42.7	1.45	40.5	1.40	39.5	1.32	37.7	1.26	36.0	1.19
		10.2	45.2	1.58	42.7	1.45	40.5	1.39	39.5	1.32	37.7	1.26	36.0	1.19
		20.3	45.2	1.52	42.7	1.45	40.5	1.32	39.5	1.32	37.7	1.26	36.0	1.19
		25.4	45.2	1.52	42.7	1.45	40.5	1.32	39.5	1.32	37.7	1.26	36.0	1.19
		30.5	45.2	1.52	42.7	1.45	40.5	1.32	39.5	1.32	37.7	1.26	36.0	1.19
	86	8.1	45.2	1.47	42.7	1.33	40.5	1.27	39.5	1.19	37.7	1.21	36.0	1.14
		10.2	45.2	1.45	42.7	1.32	40.5	1.26	39.5	1.19	37.7	1.19	36.0	1.12
		20.3	45.2	1.39	42.7	1.26	40.5	1.19	39.5	1.19	37.7	1.12	36.0	1.06
		25.4	45.2	1.39	42.7	1.26	40.5	1.19	39.5	1.19	37.7	1.12	36.0	1.06
		30.5	45.2	1.39	42.7	1.26	40.5	1.19	39.5	1.19	37.7	1.12	36.0	1.06
	95	8.1	45.2	1.33	42.7	1.19	40.5	1.12	39.5	1.14	37.7	1.06	36.0	0.99
		10.2	45.2	1.32	42.7	1.19	40.5	1.12	39.5	1.12	37.7	1.06	36.0	0.99
		20.3	45.2	1.26	42.7	1.19	40.5	1.12	39.5	1.06	37.7	1.06	36.0	0.99
		25.4	45.2	1.26	42.7	1.19	40.5	1.12	39.5	1.06	37.7	1.06	36.0	0.99
		30.5	45.2	1.26	42.7	1.19	40.5	1.12	39.5	1.06	37.7	1.06	36.0	0.99
	104	8.1	45.2	1.21	42.7	1.14	40.5	1.08	39.5	0.99	37.7	1.01	36.0	0.92
		10.2	45.2	1.19	42.7	1.12	40.5	1.06	39.5	0.99	37.7	0.99	36.0	0.92
		20.3	45.2	1.12	42.7	1.06	40.5	0.99	39.5	0.99	37.7	0.92	36.0	0.92
		25.4	45.2	1.12	42.7	1.06	40.5	0.99	39.5	0.99	37.7	0.92	36.0	0.92
		30.5	45.2	1.12	42.7	1.06	40.5	0.99	39.5	0.99	37.7	0.92	36.0	0.92
	113	8.1	45.2	1.08	42.7	1.09	40.5	1.02	39.5	0.84	37.7	0.95	36.0	0.86
		10.2	45.2	1.06	42.7	1.06	40.5	0.99	39.5	0.86	37.7	0.92	36.0	0.86
		20.3	45.2	0.99	42.7	0.92	40.5	0.86	39.5	0.92	37.7	0.79	36.0	0.86
		25.4	45.2	0.99	42.7	0.92	40.5	0.86	39.5	0.92	37.7	0.79	36.0	0.86
		30.5	45.2	0.99	42.7	0.92	40.5	0.86	39.5	0.92	37.7	0.79	36.0	0.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	10.2	51.1	5.64	50.7	5.31	50.4	4.95	49.7	4.80	50.3	4.68	48.9	4.19
		12.7	52.8	5.74	52.4	5.42	52.1	5.06	51.4	4.91	52.0	4.78	50.6	4.28
		25.4	59.8	6.13	59.3	5.83	59.0	5.48	58.2	5.32	58.9	5.18	57.4	4.65
		31.8	66.1	6.52	65.5	6.23	65.1	5.91	64.3	5.75	65.1	5.59	63.4	5.01
		38.1	69.3	6.72	68.6	6.43	68.2	6.13	67.4	5.97	68.2	5.79	66.4	5.19
	32	10.2	91.3	7.72	89.2	7.49	87.3	7.25	85.4	7.04	85.7	6.85	81.8	6.13
		12.7	91.8	7.74	89.7	7.51	87.8	7.27	85.9	7.06	86.2	6.87	82.3	6.15
		25.4	94.0	7.82	91.7	7.58	89.8	7.35	87.9	7.15	88.2	6.94	84.3	6.23
		31.8	95.4	7.82	93.1	7.58	91.2	7.35	89.2	7.15	89.5	6.94	85.5	6.23
		38.1	96.2	7.82	93.8	7.58	91.9	7.35	89.9	7.15	90.2	6.94	86.1	6.23
	41	10.2	131.5	8.30	129.5	8.09	126.8	7.89	123.6	7.66	120.3	7.45	113.6	6.67
		12.7	131.9	8.34	129.7	8.13	126.8	7.93	123.6	7.70	120.3	7.49	113.6	6.71
		25.4	133.7	8.48	130.6	8.28	126.9	8.09	123.6	7.86	120.3	7.64	113.6	6.85
		31.8	134.5	8.54	131.0	8.34	126.9	8.14	123.6	7.92	120.3	7.69	113.6	6.90
		38.1	134.9	8.57	131.2	8.36	126.9	8.17	123.6	7.95	120.3	7.72	113.6	6.92
	50	10.2	131.6	7.55	129.5	7.30	126.4	7.16	123.1	7.00	119.8	6.76	113.2	6.10
		12.7	132.4	7.54	130.1	7.30	126.9	7.17	123.6	7.00	120.3	6.76	113.6	6.10
		25.4	135.5	7.48	132.5	7.33	128.9	7.23	125.6	6.99	122.1	6.74	115.4	6.08
		31.8	136.2	7.58	133.4	7.43	129.7	7.26	126.2	7.02	122.9	6.85	116.1	6.37
		38.1	136.6	7.63	133.9	7.49	130.1	7.27	126.5	7.03	123.3	6.91	116.5	6.51
	59	10.2	131.8	6.81	129.5	6.51	125.9	6.44	122.6	6.34	119.3	6.07	112.7	5.53
		12.7	132.9	6.74	130.5	6.49	126.9	6.43	123.6	6.29	120.3	6.02	113.6	5.48
		25.4	137.2	6.47	134.4	6.38	130.9	6.38	127.6	6.11	123.9	5.84	117.2	5.30
		31.8	137.9	6.63	135.7	6.52	132.5	6.38	128.9	6.11	125.6	6.00	118.6	5.84
		38.1	138.3	6.71	136.4	6.60	133.3	6.38	129.6	6.11	126.4	6.09	119.4	6.11
	68	10.2	136.8	6.24	134.3	5.95	130.8	5.82	127.2	5.64	123.5	5.51	116.2	5.34
		12.7	137.9	6.20	135.4	5.95	131.8	5.82	128.2	5.66	124.6	5.55	117.2	5.30
		25.4	142.3	6.02	139.7	5.93	135.8	5.80	132.2	5.75	128.9	5.70	121.6	5.12
		31.8	142.9	6.02	140.8	5.93	137.4	5.84	133.5	5.75	129.9	5.70	122.6	5.45
		38.1	143.2	6.02	141.3	5.93	138.2	5.85	134.2	5.75	130.4	5.70	123.1	5.61
	77	10.2	144.5	5.95	140.8	5.78	137.4	5.68	134.8	5.59	131.8	5.51	124.3	5.14
		12.7	144.5	5.93	140.8	5.77	137.4	5.66	134.8	5.57	131.8	5.48	124.3	5.12
		25.4	144.5	5.84	140.8	5.73	137.4	5.57	134.8	5.48	131.8	5.39	124.3	5.03
		31.8	144.5	5.75	140.8	5.59	137.4	5.48	134.8	5.39	131.8	5.30	124.3	4.94
		38.1	144.5	5.71	140.8	5.51	137.4	5.44	134.8	5.34	131.8	5.25	124.3	4.90
	86	10.2	144.5	5.80	140.8	5.51	137.4	5.46	134.8	5.32	131.8	5.26	124.3	4.90
		12.7	144.5	5.75	140.8	5.50	137.4	5.43	134.8	5.30	131.8	5.21	124.3	4.85
		25.4	144.5	5.57	140.8	5.46	137.4	5.30	134.8	5.21	131.8	5.03	124.3	4.67
		31.8	144.5	5.48	140.8	5.32	137.4	5.21	134.8	5.12	131.8	5.03	124.3	4.67
		38.1	144.5	5.44	140.8	5.24	137.4	5.17	134.8	5.07	131.8	5.03	124.3	4.67
	95	10.2	144.5	5.53	140.8	5.35	137.4	5.24	134.8	5.05	131.8	4.87	124.3	4.53
		12.7	144.5	5.48	140.8	5.32	137.4	5.21	134.8	5.03	131.8	4.85	124.3	4.49
		25.4	144.5	5.30	140.8	5.19	137.4	5.12	134.8	4.94	131.8	4.76	124.3	4.31
		31.8	144.5	5.30	140.8	5.14	137.4	5.03	134.8	4.85	131.8	4.67	124.3	4.31
		38.1	144.5	5.30	140.8	5.11	137.4	4.98	134.8	4.80	131.8	4.63	124.3	4.31
	104	10.2	144.5	5.34	140.8	5.17	137.4	5.07	134.8	4.90	131.8	4.72	124.3	4.26
		12.7	144.5	5.30	140.8	5.14	137.4	5.03	134.8	4.85	131.8	4.67	124.3	4.22
		25.4	144.5	5.12	140.8	5.01	137.4	4.85	134.8	4.67	131.8	4.49	124.3	4.04
		31.8	144.5	5.03	140.8	4.93	137.4	4.85	134.8	4.67	131.8	4.49	124.3	4.04
		38.1	144.5	4.98	140.8	4.88	137.4	4.85	134.8	4.67	131.8	4.49	124.3	4.04
	113	10.2	144.5	5.17	140.8	5.00	137.4	4.92	134.8	4.74	131.8	4.56	124.3	3.99
		12.7	144.5	5.12	140.8	4.96	137.4	4.85	134.8	4.67	131.8	4.49	124.3	3.95
		25.4	144.5	4.94	140.8	4.83	137.4	4.58	134.8	4.40	131.8	4.22	124.3	3.77
		31.8	144.5	4.76	140.8	4.71	137.4	4.67	134.8	4.49	131.8	4.31	124.3	3.77
		38.1	144.5	4.66	140.8	4.65	137.4	4.72	134.8	4.53	131.8	4.36	124.3	3.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Cooling Capacity

ARWN096DAS4, ARWB096DAS4
96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	10.2	48.6	5.64	48.2	5.31	47.9	4.95	47.3	4.74	47.7	4.60	46.4	4.12
		12.7	50.2	5.74	49.8	5.42	49.5	5.06	48.9	4.84	49.3	4.70	48.0	4.21
		25.4	56.9	6.13	56.4	5.83	56.1	5.48	55.4	5.25	55.9	5.10	54.4	4.57
		31.8	62.8	6.52	62.3	6.23	61.9	5.91	61.2	5.67	61.7	5.50	60.0	4.93
		38.1	65.8	6.72	65.3	6.43	64.8	6.13	64.1	5.88	64.6	5.70	62.8	5.10
	32	10.2	86.8	7.72	84.7	7.49	82.9	7.25	81.2	6.94	81.2	6.75	77.5	6.03
		12.7	87.3	7.74	85.2	7.51	83.4	7.27	81.7	6.96	81.7	6.77	78.0	6.05
		25.4	89.3	7.82	87.2	7.58	85.4	7.35	83.6	7.04	83.6	6.84	79.9	6.12
		31.8	90.7	7.82	88.6	7.58	86.7	7.35	84.9	7.04	84.8	6.84	81.1	6.12
		38.1	91.4	7.82	89.3	7.58	87.4	7.35	85.6	7.04	85.4	6.84	81.7	6.12
	41	10.2	125.1	8.30	123.2	8.09	120.6	7.89	117.6	7.55	113.9	7.34	107.7	6.57
		12.7	125.6	8.34	123.5	8.13	120.6	7.93	117.6	7.59	113.9	7.38	107.7	6.61
		25.4	127.4	8.48	124.4	8.28	120.6	8.09	117.6	7.75	113.9	7.53	107.7	6.74
		31.8	128.1	8.54	123.7	8.34	120.6	8.14	117.6	7.81	113.9	7.58	107.7	6.78
		38.1	128.4	8.57	123.3	8.36	120.6	8.17	117.6	7.83	113.9	7.61	107.7	6.81
	50	10.2	125.6	7.46	123.3	7.25	120.2	7.10	117.3	6.89	113.6	6.66	107.4	5.99
		12.7	126.2	7.48	123.8	7.28	120.6	7.13	117.6	6.90	113.9	6.65	107.7	5.99
		25.4	128.5	7.58	125.8	7.39	121.9	7.23	119.0	6.93	115.1	6.64	108.8	6.02
		31.8	129.2	7.56	125.4	7.39	122.4	7.26	119.5	6.96	115.6	6.66	109.3	6.23
		38.1	129.6	7.54	125.2	7.39	122.6	7.27	119.7	6.97	115.9	6.68	109.6	6.33
	59	10.2	126.0	6.61	123.4	6.42	119.9	6.32	117.0	6.22	113.3	5.97	107.1	5.41
		12.7	126.7	6.63	124.2	6.43	120.6	6.33	117.6	6.20	113.9	5.93	107.7	5.39
		25.4	129.6	6.68	127.2	6.49	123.3	6.38	120.3	6.11	116.2	5.75	110.0	5.30
		31.8	130.3	6.58	127.1	6.43	124.3	6.38	121.3	6.11	117.2	5.75	111.0	5.66
		38.1	130.7	6.53	127.0	6.40	124.8	6.38	121.8	6.11	117.7	5.75	111.5	5.84
	68	10.2	129.5	5.95	127.0	5.69	123.2	5.54	119.8	5.46	115.9	5.39	109.7	5.12
		12.7	130.3	5.95	127.8	5.72	123.9	5.57	120.6	5.48	116.6	5.39	110.3	5.10
		25.4	133.6	5.95	130.8	5.80	126.6	5.66	123.6	5.57	119.6	5.37	112.9	5.03
		31.8	134.2	5.89	130.7	5.75	127.6	5.66	124.3	5.57	120.3	5.39	113.6	5.21
		38.1	134.5	5.86	130.7	5.73	128.1	5.66	124.6	5.57	120.6	5.40	114.0	5.31
	77	10.2	135.8	5.62	131.8	5.36	127.6	5.26	124.9	5.14	121.6	5.05	114.9	4.70
		12.7	135.8	5.60	131.8	5.35	127.6	5.25	124.9	5.12	121.6	5.03	114.9	4.67
		25.4	136.1	5.52	131.8	5.32	127.6	5.21	124.9	5.03	121.6	4.94	114.9	4.58
		31.8	136.5	5.32	131.8	5.18	127.6	5.12	124.9	5.03	121.6	4.85	114.9	4.58
		38.1	136.7	5.21	131.8	5.11	127.6	5.07	124.9	5.03	121.6	4.80	114.9	4.58
	86	10.2	136.5	5.38	131.8	5.11	127.6	4.97	124.9	4.78	121.6	4.72	114.9	4.34
		12.7	136.5	5.33	131.8	5.08	127.6	4.94	124.9	4.76	121.6	4.67	114.9	4.31
		25.4	136.5	5.16	131.8	4.96	127.6	4.85	124.9	4.67	121.6	4.49	114.9	4.22
		31.8	136.5	4.99	131.8	4.85	127.6	4.76	124.9	4.67	121.6	4.49	114.9	4.14
		38.1	136.5	4.91	131.8	4.79	127.6	4.71	124.9	4.67	121.6	4.49	114.9	4.09
	95	10.2	136.5	5.14	131.8	4.86	127.6	4.72	124.9	4.53	121.6	4.36	114.9	3.97
		12.7	136.5	5.06	131.8	4.81	127.6	4.67	124.9	4.49	121.6	4.31	114.9	3.95
		25.4	136.5	4.78	131.8	4.64	127.6	4.49	124.9	4.31	121.6	4.14	114.9	3.87
		31.8	136.5	4.72	131.8	4.60	127.6	4.49	124.9	4.31	121.6	4.14	114.9	3.77
		38.1	136.5	4.69	131.8	4.58	127.6	4.49	124.9	4.31	121.6	4.14	114.9	3.73
	104	10.2	136.5	4.98	131.8	4.64	127.6	4.45	124.9	4.26	121.6	4.09	114.9	3.70
		12.7	136.5	4.89	131.8	4.58	127.6	4.40	124.9	4.22	121.6	4.04	114.9	3.68
		25.4	136.5	4.51	131.8	4.37	127.6	4.22	124.9	4.04	121.6	3.87	114.9	3.60
		31.8	136.5	4.45	131.8	4.31	127.6	4.22	124.9	4.04	121.6	3.87	114.9	3.50
		38.1	136.5	4.42	131.8	4.28	127.6	4.22	124.9	4.04	121.6	3.87	114.9	3.46
	113	10.2	136.5	4.83	131.8	4.41	127.6	4.18	124.9	3.99	121.6	3.82	114.9	3.43
		12.7	136.5	4.71	131.8	4.35	127.6	4.14	124.9	3.95	121.6	3.77	114.9	3.41
		25.4	136.5	4.24	131.8	4.10	127.6	3.95	124.9	3.77	121.6	3.60	114.9	3.33
		31.8	136.5	4.18	131.8	4.02	127.6	3.95	124.9	3.77	121.6	3.60	114.9	3.23
		38.1	136.5	4.15	131.8	3.99	127.6	3.95	124.9	3.77	121.6	3.60	114.9	3.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	10.2	45.9	5.72	45.6	5.31	45.3	4.95	44.9	4.74	45.0	4.60	44.0	4.12
		12.7	47.5	5.82	47.2	5.42	46.9	5.06	46.4	4.84	46.5	4.70	45.5	4.21
		25.4	53.7	6.21	53.4	5.83	53.1	5.48	52.5	5.25	52.5	5.10	51.5	4.57
		31.8	59.4	6.61	59.0	6.23	58.7	5.91	58.1	5.67	58.1	5.50	56.9	4.93
		38.1	62.2	6.81	61.8	6.43	61.5	6.13	60.9	5.88	60.9	5.70	59.5	5.10
	32	10.2	82.1	7.82	80.3	7.49	78.6	7.25	77.1	6.94	76.4	6.75	73.5	6.03
		12.7	82.6	7.84	80.8	7.51	79.1	7.27	77.6	6.96	76.9	6.77	73.9	6.05
		25.4	84.5	7.92	82.7	7.58	80.9	7.35	79.4	7.04	78.7	6.84	75.7	6.12
		31.8	85.8	7.92	84.0	7.58	82.2	7.35	80.6	7.04	79.9	6.84	76.8	6.12
		38.1	86.5	7.92	84.6	7.58	82.8	7.35	81.2	7.04	80.5	6.84	77.3	6.12
	41	10.2	119.8	8.41	116.9	8.09	114.2	7.89	111.6	7.55	107.3	7.34	102.1	6.57
		12.7	120.2	8.45	117.1	8.13	114.2	7.93	111.6	7.59	107.3	7.38	102.1	6.61
		25.4	121.8	8.60	118.0	8.28	114.3	8.09	111.6	7.75	107.3	7.53	102.1	6.74
		31.8	122.5	8.65	118.3	8.34	114.3	8.14	111.6	7.81	107.3	7.58	102.1	6.78
		38.1	122.8	8.68	118.5	8.36	114.3	8.17	111.6	7.83	107.3	7.61	102.1	6.81
	50	10.2	120.2	7.54	117.2	7.28	114.1	7.13	111.4	6.89	107.1	6.66	101.9	5.99
		12.7	120.7	7.56	117.5	7.30	114.2	7.15	111.6	6.90	107.3	6.65	102.1	5.99
		25.4	122.5	7.61	118.7	7.39	114.9	7.23	112.3	6.93	108.0	6.64	102.6	6.02
		31.8	123.2	7.61	119.3	7.39	115.3	7.21	112.5	6.91	108.2	6.66	102.9	6.09
		38.1	123.5	7.61	119.5	7.39	115.5	7.20	112.6	6.90	108.3	6.68	103.0	6.12
	59	10.2	120.6	6.67	117.4	6.49	114.0	6.38	111.3	6.22	106.9	5.97	101.8	5.41
		12.7	121.1	6.66	117.8	6.49	114.3	6.38	111.6	6.20	107.3	5.93	102.1	5.39
		25.4	123.1	6.63	119.6	6.49	115.6	6.38	112.9	6.11	108.7	5.75	103.1	5.30
		31.8	123.8	6.58	120.2	6.43	116.2	6.29	113.3	6.02	109.0	5.75	103.7	5.39
		38.1	124.1	6.56	120.5	6.40	116.5	6.25	113.5	5.98	109.2	5.75	104.0	5.44
	68	10.2	122.8	5.76	119.4	5.62	115.6	5.48	112.5	5.39	108.4	5.24	102.7	4.90
		12.7	123.5	5.77	119.9	5.62	115.9	5.48	112.9	5.39	108.7	5.21	103.1	4.89
		25.4	126.1	5.82	121.5	5.62	117.2	5.48	114.6	5.39	110.0	5.12	104.7	4.85
		31.8	126.8	5.82	122.5	5.62	117.9	5.48	114.9	5.30	110.6	5.12	105.0	4.85
		38.1	127.1	5.82	123.0	5.62	118.3	5.48	115.1	5.25	110.9	5.12	105.1	4.85
	77	10.2	126.6	5.24	122.9	5.05	117.9	4.97	115.3	4.78	111.3	4.60	105.4	4.22
		12.7	126.9	5.23	122.9	5.03	117.9	4.94	115.3	4.76	111.3	4.58	105.4	4.22
		25.4	127.9	5.19	122.9	4.94	117.9	4.85	115.3	4.67	111.3	4.49	105.4	4.22
		31.8	128.5	5.19	122.9	4.96	117.9	4.76	115.3	4.67	111.3	4.40	105.4	4.14
		38.1	128.8	5.19	122.9	4.97	117.9	4.71	115.3	4.67	111.3	4.36	105.4	4.09
	86	10.2	128.5	4.78	122.9	4.60	117.9	4.43	115.3	4.34	111.3	4.07	105.4	3.80
		12.7	128.5	4.76	122.9	4.58	117.9	4.40	115.3	4.31	111.3	4.04	105.4	3.77
		25.4	128.5	4.67	122.9	4.49	117.9	4.31	115.3	4.22	111.3	3.95	105.4	3.68
		31.8	128.5	4.64	122.9	4.40	117.9	4.22	115.3	4.14	111.3	3.95	105.4	3.68
		38.1	128.5	4.62	122.9	4.36	117.9	4.17	115.3	4.09	111.3	3.95	105.4	3.68
	95	10.2	128.5	4.53	122.9	4.24	117.9	4.07	115.3	3.89	111.3	3.70	105.4	3.43
		12.7	128.5	4.49	122.9	4.22	117.9	4.04	115.3	3.87	111.3	3.68	105.4	3.41
		25.4	128.5	4.31	122.9	4.14	117.9	3.95	115.3	3.77	111.3	3.60	105.4	3.33
		31.8	128.5	4.20	122.9	4.04	117.9	3.87	115.3	3.77	111.3	3.60	105.4	3.33
		38.1	128.5	4.14	122.9	4.00	117.9	3.82	115.3	3.77	111.3	3.60	105.4	3.33
	104	10.2	128.5	4.26	122.9	4.09	117.9	3.82	115.3	3.62	111.3	3.43	105.4	3.16
		12.7	128.5	4.22	122.9	4.04	117.9	3.77	115.3	3.60	111.3	3.41	105.4	3.14
		25.4	128.5	4.04	122.9	3.87	117.9	3.60	115.3	3.50	111.3	3.33	105.4	3.06
		31.8	128.5	3.99	122.9	3.77	117.9	3.60	115.3	3.41	111.3	3.23	105.4	2.96
		38.1	128.5	3.96	122.9	3.73	117.9	3.60	115.3	3.36	111.3	3.19	105.4	2.92
	113	10.2	128.5	3.99	122.9	3.93	117.9	3.57	115.3	3.35	111.3	3.16	105.4	2.89
		12.7	128.5	3.95	122.9	3.87	117.9	3.50	115.3	3.33	111.3	3.14	105.4	2.87
		25.4	128.5	3.77	122.9	3.60	117.9	3.23	115.3	3.23	111.3	3.06	105.4	2.79
		31.8	128.5	3.77	122.9	3.50	117.9	3.33	115.3	3.06	111.3	2.87	105.4	2.60
		38.1	128.5	3.77	122.9	3.46	117.9	3.37	115.3	2.97	111.3	2.78	105.4	2.51

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	10.2	43.4	5.72	43.1	5.39	42.9	4.95	42.6	4.74	42.2	4.53	41.4	4.12
		12.7	44.9	5.82	44.6	5.49	44.4	5.06	44.0	4.84	43.6	4.63	42.8	4.21
		25.4	50.8	6.21	50.5	5.90	50.2	5.48	49.7	5.25	49.3	5.03	48.5	4.57
		31.8	56.2	6.61	55.8	6.31	55.5	5.91	55.0	5.67	54.6	5.42	53.5	4.93
		38.1	58.8	6.81	58.4	6.52	58.1	6.13	57.6	5.88	57.2	5.61	56.1	5.10
	32	10.2	77.6	7.82	75.9	7.59	74.3	7.25	73.0	6.94	71.7	6.64	69.2	6.03
		12.7	78.1	7.84	76.4	7.61	74.7	7.27	73.4	6.96	72.1	6.66	69.6	6.05
		25.4	79.9	7.92	78.2	7.69	76.5	7.35	75.1	7.04	73.8	6.74	71.2	6.12
		31.8	81.1	7.92	79.4	7.69	77.7	7.35	76.3	7.04	74.9	6.74	72.3	6.12
		38.1	81.7	7.92	80.0	7.69	78.3	7.35	76.8	7.04	75.5	6.74	72.9	6.12
	41	10.2	114.5	8.41	110.7	8.21	107.9	7.89	105.7	7.55	100.7	7.23	96.0	6.57
		12.7	114.9	8.45	110.9	8.24	107.9	7.93	105.7	7.59	100.7	7.27	96.0	6.61
		25.4	116.5	8.60	111.7	8.39	108.0	8.09	105.7	7.75	100.7	7.42	96.0	6.74
		31.8	117.2	8.65	112.0	8.45	108.0	8.14	105.7	7.81	100.7	7.46	96.0	6.78
		38.1	117.6	8.68	112.2	8.48	108.0	8.17	105.7	7.83	100.7	7.49	96.0	6.81
	50	10.2	115.2	7.52	111.1	7.36	108.0	7.13	105.7	6.89	100.7	6.54	96.0	5.99
		12.7	115.4	7.56	111.2	7.38	108.0	7.15	105.7	6.90	100.7	6.55	96.0	5.99
		25.4	116.5	7.69	111.8	7.47	108.0	7.23	105.7	6.93	100.7	6.58	96.0	6.02
		31.8	117.3	7.67	112.3	7.47	108.0	7.21	105.7	6.91	100.7	6.56	96.0	5.99
		38.1	117.7	7.65	112.6	7.47	108.0	7.20	105.7	6.90	100.7	6.55	96.0	5.98
	59	10.2	115.8	6.63	111.5	6.52	108.0	6.38	105.7	6.22	100.7	5.86	96.0	5.41
		12.7	115.9	6.66	111.6	6.52	108.0	6.38	105.7	6.20	100.7	5.84	96.0	5.39
		25.4	116.5	6.79	111.9	6.54	108.0	6.38	105.7	6.11	100.7	5.75	96.0	5.30
		31.8	117.5	6.68	112.5	6.49	108.0	6.29	105.7	6.02	100.7	5.66	96.0	5.21
		38.1	118.1	6.63	112.8	6.46	108.0	6.25	105.7	5.98	100.7	5.61	96.0	5.17
	68	10.2	116.4	5.67	112.1	5.52	108.0	5.39	105.7	5.32	100.7	4.97	96.0	4.72
		12.7	116.8	5.70	112.2	5.53	108.0	5.39	105.7	5.30	100.7	4.94	96.0	4.67
		25.4	118.5	5.80	112.5	5.55	108.0	5.39	105.7	5.21	100.7	4.85	96.0	4.49
		31.8	119.3	5.70	113.5	5.50	108.0	5.30	105.7	5.12	100.7	4.76	96.0	4.40
		38.1	119.6	5.65	114.0	5.48	108.0	5.25	105.7	5.07	100.7	4.71	96.0	4.36
	77	10.2	117.8	4.96	113.9	4.80	108.0	4.60	105.7	4.43	100.7	4.16	96.0	3.77
		12.7	118.2	4.96	113.9	4.78	108.0	4.58	105.7	4.40	100.7	4.14	96.0	3.77
		25.4	120.0	4.98	113.9	4.67	108.0	4.49	105.7	4.31	100.7	4.04	96.0	3.77
		31.8	120.6	4.87	113.9	4.64	108.0	4.40	105.7	4.22	100.7	4.04	96.0	3.68
		38.1	120.9	4.81	113.9	4.62	108.0	4.36	105.7	4.17	100.7	4.04	96.0	3.63
	86	10.2	120.6	4.51	113.9	4.16	108.0	3.88	105.7	3.80	100.7	3.50	96.0	3.35
		12.7	120.6	4.49	113.9	4.14	108.0	3.87	105.7	3.77	100.7	3.50	96.0	3.33
		25.4	120.6	4.40	113.9	4.04	108.0	3.83	105.7	3.68	100.7	3.50	96.0	3.23
		31.8	120.6	4.31	113.9	4.04	108.0	3.77	105.7	3.68	100.7	3.41	96.0	3.23
		38.1	120.6	4.27	113.9	4.04	108.0	3.74	105.7	3.68	100.7	3.36	96.0	3.23
	95	10.2	120.6	4.18	113.9	3.82	108.0	3.42	105.7	3.35	100.7	3.16	96.0	2.89
		12.7	120.6	4.14	113.9	3.77	108.0	3.41	105.7	3.33	100.7	3.14	96.0	2.87
		25.4	120.6	3.95	113.9	3.60	108.0	3.37	105.7	3.23	100.7	3.06	96.0	2.79
		31.8	120.6	3.95	113.9	3.60	108.0	3.33	105.7	3.23	100.7	3.06	96.0	2.79
		38.1	120.6	3.95	113.9	3.60	108.0	3.30	105.7	3.23	100.7	3.06	96.0	2.79
	104	10.2	120.6	3.91	113.9	3.55	108.0	3.07	105.7	2.99	100.7	2.81	96.0	2.62
		12.7	120.6	3.87	113.9	3.50	108.0	3.06	105.7	2.96	100.7	2.79	96.0	2.60
		25.4	120.6	3.68	113.9	3.33	108.0	3.02	105.7	2.87	100.7	2.70	96.0	2.52
		31.8	120.6	3.60	113.9	3.33	108.0	2.96	105.7	2.87	100.7	2.70	96.0	2.52
		38.1	120.6	3.55	113.9	3.33	108.0	2.94	105.7	2.87	100.7	2.70	96.0	2.52
	113	10.2	120.6	3.64	113.9	3.28	108.0	2.70	105.7	2.62	100.7	2.45	96.0	2.35
		12.7	120.6	3.60	113.9	3.23	108.0	2.70	105.7	2.60	100.7	2.43	96.0	2.33
		25.4	120.6	3.41	113.9	3.06	108.0	2.66	105.7	2.52	100.7	2.33	96.0	2.25
		31.8	120.6	3.23	113.9	3.06	108.0	2.60	105.7	2.52	100.7	2.33	96.0	2.25
		38.1	120.6	3.15	113.9	3.06	108.0	2.57	105.7	2.52	100.7	2.33	96.0	2.25

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	10.2	41.0	5.31	39.7	4.83	38.6	4.25	38.3	4.05	38.0	3.90	37.3	3.50
		12.7	42.4	5.40	41.1	4.93	39.9	4.34	39.6	4.14	39.3	3.99	38.6	3.58
		25.4	48.0	5.76	46.5	5.29	45.1	4.71	44.8	4.49	44.5	4.33	43.6	3.88
		31.8	53.0	6.12	51.3	5.66	49.8	5.08	49.4	4.84	49.1	4.67	48.2	4.19
		38.1	55.6	6.31	53.8	5.85	52.2	5.27	51.8	5.02	51.5	4.83	50.6	4.35
	32	10.2	73.3	7.23	69.9	6.78	66.7	6.23	65.7	5.94	64.6	5.72	62.2	5.13
		12.7	73.7	7.25	70.3	6.80	67.1	6.24	66.1	5.96	65.0	5.73	62.6	5.15
		25.4	75.4	7.32	71.9	6.88	68.7	6.31	67.6	6.02	66.5	5.80	64.1	5.20
		31.8	76.6	7.32	73.0	6.88	69.8	6.31	68.6	6.02	67.6	5.80	65.1	5.20
		38.1	77.1	7.32	73.6	6.88	70.4	6.31	69.1	6.02	68.2	5.80	65.6	5.20
	41	10.2	103.6	7.76	100.2	7.32	97.0	6.78	95.0	6.46	90.8	6.22	86.5	5.58
		12.7	103.7	7.80	100.2	7.36	97.0	6.81	95.0	6.50	90.8	6.25	86.5	5.61
		25.4	104.1	7.94	99.9	7.50	97.0	6.94	95.0	6.63	90.8	6.38	86.5	5.72
		31.8	104.7	7.98	100.2	7.55	97.0	7.00	95.0	6.67	90.8	6.43	86.5	5.77
		38.1	105.0	8.01	100.3	7.57	97.0	7.03	95.0	6.70	90.8	6.45	86.5	5.79
	50	10.2	104.1	6.85	100.6	6.52	97.0	6.14	95.0	5.88	90.8	5.65	86.5	5.09
		12.7	104.1	6.86	100.5	6.52	97.0	6.14	95.0	5.89	90.8	5.64	86.5	5.09
		25.4	103.9	6.88	100.0	6.55	97.0	6.17	95.0	5.92	90.8	5.62	86.5	5.11
		31.8	104.6	6.86	100.3	6.53	97.0	6.15	95.0	5.90	90.8	5.64	86.5	5.13
		38.1	104.9	6.85	100.4	6.52	97.0	6.14	95.0	5.89	90.8	5.65	86.5	5.14
	59	10.2	104.7	5.93	100.9	5.72	97.0	5.51	95.0	5.32	90.8	5.07	86.5	4.60
		12.7	104.5	5.91	100.8	5.70	97.0	5.48	95.0	5.30	90.8	5.03	86.5	4.58
		25.4	103.8	5.82	100.1	5.60	97.0	5.39	95.0	5.21	90.8	4.85	86.5	4.49
		31.8	104.5	5.73	100.4	5.52	97.0	5.30	95.0	5.12	90.8	4.85	86.5	4.49
		38.1	104.8	5.69	100.5	5.48	97.0	5.25	95.0	5.07	90.8	4.85	86.5	4.49
	68	10.2	105.3	5.01	101.4	4.87	97.0	4.70	95.0	4.51	90.8	4.36	86.5	4.09
		12.7	105.2	5.01	101.2	4.85	97.0	4.67	95.0	4.49	90.8	4.31	86.5	4.04
		25.4	104.8	5.01	100.4	4.80	97.0	4.58	95.0	4.40	90.8	4.14	86.5	3.87
		31.8	105.1	4.93	100.7	4.76	97.0	4.58	95.0	4.40	90.8	4.14	86.5	3.87
		38.1	105.2	4.88	100.8	4.74	97.0	4.58	95.0	4.40	90.8	4.14	86.5	3.87
	77	10.2	107.0	4.38	102.7	4.14	97.0	3.97	95.0	3.77	90.8	3.62	86.5	3.35
		12.7	107.3	4.37	102.7	4.14	97.0	3.95	95.0	3.77	90.8	3.60	86.5	3.33
		25.4	108.3	4.33	102.7	4.10	97.0	3.87	95.0	3.77	90.8	3.50	86.5	3.23
		31.8	108.7	4.22	102.7	4.01	97.0	3.87	95.0	3.68	90.8	3.50	86.5	3.23
		38.1	108.9	4.16	102.7	3.96	97.0	3.87	95.0	3.63	90.8	3.50	86.5	3.23
	86	10.2	108.7	3.97	102.7	3.70	97.0	3.43	95.0	3.35	90.8	3.16	86.5	2.87
		12.7	108.7	3.95	102.7	3.68	97.0	3.41	95.0	3.33	90.8	3.14	86.5	2.87
		25.4	108.7	3.87	102.7	3.60	97.0	3.33	95.0	3.23	90.8	3.06	86.5	2.87
		31.8	108.7	3.77	102.7	3.50	97.0	3.33	95.0	3.23	90.8	3.06	86.5	2.79
		38.1	108.7	3.73	102.7	3.46	97.0	3.33	95.0	3.23	90.8	3.06	86.5	2.75
	95	10.2	108.7	3.62	102.7	3.35	97.0	3.08	95.0	2.99	90.8	2.81	86.5	2.62
		12.7	108.7	3.60	102.7	3.33	97.0	3.06	95.0	2.96	90.8	2.79	86.5	2.60
		25.4	108.7	3.50	102.7	3.23	97.0	2.96	95.0	2.87	90.8	2.70	86.5	2.52
		31.8	108.7	3.41	102.7	3.14	97.0	2.87	95.0	2.79	90.8	2.70	86.5	2.52
		38.1	108.7	3.36	102.7	3.09	97.0	2.82	95.0	2.75	90.8	2.70	86.5	2.52
	104	10.2	108.7	3.37	102.7	3.08	97.0	2.72	95.0	2.62	90.8	2.54	86.5	2.35
		12.7	108.7	3.33	102.7	3.06	97.0	2.70	95.0	2.60	90.8	2.52	86.5	2.33
		25.4	108.7	3.14	102.7	2.96	97.0	2.60	95.0	2.52	90.8	2.43	86.5	2.25
		31.8	108.7	3.14	102.7	2.96	97.0	2.60	95.0	2.52	90.8	2.43	86.5	2.25
		38.1	108.7	3.14	102.7	2.96	97.0	2.60	95.0	2.52	90.8	2.43	86.5	2.25
	113	10.2	108.7	3.13	102.7	2.81	97.0	2.35	95.0	2.27	90.8	2.27	86.5	2.08
		12.7	108.7	3.06	102.7	2.79	97.0	2.33	95.0	2.25	90.8	2.25	86.5	2.06
		25.4	108.7	2.79	102.7	2.70	97.0	2.25	95.0	2.16	90.8	2.16	86.5	1.98
		31.8	108.7	2.87	102.7	2.79	97.0	2.33	95.0	2.25	90.8	2.16	86.5	1.98
		38.1	108.7	2.91	102.7	2.83	97.0	2.37	95.0	2.30	90.8	2.16	86.5	1.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	10.2	38.8	3.78	36.3	3.64	34.4	3.48	34.0	3.37	33.8	3.21	33.1	2.96
		12.7	40.1	3.87	37.6	3.72	35.6	3.56	35.2	3.44	35.0	3.28	34.3	3.02
		25.4	45.3	4.20	42.5	4.03	40.2	3.86	39.8	3.73	39.6	3.56	38.8	3.27
		31.8	50.1	4.53	46.9	4.35	44.4	4.16	43.9	4.02	43.7	3.84	42.8	3.53
		38.1	52.6	4.69	49.1	4.51	46.5	4.32	46.0	4.17	45.8	3.98	44.8	3.66
	32	10.2	69.2	5.55	63.8	5.33	59.4	5.11	58.3	4.93	57.5	4.70	55.3	4.33
		12.7	69.6	5.57	64.2	5.34	59.8	5.12	58.7	4.94	57.9	4.71	55.7	4.34
		25.4	71.3	5.63	65.7	5.41	61.2	5.18	60.1	5.00	59.3	4.77	57.0	4.39
		31.8	72.3	5.63	66.7	5.41	62.2	5.18	61.0	5.00	60.2	4.77	57.9	4.39
		38.1	72.8	5.63	67.2	5.41	62.7	5.18	61.4	5.00	60.6	4.77	58.3	4.39
	41	10.2	95.7	6.04	90.3	5.81	86.4	5.55	84.5	5.36	80.9	5.11	76.9	4.70
		12.7	95.9	6.07	90.5	5.84	86.4	5.58	84.5	5.39	80.9	5.14	76.9	4.73
		25.4	96.7	6.20	91.2	5.95	86.5	5.70	84.5	5.50	80.9	5.24	76.9	4.83
		31.8	96.7	6.24	91.1	5.99	86.5	5.73	84.5	5.54	80.9	5.28	76.9	4.86
		38.1	96.7	6.25	91.1	6.02	86.5	5.75	84.5	5.56	80.9	5.30	76.9	4.87
	50	10.2	96.2	5.56	90.7	5.30	86.4	5.03	84.5	4.90	80.9	4.63	76.9	4.29
		12.7	96.3	5.55	90.8	5.30	86.4	5.04	84.5	4.90	80.9	4.64	76.9	4.29
		25.4	96.7	5.52	91.2	5.27	86.5	5.05	84.5	4.91	80.9	4.65	76.9	4.30
		31.8	96.7	5.50	91.1	5.29	86.5	5.06	84.5	4.88	80.9	4.62	76.9	4.27
		38.1	96.7	5.49	91.1	5.30	86.5	5.07	84.5	4.86	80.9	4.60	76.9	4.26
	59	10.2	96.7	5.07	91.1	4.80	86.5	4.51	84.5	4.43	80.9	4.16	76.9	3.89
		12.7	96.7	5.03	91.1	4.76	86.5	4.49	84.5	4.40	80.9	4.14	76.9	3.87
		25.4	96.7	4.85	91.1	4.58	86.5	4.40	84.5	4.31	80.9	4.04	76.9	3.77
		31.8	96.7	4.76	91.1	4.58	86.5	4.40	84.5	4.22	80.9	3.95	76.9	3.68
		38.1	96.7	4.71	91.1	4.58	86.5	4.40	84.5	4.17	80.9	3.90	76.9	3.63
	68	10.2	96.7	4.24	91.1	4.07	86.5	3.87	84.5	3.80	80.9	3.62	76.9	3.35
		12.7	96.7	4.22	91.1	4.04	86.5	3.87	84.5	3.77	80.9	3.60	76.9	3.33
		25.4	96.7	4.14	91.1	3.95	86.5	3.87	84.5	3.68	80.9	3.50	76.9	3.23
		31.8	96.7	4.04	91.1	3.87	86.5	3.77	84.5	3.68	80.9	3.41	76.9	3.23
		38.1	96.7	4.00	91.1	3.82	86.5	3.73	84.5	3.68	80.9	3.36	76.9	3.23
	77	10.2	96.7	3.80	91.1	3.53	86.5	3.33	84.5	3.26	80.9	3.08	76.9	2.89
		12.7	96.7	3.77	91.1	3.50	86.5	3.33	84.5	3.23	80.9	3.06	76.9	2.87
		25.4	96.7	3.68	91.1	3.41	86.5	3.33	84.5	3.14	80.9	2.96	76.9	2.79
		31.8	96.7	3.60	91.1	3.41	86.5	3.23	84.5	3.14	80.9	2.96	76.9	2.79
		38.1	96.7	3.55	91.1	3.41	86.5	3.19	84.5	3.14	80.9	2.96	76.9	2.79
	86	10.2	96.7	3.35	91.1	3.16	86.5	2.99	84.5	2.89	80.9	2.72	76.9	2.54
		12.7	96.7	3.33	91.1	3.14	86.5	2.96	84.5	2.87	80.9	2.70	76.9	2.52
		25.4	96.7	3.23	91.1	3.06	86.5	2.87	84.5	2.79	80.9	2.60	76.9	2.43
		31.8	96.7	3.23	91.1	3.06	86.5	2.87	84.5	2.79	80.9	2.60	76.9	2.43
		38.1	96.7	3.23	91.1	3.06	86.5	2.87	84.5	2.79	80.9	2.60	76.9	2.43
	95	10.2	96.7	3.08	91.1	2.89	86.5	2.62	84.5	2.52	80.9	2.45	76.9	2.25
		12.7	96.7	3.06	91.1	2.87	86.5	2.60	84.5	2.52	80.9	2.43	76.9	2.25
		25.4	96.7	2.96	91.1	2.79	86.5	2.52	84.5	2.52	80.9	2.33	76.9	2.25
		31.8	96.7	2.96	91.1	2.70	86.5	2.52	84.5	2.43	80.9	2.33	76.9	2.16
		38.1	96.7	2.96	91.1	2.65	86.5	2.52	84.5	2.38	80.9	2.33	76.9	2.11
	104	10.2	96.7	2.92	91.1	2.62	86.5	2.33	84.5	2.35	80.9	2.16	76.9	2.08
		12.7	96.7	2.87	91.1	2.60	86.5	2.33	84.5	2.33	80.9	2.16	76.9	2.06
		25.4	96.7	2.70	91.1	2.52	86.5	2.33	84.5	2.25	80.9	2.16	76.9	1.98
		31.8	96.7	2.70	91.1	2.52	86.5	2.25	84.5	2.25	80.9	2.16	76.9	1.98
		38.1	96.7	2.70	91.1	2.52	86.5	2.21	84.5	2.25	80.9	2.16	76.9	1.98
	113	10.2	96.7	2.76	91.1	2.35	86.5	2.04	84.5	2.20	80.9	1.86	76.9	1.93
		12.7	96.7	2.70	91.1	2.33	86.5	2.06	84.5	2.16	80.9	1.89	76.9	1.89
		25.4	96.7	2.43	91.1	2.25	86.5	2.16	84.5	1.98	80.9	1.98	76.9	1.71
		31.8	96.7	2.43	91.1	2.33	86.5	1.98	84.5	2.06	80.9	1.98	76.9	1.79
		38.1	96.7	2.43	91.1	2.37	86.5	1.89	84.5	2.11	80.9	1.98	76.9	1.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	10.2	33.8	3.25	31.8	3.09	30.0	2.99	29.7	2.82	29.5	2.72	29.0	2.47
		12.7	35.0	3.32	32.9	3.16	31.0	3.06	30.7	2.88	30.5	2.78	30.0	2.53
		25.4	39.6	3.60	37.2	3.43	35.1	3.32	34.8	3.12	34.6	3.01	34.0	2.74
		31.8	43.8	3.88	41.1	3.70	38.8	3.58	38.5	3.36	38.2	3.25	37.5	2.96
		38.1	45.9	4.03	43.1	3.83	40.7	3.71	40.4	3.49	40.0	3.37	39.2	3.06
	32	10.2	60.5	4.75	55.9	4.53	51.9	4.38	51.0	4.12	50.2	3.98	48.4	3.62
		12.7	60.9	4.77	56.3	4.54	52.2	4.40	51.3	4.14	50.5	4.00	48.7	3.63
		25.4	62.3	4.82	57.6	4.59	53.4	4.45	52.5	4.18	51.7	4.04	49.8	3.67
		31.8	63.2	4.82	58.5	4.59	54.3	4.45	53.3	4.18	52.5	4.04	50.6	3.67
		38.1	63.6	4.82	58.9	4.59	54.7	4.45	53.8	4.18	52.9	4.04	51.0	3.67
	41	10.2	83.6	5.18	79.2	4.93	75.4	4.77	73.8	4.50	70.5	4.33	67.2	3.94
		12.7	83.8	5.20	79.4	4.95	75.4	4.80	73.8	4.52	70.5	4.36	67.2	3.96
		25.4	84.5	5.31	80.0	5.06	75.5	4.90	73.8	4.60	70.5	4.45	67.2	4.04
		31.8	84.5	5.34	79.9	5.09	75.5	4.93	73.8	4.64	70.5	4.48	67.2	4.07
		38.1	84.5	5.36	79.8	5.11	75.5	4.95	73.8	4.66	70.5	4.49	67.2	4.08
	50	10.2	84.0	4.77	79.5	4.51	75.5	4.34	73.8	4.10	70.5	3.93	67.2	3.60
		12.7	84.1	4.76	79.6	4.50	75.5	4.33	73.8	4.10	70.5	3.93	67.2	3.60
		25.4	84.5	4.72	79.9	4.46	75.5	4.29	73.8	4.10	70.5	3.93	67.2	3.60
		31.8	84.5	4.74	79.9	4.48	75.5	4.31	73.8	4.12	70.5	3.90	67.2	3.61
		38.1	84.5	4.75	79.9	4.49	75.5	4.32	73.8	4.13	70.5	3.89	67.2	3.61
	59	10.2	84.5	4.36	79.9	4.09	75.5	3.91	73.8	3.70	70.5	3.53	67.2	3.26
		12.7	84.5	4.31	79.9	4.04	75.5	3.87	73.8	3.68	70.5	3.50	67.2	3.23
		25.4	84.5	4.14	79.9	3.87	75.5	3.68	73.8	3.60	70.5	3.41	67.2	3.14
		31.8	84.5	4.14	79.9	3.87	75.5	3.68	73.8	3.60	70.5	3.33	67.2	3.14
		38.1	84.5	4.14	79.9	3.87	75.5	3.68	73.8	3.60	70.5	3.28	67.2	3.14
	68	10.2	84.5	3.62	79.9	3.43	75.5	3.35	73.8	3.26	70.5	3.08	67.2	2.89
		12.7	84.5	3.60	79.9	3.41	75.5	3.33	73.8	3.23	70.5	3.06	67.2	2.87
		25.4	84.5	3.50	79.9	3.33	75.5	3.23	73.8	3.14	70.5	2.96	67.2	2.79
		31.8	84.5	3.50	79.9	3.33	75.5	3.23	73.8	3.06	70.5	2.96	67.2	2.70
		38.1	84.5	3.50	79.9	3.33	75.5	3.23	73.8	3.02	70.5	2.96	67.2	2.65
	77	10.2	84.5	3.26	79.9	3.08	75.5	2.89	73.8	2.81	70.5	2.60	67.2	2.43
		12.7	84.5	3.23	79.9	3.06	75.5	2.87	73.8	2.79	70.5	2.60	67.2	2.43
		25.4	84.5	3.14	79.9	2.96	75.5	2.79	73.8	2.70	70.5	2.60	67.2	2.43
		31.8	84.5	3.06	79.9	2.87	75.5	2.79	73.8	2.70	70.5	2.52	67.2	2.43
		38.1	84.5	3.02	79.9	2.82	75.5	2.79	73.8	2.70	70.5	2.48	67.2	2.43
	86	10.2	84.5	2.89	79.9	2.72	75.5	2.54	73.8	2.43	70.5	2.35	67.2	2.16
		12.7	84.5	2.87	79.9	2.70	75.5	2.52	73.8	2.43	70.5	2.33	67.2	2.16
		25.4	84.5	2.79	79.9	2.60	75.5	2.43	73.8	2.43	70.5	2.25	67.2	2.16
		31.8	84.5	2.79	79.9	2.60	75.5	2.43	73.8	2.33	70.5	2.25	67.2	2.16
		38.1	84.5	2.79	79.9	2.60	75.5	2.43	73.8	2.29	70.5	2.25	67.2	2.16
	95	10.2	84.5	2.62	79.9	2.45	75.5	2.25	73.8	2.27	70.5	2.06	67.2	2.00
		12.7	84.5	2.60	79.9	2.43	75.5	2.25	73.8	2.25	70.5	2.06	67.2	1.98
		25.4	84.5	2.52	79.9	2.33	75.5	2.25	73.8	2.16	70.5	2.06	67.2	1.89
		31.8	84.5	2.52	79.9	2.33	75.5	2.16	73.8	2.16	70.5	2.06	67.2	1.89
		38.1	84.5	2.52	79.9	2.33	75.5	2.11	73.8	2.16	70.5	2.06	67.2	1.89
	104	10.2	84.5	2.45	79.9	2.27	75.5	2.08	73.8	1.98	70.5	1.89	67.2	1.81
		12.7	84.5	2.43	79.9	2.25	75.5	2.06	73.8	1.98	70.5	1.89	67.2	1.79
		25.4	84.5	2.33	79.9	2.16	75.5	1.98	73.8	1.98	70.5	1.89	67.2	1.71
		31.8	84.5	2.33	79.9	2.16	75.5	1.98	73.8	1.89	70.5	1.79	67.2	1.71
		38.1	84.5	2.33	79.9	2.16	75.5	1.98	73.8	1.84	70.5	1.75	67.2	1.71
	113	10.2	84.5	2.27	79.9	2.08	75.5	1.93	73.8	1.69	70.5	1.71	67.2	1.64
		12.7	84.5	2.25	79.9	2.06	75.5	1.89	73.8	1.71	70.5	1.71	67.2	1.62
		25.4	84.5	2.16	79.9	1.98	75.5	1.71	73.8	1.79	70.5	1.71	67.2	1.52
		31.8	84.5	2.16	79.9	1.98	75.5	1.79	73.8	1.62	70.5	1.52	67.2	1.52
		38.1	84.5	2.16	79.9	1.98	75.5	1.84	73.8	1.53	70.5	1.43	67.2	1.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	10.2	29.0	2.64	27.2	2.54	25.7	2.44	25.4	2.26	25.3	2.23	24.9	1.99
		12.7	30.0	2.70	28.1	2.59	26.6	2.49	26.3	2.31	26.2	2.28	25.7	2.04
		25.4	34.1	2.93	31.8	2.82	30.1	2.70	29.8	2.51	29.7	2.47	29.1	2.21
		31.8	37.6	3.15	35.2	3.04	33.4	2.92	33.0	2.71	32.9	2.67	32.1	2.38
		38.1	39.3	3.26	36.8	3.15	35.0	3.03	34.5	2.82	34.4	2.77	33.7	2.46
	32	10.2	51.9	3.86	47.8	3.73	44.6	3.57	43.7	3.32	43.1	3.27	41.6	2.92
		12.7	52.2	3.88	48.1	3.74	44.9	3.58	44.0	3.33	43.4	3.28	41.8	2.93
		25.4	53.4	3.92	49.2	3.77	46.0	3.62	45.0	3.36	44.4	3.32	42.7	2.96
		31.8	54.3	3.92	50.0	3.77	46.7	3.62	45.7	3.36	45.1	3.32	43.4	2.96
		38.1	54.7	3.92	50.4	3.77	47.1	3.62	46.1	3.36	45.5	3.32	43.8	2.96
	41	10.2	71.8	4.21	67.7	4.05	64.9	3.88	63.3	3.61	60.6	3.56	57.7	3.17
		12.7	71.9	4.23	67.8	4.07	64.9	3.90	63.3	3.63	60.6	3.58	57.7	3.19
		25.4	72.5	4.31	68.3	4.15	64.9	3.99	63.3	3.71	60.6	3.65	57.7	3.25
		31.8	72.5	4.35	68.2	4.18	64.9	4.01	63.3	3.74	60.6	3.67	57.7	3.28
		38.1	72.5	4.37	68.2	4.20	64.9	4.03	63.3	3.75	60.6	3.68	57.7	3.29
	50	10.2	72.2	3.87	67.9	3.70	64.9	3.52	63.3	3.29	60.6	3.23	57.7	2.89
		12.7	72.2	3.87	68.0	3.70	64.9	3.52	63.3	3.30	60.6	3.22	57.7	2.90
		25.4	72.5	3.87	68.3	3.70	64.9	3.52	63.3	3.34	60.6	3.22	57.7	2.93
		31.8	72.5	3.88	68.2	3.66	64.9	3.48	63.3	3.30	60.6	3.19	57.7	2.90
		38.1	72.5	3.88	68.2	3.64	64.9	3.47	63.3	3.28	60.6	3.17	57.7	2.89
	59	10.2	72.5	3.53	68.2	3.35	64.9	3.16	63.3	2.96	60.6	2.89	57.7	2.60
		12.7	72.5	3.50	68.2	3.33	64.9	3.14	63.3	2.96	60.6	2.87	57.7	2.60
		25.4	72.5	3.41	68.2	3.23	64.9	3.06	63.3	2.96	60.6	2.79	57.7	2.60
		31.8	72.5	3.41	68.2	3.14	64.9	2.96	63.3	2.87	60.6	2.70	57.7	2.52
		38.1	72.5	3.41	68.2	3.09	64.9	2.92	63.3	2.82	60.6	2.65	57.7	2.48
	68	10.2	72.5	3.08	68.2	2.89	64.9	2.72	63.3	2.62	60.6	2.54	57.7	2.35
		12.7	72.5	3.06	68.2	2.87	64.9	2.70	63.3	2.60	60.6	2.52	57.7	2.33
		25.4	72.5	2.96	68.2	2.79	64.9	2.60	63.3	2.52	60.6	2.43	57.7	2.25
		31.8	72.5	2.96	68.2	2.79	64.9	2.60	63.3	2.52	60.6	2.43	57.7	2.25
		38.1	72.5	2.96	68.2	2.79	64.9	2.60	63.3	2.52	60.6	2.43	57.7	2.25
	77	10.2	72.5	2.72	68.2	2.54	64.9	2.33	63.3	2.35	60.6	2.16	57.7	2.08
		12.7	72.5	2.70	68.2	2.52	64.9	2.33	63.3	2.33	60.6	2.16	57.7	2.06
		25.4	72.5	2.60	68.2	2.43	64.9	2.33	63.3	2.25	60.6	2.16	57.7	1.98
		31.8	72.5	2.60	68.2	2.43	64.9	2.25	63.3	2.25	60.6	2.16	57.7	1.98
		38.1	72.5	2.60	68.2	2.43	64.9	2.21	63.3	2.25	60.6	2.16	57.7	1.98
	86	10.2	72.5	2.45	68.2	2.27	64.9	2.18	63.3	2.08	60.6	2.00	57.7	1.91
		12.7	72.5	2.43	68.2	2.25	64.9	2.16	63.3	2.06	60.6	1.98	57.7	1.89
		25.4	72.5	2.33	68.2	2.16	64.9	2.06	63.3	1.98	60.6	1.89	57.7	1.79
		31.8	72.5	2.33	68.2	2.16	64.9	2.06	63.3	1.98	60.6	1.89	57.7	1.79
		38.1	72.5	2.33	68.2	2.16	64.9	2.06	63.3	1.98	60.6	1.89	57.7	1.79
	95	10.2	72.5	2.16	68.2	2.08	64.9	1.89	63.3	1.91	60.6	1.81	57.7	1.73
		12.7	72.5	2.16	68.2	2.06	64.9	1.89	63.3	1.89	60.6	1.79	57.7	1.71
		25.4	72.5	2.16	68.2	1.98	64.9	1.89	63.3	1.79	60.6	1.71	57.7	1.62
		31.8	72.5	2.16	68.2	1.98	64.9	1.79	63.3	1.79	60.6	1.71	57.7	1.62
		38.1	72.5	2.16	68.2	1.98	64.9	1.75	63.3	1.79	60.6	1.71	57.7	1.62
	104	10.2	72.5	1.98	68.2	1.91	64.9	1.71	63.3	1.73	60.6	1.64	57.7	1.52
		12.7	72.5	1.98	68.2	1.89	64.9	1.71	63.3	1.71	60.6	1.62	57.7	1.52
		25.4	72.5	1.98	68.2	1.79	64.9	1.71	63.3	1.62	60.6	1.52	57.7	1.52
		31.8	72.5	1.98	68.2	1.79	64.9	1.71	63.3	1.62	60.6	1.52	57.7	1.52
		38.1	72.5	1.98	68.2	1.79	64.9	1.71	63.3	1.62	60.6	1.52	57.7	1.52
	113	10.2	72.5	1.79	68.2	1.73	64.9	1.52	63.3	1.55	60.6	1.46	57.7	1.32
		12.7	72.5	1.79	68.2	1.71	64.9	1.52	63.3	1.52	60.6	1.44	57.7	1.35
		25.4	72.5	1.79	68.2	1.62	64.9	1.52	63.3	1.44	60.6	1.35	57.7	1.44
		31.8	72.5	1.79	68.2	1.62	64.9	1.62	63.3	1.44	60.6	1.35	57.7	1.44
		38.1	72.5	1.79	68.2	1.62	64.9	1.66	63.3	1.44	60.6	1.35	57.7	1.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN096DAS4, ARWB096DAS4

96,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	10.2	24.2	2.10	22.7	1.99	21.5	1.88	21.2	1.78	21.1	1.67	20.7	1.58
		12.7	25.0	2.15	23.5	2.04	22.2	1.92	21.9	1.82	21.8	1.71	21.4	1.62
		25.4	28.2	2.32	26.5	2.21	25.1	2.08	24.8	1.98	24.7	1.86	24.2	1.75
		31.8	31.2	2.51	29.3	2.38	27.7	2.25	27.4	2.14	27.2	2.00	26.8	1.89
		38.1	32.8	2.60	30.8	2.46	29.0	2.33	28.7	2.22	28.5	2.07	28.1	1.96
	32	10.2	43.1	3.08	40.0	2.92	37.1	2.75	36.3	2.61	35.8	2.46	34.6	2.32
		12.7	43.4	3.09	40.2	2.93	37.4	2.76	36.6	2.62	36.1	2.46	34.8	2.32
		25.4	44.4	3.11	41.1	2.96	38.3	2.80	37.5	2.66	37.0	2.49	35.6	2.35
		31.8	45.1	3.11	41.7	2.96	38.8	2.80	38.1	2.66	37.5	2.49	36.2	2.35
		38.1	45.5	3.11	42.0	2.96	39.0	2.80	38.4	2.66	37.7	2.49	36.5	2.35
	41	10.2	59.6	3.35	56.6	3.17	53.9	2.99	52.6	2.85	50.3	2.67	48.0	2.51
		12.7	59.8	3.36	56.7	3.19	53.9	3.01	52.6	2.86	50.3	2.69	48.0	2.53
		25.4	60.3	3.43	57.1	3.25	54.1	3.08	52.6	2.92	50.3	2.73	48.0	2.58
		31.8	60.3	3.46	57.0	3.28	54.1	3.09	52.6	2.94	50.3	2.76	48.0	2.60
		38.1	60.3	3.47	56.9	3.29	54.1	3.10	52.6	2.95	50.3	2.77	48.0	2.61
	50	10.2	60.0	3.08	56.7	2.90	53.9	2.73	52.6	2.61	50.3	2.41	48.0	2.30
		12.7	60.1	3.08	56.8	2.90	53.9	2.72	52.6	2.60	50.3	2.42	48.0	2.30
		25.4	60.3	3.06	57.1	2.89	54.1	2.70	52.6	2.58	50.3	2.44	48.0	2.28
		31.8	60.3	3.08	57.0	2.90	54.1	2.71	52.6	2.59	50.3	2.41	48.0	2.29
		38.1	60.3	3.09	56.9	2.90	54.1	2.72	52.6	2.60	50.3	2.39	48.0	2.29
	59	10.2	60.3	2.81	57.0	2.62	54.1	2.45	52.6	2.35	50.3	2.16	48.0	2.08
		12.7	60.3	2.79	57.0	2.60	54.1	2.43	52.6	2.33	50.3	2.16	48.0	2.06
		25.4	60.3	2.70	57.0	2.52	54.1	2.33	52.6	2.25	50.3	2.16	48.0	1.98
		31.8	60.3	2.70	57.0	2.52	54.1	2.33	52.6	2.25	50.3	2.06	48.0	1.98
		38.1	60.3	2.70	57.0	2.52	54.1	2.33	52.6	2.25	50.3	2.02	48.0	1.98
	68	10.2	60.3	2.45	57.0	2.27	54.1	2.18	52.6	2.08	50.3	2.00	48.0	1.79
		12.7	60.3	2.43	57.0	2.25	54.1	2.16	52.6	2.06	50.3	1.98	48.0	1.79
		25.4	60.3	2.33	57.0	2.16	54.1	2.06	52.6	1.98	50.3	1.89	48.0	1.79
		31.8	60.3	2.33	57.0	2.16	54.1	2.06	52.6	1.98	50.3	1.89	48.0	1.79
		38.1	60.3	2.33	57.0	2.16	54.1	2.06	52.6	1.98	50.3	1.89	48.0	1.79
	77	10.2	60.3	2.18	57.0	1.98	54.1	1.91	52.6	1.79	50.3	1.71	48.0	1.62
		12.7	60.3	2.16	57.0	1.98	54.1	1.89	52.6	1.79	50.3	1.71	48.0	1.62
		25.4	60.3	2.06	57.0	1.98	54.1	1.79	52.6	1.79	50.3	1.71	48.0	1.62
		31.8	60.3	2.06	57.0	1.98	54.1	1.79	52.6	1.79	50.3	1.71	48.0	1.62
		38.1	60.3	2.06	57.0	1.98	54.1	1.79	52.6	1.79	50.3	1.71	48.0	1.62
	86	10.2	60.3	2.00	57.0	1.81	54.1	1.73	52.6	1.62	50.3	1.64	48.0	1.55
		12.7	60.3	1.98	57.0	1.79	54.1	1.71	52.6	1.62	50.3	1.62	48.0	1.52
		25.4	60.3	1.89	57.0	1.71	54.1	1.62	52.6	1.62	50.3	1.52	48.0	1.44
		31.8	60.3	1.89	57.0	1.71	54.1	1.62	52.6	1.62	50.3	1.52	48.0	1.44
		38.1	60.3	1.89	57.0	1.71	54.1	1.62	52.6	1.62	50.3	1.52	48.0	1.44
	95	10.2	60.3	1.81	57.0	1.62	54.1	1.52	52.6	1.55	50.3	1.44	48.0	1.35
		12.7	60.3	1.79	57.0	1.62	54.1	1.52	52.6	1.52	50.3	1.44	48.0	1.35
		25.4	60.3	1.71	57.0	1.62	54.1	1.52	52.6	1.44	50.3	1.44	48.0	1.35
		31.8	60.3	1.71	57.0	1.62	54.1	1.52	52.6	1.44	50.3	1.44	48.0	1.35
		38.1	60.3	1.71	57.0	1.62	54.1	1.52	52.6	1.44	50.3	1.44	48.0	1.35
	104	10.2	60.3	1.64	57.0	1.55	54.1	1.46	52.6	1.35	50.3	1.37	48.0	1.25
		12.7	60.3	1.62	57.0	1.52	54.1	1.44	52.6	1.35	50.3	1.35	48.0	1.25
		25.4	60.3	1.52	57.0	1.44	54.1	1.35	52.6	1.35	50.3	1.25	48.0	1.25
		31.8	60.3	1.52	57.0	1.44	54.1	1.35	52.6	1.35	50.3	1.25	48.0	1.25
		38.1	60.3	1.52	57.0	1.44	54.1	1.35	52.6	1.35	50.3	1.25	48.0	1.25
	113	10.2	60.3	1.46	57.0	1.49	54.1	1.39	52.6	1.15	50.3	1.30	48.0	1.17
		12.7	60.3	1.44	57.0	1.44	54.1	1.35	52.6	1.17	50.3	1.25	48.0	1.17
		25.4	60.3	1.35	57.0	1.25	54.1	1.17	52.6	1.25	50.3	1.08	48.0	1.17
		31.8	60.3	1.35	57.0	1.25	54.1	1.17	52.6	1.25	50.3	1.08	48.0	1.17
		38.1	60.3	1.35	57.0	1.25	54.1	1.17	52.6	1.25	50.3	1.08	48.0	1.17

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	12.2	63.9	7.19	63.4	6.77	63.0	6.31	62.2	6.12	62.9	5.96	61.2	5.34
		15.2	66.1	7.32	65.6	6.91	65.2	6.44	64.3	6.25	65.1	6.09	63.3	5.46
		30.4	74.7	7.82	74.1	7.43	73.7	6.99	72.7	6.79	73.6	6.60	71.7	5.92
		38.0	82.6	8.32	81.9	7.94	81.4	7.53	80.4	7.33	81.4	7.12	79.2	6.38
		45.6	86.6	8.57	85.8	8.19	85.2	7.81	84.2	7.61	85.3	7.38	83.0	6.62
	32	12.2	114.1	9.84	111.5	9.55	109.1	9.24	106.7	8.98	107.1	8.73	102.2	7.82
		15.2	114.8	9.87	112.1	9.57	109.8	9.26	107.4	9.00	107.7	8.75	102.9	7.84
		30.4	117.5	9.97	114.7	9.67	112.3	9.37	109.9	9.11	110.3	8.85	105.4	7.94
		38.0	119.3	9.97	116.4	9.67	114.0	9.37	111.5	9.11	111.9	8.85	106.9	7.94
		45.6	120.2	9.97	117.3	9.67	114.9	9.37	112.3	9.11	112.7	8.85	107.6	7.94
	41	12.2	164.3	10.58	161.8	10.32	158.5	10.05	154.5	9.77	150.3	9.50	142.0	8.51
		15.2	164.9	10.62	162.1	10.36	158.5	10.10	154.5	9.82	150.3	9.55	142.0	8.55
		30.4	167.1	10.81	163.3	10.55	158.6	10.31	154.5	10.02	150.3	9.74	142.0	8.73
		38.0	168.2	10.89	163.8	10.62	158.6	10.38	154.5	10.09	150.3	9.81	142.0	8.79
		45.6	168.7	10.92	164.0	10.66	158.6	10.41	154.5	10.13	150.3	9.84	142.0	8.82
	50	12.2	164.5	9.62	161.9	9.30	158.0	9.13	153.8	8.92	149.7	8.62	141.5	7.78
		15.2	165.5	9.61	162.6	9.31	158.6	9.14	154.5	8.92	150.3	8.61	142.0	7.77
		30.4	169.4	9.54	165.6	9.35	161.1	9.22	157.0	8.91	152.6	8.59	144.3	7.75
		38.0	170.3	9.67	166.8	9.48	162.1	9.25	157.7	8.94	153.6	8.73	145.2	8.11
		45.6	170.7	9.73	167.3	9.54	162.6	9.27	158.1	8.96	154.1	8.80	145.6	8.30
	59	12.2	164.8	8.67	161.9	8.30	157.3	8.21	153.2	8.08	149.2	7.74	140.9	7.05
		15.2	166.1	8.59	163.1	8.27	158.6	8.20	154.5	8.02	150.3	7.68	142.0	6.99
		30.4	171.5	8.24	168.0	8.13	163.6	8.13	159.5	7.78	154.8	7.44	146.6	6.75
		38.0	172.4	8.45	169.7	8.32	165.6	8.13	161.1	7.78	157.0	7.65	148.3	7.44
		45.6	172.9	8.55	170.5	8.41	166.7	8.13	161.9	7.78	158.1	7.76	149.2	7.78
	68	12.2	171.1	7.96	167.9	7.59	163.5	7.42	159.0	7.18	154.4	7.02	145.2	6.81
		15.2	172.4	7.90	169.3	7.58	164.8	7.41	160.2	7.21	155.7	7.07	146.6	6.75
		30.4	177.8	7.68	174.7	7.56	169.8	7.39	165.3	7.33	161.1	7.26	152.0	6.53
		38.0	178.6	7.68	175.9	7.56	171.8	7.44	166.9	7.33	162.4	7.26	153.2	6.94
		45.6	179.0	7.68	176.6	7.56	172.8	7.46	167.7	7.33	163.0	7.26	153.8	7.15
	77	12.2	180.6	7.59	175.9	7.37	171.8	7.24	168.5	7.12	164.8	7.02	155.3	6.56
		15.2	180.6	7.56	175.9	7.36	171.8	7.21	168.5	7.10	164.8	6.99	155.3	6.53
		30.4	180.6	7.44	175.9	7.31	171.8	7.10	168.5	6.99	164.8	6.87	155.3	6.41
		38.0	180.6	7.33	175.9	7.12	171.8	6.99	168.5	6.87	164.8	6.75	155.3	6.30
		45.6	180.6	7.28	175.9	7.02	171.8	6.93	168.5	6.81	164.8	6.69	155.3	6.25
	86	12.2	180.6	7.39	175.9	7.02	171.8	6.96	168.5	6.78	164.8	6.70	155.3	6.24
		15.2	180.6	7.33	175.9	7.01	171.8	6.92	168.5	6.75	164.8	6.64	155.3	6.18
		30.4	180.6	7.10	175.9	6.96	171.8	6.75	168.5	6.64	164.8	6.41	155.3	5.96
		38.0	180.6	6.99	175.9	6.78	171.8	6.64	168.5	6.53	164.8	6.41	155.3	5.96
		45.6	180.6	6.93	175.9	6.68	171.8	6.59	168.5	6.47	164.8	6.41	155.3	5.96
	95	12.2	180.6	7.05	175.9	6.81	171.8	6.67	168.5	6.43	164.8	6.21	155.3	5.78
		15.2	180.6	6.99	175.9	6.78	171.8	6.64	168.5	6.41	164.8	6.18	155.3	5.72
		30.4	180.6	6.75	175.9	6.62	171.8	6.53	168.5	6.30	164.8	6.06	155.3	5.50
		38.0	180.6	6.75	175.9	6.55	171.8	6.41	168.5	6.18	164.8	5.96	155.3	5.50
		45.6	180.6	6.75	175.9	6.51	171.8	6.35	168.5	6.12	164.8	5.90	155.3	5.50
	104	12.2	180.6	6.81	175.9	6.59	171.8	6.46	168.5	6.24	164.8	6.02	155.3	5.43
		15.2	180.6	6.75	175.9	6.55	171.8	6.41	168.5	6.18	164.8	5.96	155.3	5.38
		30.4	180.6	6.53	175.9	6.38	171.8	6.18	168.5	5.96	164.8	5.72	155.3	5.15
		38.0	180.6	6.41	175.9	6.28	171.8	6.18	168.5	5.96	164.8	5.72	155.3	5.15
		45.6	180.6	6.35	175.9	6.22	171.8	6.18	168.5	5.96	164.8	5.72	155.3	5.15
	113	12.2	180.6	6.58	175.9	6.37	171.8	6.27	168.5	6.04	164.8	5.81	155.3	5.09
		15.2	180.6	6.53	175.9	6.33	171.8	6.18	168.5	5.96	164.8	5.72	155.3	5.03
		30.4	180.6	6.30	175.9	6.16	171.8	5.84	168.5	5.61	164.8	5.38	155.3	4.81
		38.0	180.6	6.06	175.9	6.01	171.8	5.96	168.5	5.72	164.8	5.50	155.3	4.81
		45.6	180.6	5.95	175.9	5.93	171.8	6.02	168.5	5.77	164.8	5.56	155.3	4.81

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	12.2	60.7	7.19	60.2	6.77	59.8	6.31	59.1	6.04	59.6	5.86	58.0	5.25
		15.2	62.8	7.32	62.3	6.91	61.9	6.44	61.2	6.17	61.7	5.99	60.0	5.37
		30.4	71.1	7.82	70.5	7.43	70.1	6.99	69.2	6.69	69.8	6.50	67.9	5.83
		38.0	78.5	8.32	77.9	7.94	77.4	7.53	76.5	7.23	77.1	7.01	75.0	6.28
		45.6	82.2	8.57	81.6	8.19	81.0	7.81	80.1	7.49	80.8	7.27	78.5	6.50
	32	12.2	108.5	9.84	105.9	9.55	103.6	9.24	101.5	8.84	101.5	8.60	96.8	7.69
		15.2	109.1	9.87	106.5	9.57	104.2	9.26	102.1	8.87	102.1	8.62	97.5	7.71
		30.4	111.6	9.97	109.0	9.67	106.7	9.37	104.5	8.98	104.5	8.72	99.8	7.81
		38.0	113.4	9.97	110.8	9.67	108.4	9.37	106.1	8.98	106.0	8.72	101.3	7.81
		45.6	114.3	9.97	111.6	9.67	109.2	9.37	106.9	8.98	106.8	8.72	102.1	7.81
	41	12.2	156.4	10.58	154.1	10.32	150.7	10.05	147.1	9.63	142.4	9.36	134.6	8.38
		15.2	157.0	10.62	154.3	10.36	150.7	10.10	147.1	9.68	142.4	9.40	134.6	8.42
		30.4	159.2	10.81	155.5	10.55	150.7	10.31	147.1	9.88	142.4	9.59	134.6	8.59
		38.0	160.1	10.89	154.6	10.62	150.7	10.38	147.1	9.95	142.4	9.67	134.6	8.65
		45.6	160.6	10.92	154.1	10.66	150.7	10.41	147.1	9.99	142.4	9.70	134.6	8.68
	50	12.2	157.0	9.50	154.1	9.24	150.3	9.05	146.6	8.78	142.0	8.49	134.3	7.63
		15.2	157.7	9.54	154.7	9.27	150.7	9.08	147.1	8.79	142.4	8.48	134.6	7.64
		30.4	160.6	9.67	157.2	9.42	152.3	9.22	148.7	8.84	143.9	8.46	136.0	7.68
		38.0	161.5	9.63	156.7	9.42	153.0	9.25	149.3	8.87	144.5	8.49	136.6	7.94
		45.6	161.9	9.61	156.5	9.42	153.3	9.27	149.6	8.89	144.9	8.51	136.9	8.07
	59	12.2	157.4	8.43	154.3	8.18	149.8	8.05	146.2	7.93	141.7	7.61	133.9	6.90
		15.2	158.4	8.45	155.2	8.20	150.7	8.07	147.1	7.90	142.4	7.56	134.6	6.87
		30.4	162.0	8.52	159.0	8.27	154.1	8.13	150.3	7.78	145.3	7.33	137.5	6.75
		38.0	162.9	8.39	158.9	8.20	155.3	8.13	151.6	7.78	146.6	7.33	138.8	7.21
		45.6	163.3	8.32	158.8	8.16	156.0	8.13	152.2	7.78	147.2	7.33	139.4	7.45
	68	12.2	161.8	7.58	158.8	7.26	154.0	7.07	149.7	6.96	144.9	6.88	137.1	6.53
		15.2	162.9	7.58	159.7	7.28	154.8	7.10	150.7	6.99	145.8	6.87	137.9	6.50
		30.4	167.0	7.58	163.5	7.39	158.2	7.21	154.5	7.10	149.4	6.85	141.2	6.41
		38.0	167.8	7.51	163.4	7.33	159.5	7.21	155.3	7.10	150.3	6.87	142.0	6.64
		45.6	168.2	7.47	163.3	7.30	160.1	7.21	155.8	7.10	150.8	6.88	142.5	6.76
	77	12.2	169.7	7.17	164.8	6.83	159.5	6.70	156.1	6.56	152.0	6.43	143.7	5.99
		15.2	169.8	7.14	164.8	6.82	159.5	6.69	156.1	6.53	152.0	6.41	143.7	5.96
		30.4	170.2	7.04	164.8	6.78	159.5	6.64	156.1	6.41	152.0	6.30	143.7	5.84
		38.0	170.7	6.78	164.8	6.60	159.5	6.53	156.1	6.41	152.0	6.18	143.7	5.84
		45.6	170.9	6.64	164.8	6.51	159.5	6.47	156.1	6.41	152.0	6.12	143.7	5.84
	86	12.2	170.7	6.86	164.8	6.52	159.5	6.33	156.1	6.09	152.0	6.02	143.7	5.53
		15.2	170.7	6.80	164.8	6.48	159.5	6.30	156.1	6.06	152.0	5.96	143.7	5.50
		30.4	170.7	6.57	164.8	6.33	159.5	6.18	156.1	5.96	152.0	5.72	143.7	5.38
		38.0	170.7	6.36	164.8	6.18	159.5	6.06	156.1	5.96	152.0	5.72	143.7	5.27
		45.6	170.7	6.25	164.8	6.11	159.5	6.00	156.1	5.96	152.0	5.72	143.7	5.22
	95	12.2	170.7	6.55	164.8	6.19	159.5	6.02	156.1	5.78	152.0	5.55	143.7	5.06
		15.2	170.7	6.46	164.8	6.14	159.5	5.96	156.1	5.72	152.0	5.50	143.7	5.03
		30.4	170.7	6.09	164.8	5.91	159.5	5.72	156.1	5.50	152.0	5.27	143.7	4.93
		38.0	170.7	6.02	164.8	5.86	159.5	5.72	156.1	5.50	152.0	5.27	143.7	4.81
		45.6	170.7	5.98	164.8	5.84	159.5	5.72	156.1	5.50	152.0	5.27	143.7	4.75
	104	12.2	170.7	6.35	164.8	5.91	159.5	5.67	156.1	5.43	152.0	5.21	143.7	4.72
		15.2	170.7	6.23	164.8	5.84	159.5	5.61	156.1	5.38	152.0	5.15	143.7	4.69
		30.4	170.7	5.74	164.8	5.57	159.5	5.38	156.1	5.15	152.0	4.93	143.7	4.58
		38.0	170.7	5.67	164.8	5.50	159.5	5.38	156.1	5.15	152.0	4.93	143.7	4.47
		45.6	170.7	5.64	164.8	5.46	159.5	5.38	156.1	5.15	152.0	4.93	143.7	4.41
	113	12.2	170.7	6.16	164.8	5.62	159.5	5.33	156.1	5.09	152.0	4.87	143.7	4.37
		15.2	170.7	6.01	164.8	5.54	159.5	5.27	156.1	5.03	152.0	4.81	143.7	4.35
		30.4	170.7	5.40	164.8	5.22	159.5	5.03	156.1	4.81	152.0	4.58	143.7	4.24
		38.0	170.7	5.33	164.8	5.13	159.5	5.03	156.1	4.81	152.0	4.58	143.7	4.12
		45.6	170.7	5.29	164.8	5.08	159.5	5.03	156.1	4.81	152.0	4.58	143.7	4.06

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121DAS4, ARWB121DAS4
121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	12.2	57.4	7.29	57.1	6.77	56.7	6.31	56.1	6.04	56.2	5.86	55.0	5.25
		15.2	59.4	7.41	59.0	6.91	58.6	6.44	58.0	6.17	58.1	5.99	56.9	5.37
		30.4	67.2	7.91	66.8	7.43	66.4	6.99	65.7	6.69	65.7	6.50	64.4	5.83
		38.0	74.2	8.42	73.7	7.94	73.3	7.53	72.6	7.23	72.6	7.01	71.1	6.28
		45.6	77.8	8.68	77.2	8.19	76.8	7.81	76.1	7.49	76.1	7.27	74.4	6.50
	32	12.2	102.6	9.97	100.4	9.55	98.3	9.24	96.4	8.84	95.5	8.60	91.9	7.69
		15.2	103.2	10.00	101.0	9.57	98.8	9.26	96.9	8.87	96.1	8.62	92.4	7.71
		30.4	105.6	10.09	103.4	9.67	101.1	9.37	99.2	8.98	98.3	8.72	94.6	7.81
		38.0	107.2	10.09	105.0	9.67	102.7	9.37	100.7	8.98	99.8	8.72	95.9	7.81
		45.6	108.1	10.09	105.8	9.67	103.5	9.37	101.5	8.98	100.6	8.72	96.6	7.81
	41	12.2	149.7	10.72	146.1	10.32	142.8	10.05	139.5	9.63	134.1	9.36	127.6	8.38
		15.2	150.2	10.77	146.4	10.36	142.8	10.10	139.5	9.68	134.1	9.40	127.6	8.42
		30.4	152.2	10.96	147.6	10.55	142.9	10.31	139.5	9.88	134.1	9.59	127.6	8.59
		38.0	153.1	11.03	147.9	10.62	142.9	10.38	139.5	9.95	134.1	9.67	127.6	8.65
		45.6	153.5	11.06	148.1	10.66	142.9	10.41	139.5	9.99	134.1	9.70	127.6	8.68
	50	12.2	150.3	9.61	146.5	9.28	142.6	9.08	139.3	8.78	133.9	8.49	127.4	7.63
		15.2	150.8	9.63	146.9	9.31	142.8	9.11	139.5	8.79	134.1	8.48	127.6	7.64
		30.4	153.1	9.70	148.4	9.42	143.7	9.22	140.4	8.84	135.0	8.46	128.2	7.68
		38.0	154.0	9.70	149.1	9.42	144.2	9.19	140.7	8.81	135.3	8.49	128.6	7.76
		45.6	154.4	9.70	149.4	9.42	144.4	9.18	140.8	8.80	135.4	8.51	128.8	7.80
	59	12.2	150.7	8.50	146.8	8.27	142.5	8.13	139.1	7.93	133.7	7.61	127.3	6.90
		15.2	151.3	8.49	147.3	8.27	142.9	8.13	139.5	7.90	134.1	7.56	127.6	6.87
		30.4	153.8	8.45	149.4	8.27	144.5	8.13	141.2	7.78	135.9	7.33	128.8	6.75
		38.0	154.7	8.39	150.2	8.20	145.3	8.02	141.7	7.68	136.3	7.33	129.6	6.87
		45.6	155.2	8.36	150.6	8.16	145.7	7.97	141.9	7.62	136.4	7.33	130.0	6.93
	68	12.2	153.5	7.34	149.3	7.17	144.5	6.99	140.6	6.87	135.5	6.67	128.3	6.24
		15.2	154.3	7.36	149.8	7.17	144.9	6.99	141.2	6.87	135.9	6.64	128.8	6.23
		30.4	157.6	7.41	151.8	7.17	146.6	6.99	143.3	6.87	137.5	6.53	130.9	6.18
		38.0	158.5	7.41	153.1	7.17	147.4	6.99	143.7	6.75	138.3	6.53	131.2	6.18
		45.6	158.9	7.41	153.7	7.17	147.9	6.99	143.9	6.69	138.6	6.53	131.4	6.18
	77	12.2	158.3	6.68	153.6	6.43	147.4	6.33	144.2	6.09	139.1	5.87	131.7	5.38
		15.2	158.6	6.67	153.6	6.41	147.4	6.30	144.2	6.06	139.1	5.84	131.7	5.38
		30.4	159.9	6.62	153.6	6.30	147.4	6.18	144.2	5.96	139.1	5.72	131.7	5.38
		38.0	160.6	6.62	153.6	6.33	147.4	6.06	144.2	5.96	139.1	5.61	131.7	5.27
		45.6	161.0	6.62	153.6	6.34	147.4	6.00	144.2	5.96	139.1	5.56	131.7	5.22
	86	12.2	160.6	6.09	153.6	5.87	147.4	5.64	144.2	5.53	139.1	5.18	131.7	4.84
		15.2	160.6	6.06	153.6	5.84	147.4	5.61	144.2	5.50	139.1	5.15	131.7	4.81
		30.4	160.6	5.96	153.6	5.72	147.4	5.50	144.2	5.38	139.1	5.03	131.7	4.69
		38.0	160.6	5.91	153.6	5.61	147.4	5.38	144.2	5.27	139.1	5.03	131.7	4.69
		45.6	160.6	5.89	153.6	5.56	147.4	5.32	144.2	5.22	139.1	5.03	131.7	4.69
	95	12.2	160.6	5.78	153.6	5.40	147.4	5.18	144.2	4.96	139.1	4.72	131.7	4.37
		15.2	160.6	5.72	153.6	5.38	147.4	5.15	144.2	4.93	139.1	4.69	131.7	4.35
		30.4	160.6	5.50	153.6	5.27	147.4	5.03	144.2	4.81	139.1	4.58	131.7	4.24
		38.0	160.6	5.35	153.6	5.15	147.4	4.93	144.2	4.81	139.1	4.58	131.7	4.24
		45.6	160.6	5.28	153.6	5.09	147.4	4.87	144.2	4.81	139.1	4.58	131.7	4.24
	104	12.2	160.6	5.43	153.6	5.21	147.4	4.87	144.2	4.61	139.1	4.37	131.7	4.03
		15.2	160.6	5.38	153.6	5.15	147.4	4.81	144.2	4.58	139.1	4.35	131.7	4.00
		30.4	160.6	5.15	153.6	4.93	147.4	4.58	144.2	4.47	139.1	4.24	131.7	3.90
		38.0	160.6	5.08	153.6	4.81	147.4	4.58	144.2	4.35	139.1	4.12	131.7	3.78
		45.6	160.6	5.05	153.6	4.75	147.4	4.58	144.2	4.29	139.1	4.06	131.7	3.72
	113	12.2	160.6	5.09	153.6	5.01	147.4	4.55	144.2	4.27	139.1	4.03	131.7	3.69
		15.2	160.6	5.03	153.6	4.93	147.4	4.47	144.2	4.24	139.1	4.00	131.7	3.66
		30.4	160.6	4.81	153.6	4.58	147.4	4.12	144.2	4.12	139.1	3.90	131.7	3.55
		38.0	160.6	4.81	153.6	4.47	147.4	4.24	144.2	3.90	139.1	3.66	131.7	3.32
		45.6	160.6	4.81	153.6	4.41	147.4	4.30	144.2	3.78	139.1	3.54	131.7	3.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	12.2	54.3	7.29	53.9	6.87	53.7	6.31	53.2	6.04	52.7	5.77	51.7	5.25
		15.2	56.1	7.41	55.8	7.00	55.5	6.44	55.0	6.17	54.5	5.90	53.5	5.37
		30.4	63.5	7.91	63.2	7.52	62.8	6.99	62.2	6.69	61.7	6.41	60.7	5.83
		38.0	70.2	8.42	69.7	8.04	69.3	7.53	68.7	7.23	68.2	6.91	66.9	6.28
		45.6	73.6	8.68	73.0	8.31	72.6	7.81	72.0	7.49	71.5	7.16	70.1	6.50
	32	12.2	97.0	9.97	94.9	9.68	92.9	9.24	91.3	8.84	89.6	8.47	86.5	7.69
		15.2	97.6	10.00	95.4	9.70	93.4	9.26	91.8	8.87	90.2	8.49	87.0	7.71
		30.4	99.8	10.09	97.7	9.80	95.6	9.37	93.9	8.98	92.3	8.59	89.0	7.81
		38.0	101.3	10.09	99.2	9.80	97.1	9.37	95.3	8.98	93.7	8.59	90.4	7.81
		45.6	102.1	10.09	100.0	9.80	97.8	9.37	96.0	8.98	94.4	8.59	91.1	7.81
	41	12.2	143.2	10.72	138.4	10.46	134.8	10.05	132.1	9.63	125.8	9.21	120.1	8.38
		15.2	143.7	10.77	138.6	10.51	134.9	10.10	132.1	9.68	125.8	9.26	120.1	8.42
		30.4	145.7	10.96	139.6	10.70	135.0	10.31	132.1	9.88	125.8	9.45	120.1	8.59
		38.0	146.6	11.03	140.0	10.77	135.0	10.38	132.1	9.95	125.8	9.51	120.1	8.65
		45.6	147.0	11.06	140.2	10.80	135.0	10.41	132.1	9.99	125.8	9.54	120.1	8.68
	50	12.2	143.9	9.58	138.8	9.37	135.0	9.08	132.1	8.78	125.8	8.34	120.1	7.63
		15.2	144.3	9.63	139.0	9.40	135.0	9.11	132.1	8.79	125.8	8.35	120.1	7.64
		30.4	145.7	9.81	139.8	9.52	135.0	9.22	132.1	8.84	125.8	8.39	120.1	7.68
		38.0	146.7	9.77	140.4	9.52	135.0	9.19	132.1	8.81	125.8	8.36	120.1	7.64
		45.6	147.2	9.75	140.7	9.52	135.0	9.18	132.1	8.80	125.8	8.35	120.1	7.62
	59	12.2	144.7	8.45	139.4	8.31	135.0	8.13	132.1	7.93	125.8	7.47	120.1	6.90
		15.2	144.9	8.49	139.5	8.32	135.0	8.13	132.1	7.90	125.8	7.44	120.1	6.87
		30.4	145.7	8.66	139.9	8.34	135.0	8.13	132.1	7.78	125.8	7.33	120.1	6.75
		38.0	146.9	8.52	140.7	8.27	135.0	8.02	132.1	7.68	125.8	7.21	120.1	6.64
		45.6	147.6	8.44	141.0	8.23	135.0	7.97	132.1	7.62	125.8	7.15	120.1	6.59
	68	12.2	145.5	7.23	140.2	7.04	135.0	6.87	132.1	6.78	125.8	6.33	120.1	6.02
		15.2	146.1	7.26	140.3	7.05	135.0	6.87	132.1	6.75	125.8	6.30	120.1	5.96
		30.4	148.2	7.39	140.7	7.07	135.0	6.87	132.1	6.64	125.8	6.18	120.1	5.72
		38.0	149.1	7.26	141.9	7.01	135.0	6.75	132.1	6.53	125.8	6.06	120.1	5.61
		45.6	149.5	7.20	142.5	6.98	135.0	6.69	132.1	6.47	125.8	6.00	120.1	5.56
	77	12.2	147.3	6.32	142.4	6.12	135.0	5.87	132.1	5.64	125.8	5.30	120.1	4.81
		15.2	147.8	6.33	142.4	6.09	135.0	5.84	132.1	5.61	125.8	5.27	120.1	4.81
		30.4	149.9	6.35	142.4	5.96	135.0	5.72	132.1	5.50	125.8	5.15	120.1	4.81
		38.0	150.7	6.21	142.4	5.91	135.0	5.61	132.1	5.38	125.8	5.15	120.1	4.69
		45.6	151.1	6.14	142.4	5.89	135.0	5.56	132.1	5.32	125.8	5.15	120.1	4.63
	86	12.2	150.7	5.75	142.4	5.30	135.0	4.94	132.1	4.84	125.8	4.47	120.1	4.27
		15.2	150.7	5.72	142.4	5.27	135.0	4.93	132.1	4.81	125.8	4.47	120.1	4.24
		30.4	150.7	5.61	142.4	5.15	135.0	4.88	132.1	4.69	125.8	4.47	120.1	4.12
		38.0	150.7	5.50	142.4	5.15	135.0	4.81	132.1	4.69	125.8	4.35	120.1	4.12
		45.6	150.7	5.44	142.4	5.15	135.0	4.77	132.1	4.69	125.8	4.29	120.1	4.12
	95	12.2	150.7	5.33	142.4	4.87	135.0	4.36	132.1	4.27	125.8	4.03	120.1	3.69
		15.2	150.7	5.27	142.4	4.81	135.0	4.35	132.1	4.24	125.8	4.00	120.1	3.66
		30.4	150.7	5.03	142.4	4.58	135.0	4.30	132.1	4.12	125.8	3.90	120.1	3.55
		38.0	150.7	5.03	142.4	4.58	135.0	4.24	132.1	4.12	125.8	3.90	120.1	3.55
		45.6	150.7	5.03	142.4	4.58	135.0	4.21	132.1	4.12	125.8	3.90	120.1	3.55
	104	12.2	150.7	4.99	142.4	4.52	135.0	3.91	132.1	3.81	125.8	3.58	120.1	3.34
		15.2	150.7	4.93	142.4	4.47	135.0	3.90	132.1	3.78	125.8	3.55	120.1	3.32
		30.4	150.7	4.69	142.4	4.24	135.0	3.85	132.1	3.66	125.8	3.44	120.1	3.21
		38.0	150.7	4.58	142.4	4.24	135.0	3.78	132.1	3.66	125.8	3.44	120.1	3.21
		45.6	150.7	4.53	142.4	4.24	135.0	3.74	132.1	3.66	125.8	3.44	120.1	3.21
	113	12.2	150.7	4.64	142.4	4.18	135.0	3.45	132.1	3.34	125.8	3.12	120.1	3.00
		15.2	150.7	4.58	142.4	4.12	135.0	3.44	132.1	3.32	125.8	3.09	120.1	2.97
		30.4	150.7	4.35	142.4	3.90	135.0	3.39	132.1	3.21	125.8	2.97	120.1	2.87
		38.0	150.7	4.12	142.4	3.90	135.0	3.32	132.1	3.21	125.8	2.97	120.1	2.87
		45.6	150.7	4.01	142.4	3.90	135.0	3.28	132.1	3.21	125.8	2.97	120.1	2.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	12.2	51.2	6.77	49.6	6.16	48.2	5.41	47.8	5.16	47.5	4.97	46.6	4.46
		15.2	53.0	6.88	51.4	6.28	49.9	5.53	49.5	5.27	49.1	5.08	48.2	4.56
		30.4	60.0	7.34	58.1	6.74	56.4	6.01	56.0	5.72	55.6	5.52	54.5	4.95
		38.0	66.3	7.81	64.2	7.21	62.3	6.48	61.8	6.17	61.4	5.95	60.3	5.34
		45.6	69.5	8.04	67.2	7.45	65.3	6.72	64.7	6.40	64.3	6.16	63.2	5.54
	32	12.2	91.6	9.22	87.4	8.65	83.4	7.94	82.2	7.57	80.8	7.29	77.8	6.54
		15.2	92.2	9.24	87.9	8.67	83.9	7.96	82.6	7.59	81.3	7.31	78.2	6.56
		30.4	94.3	9.33	89.9	8.77	85.9	8.04	84.5	7.68	83.1	7.39	80.1	6.63
		38.0	95.7	9.33	91.3	8.77	87.3	8.04	85.8	7.68	84.5	7.39	81.4	6.63
		45.6	96.4	9.33	92.0	8.77	88.0	8.04	86.4	7.68	85.2	7.39	82.0	6.63
	41	12.2	129.5	9.89	125.3	9.34	121.3	8.64	118.8	8.24	113.5	7.93	108.1	7.12
		15.2	129.6	9.94	125.2	9.38	121.3	8.68	118.8	8.28	113.5	7.97	108.1	7.15
		30.4	130.1	10.12	124.8	9.56	121.3	8.85	118.8	8.45	113.5	8.14	108.1	7.30
		38.0	130.9	10.17	125.2	9.62	121.3	8.92	118.8	8.50	113.5	8.20	108.1	7.36
		45.6	131.2	10.20	125.4	9.65	121.3	8.95	118.8	8.53	113.5	8.23	108.1	7.39
	50	12.2	130.2	8.74	125.7	8.31	121.3	7.82	118.8	7.50	113.5	7.20	108.1	6.48
		15.2	130.1	8.74	125.6	8.32	121.3	7.83	118.8	7.51	113.5	7.19	108.1	6.49
		30.4	129.9	8.77	125.0	8.35	121.3	7.86	118.8	7.55	113.5	7.17	108.1	6.51
		38.0	130.7	8.74	125.3	8.33	121.3	7.84	118.8	7.52	113.5	7.19	108.1	6.54
		45.6	131.2	8.73	125.5	8.31	121.3	7.83	118.8	7.51	113.5	7.20	108.1	6.55
	59	12.2	130.8	7.56	126.2	7.29	121.3	7.02	118.8	6.78	113.5	6.46	108.1	5.87
		15.2	130.6	7.53	126.0	7.26	121.3	6.99	118.8	6.75	113.5	6.41	108.1	5.84
		30.4	129.7	7.41	125.1	7.14	121.3	6.87	118.8	6.64	113.5	6.18	108.1	5.72
		38.0	130.6	7.31	125.5	7.04	121.3	6.75	118.8	6.53	113.5	6.18	108.1	5.72
		45.6	131.0	7.25	125.6	6.98	121.3	6.69	118.8	6.47	113.5	6.18	108.1	5.72
	68	12.2	131.6	6.38	126.7	6.20	121.3	5.99	118.8	5.75	113.5	5.55	108.1	5.21
		15.2	131.5	6.38	126.5	6.18	121.3	5.96	118.8	5.72	113.5	5.50	108.1	5.15
		30.4	131.0	6.38	125.5	6.11	121.3	5.84	118.8	5.61	113.5	5.27	108.1	4.93
		38.0	131.4	6.28	125.8	6.06	121.3	5.84	118.8	5.61	113.5	5.27	108.1	4.93
		45.6	131.5	6.22	126.0	6.04	121.3	5.84	118.8	5.61	113.5	5.27	108.1	4.93
	77	12.2	133.8	5.58	128.3	5.28	121.3	5.06	118.8	4.81	113.5	4.61	108.1	4.27
		15.2	134.1	5.57	128.3	5.27	121.3	5.03	118.8	4.81	113.5	4.58	108.1	4.24
		30.4	135.4	5.52	128.3	5.22	121.3	4.93	118.8	4.81	113.5	4.47	108.1	4.12
		38.0	135.9	5.38	128.3	5.11	121.3	4.93	118.8	4.69	113.5	4.47	108.1	4.12
		45.6	136.1	5.31	128.3	5.05	121.3	4.93	118.8	4.63	113.5	4.47	108.1	4.12
	86	12.2	135.9	5.06	128.3	4.72	121.3	4.37	118.8	4.27	113.5	4.03	108.1	3.66
		15.2	135.9	5.03	128.3	4.69	121.3	4.35	118.8	4.24	113.5	4.00	108.1	3.66
		30.4	135.9	4.93	128.3	4.58	121.3	4.24	118.8	4.12	113.5	3.90	108.1	3.66
		38.0	135.9	4.81	128.3	4.47	121.3	4.24	118.8	4.12	113.5	3.90	108.1	3.55
		45.6	135.9	4.75	128.3	4.41	121.3	4.24	118.8	4.12	113.5	3.90	108.1	3.50
	95	12.2	135.9	4.61	128.3	4.27	121.3	3.93	118.8	3.81	113.5	3.58	108.1	3.34
		15.2	135.9	4.58	128.3	4.24	121.3	3.90	118.8	3.78	113.5	3.55	108.1	3.32
		30.4	135.9	4.47	128.3	4.12	121.3	3.78	118.8	3.66	113.5	3.44	108.1	3.21
		38.0	135.9	4.35	128.3	4.00	121.3	3.66	118.8	3.55	113.5	3.44	108.1	3.21
		45.6	135.9	4.29	128.3	3.94	121.3	3.60	118.8	3.50	113.5	3.44	108.1	3.21
	104	12.2	135.9	4.30	128.3	3.93	121.3	3.46	118.8	3.34	113.5	3.24	108.1	3.00
		15.2	135.9	4.24	128.3	3.90	121.3	3.44	118.8	3.32	113.5	3.21	108.1	2.97
		30.4	135.9	4.00	128.3	3.78	121.3	3.32	118.8	3.21	113.5	3.09	108.1	2.87
		38.0	135.9	4.00	128.3	3.78	121.3	3.32	118.8	3.21	113.5	3.09	108.1	2.87
		45.6	135.9	4.00	128.3	3.78	121.3	3.32	118.8	3.21	113.5	3.09	108.1	2.87
	113	12.2	135.9	3.98	128.3	3.58	121.3	3.00	118.8	2.90	113.5	2.90	108.1	2.66
		15.2	135.9	3.90	128.3	3.55	121.3	2.97	118.8	2.87	113.5	2.87	108.1	2.63
		30.4	135.9	3.55	128.3	3.44	121.3	2.87	118.8	2.75	113.5	2.75	108.1	2.52
		38.0	135.9	3.66	128.3	3.55	121.3	2.97	118.8	2.87	113.5	2.75	108.1	2.52
		45.6	135.9	3.71	128.3	3.61	121.3	3.03	118.8	2.93	113.5	2.75	108.1	2.52

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	12.2	48.5	4.82	45.4	4.64	43.0	4.44	42.5	4.29	42.2	4.09	41.4	3.77
		15.2	50.1	4.93	47.0	4.74	44.5	4.54	44.0	4.38	43.7	4.18	42.8	3.85
		30.4	56.6	5.35	53.1	5.14	50.2	4.92	49.7	4.75	49.5	4.54	48.5	4.17
		38.0	62.7	5.77	58.6	5.54	55.5	5.31	54.9	5.13	54.6	4.89	53.5	4.50
		45.6	65.7	5.98	61.4	5.75	58.2	5.50	57.5	5.32	57.2	5.07	56.0	4.67
	32	12.2	86.5	7.07	79.8	6.79	74.3	6.51	72.9	6.28	71.9	5.99	69.2	5.52
		15.2	87.0	7.10	80.2	6.81	74.7	6.53	73.3	6.30	72.3	6.01	69.6	5.53
		30.4	89.2	7.18	82.1	6.89	76.5	6.60	75.1	6.37	74.1	6.08	71.2	5.59
		38.0	90.4	7.18	83.4	6.89	77.7	6.60	76.2	6.37	75.2	6.08	72.3	5.59
		45.6	91.1	7.18	84.0	6.89	78.4	6.60	76.8	6.37	75.8	6.08	72.9	5.59
	41	12.2	119.7	7.69	112.9	7.40	108.0	7.07	105.6	6.83	101.1	6.52	96.1	6.00
		15.2	119.9	7.73	113.1	7.44	108.0	7.11	105.6	6.87	101.1	6.55	96.1	6.03
		30.4	120.9	7.90	114.0	7.58	108.1	7.26	105.6	7.01	101.1	6.68	96.1	6.16
		38.0	120.9	7.95	113.9	7.64	108.1	7.31	105.6	7.06	101.1	6.73	96.1	6.19
		45.6	120.9	7.97	113.8	7.67	108.1	7.33	105.6	7.08	101.1	6.75	96.1	6.21
	50	12.2	120.3	7.08	113.4	6.76	108.0	6.42	105.6	6.24	101.1	5.91	96.1	5.47
		15.2	120.4	7.07	113.5	6.75	108.0	6.42	105.6	6.24	101.1	5.91	96.1	5.47
		30.4	120.9	7.04	114.0	6.72	108.1	6.43	105.6	6.25	101.1	5.92	96.1	5.48
		38.0	120.9	7.01	113.9	6.74	108.1	6.46	105.6	6.22	101.1	5.89	96.1	5.45
		45.6	120.9	7.00	113.8	6.75	108.1	6.47	105.6	6.20	101.1	5.87	96.1	5.43
	59	12.2	120.9	6.46	113.9	6.12	108.1	5.75	105.6	5.64	101.1	5.30	96.1	4.96
		15.2	120.9	6.41	113.9	6.06	108.1	5.72	105.6	5.61	101.1	5.27	96.1	4.93
		30.4	120.9	6.18	113.9	5.84	108.1	5.61	105.6	5.50	101.1	5.15	96.1	4.81
		38.0	120.9	6.06	113.9	5.84	108.1	5.61	105.6	5.38	101.1	5.03	96.1	4.69
		45.6	120.9	6.00	113.9	5.84	108.1	5.61	105.6	5.32	101.1	4.97	96.1	4.63
	68	12.2	120.9	5.40	113.9	5.18	108.1	4.93	105.6	4.84	101.1	4.61	96.1	4.27
		15.2	120.9	5.38	113.9	5.15	108.1	4.93	105.6	4.81	101.1	4.58	96.1	4.24
		30.4	120.9	5.27	113.9	5.03	108.1	4.93	105.6	4.69	101.1	4.47	96.1	4.12
		38.0	120.9	5.15	113.9	4.93	108.1	4.81	105.6	4.69	101.1	4.35	96.1	4.12
		45.6	120.9	5.09	113.9	4.87	108.1	4.75	105.6	4.69	101.1	4.29	96.1	4.12
	77	12.2	120.9	4.84	113.9	4.50	108.1	4.24	105.6	4.15	101.1	3.93	96.1	3.69
		15.2	120.9	4.81	113.9	4.47	108.1	4.24	105.6	4.12	101.1	3.90	96.1	3.66
		30.4	120.9	4.69	113.9	4.35	108.1	4.24	105.6	4.00	101.1	3.78	96.1	3.55
		38.0	120.9	4.58	113.9	4.35	108.1	4.12	105.6	4.00	101.1	3.78	96.1	3.55
		45.6	120.9	4.53	113.9	4.35	108.1	4.06	105.6	4.00	101.1	3.78	96.1	3.55
	86	12.2	120.9	4.27	113.9	4.03	108.1	3.81	105.6	3.69	101.1	3.46	96.1	3.24
		15.2	120.9	4.24	113.9	4.00	108.1	3.78	105.6	3.66	101.1	3.44	96.1	3.21
		30.4	120.9	4.12	113.9	3.90	108.1	3.66	105.6	3.55	101.1	3.32	96.1	3.09
		38.0	120.9	4.12	113.9	3.90	108.1	3.66	105.6	3.55	101.1	3.32	96.1	3.09
		45.6	120.9	4.12	113.9	3.90	108.1	3.66	105.6	3.55	101.1	3.32	96.1	3.09
	95	12.2	120.9	3.93	113.9	3.69	108.1	3.34	105.6	3.21	101.1	3.12	96.1	2.87
		15.2	120.9	3.90	113.9	3.66	108.1	3.32	105.6	3.21	101.1	3.09	96.1	2.87
		30.4	120.9	3.78	113.9	3.55	108.1	3.21	105.6	3.21	101.1	2.97	96.1	2.87
		38.0	120.9	3.78	113.9	3.44	108.1	3.21	105.6	3.09	101.1	2.97	96.1	2.75
		45.6	120.9	3.78	113.9	3.38	108.1	3.21	105.6	3.03	101.1	2.97	96.1	2.69
	104	12.2	120.9	3.72	113.9	3.34	108.1	2.97	105.6	3.00	101.1	2.75	96.1	2.66
		15.2	120.9	3.66	113.9	3.32	108.1	2.97	105.6	2.97	101.1	2.75	96.1	2.63
		30.4	120.9	3.44	113.9	3.21	108.1	2.97	105.6	2.87	101.1	2.75	96.1	2.52
		38.0	120.9	3.44	113.9	3.21	108.1	2.87	105.6	2.87	101.1	2.75	96.1	2.52
		45.6	120.9	3.44	113.9	3.21	108.1	2.81	105.6	2.87	101.1	2.75	96.1	2.52
	113	12.2	120.9	3.52	113.9	3.00	108.1	2.60	105.6	2.80	101.1	2.37	96.1	2.46
		15.2	120.9	3.44	113.9	2.97	108.1	2.63	105.6	2.75	101.1	2.40	96.1	2.40
		30.4	120.9	3.09	113.9	2.87	108.1	2.75	105.6	2.52	101.1	2.52	96.1	2.18
		38.0	120.9	3.09	113.9	2.97	108.1	2.52	105.6	2.63	101.1	2.52	96.1	2.29
		45.6	120.9	3.09	113.9	3.03	108.1	2.41	105.6	2.68	101.1	2.52	96.1	2.34

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN121DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	12.2	42.2	4.14	39.7	3.94	37.5	3.81	37.2	3.59	36.9	3.47	36.3	3.15
		15.2	43.7	4.23	41.1	4.03	38.8	3.90	38.4	3.67	38.2	3.54	37.5	3.22
		30.4	49.5	4.58	46.5	4.37	43.8	4.23	43.5	3.98	43.2	3.84	42.4	3.49
		38.0	54.8	4.95	51.4	4.71	48.5	4.56	48.1	4.29	47.7	4.15	46.8	3.77
		45.6	57.4	5.14	53.8	4.89	50.8	4.73	50.4	4.44	50.0	4.30	49.1	3.90
	32	12.2	75.7	6.06	69.9	5.78	64.9	5.58	63.8	5.26	62.8	5.08	60.6	4.62
		15.2	76.1	6.08	70.3	5.79	65.3	5.60	64.2	5.27	63.2	5.09	60.9	4.63
		30.4	77.9	6.15	72.0	5.85	66.8	5.67	65.7	5.33	64.7	5.15	62.3	4.68
		38.0	79.0	6.15	73.1	5.85	67.8	5.67	66.7	5.33	65.7	5.15	63.3	4.68
		45.6	79.6	6.15	73.7	5.85	68.3	5.67	67.2	5.33	66.2	5.15	63.8	4.68
	41	12.2	104.5	6.60	99.0	6.28	94.3	6.08	92.3	5.73	88.2	5.53	84.0	5.02
		15.2	104.7	6.63	99.2	6.31	94.3	6.11	92.3	5.76	88.2	5.56	84.0	5.05
		30.4	105.6	6.76	100.0	6.44	94.4	6.24	92.3	5.86	88.2	5.67	84.0	5.15
		38.0	105.6	6.81	99.8	6.49	94.4	6.29	92.3	5.91	88.2	5.71	84.0	5.19
		45.6	105.6	6.83	99.8	6.51	94.4	6.31	92.3	5.93	88.2	5.73	84.0	5.21
	50	12.2	105.0	6.08	99.4	5.74	94.4	5.53	92.3	5.22	88.2	5.01	84.0	4.58
		15.2	105.1	6.06	99.5	5.73	94.4	5.52	92.3	5.22	88.2	5.01	84.0	4.58
		30.4	105.6	6.02	99.8	5.69	94.4	5.47	92.3	5.22	88.2	5.01	84.0	4.58
		38.0	105.6	6.04	99.8	5.71	94.4	5.50	92.3	5.25	88.2	4.97	84.0	4.60
		45.6	105.6	6.05	99.8	5.72	94.4	5.51	92.3	5.26	88.2	4.96	84.0	4.60
	59	12.2	105.6	5.55	99.8	5.21	94.4	4.99	92.3	4.72	88.2	4.50	84.0	4.15
		15.2	105.6	5.50	99.8	5.15	94.4	4.93	92.3	4.69	88.2	4.47	84.0	4.12
		30.4	105.6	5.27	99.8	4.93	94.4	4.69	92.3	4.58	88.2	4.35	84.0	4.00
		38.0	105.6	5.27	99.8	4.93	94.4	4.69	92.3	4.58	88.2	4.24	84.0	4.00
		45.6	105.6	5.27	99.8	4.93	94.4	4.69	92.3	4.58	88.2	4.19	84.0	4.00
	68	12.2	105.6	4.61	99.8	4.37	94.4	4.27	92.3	4.15	88.2	3.93	84.0	3.69
		15.2	105.6	4.58	99.8	4.35	94.4	4.24	92.3	4.12	88.2	3.90	84.0	3.66
		30.4	105.6	4.47	99.8	4.24	94.4	4.12	92.3	4.00	88.2	3.78	84.0	3.55
		38.0	105.6	4.47	99.8	4.24	94.4	4.12	92.3	3.90	88.2	3.78	84.0	3.44
		45.6	105.6	4.47	99.8	4.24	94.4	4.12	92.3	3.84	88.2	3.78	84.0	3.38
	77	12.2	105.6	4.15	99.8	3.93	94.4	3.69	92.3	3.58	88.2	3.32	84.0	3.09
		15.2	105.6	4.12	99.8	3.90	94.4	3.66	92.3	3.55	88.2	3.32	84.0	3.09
		30.4	105.6	4.00	99.8	3.78	94.4	3.55	92.3	3.44	88.2	3.32	84.0	3.09
		38.0	105.6	3.90	99.8	3.66	94.4	3.55	92.3	3.44	88.2	3.21	84.0	3.09
		45.6	105.6	3.84	99.8	3.60	94.4	3.55	92.3	3.44	88.2	3.16	84.0	3.09
	86	12.2	105.6	3.69	99.8	3.46	94.4	3.24	92.3	3.09	88.2	3.00	84.0	2.75
		15.2	105.6	3.66	99.8	3.44	94.4	3.21	92.3	3.09	88.2	2.97	84.0	2.75
		30.4	105.6	3.55	99.8	3.32	94.4	3.09	92.3	3.09	88.2	2.87	84.0	2.75
		38.0	105.6	3.55	99.8	3.32	94.4	3.09	92.3	2.97	88.2	2.87	84.0	2.75
		45.6	105.6	3.55	99.8	3.32	94.4	3.09	92.3	2.91	88.2	2.87	84.0	2.75
	95	12.2	105.6	3.34	99.8	3.12	94.4	2.87	92.3	2.90	88.2	2.63	84.0	2.55
		15.2	105.6	3.32	99.8	3.09	94.4	2.87	92.3	2.87	88.2	2.63	84.0	2.52
		30.4	105.6	3.21	99.8	2.97	94.4	2.87	92.3	2.75	88.2	2.63	84.0	2.40
		38.0	105.6	3.21	99.8	2.97	94.4	2.75	92.3	2.75	88.2	2.63	84.0	2.40
		45.6	105.6	3.21	99.8	2.97	94.4	2.69	92.3	2.75	88.2	2.63	84.0	2.40
	104	12.2	105.6	3.12	99.8	2.90	94.4	2.66	92.3	2.52	88.2	2.40	84.0	2.31
		15.2	105.6	3.09	99.8	2.87	94.4	2.63	92.3	2.52	88.2	2.40	84.0	2.29
		30.4	105.6	2.97	99.8	2.75	94.4	2.52	92.3	2.52	88.2	2.40	84.0	2.18
		38.0	105.6	2.97	99.8	2.75	94.4	2.52	92.3	2.40	88.2	2.29	84.0	2.18
		45.6	105.6	2.97	99.8	2.75	94.4	2.52	92.3	2.34	88.2	2.23	84.0	2.18
	113	12.2	105.6	2.90	99.8	2.66	94.4	2.46	92.3	2.15	88.2	2.18	84.0	2.09
		15.2	105.6	2.87	99.8	2.63	94.4	2.40	92.3	2.18	88.2	2.18	84.0	2.06
		30.4	105.6	2.75	99.8	2.52	94.4	2.18	92.3	2.29	88.2	2.18	84.0	1.94
		38.0	105.6	2.75	99.8	2.52	94.4	2.29	92.3	2.06	88.2	1.94	84.0	1.94
		45.6	105.6	2.75	99.8	2.52	94.4	2.34	92.3	1.95	88.2	1.82	84.0	1.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN072DAS4, ARWB121DAS4

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	12.2	36.3	3.36	34.0	3.23	32.2	3.11	31.8	2.89	31.7	2.84	31.1	2.54
		15.2	37.5	3.44	35.2	3.30	33.3	3.17	32.9	2.95	32.8	2.90	32.1	2.59
		30.4	42.6	3.73	39.8	3.59	37.7	3.45	37.3	3.20	37.2	3.15	36.4	2.82
		38.0	47.0	4.02	44.0	3.87	41.7	3.72	41.2	3.46	41.1	3.40	40.2	3.03
		45.6	49.2	4.16	46.0	4.02	43.7	3.86	43.2	3.59	43.0	3.52	42.1	3.14
	32	12.2	64.9	4.92	59.8	4.75	55.8	4.55	54.7	4.23	53.9	4.17	52.0	3.72
		15.2	65.3	4.94	60.2	4.76	56.1	4.56	55.0	4.24	54.3	4.18	52.2	3.73
		30.4	66.8	5.00	61.5	4.81	57.5	4.62	56.3	4.29	55.5	4.23	53.4	3.77
		38.0	67.8	5.00	62.5	4.81	58.4	4.62	57.1	4.29	56.4	4.23	54.3	3.77
		45.6	68.3	5.00	63.0	4.81	58.8	4.62	57.6	4.29	56.8	4.23	54.7	3.77
	41	12.2	89.7	5.36	84.6	5.16	81.1	4.95	79.1	4.61	75.7	4.54	72.1	4.04
		15.2	89.9	5.39	84.8	5.19	81.1	4.97	79.1	4.63	75.7	4.56	72.1	4.06
		30.4	90.7	5.50	85.4	5.29	81.1	5.08	79.1	4.73	75.7	4.66	72.1	4.15
		38.0	90.7	5.54	85.3	5.33	81.1	5.12	79.1	4.76	75.7	4.68	72.1	4.18
		45.6	90.7	5.57	85.2	5.35	81.1	5.13	79.1	4.78	75.7	4.69	72.1	4.20
	50	12.2	90.2	4.93	84.9	4.71	81.1	4.49	79.1	4.19	75.7	4.11	72.1	3.69
		15.2	90.3	4.93	85.0	4.71	81.1	4.49	79.1	4.20	75.7	4.11	72.1	3.70
		30.4	90.7	4.93	85.4	4.71	81.1	4.49	79.1	4.25	75.7	4.10	72.1	3.73
		38.0	90.7	4.94	85.3	4.67	81.1	4.44	79.1	4.20	75.7	4.06	72.1	3.70
		45.6	90.7	4.95	85.2	4.64	81.1	4.42	79.1	4.18	75.7	4.04	72.1	3.68
	59	12.2	90.7	4.50	85.3	4.27	81.1	4.03	79.1	3.78	75.7	3.69	72.1	3.32
		15.2	90.7	4.47	85.3	4.24	81.1	4.00	79.1	3.78	75.7	3.66	72.1	3.32
		30.4	90.7	4.35	85.3	4.12	81.1	3.90	79.1	3.78	75.7	3.55	72.1	3.32
		38.0	90.7	4.35	85.3	4.00	81.1	3.78	79.1	3.66	75.7	3.44	72.1	3.21
		45.6	90.7	4.35	85.3	3.94	81.1	3.72	79.1	3.60	75.7	3.38	72.1	3.16
	68	12.2	90.7	3.93	85.3	3.69	81.1	3.46	79.1	3.34	75.7	3.24	72.1	3.00
		15.2	90.7	3.90	85.3	3.66	81.1	3.44	79.1	3.32	75.7	3.21	72.1	2.97
		30.4	90.7	3.78	85.3	3.55	81.1	3.32	79.1	3.21	75.7	3.09	72.1	2.87
		38.0	90.7	3.78	85.3	3.55	81.1	3.32	79.1	3.21	75.7	3.09	72.1	2.87
		45.6	90.7	3.78	85.3	3.55	81.1	3.32	79.1	3.21	75.7	3.09	72.1	2.87
	77	12.2	90.7	3.46	85.3	3.24	81.1	2.97	79.1	3.00	75.7	2.75	72.1	2.66
		15.2	90.7	3.44	85.3	3.21	81.1	2.97	79.1	2.97	75.7	2.75	72.1	2.63
		30.4	90.7	3.32	85.3	3.09	81.1	2.97	79.1	2.87	75.7	2.75	72.1	2.52
		38.0	90.7	3.32	85.3	3.09	81.1	2.87	79.1	2.87	75.7	2.75	72.1	2.52
		45.6	90.7	3.32	85.3	3.09	81.1	2.81	79.1	2.87	75.7	2.75	72.1	2.52
	86	12.2	90.7	3.12	85.3	2.90	81.1	2.78	79.1	2.66	75.7	2.55	72.1	2.43
		15.2	90.7	3.09	85.3	2.87	81.1	2.75	79.1	2.63	75.7	2.52	72.1	2.40
		30.4	90.7	2.97	85.3	2.75	81.1	2.63	79.1	2.52	75.7	2.40	72.1	2.29
		38.0	90.7	2.97	85.3	2.75	81.1	2.63	79.1	2.52	75.7	2.40	72.1	2.29
		45.6	90.7	2.97	85.3	2.75	81.1	2.63	79.1	2.52	75.7	2.40	72.1	2.29
	95	12.2	90.7	2.75	85.3	2.66	81.1	2.40	79.1	2.43	75.7	2.31	72.1	2.21
		15.2	90.7	2.75	85.3	2.63	81.1	2.40	79.1	2.40	75.7	2.29	72.1	2.18
		30.4	90.7	2.75	85.3	2.52	81.1	2.40	79.1	2.29	75.7	2.18	72.1	2.06
		38.0	90.7	2.75	85.3	2.52	81.1	2.29	79.1	2.29	75.7	2.18	72.1	2.06
		45.6	90.7	2.75	85.3	2.52	81.1	2.23	79.1	2.29	75.7	2.18	72.1	2.06
	104	12.2	90.7	2.52	85.3	2.43	81.1	2.18	79.1	2.21	75.7	2.09	72.1	1.94
		15.2	90.7	2.52	85.3	2.40	81.1	2.18	79.1	2.18	75.7	2.06	72.1	1.94
		30.4	90.7	2.52	85.3	2.29	81.1	2.18	79.1	2.06	75.7	1.94	72.1	1.94
		38.0	90.7	2.52	85.3	2.29	81.1	2.18	79.1	2.06	75.7	1.94	72.1	1.94
		45.6	90.7	2.52	85.3	2.29	81.1	2.18	79.1	2.06	75.7	1.94	72.1	1.94
	113	12.2	90.7	2.29	85.3	2.21	81.1	1.94	79.1	1.97	75.7	1.87	72.1	1.69
		15.2	90.7	2.29	85.3	2.18	81.1	1.94	79.1	1.94	75.7	1.84	72.1	1.72
		30.4	90.7	2.29	85.3	2.06	81.1	1.94	79.1	1.84	75.7	1.72	72.1	1.84
		38.0	90.7	2.29	85.3	2.06	81.1	2.06	79.1	1.84	75.7	1.72	72.1	1.84
		45.6	90.7	2.29	85.3	2.06	81.1	2.12	79.1	1.84	75.7	1.72	72.1	1.84

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN121DAS4, ARWB121DAS4

Heating Capacity

121,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	12.2	30.3	2.68	28.4	2.54	26.8	2.40	26.5	2.27	26.3	2.13	25.9	2.02
		15.2	31.3	2.74	29.4	2.59	27.8	2.45	27.4	2.32	27.3	2.18	26.7	2.06
		30.4	35.3	2.96	33.2	2.82	31.4	2.65	31.0	2.52	30.9	2.37	30.3	2.23
		38.0	39.1	3.20	36.7	3.03	34.7	2.87	34.3	2.72	34.0	2.55	33.5	2.40
		45.6	41.0	3.32	38.4	3.14	36.3	2.97	35.9	2.83	35.6	2.64	35.2	2.49
	32	12.2	53.9	3.92	49.9	3.72	46.4	3.51	45.4	3.33	44.8	3.13	43.2	2.95
		15.2	54.3	3.93	50.2	3.73	46.7	3.52	45.7	3.34	45.1	3.14	43.5	2.96
		30.4	55.5	3.97	51.4	3.77	47.8	3.57	46.8	3.39	46.2	3.17	44.5	3.00
		38.0	56.4	3.97	52.1	3.77	48.5	3.57	47.6	3.39	46.8	3.17	45.2	3.00
		45.6	56.8	3.97	52.5	3.77	48.8	3.57	48.0	3.39	47.2	3.17	45.6	3.00
	41	12.2	74.6	4.27	70.7	4.04	67.4	3.82	65.8	3.63	62.9	3.41	60.0	3.20
		15.2	74.7	4.29	70.8	4.06	67.4	3.84	65.8	3.65	62.9	3.42	60.0	3.22
		30.4	75.3	4.37	71.3	4.15	67.6	3.92	65.8	3.72	62.9	3.48	60.0	3.29
		38.0	75.3	4.41	71.2	4.18	67.6	3.94	65.8	3.74	62.9	3.52	60.0	3.32
		45.6	75.3	4.42	71.1	4.20	67.6	3.96	65.8	3.75	62.9	3.54	60.0	3.33
	50	12.2	75.0	3.93	70.9	3.70	67.4	3.48	65.8	3.32	62.9	3.07	60.0	2.93
		15.2	75.1	3.92	71.0	3.70	67.4	3.47	65.8	3.32	62.9	3.08	60.0	2.93
		30.4	75.3	3.90	71.3	3.68	67.6	3.45	65.8	3.29	62.9	3.12	60.0	2.90
		38.0	75.3	3.92	71.2	3.70	67.6	3.46	65.8	3.30	62.9	3.07	60.0	2.91
		45.6	75.3	3.93	71.1	3.70	67.6	3.46	65.8	3.31	62.9	3.04	60.0	2.92
	59	12.2	75.3	3.58	71.2	3.34	67.6	3.12	65.8	3.00	62.9	2.75	60.0	2.66
		15.2	75.3	3.55	71.2	3.32	67.6	3.09	65.8	2.97	62.9	2.75	60.0	2.63
		30.4	75.3	3.44	71.2	3.21	67.6	2.97	65.8	2.87	62.9	2.75	60.0	2.52
		38.0	75.3	3.44	71.2	3.21	67.6	2.97	65.8	2.87	62.9	2.63	60.0	2.52
		45.6	75.3	3.44	71.2	3.21	67.6	2.97	65.8	2.87	62.9	2.57	60.0	2.52
	68	12.2	75.3	3.12	71.2	2.90	67.6	2.78	65.8	2.66	62.9	2.55	60.0	2.29
		15.2	75.3	3.09	71.2	2.87	67.6	2.75	65.8	2.63	62.9	2.52	60.0	2.29
		30.4	75.3	2.97	71.2	2.75	67.6	2.63	65.8	2.52	62.9	2.40	60.0	2.29
		38.0	75.3	2.97	71.2	2.75	67.6	2.63	65.8	2.52	62.9	2.40	60.0	2.29
		45.6	75.3	2.97	71.2	2.75	67.6	2.63	65.8	2.52	62.9	2.40	60.0	2.29
	77	12.2	75.3	2.78	71.2	2.52	67.6	2.43	65.8	2.29	62.9	2.18	60.0	2.06
		15.2	75.3	2.75	71.2	2.52	67.6	2.40	65.8	2.29	62.9	2.18	60.0	2.06
		30.4	75.3	2.63	71.2	2.52	67.6	2.29	65.8	2.29	62.9	2.18	60.0	2.06
		38.0	75.3	2.63	71.2	2.52	67.6	2.29	65.8	2.29	62.9	2.18	60.0	2.06
		45.6	75.3	2.63	71.2	2.52	67.6	2.29	65.8	2.29	62.9	2.18	60.0	2.06
	86	12.2	75.3	2.55	71.2	2.31	67.6	2.21	65.8	2.06	62.9	2.09	60.0	1.97
		15.2	75.3	2.52	71.2	2.29	67.6	2.18	65.8	2.06	62.9	2.06	60.0	1.94
		30.4	75.3	2.40	71.2	2.18	67.6	2.06	65.8	2.06	62.9	1.94	60.0	1.84
		38.0	75.3	2.40	71.2	2.18	67.6	2.06	65.8	2.06	62.9	1.94	60.0	1.84
		45.6	75.3	2.40	71.2	2.18	67.6	2.06	65.8	2.06	62.9	1.94	60.0	1.84
	95	12.2	75.3	2.31	71.2	2.06	67.6	1.94	65.8	1.97	62.9	1.84	60.0	1.72
		15.2	75.3	2.29	71.2	2.06	67.6	1.94	65.8	1.94	62.9	1.84	60.0	1.72
		30.4	75.3	2.18	71.2	2.06	67.6	1.94	65.8	1.84	62.9	1.84	60.0	1.72
		38.0	75.3	2.18	71.2	2.06	67.6	1.94	65.8	1.84	62.9	1.84	60.0	1.72
		45.6	75.3	2.18	71.2	2.06	67.6	1.94	65.8	1.84	62.9	1.84	60.0	1.72
	104	12.2	75.3	2.09	71.2	1.97	67.6	1.87	65.8	1.72	62.9	1.75	60.0	1.60
		15.2	75.3	2.06	71.2	1.94	67.6	1.84	65.8	1.72	62.9	1.72	60.0	1.60
		30.4	75.3	1.94	71.2	1.84	67.6	1.72	65.8	1.72	62.9	1.60	60.0	1.60
		38.0	75.3	1.94	71.2	1.84	67.6	1.72	65.8	1.72	62.9	1.60	60.0	1.60
		45.6	75.3	1.94	71.2	1.84	67.6	1.72	65.8	1.72	62.9	1.60	60.0	1.60
	113	12.2	75.3	1.87	71.2	1.90	67.6	1.77	65.8	1.47	62.9	1.66	60.0	1.49
		15.2	75.3	1.84	71.2	1.84	67.6	1.72	65.8	1.49	62.9	1.60	60.0	1.49
		30.4	75.3	1.72	71.2	1.60	67.6	1.49	65.8	1.60	62.9	1.37	60.0	1.49
		38.0	75.3	1.72	71.2	1.60	67.6	1.49	65.8	1.60	62.9	1.37	60.0	1.49
		45.6	75.3	1.72	71.2	1.60	67.6	1.49	65.8	1.60	62.9	1.37	60.0	1.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	14.2	76.6	8.75	76.1	8.24	75.6	7.67	74.6	7.45	75.5	7.25	73.4	6.50
		17.8	79.3	8.91	78.7	8.40	78.2	7.84	77.2	7.61	78.1	7.41	76.0	6.64
		35.5	89.7	9.51	88.9	9.04	88.5	8.50	87.3	8.26	88.3	8.03	86.0	7.21
		44.4	99.2	10.12	98.3	9.66	97.7	9.17	96.4	8.92	97.7	8.66	95.1	7.77
		53.3	103.9	10.42	103.0	9.97	102.3	9.50	101.1	9.26	102.4	8.98	99.6	8.05
	32	14.2	136.9	11.97	133.8	11.62	130.9	11.24	128.1	10.92	128.5	10.62	122.7	9.51
		17.8	137.7	12.01	134.6	11.65	131.7	11.27	128.8	10.95	129.3	10.65	123.4	9.54
		35.5	141.1	12.14	137.6	11.76	134.7	11.40	131.9	11.08	132.3	10.77	126.4	9.66
		44.4	143.2	12.14	139.7	11.76	136.8	11.40	133.8	11.08	134.3	10.77	128.2	9.66
		53.3	144.2	12.14	140.8	11.76	137.9	11.40	134.8	11.08	135.3	10.77	129.2	9.66
	41	14.2	197.2	12.87	194.2	12.55	190.1	12.23	185.4	11.89	180.4	11.56	170.4	10.35
		17.8	197.9	12.93	194.6	12.61	190.2	12.29	185.4	11.95	180.4	11.62	170.4	10.41
		35.5	200.6	13.16	195.9	12.84	190.3	12.54	185.4	12.19	180.4	11.85	170.4	10.62
		44.4	201.8	13.25	196.5	12.93	190.3	12.63	185.4	12.28	180.4	11.93	170.4	10.70
		53.3	202.4	13.29	196.8	12.97	190.3	12.67	185.4	12.32	180.4	11.98	170.4	10.73
	50	14.2	197.4	11.71	194.2	11.32	189.6	11.11	184.6	10.86	179.7	10.49	169.8	9.46
		17.8	198.6	11.69	195.2	11.33	190.3	11.13	185.4	10.85	180.4	10.48	170.4	9.46
		35.5	203.3	11.60	198.8	11.37	193.3	11.21	188.4	10.84	183.1	10.45	173.2	9.43
		44.4	204.3	11.76	200.1	11.53	194.6	11.26	189.3	10.88	184.3	10.62	174.2	9.87
		53.3	204.9	11.84	200.8	11.61	195.2	11.28	189.7	10.90	184.9	10.71	174.7	10.10
	59	14.2	197.7	10.56	194.3	10.10	188.8	10.00	183.8	9.83	179.0	9.41	169.1	8.58
		17.8	199.4	10.45	195.8	10.06	190.3	9.97	185.4	9.76	180.4	9.34	170.4	8.50
		35.5	205.9	10.03	201.6	9.89	196.4	9.89	191.4	9.47	185.8	9.05	175.9	8.22
		44.4	206.9	10.28	203.6	10.12	198.8	9.89	193.3	9.47	188.4	9.31	178.0	9.05
		53.3	207.4	10.40	204.6	10.23	200.0	9.89	194.3	9.47	189.7	9.44	179.0	9.47
	68	14.2	205.3	9.68	201.5	9.23	196.2	9.03	190.8	8.74	185.2	8.55	174.2	8.29
		17.8	206.9	9.61	203.1	9.22	197.7	9.02	192.3	8.78	186.9	8.61	175.9	8.22
		35.5	213.4	9.34	209.6	9.20	203.7	8.99	198.3	8.92	193.3	8.84	182.3	7.94
		44.4	214.3	9.34	211.1	9.20	206.2	9.05	200.3	8.92	194.9	8.84	183.9	8.45
		53.3	214.7	9.34	211.9	9.20	207.4	9.08	201.3	8.92	195.6	8.84	184.6	8.70
	77	14.2	216.7	9.23	211.1	8.97	206.2	8.81	202.2	8.67	197.7	8.54	186.4	7.98
		17.8	216.7	9.20	211.1	8.95	206.2	8.78	202.2	8.63	197.7	8.50	186.4	7.94
		35.5	216.7	9.05	211.1	8.89	206.2	8.63	202.2	8.50	197.7	8.36	186.4	7.80
		44.4	216.7	8.92	211.1	8.66	206.2	8.50	202.2	8.36	197.7	8.22	186.4	7.67
		53.3	216.7	8.86	211.1	8.55	206.2	8.44	202.2	8.29	197.7	8.14	186.4	7.60
	86	14.2	216.7	8.99	211.1	8.55	206.2	8.47	202.2	8.25	197.7	8.16	186.4	7.59
		17.8	216.7	8.92	211.1	8.53	206.2	8.42	202.2	8.22	197.7	8.09	186.4	7.52
		35.5	216.7	8.63	211.1	8.48	206.2	8.22	202.2	8.09	197.7	7.80	186.4	7.25
		44.4	216.7	8.50	211.1	8.24	206.2	8.09	202.2	7.94	197.7	7.80	186.4	7.25
		53.3	216.7	8.44	211.1	8.13	206.2	8.02	202.2	7.87	197.7	7.80	186.4	7.25
	95	14.2	216.7	8.58	211.1	8.29	206.2	8.12	202.2	7.83	197.7	7.56	186.4	7.03
		17.8	216.7	8.50	211.1	8.24	206.2	8.09	202.2	7.80	197.7	7.52	186.4	6.96
		35.5	216.7	8.22	211.1	8.06	206.2	7.94	202.2	7.67	197.7	7.38	186.4	6.69
		44.4	216.7	8.22	211.1	7.97	206.2	7.80	202.2	7.52	197.7	7.25	186.4	6.69
		53.3	216.7	8.22	211.1	7.93	206.2	7.73	202.2	7.45	197.7	7.18	186.4	6.69
	104	14.2	216.7	8.29	211.1	8.02	206.2	7.87	202.2	7.59	197.7	7.32	186.4	6.61
		17.8	216.7	8.22	211.1	7.97	206.2	7.80	202.2	7.52	197.7	7.25	186.4	6.54
		35.5	216.7	7.94	211.1	7.77	206.2	7.52	202.2	7.25	197.7	6.96	186.4	6.27
		44.4	216.7	7.80	211.1	7.64	206.2	7.52	202.2	7.25	197.7	6.96	186.4	6.27
		53.3	216.7	7.73	211.1	7.57	206.2	7.52	202.2	7.25	197.7	6.96	186.4	6.27
	113	14.2	216.7	8.01	211.1	7.75	206.2	7.63	202.2	7.36	197.7	7.07	186.4	6.20
		17.8	216.7	7.94	211.1	7.70	206.2	7.52	202.2	7.25	197.7	6.96	186.4	6.13
		35.5	216.7	7.67	211.1	7.50	206.2	7.11	202.2	6.83	197.7	6.54	186.4	5.85
		44.4	216.7	7.38	211.1	7.31	206.2	7.25	202.2	6.96	197.7	6.69	186.4	5.85
		53.3	216.7	7.23	211.1	7.21	206.2	7.32	202.2	7.03	197.7	6.76	186.4	5.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144DAS4, ARWB144DAS4
144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
120	23	14.2	72.8	8.75	72.3	8.24	71.8	7.67	71.0	7.35	71.5	7.14	69.6	6.39
		17.8	75.3	8.91	74.7	8.40	74.3	7.84	73.4	7.51	74.0	7.29	72.0	6.53
		35.5	85.3	9.51	84.5	9.04	84.1	8.50	83.0	8.14	83.8	7.91	81.5	7.09
		44.4	94.2	10.12	93.4	9.66	92.8	9.17	91.8	8.79	92.5	8.53	90.0	7.64
		53.3	98.7	10.42	97.9	9.97	97.2	9.50	96.2	9.12	96.9	8.85	94.2	7.92
	32	14.2	130.2	11.97	127.0	11.62	124.3	11.24	121.8	10.76	121.8	10.46	116.2	9.35
		17.8	131.0	12.01	127.8	11.65	125.1	11.27	122.5	10.80	122.5	10.49	116.9	9.38
		35.5	134.0	12.14	130.8	11.76	128.1	11.40	125.4	10.93	125.4	10.61	119.8	9.50
		44.4	136.1	12.14	132.9	11.76	130.1	11.40	127.3	10.93	127.2	10.61	121.6	9.50
		53.3	137.1	12.14	134.0	11.76	131.0	11.40	128.3	10.93	128.1	10.61	122.5	9.50
	41	14.2	187.7	12.87	184.9	12.55	180.8	12.23	176.5	11.71	170.9	11.39	161.5	10.20
		17.8	188.4	12.93	185.2	12.61	180.8	12.29	176.5	11.78	170.9	11.44	161.5	10.25
		35.5	191.1	13.16	186.6	12.84	180.8	12.54	176.5	12.02	170.9	11.68	161.5	10.45
		44.4	192.1	13.25	185.5	12.93	180.8	12.63	176.5	12.11	170.9	11.76	161.5	10.52
		53.3	192.7	13.29	185.0	12.97	180.8	12.67	176.5	12.15	170.9	11.81	161.5	10.56
	50	14.2	188.4	11.56	184.9	11.24	180.3	11.02	176.0	10.68	170.4	10.33	161.1	9.29
		17.8	189.3	11.60	185.7	11.29	180.8	11.06	176.5	10.70	170.9	10.32	161.5	9.30
		35.5	192.7	11.76	188.7	11.46	182.8	11.21	178.4	10.75	172.7	10.29	163.2	9.34
		44.4	193.8	11.72	188.1	11.46	183.5	11.26	179.2	10.80	173.5	10.33	164.0	9.66
		53.3	194.3	11.70	187.8	11.46	183.9	11.28	179.6	10.82	173.8	10.36	164.3	9.82
	59	14.2	188.9	10.26	185.1	9.95	179.8	9.80	175.5	9.65	170.0	9.27	160.7	8.40
		17.8	190.0	10.28	186.3	9.97	180.8	9.82	176.5	9.61	170.9	9.20	161.5	8.36
		35.5	194.4	10.36	190.8	10.06	184.9	9.89	180.4	9.47	174.4	8.92	165.0	8.22
		44.4	195.5	10.20	190.6	9.97	186.4	9.89	181.9	9.47	175.9	8.92	166.5	8.78
		53.3	196.0	10.13	190.6	9.93	187.2	9.89	182.7	9.47	176.6	8.92	167.3	9.06
	68	14.2	194.2	9.22	190.5	8.83	184.8	8.60	179.7	8.47	173.9	8.37	164.5	7.94
		17.8	195.5	9.22	191.7	8.86	185.8	8.63	180.8	8.50	175.0	8.36	165.5	7.91
		35.5	200.4	9.22	196.2	8.99	189.9	8.78	185.4	8.63	179.3	8.33	169.4	7.80
		44.4	201.3	9.14	196.1	8.92	191.4	8.78	186.4	8.63	180.4	8.36	170.4	8.09
		53.3	201.8	9.09	196.0	8.89	192.1	8.78	186.9	8.63	180.9	8.37	171.0	8.23
	77	14.2	203.6	8.72	197.7	8.32	191.4	8.16	187.3	7.98	182.3	7.83	172.4	7.29
		17.8	203.7	8.69	197.7	8.30	191.4	8.14	187.3	7.94	182.3	7.80	172.4	7.25
		35.5	204.2	8.56	197.7	8.24	191.4	8.09	187.3	7.80	182.3	7.67	172.4	7.11
		44.4	204.8	8.24	197.7	8.03	191.4	7.94	187.3	7.80	182.3	7.52	172.4	7.11
		53.3	205.1	8.08	197.7	7.92	191.4	7.87	187.3	7.80	182.3	7.45	172.4	7.11
	86	14.2	204.8	8.34	197.7	7.93	191.4	7.70	187.3	7.41	182.3	7.32	172.4	6.72
		17.8	204.8	8.27	197.7	7.88	191.4	7.67	187.3	7.38	182.3	7.25	172.4	6.69
		35.5	204.8	8.00	197.7	7.70	191.4	7.52	187.3	7.25	182.3	6.96	172.4	6.54
		44.4	204.8	7.74	197.7	7.52	191.4	7.38	187.3	7.25	182.3	6.96	172.4	6.41
		53.3	204.8	7.61	197.7	7.44	191.4	7.31	187.3	7.25	182.3	6.96	172.4	6.35
	95	14.2	204.8	7.97	197.7	7.54	191.4	7.32	187.3	7.03	182.3	6.76	172.4	6.16
		17.8	204.8	7.86	197.7	7.47	191.4	7.25	187.3	6.96	182.3	6.69	172.4	6.13
		35.5	204.8	7.41	197.7	7.19	191.4	6.96	187.3	6.69	182.3	6.41	172.4	6.00
		44.4	204.8	7.32	197.7	7.13	191.4	6.96	187.3	6.69	182.3	6.41	172.4	5.85
		53.3	204.8	7.28	197.7	7.11	191.4	6.96	187.3	6.69	182.3	6.41	172.4	5.78
	104	14.2	204.8	7.73	197.7	7.19	191.4	6.90	187.3	6.61	182.3	6.34	172.4	5.74
		17.8	204.8	7.58	197.7	7.11	191.4	6.83	187.3	6.54	182.3	6.27	172.4	5.71
		35.5	204.8	6.99	197.7	6.77	191.4	6.54	187.3	6.27	182.3	6.00	172.4	5.58
		44.4	204.8	6.90	197.7	6.69	191.4	6.54	187.3	6.27	182.3	6.00	172.4	5.43
		53.3	204.8	6.86	197.7	6.64	191.4	6.54	187.3	6.27	182.3	6.00	172.4	5.36
	113	14.2	204.8	7.49	197.7	6.84	191.4	6.49	187.3	6.20	182.3	5.92	172.4	5.32
		17.8	204.8	7.31	197.7	6.75	191.4	6.41	187.3	6.13	182.3	5.85	172.4	5.29
		35.5	204.8	6.57	197.7	6.36	191.4	6.13	187.3	5.85	182.3	5.58	172.4	5.16
		44.4	204.8	6.49	197.7	6.24	191.4	6.13	187.3	5.85	182.3	5.58	172.4	5.02
		53.3	204.8	6.44	197.7	6.18	191.4	6.13	187.3	5.85	182.3	5.58	172.4	4.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	14.2	68.9	8.87	68.5	8.24	68.0	7.67	67.3	7.35	67.5	7.14	66.0	6.39
		17.8	71.3	9.02	70.8	8.40	70.4	7.84	69.6	7.51	69.8	7.29	68.3	6.53
		35.5	80.6	9.63	80.2	9.04	79.7	8.50	78.8	8.14	78.8	7.91	77.3	7.09
		44.4	89.1	10.25	88.5	9.66	88.0	9.17	87.1	8.79	87.1	8.53	85.3	7.64
		53.3	93.3	10.56	92.6	9.97	92.2	9.50	91.3	9.12	91.3	8.85	89.3	7.92
	32	14.2	123.2	12.14	120.4	11.62	117.9	11.24	115.7	10.76	114.6	10.46	110.3	9.35
		17.8	123.9	12.17	121.2	11.65	118.6	11.27	116.3	10.80	115.3	10.49	110.9	9.38
		35.5	126.7	12.28	124.0	11.76	121.3	11.40	119.1	10.93	118.0	10.61	113.5	9.50
		44.4	128.7	12.28	126.0	11.76	123.3	11.40	120.9	10.93	119.8	10.61	115.1	9.50
		53.3	129.7	12.28	127.0	11.76	124.3	11.40	121.8	10.93	120.7	10.61	116.0	9.50
	41	14.2	179.6	13.04	175.4	12.55	171.3	12.23	167.4	11.71	160.9	11.39	153.1	10.20
		17.8	180.2	13.10	175.7	12.61	171.3	12.29	167.4	11.78	160.9	11.44	153.1	10.25
		35.5	182.6	13.33	177.1	12.84	171.5	12.54	167.4	12.02	160.9	11.68	153.1	10.45
		44.4	183.7	13.42	177.5	12.93	171.5	12.63	167.4	12.11	160.9	11.76	153.1	10.52
		53.3	184.2	13.46	177.7	12.97	171.5	12.67	167.4	12.15	160.9	11.81	153.1	10.56
	50	14.2	180.3	11.70	175.9	11.30	171.1	11.05	167.2	10.68	160.7	10.33	152.9	9.29
		17.8	181.0	11.72	176.3	11.33	171.3	11.08	167.4	10.70	160.9	10.32	153.1	9.30
		35.5	183.7	11.80	178.1	11.46	172.4	11.21	168.5	10.75	162.0	10.29	153.9	9.34
		44.4	184.8	11.80	178.9	11.46	173.0	11.19	168.8	10.72	162.3	10.33	154.3	9.44
		53.3	185.3	11.80	179.3	11.46	173.3	11.17	168.9	10.71	162.5	10.36	154.5	9.49
	59	14.2	180.8	10.35	176.1	10.06	171.0	9.89	166.9	9.65	160.4	9.27	152.7	8.40
		17.8	181.6	10.33	176.8	10.06	171.5	9.89	167.4	9.61	160.9	9.20	153.1	8.36
		35.5	184.6	10.28	179.3	10.06	173.5	9.89	169.4	9.47	163.1	8.92	154.6	8.22
		44.4	185.7	10.20	180.2	9.97	174.4	9.76	170.0	9.34	163.5	8.92	155.5	8.36
		53.3	186.2	10.17	180.7	9.93	174.8	9.69	170.3	9.27	163.7	8.92	156.0	8.43
	68	14.2	184.2	8.93	179.2	8.72	173.4	8.50	168.7	8.36	162.6	8.12	154.0	7.60
		17.8	185.2	8.95	179.8	8.72	173.9	8.50	169.4	8.36	163.1	8.09	154.6	7.58
		35.5	189.1	9.02	182.2	8.72	175.9	8.50	171.9	8.36	165.0	7.94	157.0	7.52
		44.4	190.2	9.02	183.7	8.72	176.9	8.50	172.4	8.22	165.9	7.94	157.5	7.52
		53.3	190.7	9.02	184.5	8.72	177.5	8.50	172.6	8.14	166.4	7.94	157.7	7.52
	77	14.2	190.0	8.13	184.3	7.83	176.9	7.70	173.0	7.41	167.0	7.14	158.1	6.54
		17.8	190.3	8.11	184.3	7.80	176.9	7.67	173.0	7.38	167.0	7.11	158.1	6.54
		35.5	191.8	8.06	184.3	7.67	176.9	7.52	173.0	7.25	167.0	6.96	158.1	6.54
		44.4	192.7	8.06	184.3	7.70	176.9	7.38	173.0	7.25	167.0	6.83	158.1	6.41
		53.3	193.2	8.06	184.3	7.71	176.9	7.31	173.0	7.25	167.0	6.77	158.1	6.35
	86	14.2	192.7	7.41	184.3	7.14	176.9	6.87	173.0	6.72	167.0	6.31	158.1	5.89
		17.8	192.7	7.38	184.3	7.11	176.9	6.83	173.0	6.69	167.0	6.27	158.1	5.85
		35.5	192.7	7.25	184.3	6.96	176.9	6.69	173.0	6.54	167.0	6.13	158.1	5.71
		44.4	192.7	7.19	184.3	6.83	176.9	6.54	173.0	6.41	167.0	6.13	158.1	5.71
		53.3	192.7	7.16	184.3	6.77	176.9	6.47	173.0	6.35	167.0	6.13	158.1	5.71
	95	14.2	192.7	7.03	184.3	6.58	176.9	6.31	173.0	6.03	167.0	5.74	158.1	5.32
		17.8	192.7	6.96	184.3	6.54	176.9	6.27	173.0	6.00	167.0	5.71	158.1	5.29
		35.5	192.7	6.69	184.3	6.41	176.9	6.13	173.0	5.85	167.0	5.58	158.1	5.16
		44.4	192.7	6.52	184.3	6.27	176.9	6.00	173.0	5.85	167.0	5.58	158.1	5.16
		53.3	192.7	6.43	184.3	6.20	176.9	5.93	173.0	5.85	167.0	5.58	158.1	5.16
	104	14.2	192.7	6.61	184.3	6.34	176.9	5.92	173.0	5.61	167.0	5.32	158.1	4.90
		17.8	192.7	6.54	184.3	6.27	176.9	5.85	173.0	5.58	167.0	5.29	158.1	4.87
		35.5	192.7	6.27	184.3	6.00	176.9	5.58	173.0	5.43	167.0	5.16	158.1	4.74
		44.4	192.7	6.18	184.3	5.85	176.9	5.58	173.0	5.29	167.0	5.02	158.1	4.60
		53.3	192.7	6.14	184.3	5.78	176.9	5.58	173.0	5.22	167.0	4.94	158.1	4.53
	113	14.2	192.7	6.20	184.3	6.10	176.9	5.54	173.0	5.20	167.0	4.90	158.1	4.49
		17.8	192.7	6.13	184.3	6.00	176.9	5.43	173.0	5.16	167.0	4.87	158.1	4.45
		35.5	192.7	5.85	184.3	5.58	176.9	5.02	173.0	5.02	167.0	4.74	158.1	4.32
		44.4	192.7	5.85	184.3	5.43	176.9	5.16	173.0	4.74	167.0	4.45	158.1	4.04
		53.3	192.7	5.85	184.3	5.36	176.9	5.23	173.0	4.60	167.0	4.31	158.1	3.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	14.2	65.1	8.87	64.7	8.36	64.4	7.67	63.8	7.35	63.2	7.02	62.0	6.39
		17.8	67.4	9.02	66.9	8.52	66.6	7.84	66.0	7.51	65.4	7.18	64.2	6.53
		35.5	76.3	9.63	75.8	9.15	75.3	8.50	74.6	8.14	74.0	7.80	72.8	7.09
		44.4	84.2	10.25	83.6	9.79	83.2	9.17	82.4	8.79	81.8	8.40	80.3	7.64
		53.3	88.3	10.56	87.6	10.11	87.1	9.50	86.4	9.12	85.8	8.71	84.1	7.92
	32	14.2	116.4	12.14	113.8	11.78	111.5	11.24	109.5	10.76	107.6	10.31	103.8	9.35
		17.8	117.1	12.17	114.5	11.80	112.1	11.27	110.2	10.80	108.2	10.33	104.4	9.38
		35.5	119.8	12.28	117.2	11.92	114.7	11.40	112.7	10.93	110.8	10.45	106.8	9.50
		44.4	121.6	12.28	119.1	11.92	116.5	11.40	114.4	10.93	112.4	10.45	108.5	9.50
		53.3	122.5	12.28	120.0	11.92	117.4	11.40	115.2	10.93	113.3	10.45	109.3	9.50
	41	14.2	171.8	13.04	166.1	12.73	161.8	12.23	158.5	11.71	151.0	11.21	144.1	10.20
		17.8	172.4	13.10	166.4	12.79	161.8	12.29	158.5	11.78	151.0	11.27	144.1	10.25
		35.5	174.8	13.33	167.6	13.02	162.0	12.54	158.5	12.02	151.0	11.50	144.1	10.45
		44.4	175.9	13.42	168.0	13.10	162.0	12.63	158.5	12.11	151.0	11.57	144.1	10.52
		53.3	176.4	13.46	168.3	13.15	162.0	12.67	158.5	12.15	151.0	11.61	144.1	10.56
	50	14.2	172.7	11.66	166.6	11.41	162.0	11.05	158.5	10.68	151.0	10.15	144.1	9.29
		17.8	173.2	11.72	166.8	11.44	162.0	11.08	158.5	10.70	151.0	10.16	144.1	9.30
		35.5	174.8	11.93	167.7	11.59	162.0	11.21	158.5	10.75	151.0	10.20	144.1	9.34
		44.4	176.0	11.89	168.5	11.59	162.0	11.19	158.5	10.72	151.0	10.18	144.1	9.30
		53.3	176.6	11.87	168.9	11.59	162.0	11.17	158.5	10.71	151.0	10.16	144.1	9.28
	59	14.2	173.7	10.28	167.3	10.11	162.0	9.89	158.5	9.65	151.0	9.08	144.1	8.40
		17.8	173.9	10.33	167.4	10.12	162.0	9.89	158.5	9.61	151.0	9.05	144.1	8.36
		35.5	174.8	10.54	167.9	10.15	162.0	9.89	158.5	9.47	151.0	8.92	144.1	8.22
		44.4	176.3	10.36	168.8	10.06	162.0	9.76	158.5	9.34	151.0	8.78	144.1	8.09
		53.3	177.1	10.28	169.2	10.02	162.0	9.69	158.5	9.27	151.0	8.71	144.1	8.02
	68	14.2	174.6	8.80	168.2	8.57	162.0	8.36	158.5	8.25	151.0	7.70	144.1	7.32
		17.8	175.3	8.84	168.3	8.58	162.0	8.36	158.5	8.22	151.0	7.67	144.1	7.25
		35.5	177.8	8.99	168.8	8.61	162.0	8.36	158.5	8.09	151.0	7.52	144.1	6.96
		44.4	178.9	8.84	170.3	8.53	162.0	8.22	158.5	7.94	151.0	7.38	144.1	6.83
		53.3	179.4	8.76	171.0	8.50	162.0	8.14	158.5	7.87	151.0	7.31	144.1	6.77
	77	14.2	176.7	7.69	170.9	7.45	162.0	7.14	158.5	6.87	151.0	6.45	144.1	5.85
		17.8	177.4	7.70	170.9	7.41	162.0	7.11	158.5	6.83	151.0	6.41	144.1	5.85
		35.5	179.9	7.73	170.9	7.25	162.0	6.96	158.5	6.69	151.0	6.27	144.1	5.85
		44.4	180.8	7.55	170.9	7.19	162.0	6.83	158.5	6.54	151.0	6.27	144.1	5.71
		53.3	181.3	7.47	170.9	7.16	162.0	6.77	158.5	6.47	151.0	6.27	144.1	5.64
	86	14.2	180.8	6.99	170.9	6.45	162.0	6.01	158.5	5.89	151.0	5.43	144.1	5.20
		17.8	180.8	6.96	170.9	6.41	162.0	6.00	158.5	5.85	151.0	5.43	144.1	5.16
		35.5	180.8	6.83	170.9	6.27	162.0	5.94	158.5	5.71	151.0	5.43	144.1	5.02
		44.4	180.8	6.69	170.9	6.27	162.0	5.85	158.5	5.71	151.0	5.29	144.1	5.02
		53.3	180.8	6.62	170.9	6.27	162.0	5.81	158.5	5.71	151.0	5.22	144.1	5.02
	95	14.2	180.8	6.49	170.9	5.92	162.0	5.30	158.5	5.20	151.0	4.90	144.1	4.49
		17.8	180.8	6.41	170.9	5.85	162.0	5.29	158.5	5.16	151.0	4.87	144.1	4.45
		35.5	180.8	6.13	170.9	5.58	162.0	5.23	158.5	5.02	151.0	4.74	144.1	4.32
		44.4	180.8	6.13	170.9	5.58	162.0	5.16	158.5	5.02	151.0	4.74	144.1	4.32
		53.3	180.8	6.13	170.9	5.58	162.0	5.12	158.5	5.02	151.0	4.74	144.1	4.32
	104	14.2	180.8	6.07	170.9	5.50	162.0	4.76	158.5	4.63	151.0	4.36	144.1	4.07
		17.8	180.8	6.00	170.9	5.43	162.0	4.74	158.5	4.60	151.0	4.32	144.1	4.04
		35.5	180.8	5.71	170.9	5.16	162.0	4.68	158.5	4.45	151.0	4.18	144.1	3.91
		44.4	180.8	5.58	170.9	5.16	162.0	4.60	158.5	4.45	151.0	4.18	144.1	3.91
		53.3	180.8	5.51	170.9	5.16	162.0	4.55	158.5	4.45	151.0	4.18	144.1	3.91
	113	14.2	180.8	5.65	170.9	5.09	162.0	4.19	158.5	4.07	151.0	3.80	144.1	3.65
		17.8	180.8	5.58	170.9	5.02	162.0	4.18	158.5	4.04	151.0	3.76	144.1	3.62
		35.5	180.8	5.29	170.9	4.74	162.0	4.12	158.5	3.91	151.0	3.62	144.1	3.49
		44.4	180.8	5.02	170.9	4.74	162.0	4.04	158.5	3.91	151.0	3.62	144.1	3.49
		53.3	180.8	4.88	170.9	4.74	162.0	3.99	158.5	3.91	151.0	3.62	144.1	3.49

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	14.2	61.5	8.23	59.6	7.50	57.8	6.59	57.4	6.28	56.9	6.05	56.0	5.43
		17.8	63.6	8.37	61.6	7.64	59.8	6.73	59.4	6.41	58.9	6.18	57.9	5.55
		35.5	72.0	8.94	69.8	8.20	67.7	7.31	67.2	6.96	66.8	6.72	65.4	6.02
		44.4	79.6	9.50	77.0	8.78	74.7	7.88	74.1	7.51	73.7	7.24	72.3	6.50
		53.3	83.4	9.78	80.7	9.07	78.3	8.17	77.6	7.79	77.2	7.50	75.8	6.74
	32	14.2	110.0	11.21	104.9	10.52	100.1	9.66	98.6	9.21	96.9	8.87	93.3	7.96
		17.8	110.6	11.24	105.5	10.55	100.7	9.69	99.2	9.24	97.5	8.89	93.9	7.99
		35.5	113.2	11.36	107.9	10.67	103.1	9.79	101.4	9.34	99.8	8.99	96.1	8.07
		44.4	114.8	11.36	109.6	10.67	104.7	9.79	102.9	9.34	101.4	8.99	97.7	8.07
		53.3	115.7	11.36	110.4	10.67	105.6	9.79	103.7	9.34	102.3	8.99	98.4	8.07
	41	14.2	155.4	12.04	150.4	11.36	145.6	10.51	142.6	10.02	136.2	9.65	129.8	8.66
		17.8	155.5	12.09	150.2	11.42	145.6	10.57	142.6	10.08	136.2	9.70	129.8	8.71
		35.5	156.1	12.31	149.8	11.63	145.6	10.77	142.6	10.28	136.2	9.90	129.8	8.88
		44.4	157.0	12.38	150.2	11.70	145.6	10.85	142.6	10.35	136.2	9.97	129.8	8.95
		53.3	157.5	12.42	150.5	11.74	145.6	10.90	142.6	10.39	136.2	10.01	129.8	8.99
	50	14.2	156.2	10.63	150.9	10.11	145.6	9.52	142.6	9.13	136.2	8.76	129.8	7.89
		17.8	156.1	10.64	150.7	10.12	145.6	9.53	142.6	9.14	136.2	8.75	129.8	7.90
		35.5	155.8	10.67	149.9	10.16	145.6	9.57	142.6	9.18	136.2	8.72	129.8	7.93
		44.4	156.9	10.64	150.4	10.13	145.6	9.54	142.6	9.15	136.2	8.75	129.8	7.96
		53.3	157.4	10.62	150.6	10.12	145.6	9.53	142.6	9.14	136.2	8.76	129.8	7.97
	59	14.2	157.0	9.20	151.4	8.87	145.6	8.54	142.6	8.25	136.2	7.87	129.8	7.14
		17.8	156.7	9.17	151.1	8.84	145.6	8.50	142.6	8.22	136.2	7.80	129.8	7.11
		35.5	155.7	9.02	150.1	8.69	145.6	8.36	142.6	8.09	136.2	7.52	129.8	6.96
		44.4	156.7	8.89	150.5	8.56	145.6	8.22	142.6	7.94	136.2	7.52	129.8	6.96
		53.3	157.3	8.83	150.8	8.50	145.6	8.14	142.6	7.87	136.2	7.52	129.8	6.96
	68	14.2	157.9	7.77	152.1	7.55	145.6	7.29	142.6	6.99	136.2	6.76	129.8	6.34
		17.8	157.8	7.77	151.8	7.52	145.6	7.25	142.6	6.96	136.2	6.69	129.8	6.27
		35.5	157.2	7.77	150.5	7.44	145.6	7.11	142.6	6.83	136.2	6.41	129.8	6.00
		44.4	157.6	7.64	151.0	7.38	145.6	7.11	142.6	6.83	136.2	6.41	129.8	6.00
		53.3	157.9	7.57	151.2	7.35	145.6	7.11	142.6	6.83	136.2	6.41	129.8	6.00
	77	14.2	160.6	6.79	154.0	6.43	145.6	6.16	142.6	5.85	136.2	5.61	129.8	5.20
		17.8	160.9	6.77	154.0	6.41	145.6	6.13	142.6	5.85	136.2	5.58	129.8	5.16
		35.5	162.5	6.72	154.0	6.36	145.6	6.00	142.6	5.85	136.2	5.43	129.8	5.02
		44.4	163.1	6.54	154.0	6.21	145.6	6.00	142.6	5.71	136.2	5.43	129.8	5.02
		53.3	163.4	6.46	154.0	6.14	145.6	6.00	142.6	5.64	136.2	5.43	129.8	5.02
	86	14.2	163.1	6.16	154.0	5.74	145.6	5.32	142.6	5.20	136.2	4.90	129.8	4.45
		17.8	163.1	6.13	154.0	5.71	145.6	5.29	142.6	5.16	136.2	4.87	129.8	4.45
		35.5	163.1	6.00	154.0	5.58	145.6	5.16	142.6	5.02	136.2	4.74	129.8	4.45
		44.4	163.1	5.85	154.0	5.43	145.6	5.16	142.6	5.02	136.2	4.74	129.8	4.32
		53.3	163.1	5.78	154.0	5.36	145.6	5.16	142.6	5.02	136.2	4.74	129.8	4.26
	95	14.2	163.1	5.61	154.0	5.20	145.6	4.78	142.6	4.63	136.2	4.36	129.8	4.07
		17.8	163.1	5.58	154.0	5.16	145.6	4.74	142.6	4.60	136.2	4.32	129.8	4.04
		35.5	163.1	5.43	154.0	5.02	145.6	4.60	142.6	4.45	136.2	4.18	129.8	3.91
		44.4	163.1	5.29	154.0	4.87	145.6	4.45	142.6	4.32	136.2	4.18	129.8	3.91
		53.3	163.1	5.22	154.0	4.80	145.6	4.38	142.6	4.26	136.2	4.18	129.8	3.91
	104	14.2	163.1	5.23	154.0	4.78	145.6	4.22	142.6	4.07	136.2	3.94	129.8	3.65
		17.8	163.1	5.16	154.0	4.74	145.6	4.18	142.6	4.04	136.2	3.91	129.8	3.62
		35.5	163.1	4.87	154.0	4.60	145.6	4.04	142.6	3.91	136.2	3.76	129.8	3.49
		44.4	163.1	4.87	154.0	4.60	145.6	4.04	142.6	3.91	136.2	3.76	129.8	3.49
		53.3	163.1	4.87	154.0	4.60	145.6	4.04	142.6	3.91	136.2	3.76	129.8	3.49
	113	14.2	163.1	4.85	154.0	4.36	145.6	3.65	142.6	3.52	136.2	3.52	129.8	3.23
		17.8	163.1	4.74	154.0	4.32	145.6	3.62	142.6	3.49	136.2	3.49	129.8	3.20
		35.5	163.1	4.32	154.0	4.18	145.6	3.49	142.6	3.34	136.2	3.34	129.8	3.07
		44.4	163.1	4.45	154.0	4.32	145.6	3.62	142.6	3.49	136.2	3.34	129.8	3.07
		53.3	163.1	4.52	154.0	4.40	145.6	3.68	142.6	3.56	136.2	3.34	129.8	3.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	14.2	58.1	5.87	54.5	5.64	51.6	5.40	51.0	5.22	50.7	4.98	49.7	4.59
		17.8	60.1	6.00	56.4	5.77	53.3	5.52	52.7	5.33	52.4	5.09	51.4	4.68
		35.5	68.0	6.52	63.7	6.26	60.3	5.98	59.7	5.78	59.4	5.52	58.2	5.07
		44.4	75.2	7.02	70.4	6.75	66.6	6.46	65.9	6.24	65.6	5.95	64.2	5.48
		53.3	78.8	7.27	73.7	6.99	69.8	6.70	69.0	6.47	68.7	6.17	67.2	5.68
	32	14.2	103.8	8.61	95.7	8.26	89.1	7.92	87.5	7.65	86.3	7.29	83.0	6.71
		17.8	104.4	8.63	96.3	8.29	89.7	7.94	88.0	7.67	86.8	7.31	83.5	6.73
		35.5	107.0	8.73	98.6	8.39	91.8	8.03	90.1	7.75	88.9	7.39	85.4	6.80
		44.4	108.5	8.73	100.1	8.39	93.3	8.03	91.5	7.75	90.3	7.39	86.8	6.80
		53.3	109.3	8.73	100.8	8.39	94.0	8.03	92.2	7.75	91.0	7.39	87.5	6.80
	41	14.2	143.6	9.36	135.5	9.01	129.6	8.60	126.7	8.32	121.3	7.93	115.3	7.30
		17.8	143.9	9.41	135.8	9.05	129.6	8.65	126.7	8.36	121.3	7.97	115.3	7.34
		35.5	145.1	9.61	136.8	9.22	129.8	8.84	126.7	8.53	121.3	8.13	115.3	7.50
		44.4	145.1	9.67	136.7	9.30	129.8	8.89	126.7	8.59	121.3	8.19	115.3	7.54
		53.3	145.1	9.70	136.6	9.33	129.8	8.92	126.7	8.62	121.3	8.22	115.3	7.56
	50	14.2	144.4	8.62	136.1	8.23	129.6	7.81	126.7	7.59	121.3	7.19	115.3	6.66
		17.8	144.5	8.61	136.2	8.22	129.6	7.81	126.7	7.60	121.3	7.19	115.3	6.66
		35.5	145.1	8.56	136.8	8.17	129.8	7.83	126.7	7.61	121.3	7.21	115.3	6.67
		44.4	145.1	8.53	136.7	8.20	129.8	7.86	126.7	7.57	121.3	7.16	115.3	6.63
		53.3	145.1	8.52	136.6	8.22	129.8	7.87	126.7	7.55	121.3	7.14	115.3	6.61
	59	14.2	145.1	7.87	136.7	7.45	129.8	6.99	126.7	6.87	121.3	6.45	115.3	6.03
		17.8	145.1	7.80	136.7	7.38	129.8	6.96	126.7	6.83	121.3	6.41	115.3	6.00
		35.5	145.1	7.52	136.7	7.11	129.8	6.83	126.7	6.69	121.3	6.27	115.3	5.85
		44.4	145.1	7.38	136.7	7.11	129.8	6.83	126.7	6.54	121.3	6.13	115.3	5.71
		53.3	145.1	7.31	136.7	7.11	129.8	6.83	126.7	6.47	121.3	6.05	115.3	5.64
	68	14.2	145.1	6.58	136.7	6.31	129.8	6.00	126.7	5.89	121.3	5.61	115.3	5.20
		17.8	145.1	6.54	136.7	6.27	129.8	6.00	126.7	5.85	121.3	5.58	115.3	5.16
		35.5	145.1	6.41	136.7	6.13	129.8	6.00	126.7	5.71	121.3	5.43	115.3	5.02
		44.4	145.1	6.27	136.7	6.00	129.8	5.85	126.7	5.71	121.3	5.29	115.3	5.02
		53.3	145.1	6.20	136.7	5.93	129.8	5.78	126.7	5.71	121.3	5.22	115.3	5.02
	77	14.2	145.1	5.89	136.7	5.47	129.8	5.16	126.7	5.05	121.3	4.78	115.3	4.49
		17.8	145.1	5.85	136.7	5.43	129.8	5.16	126.7	5.02	121.3	4.74	115.3	4.45
		35.5	145.1	5.71	136.7	5.29	129.8	5.16	126.7	4.87	121.3	4.60	115.3	4.32
		44.4	145.1	5.58	136.7	5.29	129.8	5.02	126.7	4.87	121.3	4.60	115.3	4.32
		53.3	145.1	5.51	136.7	5.29	129.8	4.94	126.7	4.87	121.3	4.60	115.3	4.32
	86	14.2	145.1	5.20	136.7	4.90	129.8	4.63	126.7	4.49	121.3	4.22	115.3	3.94
		17.8	145.1	5.16	136.7	4.87	129.8	4.60	126.7	4.45	121.3	4.18	115.3	3.91
		35.5	145.1	5.02	136.7	4.74	129.8	4.45	126.7	4.32	121.3	4.04	115.3	3.76
		44.4	145.1	5.02	136.7	4.74	129.8	4.45	126.7	4.32	121.3	4.04	115.3	3.76
		53.3	145.1	5.02	136.7	4.74	129.8	4.45	126.7	4.32	121.3	4.04	115.3	3.76
	95	14.2	145.1	4.78	136.7	4.49	129.8	4.07	126.7	3.91	121.3	3.80	115.3	3.49
		17.8	145.1	4.74	136.7	4.45	129.8	4.04	126.7	3.91	121.3	3.76	115.3	3.49
		35.5	145.1	4.60	136.7	4.32	129.8	3.91	126.7	3.91	121.3	3.62	115.3	3.49
		44.4	145.1	4.60	136.7	4.18	129.8	3.91	126.7	3.76	121.3	3.62	115.3	3.34
		53.3	145.1	4.60	136.7	4.11	129.8	3.91	126.7	3.69	121.3	3.62	115.3	3.27
	104	14.2	145.1	4.52	136.7	4.07	129.8	3.62	126.7	3.65	121.3	3.34	115.3	3.23
		17.8	145.1	4.45	136.7	4.04	129.8	3.62	126.7	3.62	121.3	3.34	115.3	3.20
		35.5	145.1	4.18	136.7	3.91	129.8	3.62	126.7	3.49	121.3	3.34	115.3	3.07
		44.4	145.1	4.18	136.7	3.91	129.8	3.49	126.7	3.49	121.3	3.34	115.3	3.07
		53.3	145.1	4.18	136.7	3.91	129.8	3.42	126.7	3.49	121.3	3.34	115.3	3.07
	113	14.2	145.1	4.29	136.7	3.65	129.8	3.16	126.7	3.41	121.3	2.89	115.3	3.00
		17.8	145.1	4.18	136.7	3.62	129.8	3.20	126.7	3.34	121.3	2.93	115.3	2.93
		35.5	145.1	3.76	136.7	3.49	129.8	3.34	126.7	3.07	121.3	3.07	115.3	2.65
		44.4	145.1	3.76	136.7	3.62	129.8	3.07	126.7	3.20	121.3	3.07	115.3	2.78
		53.3	145.1	3.76	136.7	3.68	129.8	2.93	126.7	3.27	121.3	3.07	115.3	2.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	14.2	50.7	5.04	47.6	4.80	45.0	4.64	44.6	4.37	44.3	4.22	43.6	3.84
		17.8	52.4	5.15	49.3	4.90	46.6	4.74	46.1	4.47	45.8	4.31	45.1	3.92
		35.5	59.4	5.58	55.8	5.32	52.6	5.15	52.1	4.84	51.8	4.67	50.9	4.25
		44.4	65.7	6.02	61.6	5.74	58.2	5.55	57.7	5.22	57.3	5.04	56.2	4.58
		53.3	68.9	6.25	64.6	5.95	61.0	5.75	60.5	5.41	60.0	5.23	58.9	4.75
	32	14.2	90.8	7.37	83.9	7.03	77.9	6.80	76.5	6.40	75.3	6.18	72.7	5.62
		17.8	91.3	7.39	84.4	7.05	78.4	6.82	77.0	6.41	75.8	6.20	73.1	5.64
		35.5	93.4	7.48	86.3	7.12	80.2	6.90	78.8	6.49	77.6	6.27	74.7	5.69
		44.4	94.8	7.48	87.7	7.12	81.4	6.90	80.0	6.49	78.8	6.27	76.0	5.69
		53.3	95.5	7.48	88.4	7.12	82.0	6.90	80.6	6.49	79.4	6.27	76.6	5.69
	41	14.2	125.4	8.03	118.8	7.64	113.1	7.40	110.8	6.97	105.8	6.72	100.8	6.11
		17.8	125.7	8.07	119.1	7.68	113.2	7.44	110.8	7.01	105.8	6.76	100.8	6.14
		35.5	126.7	8.23	120.0	7.84	113.3	7.60	110.8	7.13	105.8	6.90	100.8	6.27
		44.4	126.7	8.29	119.8	7.90	113.3	7.65	110.8	7.19	105.8	6.95	100.8	6.31
		53.3	126.7	8.32	119.7	7.93	113.3	7.68	110.8	7.22	105.8	6.97	100.8	6.34
	50	14.2	126.0	7.39	119.2	6.99	113.3	6.73	110.8	6.36	105.8	6.10	100.8	5.58
		17.8	126.1	7.38	119.4	6.98	113.3	6.72	110.8	6.36	105.8	6.10	100.8	5.58
		35.5	126.7	7.32	119.8	6.92	113.3	6.66	110.8	6.36	105.8	6.10	100.8	5.58
		44.4	126.7	7.35	119.8	6.95	113.3	6.69	110.8	6.39	105.8	6.05	100.8	5.59
		53.3	126.7	7.37	119.8	6.96	113.3	6.70	110.8	6.40	105.8	6.03	100.8	5.60
	59	14.2	126.7	6.76	119.8	6.34	113.3	6.07	110.8	5.74	105.8	5.47	100.8	5.05
		17.8	126.7	6.69	119.8	6.27	113.3	6.00	110.8	5.71	105.8	5.43	100.8	5.02
		35.5	126.7	6.41	119.8	6.00	113.3	5.71	110.8	5.58	105.8	5.29	100.8	4.87
		44.4	126.7	6.41	119.8	6.00	113.3	5.71	110.8	5.58	105.8	5.16	100.8	4.87
		53.3	126.7	6.41	119.8	6.00	113.3	5.71	110.8	5.58	105.8	5.09	100.8	4.87
	68	14.2	126.7	5.61	119.8	5.32	113.3	5.20	110.8	5.05	105.8	4.78	100.8	4.49
		17.8	126.7	5.58	119.8	5.29	113.3	5.16	110.8	5.02	105.8	4.74	100.8	4.45
		35.5	126.7	5.43	119.8	5.16	113.3	5.02	110.8	4.87	105.8	4.60	100.8	4.32
		44.4	126.7	5.43	119.8	5.16	113.3	5.02	110.8	4.74	105.8	4.60	100.8	4.18
		53.3	126.7	5.43	119.8	5.16	113.3	5.02	110.8	4.68	105.8	4.60	100.8	4.11
	77	14.2	126.7	5.05	119.8	4.78	113.3	4.49	110.8	4.36	105.8	4.04	100.8	3.76
		17.8	126.7	5.02	119.8	4.74	113.3	4.45	110.8	4.32	105.8	4.04	100.8	3.76
		35.5	126.7	4.87	119.8	4.60	113.3	4.32	110.8	4.18	105.8	4.04	100.8	3.76
		44.4	126.7	4.74	119.8	4.45	113.3	4.32	110.8	4.18	105.8	3.91	100.8	3.76
		53.3	126.7	4.68	119.8	4.38	113.3	4.32	110.8	4.18	105.8	3.84	100.8	3.76
	86	14.2	126.7	4.49	119.8	4.22	113.3	3.94	110.8	3.76	105.8	3.65	100.8	3.34
		17.8	126.7	4.45	119.8	4.18	113.3	3.91	110.8	3.76	105.8	3.62	100.8	3.34
		35.5	126.7	4.32	119.8	4.04	113.3	3.76	110.8	3.76	105.8	3.49	100.8	3.34
		44.4	126.7	4.32	119.8	4.04	113.3	3.76	110.8	3.62	105.8	3.49	100.8	3.34
		53.3	126.7	4.32	119.8	4.04	113.3	3.76	110.8	3.55	105.8	3.49	100.8	3.34
	95	14.2	126.7	4.07	119.8	3.80	113.3	3.49	110.8	3.52	105.8	3.20	100.8	3.11
		17.8	126.7	4.04	119.8	3.76	113.3	3.49	110.8	3.49	105.8	3.20	100.8	3.07
		35.5	126.7	3.91	119.8	3.62	113.3	3.49	110.8	3.34	105.8	3.20	100.8	2.93
		44.4	126.7	3.91	119.8	3.62	113.3	3.34	110.8	3.34	105.8	3.20	100.8	2.93
		53.3	126.7	3.91	119.8	3.62	113.3	3.27	110.8	3.34	105.8	3.20	100.8	2.93
	104	14.2	126.7	3.80	119.8	3.52	113.3	3.23	110.8	3.07	105.8	2.93	100.8	2.81
		17.8	126.7	3.76	119.8	3.49	113.3	3.20	110.8	3.07	105.8	2.93	100.8	2.78
		35.5	126.7	3.62	119.8	3.34	113.3	3.07	110.8	3.07	105.8	2.93	100.8	2.65
		44.4	126.7	3.62	119.8	3.34	113.3	3.07	110.8	2.93	105.8	2.78	100.8	2.65
		53.3	126.7	3.62	119.8	3.34	113.3	3.07	110.8	2.85	105.8	2.71	100.8	2.65
	113	14.2	126.7	3.52	119.8	3.23	113.3	3.00	110.8	2.62	105.8	2.65	100.8	2.54
		17.8	126.7	3.49	119.8	3.20	113.3	2.93	110.8	2.65	105.8	2.65	100.8	2.51
		35.5	126.7	3.34	119.8	3.07	113.3	2.65	110.8	2.78	105.8	2.65	100.8	2.36
		44.4	126.7	3.34	119.8	3.07	113.3	2.78	110.8	2.51	105.8	2.36	100.8	2.36
		53.3	126.7	3.34	119.8	3.07	113.3	2.85	110.8	2.37	105.8	2.22	100.8	2.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	14.2	43.5	4.09	40.8	3.93	38.6	3.78	38.2	3.51	38.0	3.45	37.3	3.09
		17.8	45.1	4.18	42.2	4.02	39.9	3.86	39.5	3.59	39.3	3.53	38.6	3.16
		35.5	51.1	4.54	47.8	4.37	45.2	4.19	44.8	3.89	44.6	3.83	43.7	3.43
		44.4	56.4	4.89	52.7	4.71	50.0	4.53	49.4	4.21	49.3	4.14	48.2	3.69
		53.3	59.0	5.06	55.3	4.89	52.5	4.69	51.8	4.37	51.6	4.29	50.5	3.82
	32	14.2	77.9	5.99	71.8	5.78	66.9	5.53	65.6	5.15	64.7	5.07	62.3	4.53
		17.8	78.4	6.01	72.2	5.79	67.4	5.55	66.0	5.16	65.1	5.09	62.7	4.54
		35.5	80.2	6.08	73.8	5.85	69.0	5.62	67.5	5.22	66.6	5.15	64.0	4.58
		44.4	81.4	6.08	75.0	5.85	70.1	5.62	68.6	5.22	67.7	5.15	65.1	4.58
		53.3	82.0	6.08	75.7	5.85	70.6	5.62	69.1	5.22	68.2	5.15	65.6	4.58
	41	14.2	107.7	6.53	101.5	6.28	97.4	6.02	94.9	5.61	90.9	5.52	86.5	4.92
		17.8	107.9	6.56	101.7	6.31	97.4	6.05	94.9	5.64	90.9	5.55	86.5	4.94
		35.5	108.8	6.69	102.5	6.44	97.4	6.18	94.9	5.75	90.9	5.66	86.5	5.04
		44.4	108.8	6.75	102.3	6.49	97.4	6.23	94.9	5.79	90.9	5.69	86.5	5.09
		53.3	108.8	6.77	102.2	6.51	97.4	6.25	94.9	5.82	90.9	5.71	86.5	5.11
	50	14.2	108.2	6.00	101.9	5.74	97.4	5.46	94.9	5.10	90.9	5.01	86.5	4.49
		17.8	108.4	6.00	102.0	5.74	97.4	5.46	94.9	5.12	90.9	5.00	86.5	4.50
		35.5	108.8	6.00	102.5	5.74	97.4	5.46	94.9	5.17	90.9	4.99	86.5	4.54
		44.4	108.8	6.01	102.3	5.68	97.4	5.41	94.9	5.12	90.9	4.94	86.5	4.50
		53.3	108.8	6.02	102.2	5.65	97.4	5.38	94.9	5.09	90.9	4.92	86.5	4.48
	59	14.2	108.8	5.47	102.3	5.20	97.4	4.90	94.9	4.60	90.9	4.49	86.5	4.04
		17.8	108.8	5.43	102.3	5.16	97.4	4.87	94.9	4.60	90.9	4.45	86.5	4.04
		35.5	108.8	5.29	102.3	5.02	97.4	4.74	94.9	4.60	90.9	4.32	86.5	4.04
		44.4	108.8	5.29	102.3	4.87	97.4	4.60	94.9	4.45	90.9	4.18	86.5	3.91
		53.3	108.8	5.29	102.3	4.80	97.4	4.53	94.9	4.38	90.9	4.11	86.5	3.84
	68	14.2	108.8	4.78	102.3	4.49	97.4	4.22	94.9	4.07	90.9	3.94	86.5	3.65
		17.8	108.8	4.74	102.3	4.45	97.4	4.18	94.9	4.04	90.9	3.91	86.5	3.62
		35.5	108.8	4.60	102.3	4.32	97.4	4.04	94.9	3.91	90.9	3.76	86.5	3.49
		44.4	108.8	4.60	102.3	4.32	97.4	4.04	94.9	3.91	90.9	3.76	86.5	3.49
		53.3	108.8	4.60	102.3	4.32	97.4	4.04	94.9	3.91	90.9	3.76	86.5	3.49
	77	14.2	108.8	4.22	102.3	3.94	97.4	3.62	94.9	3.65	90.9	3.34	86.5	3.23
		17.8	108.8	4.18	102.3	3.91	97.4	3.62	94.9	3.62	90.9	3.34	86.5	3.20
		35.5	108.8	4.04	102.3	3.76	97.4	3.62	94.9	3.49	90.9	3.34	86.5	3.07
		44.4	108.8	4.04	102.3	3.76	97.4	3.49	94.9	3.49	90.9	3.34	86.5	3.07
		53.3	108.8	4.04	102.3	3.76	97.4	3.42	94.9	3.49	90.9	3.34	86.5	3.07
	86	14.2	108.8	3.80	102.3	3.52	97.4	3.38	94.9	3.23	90.9	3.11	86.5	2.96
		17.8	108.8	3.76	102.3	3.49	97.4	3.34	94.9	3.20	90.9	3.07	86.5	2.93
		35.5	108.8	3.62	102.3	3.34	97.4	3.20	94.9	3.07	90.9	2.93	86.5	2.78
		44.4	108.8	3.62	102.3	3.34	97.4	3.20	94.9	3.07	90.9	2.93	86.5	2.78
		53.3	108.8	3.62	102.3	3.34	97.4	3.20	94.9	3.07	90.9	2.93	86.5	2.78
	95	14.2	108.8	3.34	102.3	3.23	97.4	2.93	94.9	2.96	90.9	2.81	86.5	2.69
		17.8	108.8	3.34	102.3	3.20	97.4	2.93	94.9	2.93	90.9	2.78	86.5	2.65
		35.5	108.8	3.34	102.3	3.07	97.4	2.93	94.9	2.78	90.9	2.65	86.5	2.51
		44.4	108.8	3.34	102.3	3.07	97.4	2.78	94.9	2.78	90.9	2.65	86.5	2.51
		53.3	108.8	3.34	102.3	3.07	97.4	2.71	94.9	2.78	90.9	2.65	86.5	2.51
	104	14.2	108.8	3.07	102.3	2.96	97.4	2.65	94.9	2.69	90.9	2.54	86.5	2.36
		17.8	108.8	3.07	102.3	2.93	97.4	2.65	94.9	2.65	90.9	2.51	86.5	2.36
		35.5	108.8	3.07	102.3	2.78	97.4	2.65	94.9	2.51	90.9	2.36	86.5	2.36
		44.4	108.8	3.07	102.3	2.78	97.4	2.65	94.9	2.51	90.9	2.36	86.5	2.36
		53.3	108.8	3.07	102.3	2.78	97.4	2.65	94.9	2.51	90.9	2.36	86.5	2.36
	113	14.2	108.8	2.78	102.3	2.69	97.4	2.36	94.9	2.40	90.9	2.27	86.5	2.05
		17.8	108.8	2.78	102.3	2.65	97.4	2.36	94.9	2.36	90.9	2.23	86.5	2.09
		35.5	108.8	2.78	102.3	2.51	97.4	2.36	94.9	2.23	90.9	2.09	86.5	2.23
		44.4	108.8	2.78	102.3	2.51	97.4	2.51	94.9	2.23	90.9	2.09	86.5	2.23
		53.3	108.8	2.78	102.3	2.51	97.4	2.58	94.9	2.23	90.9	2.09	86.5	2.23

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN144DAS4, ARWB144DAS4

144,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	14.2	36.3	3.26	34.1	3.09	32.2	2.92	31.7	2.76	31.6	2.59	31.0	2.46
		17.8	37.5	3.33	35.3	3.16	33.3	2.98	32.9	2.83	32.7	2.65	32.1	2.51
		35.5	42.3	3.60	39.8	3.43	37.7	3.23	37.2	3.07	37.1	2.88	36.3	2.71
		44.4	46.9	3.89	44.0	3.69	41.6	3.49	41.1	3.32	40.8	3.10	40.2	2.93
		53.3	49.1	4.04	46.1	3.82	43.6	3.62	43.1	3.44	42.7	3.21	42.2	3.03
	32	14.2	64.7	4.77	59.9	4.53	55.7	4.27	54.5	4.05	53.8	3.81	51.8	3.59
		17.8	65.1	4.79	60.3	4.54	56.1	4.28	54.9	4.06	54.1	3.82	52.1	3.60
		35.5	66.6	4.83	61.6	4.58	57.4	4.34	56.2	4.12	55.5	3.86	53.3	3.65
		44.4	67.7	4.83	62.5	4.58	58.2	4.34	57.1	4.12	56.2	3.86	54.3	3.65
		53.3	68.2	4.83	63.0	4.58	58.5	4.34	57.6	4.12	56.6	3.86	54.7	3.65
	41	14.2	89.5	5.19	84.8	4.92	80.9	4.64	79.0	4.42	75.5	4.15	72.0	3.90
		17.8	89.7	5.22	85.0	4.94	80.9	4.67	79.0	4.44	75.5	4.17	72.0	3.92
		35.5	90.4	5.32	85.6	5.04	81.1	4.77	79.0	4.53	75.5	4.24	72.0	4.01
		44.4	90.4	5.36	85.4	5.09	81.1	4.80	79.0	4.55	75.5	4.28	72.0	4.04
		53.3	90.4	5.38	85.4	5.11	81.1	4.81	79.0	4.57	75.5	4.30	72.0	4.05
	50	14.2	90.0	4.78	85.0	4.50	80.9	4.23	79.0	4.04	75.5	3.74	72.0	3.57
		17.8	90.1	4.77	85.1	4.50	80.9	4.22	79.0	4.04	75.5	3.75	72.0	3.56
		35.5	90.4	4.74	85.6	4.48	81.1	4.19	79.0	4.01	75.5	3.79	72.0	3.53
		44.4	90.4	4.77	85.4	4.50	81.1	4.21	79.0	4.02	75.5	3.73	72.0	3.55
		53.3	90.4	4.79	85.4	4.50	81.1	4.22	79.0	4.03	75.5	3.70	72.0	3.55
	59	14.2	90.4	4.36	85.4	4.07	81.1	3.80	79.0	3.65	75.5	3.34	72.0	3.23
		17.8	90.4	4.32	85.4	4.04	81.1	3.76	79.0	3.62	75.5	3.34	72.0	3.20
		35.5	90.4	4.18	85.4	3.91	81.1	3.62	79.0	3.49	75.5	3.34	72.0	3.07
		44.4	90.4	4.18	85.4	3.91	81.1	3.62	79.0	3.49	75.5	3.20	72.0	3.07
		53.3	90.4	4.18	85.4	3.91	81.1	3.62	79.0	3.49	75.5	3.13	72.0	3.07
	68	14.2	90.4	3.80	85.4	3.52	81.1	3.38	79.0	3.23	75.5	3.11	72.0	2.78
		17.8	90.4	3.76	85.4	3.49	81.1	3.34	79.0	3.20	75.5	3.07	72.0	2.78
		35.5	90.4	3.62	85.4	3.34	81.1	3.20	79.0	3.07	75.5	2.93	72.0	2.78
		44.4	90.4	3.62	85.4	3.34	81.1	3.20	79.0	3.07	75.5	2.93	72.0	2.78
		53.3	90.4	3.62	85.4	3.34	81.1	3.20	79.0	3.07	75.5	2.93	72.0	2.78
	77	14.2	90.4	3.38	85.4	3.07	81.1	2.96	79.0	2.78	75.5	2.65	72.0	2.51
		17.8	90.4	3.34	85.4	3.07	81.1	2.93	79.0	2.78	75.5	2.65	72.0	2.51
		35.5	90.4	3.20	85.4	3.07	81.1	2.78	79.0	2.78	75.5	2.65	72.0	2.51
		44.4	90.4	3.20	85.4	3.07	81.1	2.78	79.0	2.78	75.5	2.65	72.0	2.51
		53.3	90.4	3.20	85.4	3.07	81.1	2.78	79.0	2.78	75.5	2.65	72.0	2.51
	86	14.2	90.4	3.11	85.4	2.81	81.1	2.69	79.0	2.51	75.5	2.54	72.0	2.40
		17.8	90.4	3.07	85.4	2.78	81.1	2.65	79.0	2.51	75.5	2.51	72.0	2.36
		35.5	90.4	2.93	85.4	2.65	81.1	2.51	79.0	2.51	75.5	2.36	72.0	2.23
		44.4	90.4	2.93	85.4	2.65	81.1	2.51	79.0	2.51	75.5	2.36	72.0	2.23
		53.3	90.4	2.93	85.4	2.65	81.1	2.51	79.0	2.51	75.5	2.36	72.0	2.23
	95	14.2	90.4	2.81	85.4	2.51	81.1	2.36	79.0	2.40	75.5	2.23	72.0	2.09
		17.8	90.4	2.78	85.4	2.51	81.1	2.36	79.0	2.36	75.5	2.23	72.0	2.09
		35.5	90.4	2.65	85.4	2.51	81.1	2.36	79.0	2.23	75.5	2.23	72.0	2.09
		44.4	90.4	2.65	85.4	2.51	81.1	2.36	79.0	2.23	75.5	2.23	72.0	2.09
		53.3	90.4	2.65	85.4	2.51	81.1	2.36	79.0	2.23	75.5	2.23	72.0	2.09
	104	14.2	90.4	2.54	85.4	2.40	81.1	2.27	79.0	2.09	75.5	2.13	72.0	1.95
		17.8	90.4	2.51	85.4	2.36	81.1	2.23	79.0	2.09	75.5	2.09	72.0	1.95
		35.5	90.4	2.36	85.4	2.23	81.1	2.09	79.0	2.09	75.5	1.95	72.0	1.95
		44.4	90.4	2.36	85.4	2.23	81.1	2.09	79.0	2.09	75.5	1.95	72.0	1.95
		53.3	90.4	2.36	85.4	2.23	81.1	2.09	79.0	2.09	75.5	1.95	72.0	1.95
	113	14.2	90.4	2.27	85.4	2.31	81.1	2.16	79.0	1.78	75.5	2.02	72.0	1.82
		17.8	90.4	2.23	85.4	2.23	81.1	2.09	79.0	1.82	75.5	1.95	72.0	1.82
		35.5	90.4	2.09	85.4	1.95	81.1	1.82	79.0	1.95	75.5	1.67	72.0	1.82
		44.4	90.4	2.09	85.4	1.95	81.1	1.82	79.0	1.95	75.5	1.67	72.0	1.82
		53.3	90.4	2.09	85.4	1.95	81.1	1.82	79.0	1.95	75.5	1.67	72.0	1.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	18.3	89.4	10.55	88.8	9.93	88.2	9.24	87.0	8.97	88.1	8.74	85.6	7.83
		22.9	92.5	10.73	91.8	10.12	91.2	9.44	90.0	9.17	91.1	8.92	88.6	8.00
		45.7	104.6	11.46	103.7	10.89	103.2	10.24	101.8	9.95	103.0	9.67	100.4	8.68
		57.1	115.7	12.19	114.6	11.63	113.9	11.04	112.5	10.75	113.9	10.43	110.9	9.36
		68.6	121.3	12.56	120.1	12.01	119.3	11.44	117.9	11.15	119.4	10.82	116.3	9.70
	32	18.3	159.7	14.42	156.1	13.99	152.8	13.54	149.4	13.16	150.0	12.80	143.1	11.46
		22.9	160.7	14.46	157.0	14.03	153.7	13.58	150.3	13.20	150.8	12.83	144.0	11.49
		45.7	164.6	14.62	160.5	14.17	157.2	13.73	153.8	13.35	154.4	12.97	147.5	11.63
		57.1	167.0	14.62	163.0	14.17	159.6	13.73	156.1	13.35	156.7	12.97	149.6	11.63
		68.6	168.3	14.62	164.2	14.17	160.9	13.73	157.3	13.35	157.8	12.97	150.7	11.63
	41	18.3	230.0	15.50	226.6	15.12	221.8	14.74	216.3	14.32	210.4	13.92	198.8	12.47
		22.9	230.8	15.57	227.0	15.19	221.9	14.81	216.3	14.39	210.4	13.99	198.8	12.54
		45.7	234.0	15.85	228.6	15.47	222.1	15.11	216.3	14.69	210.4	14.27	198.8	12.80
		57.1	235.4	15.96	229.3	15.57	222.1	15.21	216.3	14.79	210.4	14.38	198.8	12.88
		68.6	236.1	16.01	229.6	15.63	222.1	15.26	216.3	14.84	210.4	14.43	198.8	12.93
	50	18.3	230.3	14.11	226.6	13.63	221.2	13.38	215.4	13.08	209.6	12.63	198.0	11.40
		22.9	231.7	14.08	227.7	13.65	222.1	13.40	216.3	13.07	210.4	12.62	198.8	11.39
		45.7	237.2	13.98	231.9	13.70	225.6	13.51	219.8	13.06	213.6	12.59	202.0	11.35
		57.1	238.4	14.17	233.5	13.89	227.0	13.56	220.8	13.11	215.0	12.80	203.2	11.89
		68.6	239.0	14.26	234.3	13.99	227.7	13.59	221.4	13.13	215.7	12.90	203.9	12.16
	59	18.3	230.7	12.71	226.7	12.17	220.3	12.04	214.5	11.84	208.9	11.34	197.2	10.33
		22.9	232.6	12.59	228.4	12.12	222.1	12.01	216.3	11.75	210.4	11.25	198.8	10.24
		45.7	240.2	12.08	235.2	11.91	229.1	11.91	223.3	11.41	216.8	10.90	205.2	9.90
		57.1	241.4	12.38	237.5	12.19	231.9	11.91	225.6	11.41	219.8	11.22	207.6	10.90
		68.6	242.0	12.53	238.7	12.33	233.3	11.91	226.7	11.41	221.3	11.37	208.9	11.41
	68	18.3	239.5	11.66	235.1	11.12	228.9	10.88	222.6	10.53	216.1	10.29	203.3	9.98
		22.9	241.4	11.58	237.0	11.11	230.7	10.87	224.3	10.57	218.0	10.37	205.2	9.90
		45.7	249.0	11.25	244.6	11.08	237.7	10.83	231.4	10.75	225.6	10.64	212.7	9.57
		57.1	250.0	11.25	246.3	11.08	240.5	10.90	233.7	10.75	227.3	10.64	214.5	10.17
		68.6	250.5	11.25	247.2	11.08	241.9	10.94	234.8	10.75	228.2	10.64	215.4	10.48
	77	18.3	252.8	11.12	246.3	10.80	240.5	10.62	235.9	10.44	230.7	10.29	217.5	9.61
		22.9	252.8	11.08	246.3	10.78	240.5	10.57	235.9	10.40	230.7	10.24	217.5	9.57
		45.7	252.8	10.90	246.3	10.71	240.5	10.40	235.9	10.24	230.7	10.07	217.5	9.39
		57.1	252.8	10.75	246.3	10.43	240.5	10.24	235.9	10.07	230.7	9.90	217.5	9.24
		68.6	252.8	10.67	246.3	10.29	240.5	10.16	235.9	9.98	230.7	9.81	217.5	9.16
	86	18.3	252.8	10.83	246.3	10.30	240.5	10.20	235.9	9.94	230.7	9.83	217.5	9.15
		22.9	252.8	10.75	246.3	10.28	240.5	10.14	235.9	9.90	230.7	9.74	217.5	9.06
		45.7	252.8	10.40	246.3	10.21	240.5	9.90	235.9	9.74	230.7	9.39	217.5	8.73
		57.1	252.8	10.24	246.3	9.93	240.5	9.74	235.9	9.57	230.7	9.39	217.5	8.73
		68.6	252.8	10.16	246.3	9.79	240.5	9.66	235.9	9.48	230.7	9.39	217.5	8.73
	95	18.3	252.8	10.33	246.3	9.99	240.5	9.78	235.9	9.43	230.7	9.11	217.5	8.47
		22.9	252.8	10.24	246.3	9.93	240.5	9.74	235.9	9.39	230.7	9.06	217.5	8.39
		45.7	252.8	9.90	246.3	9.71	240.5	9.57	235.9	9.24	230.7	8.89	217.5	8.06
		57.1	252.8	9.90	246.3	9.60	240.5	9.39	235.9	9.06	230.7	8.73	217.5	8.06
		68.6	252.8	9.90	246.3	9.55	240.5	9.31	235.9	8.98	230.7	8.65	217.5	8.06
	104	18.3	252.8	9.98	246.3	9.66	240.5	9.48	235.9	9.15	230.7	8.82	217.5	7.97
		22.9	252.8	9.90	246.3	9.60	240.5	9.39	235.9	9.06	230.7	8.73	217.5	7.88
		45.7	252.8	9.57	246.3	9.36	240.5	9.06	235.9	8.73	230.7	8.39	217.5	7.55
		57.1	252.8	9.39	246.3	9.20	240.5	9.06	235.9	8.73	230.7	8.39	217.5	7.55
		68.6	252.8	9.31	246.3	9.12	240.5	9.06	235.9	8.73	230.7	8.39	217.5	7.55
	113	18.3	252.8	9.65	246.3	9.33	240.5	9.19	235.9	8.86	230.7	8.51	217.5	7.46
		22.9	252.8	9.57	246.3	9.27	240.5	9.06	235.9	8.73	230.7	8.39	217.5	7.38
		45.7	252.8	9.24	246.3	9.03	240.5	8.56	235.9	8.23	230.7	7.88	217.5	7.05
		57.1	252.8	8.89	246.3	8.80	240.5	8.73	235.9	8.39	230.7	8.06	217.5	7.05
		68.6	252.8	8.71	246.3	8.69	240.5	8.82	235.9	8.46	230.7	8.14	217.5	7.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	18.3	85.0	10.55	84.3	9.93	83.8	9.24	82.8	8.85	83.4	8.60	81.2	7.69
		22.9	87.9	10.73	87.2	10.12	86.7	9.44	85.6	9.05	86.3	8.79	84.0	7.87
		45.7	99.5	11.46	98.6	10.89	98.1	10.24	96.9	9.81	97.8	9.53	95.1	8.54
		57.1	109.9	12.19	109.0	11.63	108.3	11.04	107.1	10.59	107.9	10.28	105.0	9.20
		68.6	115.1	12.56	114.2	12.01	113.4	11.44	112.2	10.98	113.1	10.65	109.9	9.53
	32	18.3	151.9	14.42	148.2	13.99	145.0	13.54	142.1	12.96	142.1	12.60	135.6	11.27
		22.9	152.8	14.46	149.1	14.03	145.9	13.58	142.9	13.00	142.9	12.64	136.4	11.30
		45.7	156.3	14.62	152.6	14.17	149.4	13.73	146.3	13.16	146.3	12.78	139.8	11.44
		57.1	158.8	14.62	155.1	14.17	151.7	13.73	148.6	13.16	148.4	12.78	141.9	11.44
		68.6	160.0	14.62	156.3	14.17	152.9	13.73	149.7	13.16	149.5	12.78	142.9	11.44
	41	18.3	219.0	15.50	215.7	15.12	211.0	14.74	205.9	14.11	199.4	13.72	188.5	12.28
		22.9	219.8	15.57	216.1	15.19	211.0	14.81	205.9	14.18	199.4	13.79	188.5	12.34
		45.7	222.9	15.85	217.7	15.47	211.0	15.11	205.9	14.48	199.4	14.06	188.5	12.59
		57.1	224.2	15.96	216.4	15.57	211.0	15.21	205.9	14.58	199.4	14.17	188.5	12.67
		68.6	224.8	16.01	215.8	15.63	211.0	15.26	205.9	14.64	199.4	14.22	188.5	12.72
	50	18.3	219.8	13.93	215.7	13.54	210.4	13.27	205.3	12.87	198.8	12.44	188.0	11.19
		22.9	220.8	13.98	216.6	13.59	211.0	13.32	205.9	12.88	199.4	12.43	188.5	11.20
		45.7	224.9	14.17	220.1	13.80	213.3	13.51	208.2	12.95	201.5	12.40	190.4	11.25
		57.1	226.1	14.12	219.4	13.80	214.1	13.56	209.0	13.00	202.4	12.45	191.3	11.63
		68.6	226.7	14.09	219.1	13.80	214.6	13.59	209.5	13.03	202.8	12.47	191.7	11.83
	59	18.3	220.4	12.35	216.0	11.99	209.8	11.80	204.7	11.62	198.4	11.16	187.5	10.11
		22.9	221.7	12.38	217.3	12.01	211.0	11.82	205.9	11.58	199.4	11.08	188.5	10.07
		45.7	226.8	12.48	222.6	12.12	215.7	11.91	210.4	11.41	203.4	10.75	192.5	9.90
		57.1	228.0	12.29	222.4	12.01	217.5	11.91	212.2	11.41	205.2	10.75	194.3	10.57
		68.6	228.7	12.20	222.3	11.96	218.4	11.91	213.1	11.41	206.1	10.75	195.2	10.91
	68	18.3	226.6	11.11	222.3	10.64	215.6	10.36	209.6	10.20	202.8	10.08	191.9	9.57
		22.9	228.0	11.11	223.6	10.68	216.8	10.40	211.0	10.24	204.1	10.07	193.0	9.53
		45.7	233.8	11.11	228.9	10.83	221.5	10.57	216.3	10.40	209.2	10.04	197.6	9.39
		57.1	234.9	11.01	228.7	10.75	223.3	10.57	217.5	10.40	210.4	10.07	198.8	9.74
		68.6	235.4	10.96	228.6	10.70	224.2	10.57	218.1	10.40	211.1	10.09	199.5	9.92
	77	18.3	237.6	10.51	230.7	10.02	223.3	9.83	218.5	9.61	212.7	9.43	201.1	8.78
		22.9	237.7	10.47	230.7	10.00	223.3	9.81	218.5	9.57	212.7	9.39	201.1	8.73
		45.7	238.2	10.31	230.7	9.93	223.3	9.74	218.5	9.39	212.7	9.24	201.1	8.56
		57.1	238.9	9.93	230.7	9.67	223.3	9.57	218.5	9.39	212.7	9.06	201.1	8.56
		68.6	239.3	9.74	230.7	9.54	223.3	9.48	218.5	9.39	212.7	8.98	201.1	8.56
	86	18.3	238.9	10.05	230.7	9.55	223.3	9.28	218.5	8.93	212.7	8.82	201.1	8.10
		22.9	238.9	9.97	230.7	9.50	223.3	9.24	218.5	8.89	212.7	8.73	201.1	8.06
		45.7	238.9	9.64	230.7	9.27	223.3	9.06	218.5	8.73	212.7	8.39	201.1	7.88
		57.1	238.9	9.32	230.7	9.06	223.3	8.89	218.5	8.73	212.7	8.39	201.1	7.73
		68.6	238.9	9.17	230.7	8.96	223.3	8.80	218.5	8.73	212.7	8.39	201.1	7.65
	95	18.3	238.9	9.60	230.7	9.08	223.3	8.82	218.5	8.47	212.7	8.14	201.1	7.42
		22.9	238.9	9.46	230.7	8.99	223.3	8.73	218.5	8.39	212.7	8.06	201.1	7.38
		45.7	238.9	8.92	230.7	8.66	223.3	8.39	218.5	8.06	212.7	7.73	201.1	7.22
		57.1	238.9	8.82	230.7	8.59	223.3	8.39	218.5	8.06	212.7	7.73	201.1	7.05
		68.6	238.9	8.77	230.7	8.56	223.3	8.39	218.5	8.06	212.7	7.73	201.1	6.96
	104	18.3	238.9	9.31	230.7	8.66	223.3	8.32	218.5	7.97	212.7	7.64	201.1	6.91
		22.9	238.9	9.13	230.7	8.56	223.3	8.23	218.5	7.88	212.7	7.55	201.1	6.88
		45.7	238.9	8.42	230.7	8.16	223.3	7.88	218.5	7.55	212.7	7.22	201.1	6.72
		57.1	238.9	8.32	230.7	8.06	223.3	7.88	218.5	7.55	212.7	7.22	201.1	6.55
		68.6	238.9	8.26	230.7	8.00	223.3	7.88	218.5	7.55	212.7	7.22	201.1	6.46
	113	18.3	238.9	9.03	230.7	8.24	223.3	7.81	218.5	7.46	212.7	7.13	201.1	6.41
		22.9	238.9	8.80	230.7	8.13	223.3	7.73	218.5	7.38	212.7	7.05	201.1	6.37
		45.7	238.9	7.92	230.7	7.66	223.3	7.38	218.5	7.05	212.7	6.72	201.1	6.22
		57.1	238.9	7.81	230.7	7.52	223.3	7.38	218.5	7.05	212.7	6.72	201.1	6.04
		68.6	238.9	7.76	230.7	7.45	223.3	7.38	218.5	7.05	212.7	6.72	201.1	5.95

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168DAS4, ARWB168DAS4
168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	18.3	80.4	10.68	79.9	9.93	79.4	9.24	78.5	8.85	78.7	8.60	77.0	7.69
		22.9	83.2	10.87	82.6	10.12	82.1	9.44	81.2	9.05	81.4	8.79	79.6	7.87
		45.7	94.1	11.60	93.5	10.89	93.0	10.24	92.0	9.81	92.0	9.53	90.2	8.54
		57.1	103.9	12.34	103.2	11.63	102.7	11.04	101.6	10.59	101.6	10.28	99.5	9.20
		68.6	108.9	12.72	108.1	12.01	107.5	11.44	106.5	10.98	106.5	10.65	104.2	9.53
	32	18.3	143.7	14.62	140.5	13.99	137.6	13.54	134.9	12.96	133.7	12.60	128.6	11.27
		22.9	144.5	14.65	141.4	14.03	138.4	13.58	135.7	13.00	134.5	12.64	129.4	11.30
		45.7	147.9	14.79	144.7	14.17	141.5	13.73	138.9	13.16	137.7	12.78	132.4	11.44
		57.1	150.1	14.79	147.0	14.17	143.8	13.73	141.0	13.16	139.8	12.78	134.3	11.44
		68.6	151.3	14.79	148.1	14.17	145.0	13.73	142.1	13.16	140.8	12.78	135.3	11.44
	41	18.3	209.6	15.71	204.6	15.12	199.9	14.74	195.3	14.11	187.8	13.72	178.6	12.28
		22.9	210.3	15.78	205.0	15.19	199.9	14.81	195.3	14.18	187.8	13.79	178.6	12.34
		45.7	213.1	16.06	206.6	15.47	200.1	15.11	195.3	14.48	187.8	14.06	178.6	12.59
		57.1	214.3	16.16	207.1	15.57	200.1	15.21	195.3	14.58	187.8	14.17	178.6	12.67
		68.6	214.9	16.22	207.4	15.63	200.1	15.26	195.3	14.64	187.8	14.22	178.6	12.72
	50	18.3	210.4	14.09	205.2	13.61	199.6	13.31	195.0	12.87	187.5	12.44	178.4	11.19
		22.9	211.2	14.12	205.7	13.65	199.9	13.35	195.3	12.88	187.8	12.43	178.6	11.20
		45.7	214.3	14.22	207.8	13.80	201.1	13.51	196.6	12.95	189.0	12.40	179.5	11.25
		57.1	215.5	14.22	208.7	13.80	201.8	13.47	196.9	12.92	189.4	12.45	180.0	11.37
		68.6	216.2	14.22	209.1	13.80	202.2	13.46	197.1	12.90	189.5	12.47	180.3	11.43
	59	18.3	211.0	12.47	205.5	12.12	199.5	11.91	194.8	11.62	187.1	11.16	178.2	10.11
		22.9	211.9	12.45	206.2	12.12	200.1	11.91	195.3	11.58	187.8	11.08	178.6	10.07
		45.7	215.4	12.38	209.2	12.12	202.4	11.91	197.6	11.41	190.2	10.75	180.4	9.90
		57.1	216.6	12.29	210.3	12.01	203.4	11.75	198.3	11.25	190.8	10.75	181.4	10.07
		68.6	217.2	12.25	210.8	11.96	203.9	11.68	198.7	11.17	191.0	10.75	182.0	10.16
	68	18.3	214.9	10.76	209.0	10.50	202.3	10.24	196.9	10.07	189.7	9.78	179.7	9.15
		22.9	216.1	10.78	209.7	10.50	202.9	10.24	197.6	10.07	190.2	9.74	180.4	9.13
		45.7	220.6	10.87	212.6	10.50	205.2	10.24	200.6	10.07	192.5	9.57	183.2	9.06
		57.1	221.9	10.87	214.3	10.50	206.4	10.24	201.1	9.90	193.6	9.57	183.7	9.06
		68.6	222.5	10.87	215.2	10.50	207.0	10.24	201.4	9.81	194.1	9.57	184.0	9.06
	77	18.3	221.6	9.79	215.0	9.43	206.4	9.28	201.8	8.93	194.8	8.60	184.4	7.88
		22.9	222.1	9.77	215.0	9.39	206.4	9.24	201.8	8.89	194.8	8.56	184.4	7.88
		45.7	223.8	9.71	215.0	9.24	206.4	9.06	201.8	8.73	194.8	8.39	184.4	7.88
		57.1	224.9	9.71	215.0	9.27	206.4	8.89	201.8	8.73	194.8	8.23	184.4	7.73
		68.6	225.4	9.71	215.0	9.29	206.4	8.80	201.8	8.73	194.8	8.15	184.4	7.65
	86	18.3	224.9	8.93	215.0	8.60	206.4	8.27	201.8	8.10	194.8	7.60	184.4	7.09
		22.9	224.9	8.89	215.0	8.56	206.4	8.23	201.8	8.06	194.8	7.55	184.4	7.05
		45.7	224.9	8.73	215.0	8.39	206.4	8.06	201.8	7.88	194.8	7.38	184.4	6.88
		57.1	224.9	8.66	215.0	8.23	206.4	7.88	201.8	7.73	194.8	7.38	184.4	6.88
		68.6	224.9	8.63	215.0	8.15	206.4	7.79	201.8	7.65	194.8	7.38	184.4	6.88
	95	18.3	224.9	8.47	215.0	7.92	206.4	7.60	201.8	7.27	194.8	6.91	184.4	6.41
		22.9	224.9	8.39	215.0	7.88	206.4	7.55	201.8	7.22	194.8	6.88	184.4	6.37
		45.7	224.9	8.06	215.0	7.73	206.4	7.38	201.8	7.05	194.8	6.72	184.4	6.22
		57.1	224.9	7.85	215.0	7.55	206.4	7.22	201.8	7.05	194.8	6.72	184.4	6.22
		68.6	224.9	7.74	215.0	7.47	206.4	7.14	201.8	7.05	194.8	6.72	184.4	6.22
	104	18.3	224.9	7.97	215.0	7.64	206.4	7.13	201.8	6.76	194.8	6.41	184.4	5.91
		22.9	224.9	7.88	215.0	7.55	206.4	7.05	201.8	6.72	194.8	6.37	184.4	5.87
		45.7	224.9	7.55	215.0	7.22	206.4	6.72	201.8	6.55	194.8	6.22	184.4	5.71
		57.1	224.9	7.45	215.0	7.05	206.4	6.72	201.8	6.37	194.8	6.04	184.4	5.54
		68.6	224.9	7.40	215.0	6.96	206.4	6.72	201.8	6.28	194.8	5.95	184.4	5.45
	113	18.3	224.9	7.46	215.0	7.35	206.4	6.67	201.8	6.26	194.8	5.91	184.4	5.40
		22.9	224.9	7.38	215.0	7.22	206.4	6.55	201.8	6.22	194.8	5.87	184.4	5.36
		45.7	224.9	7.05	215.0	6.72	206.4	6.04	201.8	6.04	194.8	5.71	184.4	5.21
		57.1	224.9	7.05	215.0	6.55	206.4	6.22	201.8	5.71	194.8	5.36	184.4	4.86
		68.6	224.9	7.05	215.0	6.46	206.4	6.30	201.8	5.55	194.8	5.19	184.4	4.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	18.3	76.0	10.68	75.4	10.07	75.1	9.24	74.5	8.85	73.8	8.46	72.4	7.69
		22.9	78.6	10.87	78.1	10.26	77.7	9.44	77.0	9.05	76.3	8.65	74.9	7.87
		45.7	89.0	11.60	88.4	11.02	87.9	10.24	87.0	9.81	86.3	9.39	84.9	8.54
		57.1	98.3	12.34	97.6	11.79	97.0	11.04	96.2	10.59	95.5	10.12	93.7	9.20
		68.6	103.0	12.72	102.2	12.17	101.7	11.44	100.8	10.98	100.1	10.49	98.1	9.53
	32	18.3	135.8	14.62	132.8	14.18	130.1	13.54	127.8	12.96	125.5	12.41	121.1	11.27
		22.9	136.6	14.65	133.6	14.22	130.8	13.58	128.5	13.00	126.2	12.45	121.8	11.30
		45.7	139.8	14.79	136.8	14.36	133.8	13.73	131.5	13.16	129.2	12.59	124.7	11.44
		57.1	141.9	14.79	138.9	14.36	135.9	13.73	133.4	13.16	131.2	12.59	126.6	11.44
		68.6	142.9	14.79	140.0	14.36	137.0	13.73	134.4	13.16	132.1	12.59	127.6	11.44
	41	18.3	200.4	15.71	193.7	15.33	188.8	14.74	185.0	14.11	176.2	13.51	168.1	12.28
		22.9	201.1	15.78	194.1	15.40	188.8	14.81	185.0	14.18	176.2	13.58	168.1	12.34
		45.7	203.9	16.06	195.5	15.68	189.0	15.11	185.0	14.48	176.2	13.85	168.1	12.59
		57.1	205.2	16.16	196.0	15.78	189.0	15.21	185.0	14.58	176.2	13.94	168.1	12.67
		68.6	205.8	16.22	196.3	15.83	189.0	15.26	185.0	14.64	176.2	13.99	168.1	12.72
	50	18.3	201.5	14.05	194.4	13.74	189.0	13.31	185.0	12.87	176.2	12.23	168.1	11.19
		22.9	202.0	14.12	194.6	13.79	189.0	13.35	185.0	12.88	176.2	12.24	168.1	11.20
		45.7	203.9	14.38	195.7	13.96	189.0	13.51	185.0	12.95	176.2	12.29	168.1	11.25
		57.1	205.4	14.32	196.6	13.96	189.0	13.47	185.0	12.92	176.2	12.26	168.1	11.20
		68.6	206.1	14.30	197.0	13.96	189.0	13.46	185.0	12.90	176.2	12.24	168.1	11.17
	59	18.3	202.6	12.39	195.2	12.18	189.0	11.91	185.0	11.62	176.2	10.94	168.1	10.11
		22.9	202.9	12.45	195.3	12.19	189.0	11.91	185.0	11.58	176.2	10.90	168.1	10.07
		45.7	203.9	12.69	195.9	12.22	189.0	11.91	185.0	11.41	176.2	10.75	168.1	9.90
		57.1	205.7	12.48	196.9	12.12	189.0	11.75	185.0	11.25	176.2	10.57	168.1	9.74
		68.6	206.6	12.38	197.4	12.07	189.0	11.68	185.0	11.17	176.2	10.49	168.1	9.66
	68	18.3	203.7	10.59	196.3	10.32	189.0	10.07	185.0	9.94	176.2	9.28	168.1	8.82
		22.9	204.5	10.64	196.4	10.33	189.0	10.07	185.0	9.90	176.2	9.24	168.1	8.73
		45.7	207.5	10.83	196.9	10.37	189.0	10.07	185.0	9.74	176.2	9.06	168.1	8.39
		57.1	208.7	10.64	198.7	10.28	189.0	9.90	185.0	9.57	176.2	8.89	168.1	8.23
		68.6	209.3	10.55	199.6	10.23	189.0	9.81	185.0	9.48	176.2	8.80	168.1	8.15
	77	18.3	206.2	9.26	199.4	8.97	189.0	8.60	185.0	8.27	176.2	7.77	168.1	7.05
		22.9	206.9	9.27	199.4	8.92	189.0	8.56	185.0	8.23	176.2	7.73	168.1	7.05
		45.7	209.9	9.31	199.4	8.73	189.0	8.39	185.0	8.06	176.2	7.55	168.1	7.05
		57.1	211.0	9.10	199.4	8.66	189.0	8.23	185.0	7.88	176.2	7.55	168.1	6.88
		68.6	211.5	8.99	199.4	8.63	189.0	8.15	185.0	7.79	176.2	7.55	168.1	6.79
	86	18.3	211.0	8.43	199.4	7.77	189.0	7.24	185.0	7.09	176.2	6.55	168.1	6.26
		22.9	211.0	8.39	199.4	7.73	189.0	7.22	185.0	7.05	176.2	6.55	168.1	6.22
		45.7	211.0	8.23	199.4	7.55	189.0	7.15	185.0	6.88	176.2	6.55	168.1	6.04
		57.1	211.0	8.06	199.4	7.55	189.0	7.05	185.0	6.88	176.2	6.37	168.1	6.04
		68.6	211.0	7.97	199.4	7.55	189.0	7.00	185.0	6.88	176.2	6.28	168.1	6.04
	95	18.3	211.0	7.81	199.4	7.13	189.0	6.39	185.0	6.26	176.2	5.91	168.1	5.40
		22.9	211.0	7.73	199.4	7.05	189.0	6.37	185.0	6.22	176.2	5.87	168.1	5.36
		45.7	211.0	7.38	199.4	6.72	189.0	6.30	185.0	6.04	176.2	5.71	168.1	5.21
		57.1	211.0	7.38	199.4	6.72	189.0	6.22	185.0	6.04	176.2	5.71	168.1	5.21
		68.6	211.0	7.38	199.4	6.72	189.0	6.17	185.0	6.04	176.2	5.71	168.1	5.21
	104	18.3	211.0	7.31	199.4	6.63	189.0	5.73	185.0	5.58	176.2	5.25	168.1	4.90
		22.9	211.0	7.22	199.4	6.55	189.0	5.71	185.0	5.54	176.2	5.21	168.1	4.86
		45.7	211.0	6.88	199.4	6.22	189.0	5.64	185.0	5.36	176.2	5.04	168.1	4.71
		57.1	211.0	6.72	199.4	6.22	189.0	5.54	185.0	5.36	176.2	5.04	168.1	4.71
		68.6	211.0	6.64	199.4	6.22	189.0	5.49	185.0	5.36	176.2	5.04	168.1	4.71
	113	18.3	211.0	6.81	199.4	6.13	189.0	5.05	185.0	4.90	176.2	4.58	168.1	4.40
		22.9	211.0	6.72	199.4	6.04	189.0	5.04	185.0	4.86	176.2	4.53	168.1	4.36
		45.7	211.0	6.37	199.4	5.71	189.0	4.97	185.0	4.71	176.2	4.36	168.1	4.20
		57.1	211.0	6.04	199.4	5.71	189.0	4.86	185.0	4.71	176.2	4.36	168.1	4.20
		68.6	211.0	5.88	199.4	5.71	189.0	4.81	185.0	4.71	176.2	4.36	168.1	4.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	18.3	71.7	9.92	69.5	9.03	67.5	7.93	67.0	7.56	66.4	7.29	65.3	6.54
		22.9	74.2	10.09	71.9	9.20	69.8	8.11	69.3	7.73	68.7	7.45	67.5	6.68
		45.7	84.0	10.76	81.4	9.88	78.9	8.80	78.4	8.39	77.9	8.09	76.3	7.26
		57.1	92.8	11.44	89.8	10.57	87.2	9.50	86.5	9.05	86.0	8.72	84.4	7.83
		68.6	97.3	11.78	94.1	10.92	91.4	9.85	90.6	9.38	90.0	9.03	88.5	8.12
	32	18.3	128.3	13.51	122.4	12.67	116.7	11.64	115.0	11.10	113.1	10.68	108.9	9.59
		22.9	129.0	13.54	123.1	12.71	117.4	11.67	115.7	11.13	113.8	10.71	109.5	9.62
		45.7	132.0	13.68	125.9	12.85	120.3	11.79	118.3	11.25	116.4	10.83	112.2	9.72
		57.1	134.0	13.68	127.8	12.85	122.2	11.79	120.1	11.25	118.3	10.83	113.9	9.72
		68.6	134.9	13.68	128.8	12.85	123.2	11.79	121.0	11.25	119.3	10.83	114.8	9.72
	41	18.3	181.3	14.50	175.4	13.68	169.8	12.66	166.3	12.07	158.9	11.62	151.4	10.43
		22.9	181.4	14.57	175.3	13.75	169.8	12.73	166.3	12.14	158.9	11.68	151.4	10.49
		45.7	182.1	14.83	174.8	14.01	169.8	12.97	166.3	12.38	158.9	11.93	151.4	10.70
		57.1	183.2	14.91	175.3	14.10	169.8	13.07	166.3	12.47	158.9	12.01	151.4	10.78
		68.6	183.7	14.96	175.6	14.14	169.8	13.13	166.3	12.51	158.9	12.06	151.4	10.83
	50	18.3	182.2	12.80	176.0	12.18	169.8	11.46	166.3	10.99	158.9	10.55	151.4	9.51
		22.9	182.1	12.81	175.8	12.19	169.8	11.48	166.3	11.01	158.9	10.54	151.4	9.51
		45.7	181.8	12.85	174.9	12.24	169.8	11.53	166.3	11.06	158.9	10.50	151.4	9.55
		57.1	183.0	12.81	175.5	12.21	169.8	11.49	166.3	11.02	158.9	10.54	151.4	9.58
		68.6	183.6	12.80	175.7	12.19	169.8	11.48	166.3	11.01	158.9	10.56	151.4	9.60
	59	18.3	183.2	11.09	176.7	10.69	169.8	10.29	166.3	9.94	158.9	9.48	151.4	8.60
		22.9	182.8	11.04	176.3	10.64	169.8	10.24	166.3	9.90	158.9	9.39	151.4	8.56
		45.7	181.6	10.87	175.1	10.47	169.8	10.07	166.3	9.74	158.9	9.06	151.4	8.39
		57.1	182.8	10.71	175.6	10.31	169.8	9.90	166.3	9.57	158.9	9.06	151.4	8.39
		68.6	183.5	10.63	175.9	10.23	169.8	9.81	166.3	9.48	158.9	9.06	151.4	8.39
	68	18.3	184.3	9.36	177.4	9.09	169.8	8.78	166.3	8.43	158.9	8.14	151.4	7.64
		22.9	184.1	9.36	177.0	9.06	169.8	8.73	166.3	8.39	158.9	8.06	151.4	7.55
		45.7	183.4	9.36	175.6	8.96	169.8	8.56	166.3	8.23	158.9	7.73	151.4	7.22
		57.1	183.9	9.20	176.2	8.89	169.8	8.56	166.3	8.23	158.9	7.73	151.4	7.22
		68.6	184.2	9.12	176.4	8.85	169.8	8.56	166.3	8.23	158.9	7.73	151.4	7.22
	77	18.3	187.3	8.18	179.7	7.74	169.8	7.42	166.3	7.05	158.9	6.76	151.4	6.26
		22.9	187.8	8.16	179.7	7.73	169.8	7.38	166.3	7.05	158.9	6.72	151.4	6.22
		45.7	189.5	8.09	179.7	7.66	169.8	7.22	166.3	7.05	158.9	6.55	151.4	6.04
		57.1	190.2	7.88	179.7	7.48	169.8	7.22	166.3	6.88	158.9	6.55	151.4	6.04
		68.6	190.6	7.78	179.7	7.40	169.8	7.22	166.3	6.79	158.9	6.55	151.4	6.04
	86	18.3	190.2	7.42	179.7	6.91	169.8	6.41	166.3	6.26	158.9	5.91	151.4	5.36
		22.9	190.2	7.38	179.7	6.88	169.8	6.37	166.3	6.22	158.9	5.87	151.4	5.36
		45.7	190.2	7.22	179.7	6.72	169.8	6.22	166.3	6.04	158.9	5.71	151.4	5.36
		57.1	190.2	7.05	179.7	6.55	169.8	6.22	166.3	6.04	158.9	5.71	151.4	5.21
		68.6	190.2	6.96	179.7	6.46	169.8	6.22	166.3	6.04	158.9	5.71	151.4	5.13
	95	18.3	190.2	6.76	179.7	6.26	169.8	5.76	166.3	5.58	158.9	5.25	151.4	4.90
		22.9	190.2	6.72	179.7	6.22	169.8	5.71	166.3	5.54	158.9	5.21	151.4	4.86
		45.7	190.2	6.55	179.7	6.04	169.8	5.54	166.3	5.36	158.9	5.04	151.4	4.71
		57.1	190.2	6.37	179.7	5.87	169.8	5.36	166.3	5.21	158.9	5.04	151.4	4.71
		68.6	190.2	6.28	179.7	5.78	169.8	5.28	166.3	5.13	158.9	5.04	151.4	4.71
	104	18.3	190.2	6.30	179.7	5.76	169.8	5.08	166.3	4.90	158.9	4.75	151.4	4.40
		22.9	190.2	6.22	179.7	5.71	169.8	5.04	166.3	4.86	158.9	4.71	151.4	4.36
		45.7	190.2	5.87	179.7	5.54	169.8	4.86	166.3	4.71	158.9	4.53	151.4	4.20
		57.1	190.2	5.87	179.7	5.54	169.8	4.86	166.3	4.71	158.9	4.53	151.4	4.20
		68.6	190.2	5.87	179.7	5.54	169.8	4.86	166.3	4.71	158.9	4.53	151.4	4.20
	113	18.3	190.2	5.84	179.7	5.25	169.8	4.40	166.3	4.25	158.9	4.25	151.4	3.89
		22.9	190.2	5.71	179.7	5.21	169.8	4.36	166.3	4.20	158.9	4.20	151.4	3.85
		45.7	190.2	5.21	179.7	5.04	169.8	4.20	166.3	4.03	158.9	4.03	151.4	3.70
		57.1	190.2	5.36	179.7	5.21	169.8	4.36	166.3	4.20	158.9	4.03	151.4	3.70
		68.6	190.2	5.44	179.7	5.30	169.8	4.44	166.3	4.29	158.9	4.03	151.4	3.70

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	18.3	67.8	7.06	63.6	6.80	60.2	6.51	59.5	6.29	59.1	6.00	58.0	5.52
		22.9	70.1	7.22	65.8	6.94	62.2	6.65	61.5	6.42	61.2	6.13	60.0	5.64
		45.7	79.3	7.85	74.4	7.54	70.3	7.21	69.6	6.96	69.3	6.65	67.9	6.11
		57.1	87.7	8.46	82.1	8.13	77.7	7.78	76.8	7.52	76.5	7.17	74.9	6.60
		68.6	92.0	8.76	86.0	8.42	81.4	8.07	80.5	7.80	80.1	7.43	78.4	6.84
	32	18.3	121.1	10.37	111.7	9.95	104.0	9.54	102.1	9.21	100.6	8.78	96.8	8.09
		22.9	121.8	10.40	112.3	9.98	104.6	9.57	102.7	9.24	101.3	8.80	97.4	8.11
		45.7	124.8	10.52	115.0	10.10	107.1	9.67	105.1	9.34	103.7	8.91	99.7	8.19
		57.1	126.6	10.52	116.7	10.10	108.8	9.67	106.7	9.34	105.3	8.91	101.3	8.19
		68.6	127.5	10.52	117.6	10.10	109.7	9.67	107.5	9.34	106.1	8.91	102.1	8.19
	41	18.3	167.5	11.28	158.1	10.85	151.2	10.36	147.9	10.02	141.5	9.55	134.5	8.79
		22.9	167.9	11.34	158.4	10.90	151.2	10.42	147.9	10.07	141.5	9.60	134.5	8.84
		45.7	169.3	11.58	159.6	11.11	151.4	10.64	147.9	10.28	141.5	9.79	134.5	9.03
		57.1	169.3	11.65	159.5	11.20	151.4	10.71	147.9	10.35	141.5	9.86	134.5	9.08
		68.6	169.3	11.68	159.4	11.24	151.4	10.75	147.9	10.38	141.5	9.90	134.5	9.11
	50	18.3	168.4	10.38	158.8	9.91	151.2	9.41	147.9	9.15	141.5	8.66	134.5	8.02
		22.9	168.6	10.37	158.9	9.90	151.2	9.41	147.9	9.15	141.5	8.66	134.5	8.02
		45.7	169.3	10.31	159.6	9.84	151.4	9.43	147.9	9.17	141.5	8.68	134.5	8.04
		57.1	169.3	10.28	159.5	9.88	151.4	9.46	147.9	9.12	141.5	8.63	134.5	7.99
		68.6	169.3	10.26	159.4	9.90	151.4	9.48	147.9	9.09	141.5	8.60	134.5	7.96
	59	18.3	169.3	9.48	159.5	8.97	151.4	8.43	147.9	8.27	141.5	7.77	134.5	7.27
		22.9	169.3	9.39	159.5	8.89	151.4	8.39	147.9	8.23	141.5	7.73	134.5	7.22
		45.7	169.3	9.06	159.5	8.56	151.4	8.23	147.9	8.06	141.5	7.55	134.5	7.05
		57.1	169.3	8.89	159.5	8.56	151.4	8.23	147.9	7.88	141.5	7.38	134.5	6.88
		68.6	169.3	8.80	159.5	8.56	151.4	8.23	147.9	7.79	141.5	7.29	134.5	6.79
	68	18.3	169.3	7.92	159.5	7.60	151.4	7.22	147.9	7.09	141.5	6.76	134.5	6.26
		22.9	169.3	7.88	159.5	7.55	151.4	7.22	147.9	7.05	141.5	6.72	134.5	6.22
		45.7	169.3	7.73	159.5	7.38	151.4	7.22	147.9	6.88	141.5	6.55	134.5	6.04
		57.1	169.3	7.55	159.5	7.22	151.4	7.05	147.9	6.88	141.5	6.37	134.5	6.04
		68.6	169.3	7.47	159.5	7.14	151.4	6.96	147.9	6.88	141.5	6.28	134.5	6.04
	77	18.3	169.3	7.09	159.5	6.59	151.4	6.22	147.9	6.09	141.5	5.76	134.5	5.40
		22.9	169.3	7.05	159.5	6.55	151.4	6.22	147.9	6.04	141.5	5.71	134.5	5.36
		45.7	169.3	6.88	159.5	6.37	151.4	6.22	147.9	5.87	141.5	5.54	134.5	5.21
		57.1	169.3	6.72	159.5	6.37	151.4	6.04	147.9	5.87	141.5	5.54	134.5	5.21
		68.6	169.3	6.64	159.5	6.37	151.4	5.95	147.9	5.87	141.5	5.54	134.5	5.21
	86	18.3	169.3	6.26	159.5	5.91	151.4	5.58	147.9	5.40	141.5	5.08	134.5	4.75
		22.9	169.3	6.22	159.5	5.87	151.4	5.54	147.9	5.36	141.5	5.04	134.5	4.71
		45.7	169.3	6.04	159.5	5.71	151.4	5.36	147.9	5.21	141.5	4.86	134.5	4.53
		57.1	169.3	6.04	159.5	5.71	151.4	5.36	147.9	5.21	141.5	4.86	134.5	4.53
		68.6	169.3	6.04	159.5	5.71	151.4	5.36	147.9	5.21	141.5	4.86	134.5	4.53
	95	18.3	169.3	5.76	159.5	5.40	151.4	4.90	147.9	4.71	141.5	4.58	134.5	4.20
		22.9	169.3	5.71	159.5	5.36	151.4	4.86	147.9	4.71	141.5	4.53	134.5	4.20
		45.7	169.3	5.54	159.5	5.21	151.4	4.71	147.9	4.71	141.5	4.36	134.5	4.20
		57.1	169.3	5.54	159.5	5.04	151.4	4.71	147.9	4.53	141.5	4.36	134.5	4.03
		68.6	169.3	5.54	159.5	4.95	151.4	4.71	147.9	4.44	141.5	4.36	134.5	3.94
	104	18.3	169.3	5.45	159.5	4.90	151.4	4.36	147.9	4.40	141.5	4.03	134.5	3.89
		22.9	169.3	5.36	159.5	4.86	151.4	4.36	147.9	4.36	141.5	4.03	134.5	3.85
		45.7	169.3	5.04	159.5	4.71	151.4	4.36	147.9	4.20	141.5	4.03	134.5	3.70
		57.1	169.3	5.04	159.5	4.71	151.4	4.20	147.9	4.20	141.5	4.03	134.5	3.70
		68.6	169.3	5.04	159.5	4.71	151.4	4.12	147.9	4.20	141.5	4.03	134.5	3.70
	113	18.3	169.3	5.16	159.5	4.40	151.4	3.81	147.9	4.11	141.5	3.48	134.5	3.61
		22.9	169.3	5.04	159.5	4.36	151.4	3.85	147.9	4.03	141.5	3.52	134.5	3.52
		45.7	169.3	4.53	159.5	4.20	151.4	4.03	147.9	3.70	141.5	3.70	134.5	3.19
		57.1	169.3	4.53	159.5	4.36	151.4	3.70	147.9	3.85	141.5	3.70	134.5	3.35
		68.6	169.3	4.53	159.5	4.44	151.4	3.53	147.9	3.93	141.5	3.70	134.5	3.43

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	18.3	59.1	6.07	55.6	5.78	52.6	5.59	52.0	5.27	51.7	5.08	50.8	4.62
		22.9	61.2	6.20	57.5	5.90	54.3	5.71	53.8	5.38	53.4	5.19	52.6	4.72
		45.7	69.3	6.72	65.1	6.41	61.4	6.20	60.8	5.83	60.5	5.63	59.4	5.12
		57.1	76.7	7.26	71.9	6.91	67.9	6.68	67.3	6.29	66.8	6.08	65.6	5.52
		68.6	80.4	7.53	75.4	7.16	71.1	6.93	70.6	6.51	70.0	6.30	68.7	5.72
	32	18.3	105.9	8.88	97.9	8.47	90.9	8.19	89.3	7.70	87.9	7.44	84.8	6.77
		22.9	106.5	8.91	98.5	8.49	91.4	8.21	89.8	7.73	88.4	7.47	85.3	6.79
		45.7	109.0	9.01	100.7	8.58	93.5	8.32	92.0	7.81	90.5	7.55	87.2	6.86
		57.1	110.6	9.01	102.3	8.58	94.9	8.32	93.4	7.81	92.0	7.55	88.6	6.86
		68.6	111.4	9.01	103.1	8.58	95.6	8.32	94.1	7.81	92.7	7.55	89.3	6.86
	41	18.3	146.3	9.67	138.6	9.21	132.0	8.91	129.2	8.40	123.4	8.10	117.6	7.36
		22.9	146.6	9.72	138.9	9.25	132.0	8.96	129.2	8.44	123.4	8.14	117.6	7.40
		45.7	147.9	9.91	139.9	9.44	132.2	9.15	129.2	8.59	123.4	8.32	117.6	7.55
		57.1	147.9	9.98	139.8	9.51	132.2	9.22	129.2	8.66	123.4	8.37	117.6	7.60
		68.6	147.9	10.02	139.7	9.55	132.2	9.25	129.2	8.70	123.4	8.39	117.6	7.63
	50	18.3	147.0	8.91	139.1	8.42	132.2	8.11	129.2	7.66	123.4	7.34	117.6	6.72
		22.9	147.2	8.89	139.2	8.40	132.2	8.09	129.2	7.66	123.4	7.34	117.6	6.72
		45.7	147.9	8.82	139.8	8.33	132.2	8.02	129.2	7.66	123.4	7.34	117.6	6.72
		57.1	147.9	8.85	139.8	8.37	132.2	8.06	129.2	7.69	123.4	7.29	117.6	6.74
		68.6	147.9	8.87	139.8	8.39	132.2	8.07	129.2	7.71	123.4	7.27	117.6	6.75
	59	18.3	147.9	8.14	139.8	7.64	132.2	7.31	129.2	6.91	123.4	6.59	117.6	6.09
		22.9	147.9	8.06	139.8	7.55	132.2	7.22	129.2	6.88	123.4	6.55	117.6	6.04
		45.7	147.9	7.73	139.8	7.22	132.2	6.88	129.2	6.72	123.4	6.37	117.6	5.87
		57.1	147.9	7.73	139.8	7.22	132.2	6.88	129.2	6.72	123.4	6.22	117.6	5.87
		68.6	147.9	7.73	139.8	7.22	132.2	6.88	129.2	6.72	123.4	6.14	117.6	5.87
	68	18.3	147.9	6.76	139.8	6.41	132.2	6.26	129.2	6.09	123.4	5.76	117.6	5.40
		22.9	147.9	6.72	139.8	6.37	132.2	6.22	129.2	6.04	123.4	5.71	117.6	5.36
		45.7	147.9	6.55	139.8	6.22	132.2	6.04	129.2	5.87	123.4	5.54	117.6	5.21
		57.1	147.9	6.55	139.8	6.22	132.2	6.04	129.2	5.71	123.4	5.54	117.6	5.04
		68.6	147.9	6.55	139.8	6.22	132.2	6.04	129.2	5.63	123.4	5.54	117.6	4.95
	77	18.3	147.9	6.09	139.8	5.76	132.2	5.40	129.2	5.25	123.4	4.86	117.6	4.53
		22.9	147.9	6.04	139.8	5.71	132.2	5.36	129.2	5.21	123.4	4.86	117.6	4.53
		45.7	147.9	5.87	139.8	5.54	132.2	5.21	129.2	5.04	123.4	4.86	117.6	4.53
		57.1	147.9	5.71	139.8	5.36	132.2	5.21	129.2	5.04	123.4	4.71	117.6	4.53
		68.6	147.9	5.63	139.8	5.28	132.2	5.21	129.2	5.04	123.4	4.63	117.6	4.53
	86	18.3	147.9	5.40	139.8	5.08	132.2	4.75	129.2	4.53	123.4	4.40	117.6	4.03
		22.9	147.9	5.36	139.8	5.04	132.2	4.71	129.2	4.53	123.4	4.36	117.6	4.03
		45.7	147.9	5.21	139.8	4.86	132.2	4.53	129.2	4.53	123.4	4.20	117.6	4.03
		57.1	147.9	5.21	139.8	4.86	132.2	4.53	129.2	4.36	123.4	4.20	117.6	4.03
		68.6	147.9	5.21	139.8	4.86	132.2	4.53	129.2	4.27	123.4	4.20	117.6	4.03
	95	18.3	147.9	4.90	139.8	4.58	132.2	4.20	129.2	4.25	123.4	3.85	117.6	3.74
		22.9	147.9	4.86	139.8	4.53	132.2	4.20	129.2	4.20	123.4	3.85	117.6	3.70
		45.7	147.9	4.71	139.8	4.36	132.2	4.20	129.2	4.03	123.4	3.85	117.6	3.52
		57.1	147.9	4.71	139.8	4.36	132.2	4.03	129.2	4.03	123.4	3.85	117.6	3.52
		68.6	147.9	4.71	139.8	4.36	132.2	3.94	129.2	4.03	123.4	3.85	117.6	3.52
	104	18.3	147.9	4.58	139.8	4.25	132.2	3.89	129.2	3.70	123.4	3.52	117.6	3.39
		22.9	147.9	4.53	139.8	4.20	132.2	3.85	129.2	3.70	123.4	3.52	117.6	3.35
		45.7	147.9	4.36	139.8	4.03	132.2	3.70	129.2	3.70	123.4	3.52	117.6	3.19
		57.1	147.9	4.36	139.8	4.03	132.2	3.70	129.2	3.52	123.4	3.35	117.6	3.19
		68.6	147.9	4.36	139.8	4.03	132.2	3.70	129.2	3.44	123.4	3.26	117.6	3.19
	113	18.3	147.9	4.25	139.8	3.89	132.2	3.61	129.2	3.16	123.4	3.19	117.6	3.06
		22.9	147.9	4.20	139.8	3.85	132.2	3.52	129.2	3.19	123.4	3.19	117.6	3.02
		45.7	147.9	4.03	139.8	3.70	132.2	3.19	129.2	3.35	123.4	3.19	117.6	2.85
		57.1	147.9	4.03	139.8	3.70	132.2	3.35	129.2	3.02	123.4	2.85	117.6	2.85
		68.6	147.9	4.03	139.8	3.70	132.2	3.43	129.2	2.85	123.4	2.67	117.6	2.85

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	18.3	50.8	4.93	47.6	4.74	45.0	4.55	44.5	4.23	44.3	4.16	43.5	3.72
		22.9	52.6	5.04	49.2	4.84	46.6	4.65	46.1	4.32	45.9	4.25	45.0	3.80
		45.7	59.6	5.47	55.7	5.26	52.7	5.05	52.2	4.69	52.0	4.62	51.0	4.13
		57.1	65.8	5.89	61.5	5.68	58.4	5.45	57.7	5.07	57.5	4.98	56.3	4.44
		68.6	68.9	6.10	64.5	5.89	61.2	5.65	60.4	5.26	60.2	5.17	58.9	4.60
	32	18.3	90.9	7.22	83.7	6.96	78.1	6.66	76.6	6.20	75.5	6.11	72.7	5.46
		22.9	91.4	7.24	84.2	6.98	78.6	6.68	77.0	6.22	76.0	6.13	73.1	5.47
		45.7	93.5	7.33	86.1	7.05	80.5	6.77	78.8	6.29	77.7	6.20	74.7	5.52
		57.1	94.9	7.33	87.6	7.05	81.8	6.77	80.0	6.29	78.9	6.20	76.0	5.52
		68.6	95.6	7.33	88.3	7.05	82.4	6.77	80.6	6.29	79.6	6.20	76.6	5.52
	41	18.3	125.6	7.86	118.5	7.57	113.6	7.25	110.8	6.75	106.0	6.65	100.9	5.92
		22.9	125.9	7.90	118.7	7.60	113.6	7.29	110.8	6.79	106.0	6.68	100.9	5.96
		45.7	126.9	8.06	119.6	7.76	113.6	7.45	110.8	6.93	106.0	6.82	100.9	6.08
		57.1	126.9	8.13	119.4	7.81	113.6	7.50	110.8	6.98	106.0	6.86	100.9	6.13
		68.6	126.9	8.16	119.3	7.84	113.6	7.53	110.8	7.01	106.0	6.88	100.9	6.16
	50	18.3	126.3	7.22	118.9	6.91	113.6	6.58	110.8	6.15	106.0	6.03	100.9	5.40
		22.9	126.4	7.22	119.0	6.91	113.6	6.58	110.8	6.16	106.0	6.02	100.9	5.42
		45.7	126.9	7.22	119.6	6.91	113.6	6.58	110.8	6.23	106.0	6.01	100.9	5.47
		57.1	126.9	7.24	119.4	6.84	113.6	6.51	110.8	6.16	106.0	5.96	100.9	5.42
		68.6	126.9	7.25	119.3	6.81	113.6	6.48	110.8	6.13	106.0	5.93	100.9	5.39
	59	18.3	126.9	6.59	119.4	6.26	113.6	5.91	110.8	5.54	106.0	5.40	100.9	4.86
		22.9	126.9	6.55	119.4	6.22	113.6	5.87	110.8	5.54	106.0	5.36	100.9	4.86
		45.7	126.9	6.37	119.4	6.04	113.6	5.71	110.8	5.54	106.0	5.21	100.9	4.86
		57.1	126.9	6.37	119.4	5.87	113.6	5.54	110.8	5.36	106.0	5.04	100.9	4.71
		68.6	126.9	6.37	119.4	5.78	113.6	5.45	110.8	5.28	106.0	4.95	100.9	4.63
	68	18.3	126.9	5.76	119.4	5.40	113.6	5.08	110.8	4.90	106.0	4.75	100.9	4.40
		22.9	126.9	5.71	119.4	5.36	113.6	5.04	110.8	4.86	106.0	4.71	100.9	4.36
		45.7	126.9	5.54	119.4	5.21	113.6	4.86	110.8	4.71	106.0	4.53	100.9	4.20
		57.1	126.9	5.54	119.4	5.21	113.6	4.86	110.8	4.71	106.0	4.53	100.9	4.20
		68.6	126.9	5.54	119.4	5.21	113.6	4.86	110.8	4.71	106.0	4.53	100.9	4.20
	77	18.3	126.9	5.08	119.4	4.75	113.6	4.36	110.8	4.40	106.0	4.03	100.9	3.89
		22.9	126.9	5.04	119.4	4.71	113.6	4.36	110.8	4.36	106.0	4.03	100.9	3.85
		45.7	126.9	4.86	119.4	4.53	113.6	4.36	110.8	4.20	106.0	4.03	100.9	3.70
		57.1	126.9	4.86	119.4	4.53	113.6	4.20	110.8	4.20	106.0	4.03	100.9	3.70
		68.6	126.9	4.86	119.4	4.53	113.6	4.12	110.8	4.20	106.0	4.03	100.9	3.70
	86	18.3	126.9	4.58	119.4	4.25	113.6	4.07	110.8	3.89	106.0	3.74	100.9	3.57
		22.9	126.9	4.53	119.4	4.20	113.6	4.03	110.8	3.85	106.0	3.70	100.9	3.52
		45.7	126.9	4.36	119.4	4.03	113.6	3.85	110.8	3.70	106.0	3.52	100.9	3.35
		57.1	126.9	4.36	119.4	4.03	113.6	3.85	110.8	3.70	106.0	3.52	100.9	3.35
		68.6	126.9	4.36	119.4	4.03	113.6	3.85	110.8	3.70	106.0	3.52	100.9	3.35
	95	18.3	126.9	4.03	119.4	3.89	113.6	3.52	110.8	3.57	106.0	3.39	100.9	3.24
		22.9	126.9	4.03	119.4	3.85	113.6	3.52	110.8	3.52	106.0	3.35	100.9	3.19
		45.7	126.9	4.03	119.4	3.70	113.6	3.52	110.8	3.35	106.0	3.19	100.9	3.02
		57.1	126.9	4.03	119.4	3.70	113.6	3.35	110.8	3.35	106.0	3.19	100.9	3.02
		68.6	126.9	4.03	119.4	3.70	113.6	3.26	110.8	3.35	106.0	3.19	100.9	3.02
	104	18.3	126.9	3.70	119.4	3.57	113.6	3.19	110.8	3.24	106.0	3.06	100.9	2.85
		22.9	126.9	3.70	119.4	3.52	113.6	3.19	110.8	3.19	106.0	3.02	100.9	2.85
		45.7	126.9	3.70	119.4	3.35	113.6	3.19	110.8	3.02	106.0	2.85	100.9	2.85
		57.1	126.9	3.70	119.4	3.35	113.6	3.19	110.8	3.02	106.0	2.85	100.9	2.85
		68.6	126.9	3.70	119.4	3.35	113.6	3.19	110.8	3.02	106.0	2.85	100.9	2.85
	113	18.3	126.9	3.35	119.4	3.24	113.6	2.85	110.8	2.89	106.0	2.73	100.9	2.47
		22.9	126.9	3.35	119.4	3.19	113.6	2.85	110.8	2.85	106.0	2.69	100.9	2.52
		45.7	126.9	3.35	119.4	3.02	113.6	2.85	110.8	2.69	106.0	2.52	100.9	2.69
		57.1	126.9	3.35	119.4	3.02	113.6	3.02	110.8	2.69	106.0	2.52	100.9	2.69
		68.6	126.9	3.35	119.4	3.02	113.6	3.11	110.8	2.69	106.0	2.52	100.9	2.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN168DAS4, ARWB168DAS4

168,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	18.3	42.4	3.93	39.8	3.72	37.6	3.52	37.0	3.33	36.9	3.12	36.2	2.96
		22.9	43.8	4.01	41.1	3.80	38.9	3.59	38.3	3.40	38.2	3.19	37.4	3.02
		45.7	49.4	4.34	46.4	4.13	44.0	3.89	43.4	3.70	43.3	3.47	42.4	3.26
		57.1	54.7	4.69	51.3	4.44	48.5	4.20	48.0	3.99	47.6	3.73	46.9	3.52
		68.6	57.3	4.86	53.8	4.60	50.8	4.36	50.3	4.14	49.9	3.86	49.2	3.66
	32	18.3	75.5	5.75	69.9	5.46	65.0	5.14	63.6	4.88	62.7	4.59	60.5	4.33
		22.9	76.0	5.76	70.3	5.47	65.4	5.16	64.0	4.90	63.1	4.60	60.8	4.34
		45.7	77.7	5.82	71.9	5.52	67.0	5.23	65.6	4.97	64.7	4.65	62.2	4.39
		57.1	78.9	5.82	73.0	5.52	67.9	5.23	66.6	4.97	65.6	4.65	63.3	4.39
		68.6	79.6	5.82	73.5	5.52	68.3	5.23	67.2	4.97	66.0	4.65	63.8	4.39
	41	18.3	104.4	6.25	99.0	5.92	94.4	5.59	92.1	5.32	88.1	5.00	84.0	4.70
		22.9	104.6	6.29	99.2	5.96	94.4	5.63	92.1	5.35	88.1	5.02	84.0	4.72
		45.7	105.5	6.41	99.9	6.08	94.6	5.75	92.1	5.45	88.1	5.10	84.0	4.83
		57.1	105.5	6.46	99.7	6.13	94.6	5.78	92.1	5.49	88.1	5.16	84.0	4.86
		68.6	105.5	6.48	99.6	6.16	94.6	5.80	92.1	5.50	88.1	5.18	84.0	4.88
	50	18.3	105.0	5.76	99.2	5.42	94.4	5.10	92.1	4.87	88.1	4.50	84.0	4.30
		22.9	105.1	5.75	99.3	5.42	94.4	5.09	92.1	4.86	88.1	4.51	84.0	4.29
		45.7	105.5	5.71	99.9	5.40	94.6	5.05	92.1	4.83	88.1	4.57	84.0	4.25
		57.1	105.5	5.75	99.7	5.42	94.6	5.07	92.1	4.84	88.1	4.50	84.0	4.27
		68.6	105.5	5.76	99.6	5.43	94.6	5.08	92.1	4.85	88.1	4.46	84.0	4.28
	59	18.3	105.5	5.25	99.7	4.90	94.6	4.58	92.1	4.40	88.1	4.03	84.0	3.89
		22.9	105.5	5.21	99.7	4.86	94.6	4.53	92.1	4.36	88.1	4.03	84.0	3.85
		45.7	105.5	5.04	99.7	4.71	94.6	4.36	92.1	4.20	88.1	4.03	84.0	3.70
		57.1	105.5	5.04	99.7	4.71	94.6	4.36	92.1	4.20	88.1	3.85	84.0	3.70
		68.6	105.5	5.04	99.7	4.71	94.6	4.36	92.1	4.20	88.1	3.77	84.0	3.70
	68	18.3	105.5	4.58	99.7	4.25	94.6	4.07	92.1	3.89	88.1	3.74	84.0	3.35
		22.9	105.5	4.53	99.7	4.20	94.6	4.03	92.1	3.85	88.1	3.70	84.0	3.35
		45.7	105.5	4.36	99.7	4.03	94.6	3.85	92.1	3.70	88.1	3.52	84.0	3.35
		57.1	105.5	4.36	99.7	4.03	94.6	3.85	92.1	3.70	88.1	3.52	84.0	3.35
		68.6	105.5	4.36	99.7	4.03	94.6	3.85	92.1	3.70	88.1	3.52	84.0	3.35
	77	18.3	105.5	4.07	99.7	3.70	94.6	3.57	92.1	3.35	88.1	3.19	84.0	3.02
		22.9	105.5	4.03	99.7	3.70	94.6	3.52	92.1	3.35	88.1	3.19	84.0	3.02
		45.7	105.5	3.85	99.7	3.70	94.6	3.35	92.1	3.35	88.1	3.19	84.0	3.02
		57.1	105.5	3.85	99.7	3.70	94.6	3.35	92.1	3.35	88.1	3.19	84.0	3.02
		68.6	105.5	3.85	99.7	3.70	94.6	3.35	92.1	3.35	88.1	3.19	84.0	3.02
	86	18.3	105.5	3.74	99.7	3.39	94.6	3.24	92.1	3.02	88.1	3.06	84.0	2.89
		22.9	105.5	3.70	99.7	3.35	94.6	3.19	92.1	3.02	88.1	3.02	84.0	2.85
		45.7	105.5	3.52	99.7	3.19	94.6	3.02	92.1	3.02	88.1	2.85	84.0	2.69
		57.1	105.5	3.52	99.7	3.19	94.6	3.02	92.1	3.02	88.1	2.85	84.0	2.69
		68.6	105.5	3.52	99.7	3.19	94.6	3.02	92.1	3.02	88.1	2.85	84.0	2.69
	95	18.3	105.5	3.39	99.7	3.02	94.6	2.85	92.1	2.89	88.1	2.69	84.0	2.52
		22.9	105.5	3.35	99.7	3.02	94.6	2.85	92.1	2.85	88.1	2.69	84.0	2.52
		45.7	105.5	3.19	99.7	3.02	94.6	2.85	92.1	2.69	88.1	2.69	84.0	2.52
		57.1	105.5	3.19	99.7	3.02	94.6	2.85	92.1	2.69	88.1	2.69	84.0	2.52
		68.6	105.5	3.19	99.7	3.02	94.6	2.85	92.1	2.69	88.1	2.69	84.0	2.52
	104	18.3	105.5	3.06	99.7	2.89	94.6	2.73	92.1	2.52	88.1	2.56	84.0	2.34
		22.9	105.5	3.02	99.7	2.85	94.6	2.69	92.1	2.52	88.1	2.52	84.0	2.34
		45.7	105.5	2.85	99.7	2.69	94.6	2.52	92.1	2.52	88.1	2.34	84.0	2.34
		57.1	105.5	2.85	99.7	2.69	94.6	2.52	92.1	2.52	88.1	2.34	84.0	2.34
		68.6	105.5	2.85	99.7	2.69	94.6	2.52	92.1	2.52	88.1	2.34	84.0	2.34
	113	18.3	105.5	2.73	99.7	2.78	94.6	2.60	92.1	2.15	88.1	2.43	84.0	2.19
		22.9	105.5	2.69	99.7	2.69	94.6	2.52	92.1	2.19	88.1	2.34	84.0	2.19
		45.7	105.5	2.52	99.7	2.34	94.6	2.19	92.1	2.34	88.1	2.01	84.0	2.19
		57.1	105.5	2.52	99.7	2.34	94.6	2.19	92.1	2.34	88.1	2.01	84.0	2.19
		68.6	105.5	2.52	99.7	2.34	94.6	2.19	92.1	2.34	88.1	2.01	84.0	2.19

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	20.3	102.2	12.27	101.4	11.56	100.8	10.76	99.5	10.44	100.6	10.17	97.9	9.12
		25.4	105.7	12.49	104.9	11.78	104.3	10.99	102.9	10.67	104.1	10.39	101.3	9.32
		50.7	119.6	13.34	118.5	12.67	117.9	11.92	116.3	11.58	117.7	11.26	114.7	10.10
		63.4	132.2	14.19	131.0	13.54	130.2	12.85	128.6	12.51	130.2	12.14	126.8	10.89
		76.1	138.6	14.61	137.3	13.98	136.4	13.32	134.8	12.98	136.5	12.59	132.9	11.29
	32	20.3	182.5	16.79	178.4	16.29	174.6	15.76	170.8	15.31	171.4	14.89	163.5	13.34
		25.4	183.7	16.83	179.4	16.33	175.6	15.80	171.8	15.36	172.4	14.93	164.6	13.38
		50.7	188.1	17.01	183.4	16.49	179.6	15.98	175.8	15.54	176.4	15.09	168.6	13.54
		63.4	190.9	17.01	186.3	16.49	182.4	15.98	178.4	15.54	179.0	15.09	171.0	13.54
		76.1	192.3	17.01	187.7	16.49	183.9	15.98	179.7	15.54	180.3	15.09	172.2	13.54
	41	20.3	262.9	18.04	258.9	17.60	253.5	17.15	247.1	16.66	240.5	16.21	227.3	14.51
		25.4	263.8	18.13	259.4	17.68	253.6	17.24	247.1	16.75	240.5	16.29	227.3	14.59
		50.7	267.4	18.45	261.2	18.00	253.8	17.58	247.1	17.10	240.5	16.61	227.3	14.89
		63.4	269.0	18.57	262.0	18.13	253.8	17.70	247.1	17.22	240.5	16.73	227.3	14.99
		76.1	269.9	18.63	262.4	18.19	253.8	17.76	247.1	17.28	240.5	16.79	227.3	15.04
	50	20.3	263.3	16.42	259.0	15.87	252.8	15.57	246.1	15.22	239.6	14.70	226.3	13.27
		25.4	264.8	16.39	260.2	15.88	253.8	15.60	247.1	15.22	240.5	14.69	227.3	13.26
		50.7	271.1	16.27	265.0	15.94	257.8	15.72	251.2	15.20	244.1	14.65	230.9	13.22
		63.4	272.5	16.49	266.8	16.17	259.4	15.78	252.4	15.26	245.7	14.89	232.3	13.84
		76.1	273.2	16.60	267.7	16.28	260.2	15.81	253.0	15.29	246.5	15.01	233.0	14.16
	59	20.3	263.6	14.80	259.0	14.17	251.7	14.01	245.1	13.78	238.7	13.20	225.4	12.02
		25.4	265.8	14.65	261.0	14.10	253.8	13.98	247.1	13.68	240.5	13.09	227.3	11.92
		50.7	274.5	14.06	268.8	13.86	261.8	13.86	255.2	13.28	247.7	12.69	234.5	11.52
		63.4	275.9	14.41	271.5	14.19	265.0	13.86	257.8	13.28	251.2	13.05	237.3	12.69
		76.1	276.6	14.58	272.8	14.35	266.6	13.86	259.1	13.28	252.9	13.24	238.7	13.28
	68	20.3	273.7	13.57	268.7	12.94	261.6	12.66	254.4	12.25	247.0	11.98	232.3	11.61
		25.4	275.9	13.48	270.9	12.93	263.6	12.65	256.4	12.31	249.2	12.06	234.5	11.52
		50.7	284.5	13.09	279.5	12.89	271.7	12.61	264.4	12.51	257.8	12.39	243.1	11.13
		63.4	285.7	13.09	281.5	12.89	274.9	12.69	267.0	12.51	259.8	12.39	245.1	11.84
		76.1	286.3	13.09	282.5	12.89	276.5	12.73	268.4	12.51	260.8	12.39	246.1	12.20
	77	20.3	288.9	12.94	281.5	12.57	274.9	12.36	269.6	12.15	263.6	11.97	248.6	11.19
		25.4	288.9	12.89	281.5	12.55	274.9	12.31	269.6	12.10	263.6	11.92	248.6	11.13
		50.7	288.9	12.69	281.5	12.47	274.9	12.10	269.6	11.92	263.6	11.72	248.6	10.93
		63.4	288.9	12.51	281.5	12.14	274.9	11.92	269.6	11.72	263.6	11.52	248.6	10.75
		76.1	288.9	12.42	281.5	11.98	274.9	11.83	269.6	11.62	263.6	11.42	248.6	10.66
	86	20.3	288.9	12.61	281.5	11.98	274.9	11.87	269.6	11.56	263.6	11.44	248.6	10.64
		25.4	288.9	12.51	281.5	11.96	274.9	11.80	269.6	11.52	263.6	11.34	248.6	10.55
		50.7	288.9	12.10	281.5	11.88	274.9	11.52	269.6	11.34	263.6	10.93	248.6	10.16
		63.4	288.9	11.92	281.5	11.56	274.9	11.34	269.6	11.13	263.6	10.93	248.6	10.16
		76.1	288.9	11.83	281.5	11.40	274.9	11.24	269.6	11.03	263.6	10.93	248.6	10.16
	95	20.3	288.9	12.02	281.5	11.62	274.9	11.39	269.6	10.98	263.6	10.60	248.6	9.86
		25.4	288.9	11.92	281.5	11.56	274.9	11.34	269.6	10.93	263.6	10.55	248.6	9.76
		50.7	288.9	11.52	281.5	11.30	274.9	11.13	269.6	10.75	263.6	10.35	248.6	9.38
		63.4	288.9	11.52	281.5	11.17	274.9	10.93	269.6	10.55	263.6	10.16	248.6	9.38
		76.1	288.9	11.52	281.5	11.11	274.9	10.83	269.6	10.45	263.6	10.07	248.6	9.38
	104	20.3	288.9	11.61	281.5	11.25	274.9	11.03	269.6	10.64	263.6	10.27	248.6	9.27
		25.4	288.9	11.52	281.5	11.17	274.9	10.93	269.6	10.55	263.6	10.16	248.6	9.17
		50.7	288.9	11.13	281.5	10.89	274.9	10.55	269.6	10.16	263.6	9.76	248.6	8.79
		63.4	288.9	10.93	281.5	10.71	274.9	10.55	269.6	10.16	263.6	9.76	248.6	8.79
		76.1	288.9	10.83	281.5	10.62	274.9	10.55	269.6	10.16	263.6	9.76	248.6	8.79
	113	20.3	288.9	11.23	281.5	10.86	274.9	10.70	269.6	10.31	263.6	9.91	248.6	8.68
		25.4	288.9	11.13	281.5	10.79	274.9	10.55	269.6	10.16	263.6	9.76	248.6	8.59
		50.7	288.9	10.75	281.5	10.51	274.9	9.96	269.6	9.58	263.6	9.17	248.6	8.20
		63.4	288.9	10.35	281.5	10.24	274.9	10.16	269.6	9.76	263.6	9.38	248.6	8.20
		76.1	288.9	10.14	281.5	10.11	274.9	10.27	269.6	9.85	263.6	9.48	248.6	8.20

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192DAS4, ARWB192DAS4
192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	20.3	97.1	12.27	96.4	11.56	95.8	10.76	94.6	10.30	95.4	10.01	92.8	8.95
		25.4	100.5	12.49	99.7	11.78	99.1	10.99	97.9	10.53	98.7	10.22	96.0	9.15
		50.7	113.7	13.34	112.7	12.67	112.1	11.92	110.7	11.42	111.7	11.09	108.7	9.94
		63.4	125.6	14.19	124.6	13.54	123.8	12.85	122.4	12.33	123.4	11.96	120.0	10.71
		76.1	131.6	14.61	130.6	13.98	129.6	13.32	128.2	12.78	129.2	12.40	125.6	11.10
	32	20.3	173.6	16.79	169.4	16.29	165.8	15.76	162.4	15.09	162.4	14.67	155.0	13.11
		25.4	174.6	16.83	170.4	16.33	166.8	15.80	163.4	15.13	163.4	14.71	155.9	13.15
		50.7	178.6	17.01	174.4	16.49	170.8	15.98	167.2	15.32	167.2	14.87	159.7	13.32
		63.4	181.4	17.01	177.2	16.49	173.4	15.98	169.8	15.32	169.6	14.87	162.2	13.32
		76.1	182.9	17.01	178.6	16.49	174.7	15.98	171.1	15.32	170.8	14.87	163.4	13.32
	41	20.3	250.2	18.04	246.5	17.60	241.1	17.15	235.3	16.42	227.9	15.96	215.4	14.30
		25.4	251.2	18.13	246.9	17.68	241.1	17.24	235.3	16.51	227.9	16.04	215.4	14.37
		50.7	254.8	18.45	248.8	18.00	241.1	17.58	235.3	16.85	227.9	16.37	215.4	14.65
		63.4	256.2	18.57	247.3	18.13	241.1	17.70	235.3	16.97	227.9	16.49	215.4	14.75
		76.1	256.9	18.63	246.6	18.19	241.1	17.76	235.3	17.03	227.9	16.55	215.4	14.80
	50	20.3	251.2	16.21	246.5	15.76	240.5	15.44	234.6	14.97	227.2	14.48	214.8	13.02
		25.4	252.4	16.27	247.5	15.82	241.1	15.50	235.3	14.99	227.9	14.47	215.4	13.03
		50.7	257.0	16.49	251.6	16.06	243.7	15.72	237.9	15.07	230.3	14.43	217.6	13.09
		63.4	258.4	16.43	250.8	16.06	244.7	15.78	238.9	15.13	231.3	14.49	218.6	13.54
		76.1	259.1	16.40	250.4	16.06	245.2	15.81	239.4	15.17	231.8	14.52	219.1	13.76
	59	20.3	251.9	14.38	246.8	13.95	239.7	13.74	234.0	13.53	226.7	12.99	214.2	11.77
		25.4	253.4	14.41	248.3	13.98	241.1	13.76	235.3	13.48	227.9	12.89	215.4	11.72
		50.7	259.2	14.53	254.4	14.10	246.5	13.86	240.5	13.28	232.5	12.51	220.0	11.52
		63.4	260.6	14.31	254.2	13.98	248.6	13.86	242.5	13.28	234.5	12.51	222.0	12.31
		76.1	261.3	14.19	254.1	13.92	249.6	13.86	243.5	13.28	235.5	12.51	223.0	12.70
	68	20.3	258.9	12.93	254.1	12.38	246.4	12.05	239.6	11.88	231.8	11.73	219.3	11.13
		25.4	260.6	12.93	255.6	12.43	247.7	12.10	241.1	11.92	233.3	11.72	220.6	11.09
		50.7	267.2	12.93	261.6	12.61	253.2	12.31	247.1	12.10	239.1	11.68	225.8	10.93
		63.4	268.4	12.81	261.4	12.51	255.2	12.31	248.6	12.10	240.5	11.72	227.3	11.34
		76.1	269.1	12.75	261.3	12.46	256.2	12.31	249.3	12.10	241.2	11.74	228.0	11.54
	77	20.3	271.5	12.23	263.6	11.66	255.2	11.44	249.8	11.19	243.1	10.98	229.9	10.22
		25.4	271.7	12.18	263.6	11.64	255.2	11.42	249.8	11.13	243.1	10.93	229.9	10.16
		50.7	272.3	12.00	263.6	11.56	255.2	11.34	249.8	10.93	243.1	10.75	229.9	9.96
		63.4	273.1	11.56	263.6	11.26	255.2	11.13	249.8	10.93	243.1	10.55	229.9	9.96
		76.1	273.5	11.33	263.6	11.10	255.2	11.03	249.8	10.93	243.1	10.45	229.9	9.96
	86	20.3	273.1	11.70	263.6	11.12	255.2	10.80	249.8	10.39	243.1	10.27	229.9	9.43
		25.4	273.1	11.60	263.6	11.05	255.2	10.75	249.8	10.35	243.1	10.16	229.9	9.38
		50.7	273.1	11.21	263.6	10.79	255.2	10.55	249.8	10.16	243.1	9.76	229.9	9.17
		63.4	273.1	10.85	263.6	10.55	255.2	10.35	249.8	10.16	243.1	9.76	229.9	8.99
		76.1	273.1	10.67	263.6	10.43	255.2	10.24	249.8	10.16	243.1	9.76	229.9	8.90
	95	20.3	273.1	11.17	263.6	10.56	255.2	10.27	249.8	9.86	243.1	9.47	229.9	8.63
		25.4	273.1	11.01	263.6	10.47	255.2	10.16	249.8	9.76	243.1	9.38	229.9	8.59
		50.7	273.1	10.39	263.6	10.08	255.2	9.76	249.8	9.38	243.1	8.99	229.9	8.41
		63.4	273.1	10.27	263.6	10.00	255.2	9.76	249.8	9.38	243.1	8.99	229.9	8.20
		76.1	273.1	10.20	263.6	9.96	255.2	9.76	249.8	9.38	243.1	8.99	229.9	8.10
	104	20.3	273.1	10.84	263.6	10.08	255.2	9.68	249.8	9.27	243.1	8.89	229.9	8.05
		25.4	273.1	10.63	263.6	9.96	255.2	9.58	249.8	9.17	243.1	8.79	229.9	8.00
		50.7	273.1	9.80	263.6	9.50	255.2	9.17	249.8	8.79	243.1	8.41	229.9	7.82
		63.4	273.1	9.68	263.6	9.38	255.2	9.17	249.8	8.79	243.1	8.41	229.9	7.62
		76.1	273.1	9.62	263.6	9.31	255.2	9.17	249.8	8.79	243.1	8.41	229.9	7.52
	113	20.3	273.1	10.51	263.6	9.59	255.2	9.09	249.8	8.68	243.1	8.30	229.9	7.46
		25.4	273.1	10.24	263.6	9.46	255.2	8.99	249.8	8.59	243.1	8.20	229.9	7.42
		50.7	273.1	9.21	263.6	8.91	255.2	8.59	249.8	8.20	243.1	7.82	229.9	7.23
		63.4	273.1	9.09	263.6	8.75	255.2	8.59	249.8	8.20	243.1	7.82	229.9	7.03
		76.1	273.1	9.03	263.6	8.67	255.2	8.59	249.8	8.20	243.1	7.82	229.9	6.93

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	20.3	91.9	12.44	91.3	11.56	90.7	10.76	89.7	10.30	90.0	10.01	88.0	8.95
		25.4	95.0	12.65	94.4	11.78	93.8	10.99	92.8	10.53	93.0	10.22	91.0	9.15
		50.7	107.5	13.50	106.9	12.67	106.3	11.92	105.1	11.42	105.1	11.09	103.1	9.94
		63.4	118.7	14.37	117.9	13.54	117.3	12.85	116.1	12.33	116.1	11.96	113.7	10.71
		76.1	124.4	14.80	123.5	13.98	122.9	13.32	121.7	12.78	121.7	12.40	119.1	11.10
	32	20.3	164.2	17.01	160.6	16.29	157.2	15.76	154.2	15.09	152.8	14.67	147.0	13.11
		25.4	165.2	17.05	161.5	16.33	158.1	15.80	155.1	15.13	153.7	14.71	147.9	13.15
		50.7	169.0	17.22	165.4	16.49	161.7	15.98	158.7	15.32	157.3	14.87	151.3	13.32
		63.4	171.6	17.22	168.0	16.49	164.4	15.98	161.1	15.32	159.7	14.87	153.5	13.32
		76.1	172.9	17.22	169.3	16.49	165.7	15.98	162.4	15.32	161.0	14.87	154.6	13.32
	41	20.3	239.5	18.29	233.8	17.60	228.4	17.15	223.2	16.42	214.6	15.96	204.1	14.30
		25.4	240.3	18.37	234.3	17.68	228.5	17.24	223.2	16.51	214.6	16.04	204.1	14.37
		50.7	243.5	18.69	236.1	18.00	228.7	17.58	223.2	16.85	214.6	16.37	204.1	14.65
		63.4	244.9	18.81	236.7	18.13	228.7	17.70	223.2	16.97	214.6	16.49	204.1	14.75
		76.1	245.6	18.87	237.0	18.19	228.7	17.76	223.2	17.03	214.6	16.55	204.1	14.80
	50	20.3	240.4	16.40	234.5	15.84	228.1	15.49	222.9	14.97	214.2	14.48	203.9	13.02
		25.4	241.3	16.43	235.1	15.88	228.5	15.54	223.2	14.99	214.6	14.47	204.1	13.03
		50.7	244.9	16.55	237.5	16.06	229.9	15.72	224.6	15.07	216.0	14.43	205.1	13.09
		63.4	246.3	16.55	238.5	16.06	230.7	15.68	225.0	15.03	216.4	14.49	205.8	13.24
		76.1	247.0	16.55	239.0	16.06	231.1	15.66	225.2	15.01	216.6	14.52	206.1	13.31
	59	20.3	241.1	14.51	234.8	14.10	228.0	13.86	222.6	13.53	213.9	12.99	203.6	11.77
		25.4	242.1	14.49	235.7	14.10	228.7	13.86	223.2	13.48	214.6	12.89	204.1	11.72
		50.7	246.1	14.41	239.1	14.10	231.3	13.86	225.8	13.28	217.4	12.51	206.2	11.52
		63.4	247.5	14.31	240.3	13.98	232.5	13.68	226.6	13.09	218.0	12.51	207.4	11.72
		76.1	248.3	14.26	240.9	13.92	233.1	13.59	227.1	13.00	218.3	12.51	208.0	11.82
	68	20.3	245.6	12.52	238.9	12.23	231.2	11.92	225.0	11.72	216.7	11.39	205.3	10.65
		25.4	246.9	12.55	239.7	12.23	231.9	11.92	225.8	11.72	217.4	11.34	206.2	10.63
		50.7	252.2	12.65	242.9	12.23	234.5	11.92	229.3	11.72	220.0	11.13	209.4	10.55
		63.4	253.6	12.65	244.9	12.23	235.9	11.92	229.9	11.52	221.2	11.13	210.0	10.55
		76.1	254.3	12.65	245.9	12.23	236.6	11.92	230.2	11.42	221.8	11.13	210.3	10.55
	77	20.3	253.3	11.40	245.7	10.98	235.9	10.80	230.7	10.39	222.6	10.01	210.8	9.17
		25.4	253.8	11.38	245.7	10.93	235.9	10.75	230.7	10.35	222.6	9.96	210.8	9.17
		50.7	255.8	11.30	245.7	10.75	235.9	10.55	230.7	10.16	222.6	9.76	210.8	9.17
		63.4	257.0	11.30	245.7	10.79	235.9	10.35	230.7	10.16	222.6	9.58	210.8	8.99
		76.1	257.6	11.30	245.7	10.81	235.9	10.24	230.7	10.16	222.6	9.49	210.8	8.90
	86	20.3	257.0	10.39	245.7	10.01	235.9	9.63	230.7	9.43	222.6	8.84	210.8	8.26
		25.4	257.0	10.35	245.7	9.96	235.9	9.58	230.7	9.38	222.6	8.79	210.8	8.20
		50.7	257.0	10.16	245.7	9.76	235.9	9.38	230.7	9.17	222.6	8.59	210.8	8.00
		63.4	257.0	10.08	245.7	9.58	235.9	9.17	230.7	8.99	222.6	8.59	210.8	8.00
		76.1	257.0	10.04	245.7	9.49	235.9	9.07	230.7	8.90	222.6	8.59	210.8	8.00
	95	20.3	257.0	9.86	245.7	9.22	235.9	8.84	230.7	8.46	222.6	8.05	210.8	7.46
		25.4	257.0	9.76	245.7	9.17	235.9	8.79	230.7	8.41	222.6	8.00	210.8	7.42
		50.7	257.0	9.38	245.7	8.99	235.9	8.59	230.7	8.20	222.6	7.82	210.8	7.23
		63.4	257.0	9.13	245.7	8.79	235.9	8.41	230.7	8.20	222.6	7.82	210.8	7.23
		76.1	257.0	9.01	245.7	8.69	235.9	8.31	230.7	8.20	222.6	7.82	210.8	7.23
	104	20.3	257.0	9.27	245.7	8.89	235.9	8.30	230.7	7.87	222.6	7.46	210.8	6.88
		25.4	257.0	9.17	245.7	8.79	235.9	8.20	230.7	7.82	222.6	7.42	210.8	6.83
		50.7	257.0	8.79	245.7	8.41	235.9	7.82	230.7	7.62	222.6	7.23	210.8	6.65
		63.4	257.0	8.67	245.7	8.20	235.9	7.82	230.7	7.42	222.6	7.03	210.8	6.45
		76.1	257.0	8.61	245.7	8.10	235.9	7.82	230.7	7.31	222.6	6.93	210.8	6.34
	113	20.3	257.0	8.68	245.7	8.55	235.9	7.77	230.7	7.29	222.6	6.88	210.8	6.29
		25.4	257.0	8.59	245.7	8.41	235.9	7.62	230.7	7.23	222.6	6.83	210.8	6.24
		50.7	257.0	8.20	245.7	7.82	235.9	7.03	230.7	7.03	222.6	6.65	210.8	6.06
		63.4	257.0	8.20	245.7	7.62	235.9	7.23	230.7	6.65	222.6	6.24	210.8	5.66
		76.1	257.0	8.20	245.7	7.52	235.9	7.34	230.7	6.45	222.6	6.04	210.8	5.45

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	20.3	86.8	12.44	86.2	11.72	85.9	10.76	85.1	10.30	84.3	9.84	82.7	8.95
		25.4	89.8	12.65	89.2	11.94	88.8	10.99	88.0	10.53	87.2	10.06	85.6	9.15
		50.7	101.7	13.50	101.1	12.83	100.5	11.92	99.5	11.42	98.7	10.93	97.0	9.94
		63.4	112.3	14.37	111.5	13.72	110.9	12.85	109.9	12.33	109.1	11.78	107.1	10.71
		76.1	117.7	14.80	116.8	14.17	116.2	13.32	115.2	12.78	114.4	12.21	112.2	11.10
	32	20.3	155.2	17.01	151.8	16.51	148.6	15.76	146.0	15.09	143.4	14.45	138.4	13.11
		25.4	156.1	17.05	152.7	16.55	149.5	15.80	146.9	15.13	144.3	14.49	139.2	13.15
		50.7	159.7	17.22	156.3	16.71	152.9	15.98	150.3	15.32	147.7	14.65	142.5	13.32
		63.4	162.2	17.22	158.7	16.71	155.3	15.98	152.5	15.32	149.9	14.65	144.7	13.32
		76.1	163.4	17.22	159.9	16.71	156.5	15.98	153.6	15.32	151.0	14.65	145.8	13.32
	41	20.3	229.1	18.29	221.4	17.84	215.7	17.15	211.4	16.42	201.3	15.72	192.1	14.30
		25.4	229.9	18.37	221.8	17.92	215.8	17.24	211.4	16.51	201.3	15.80	192.1	14.37
		50.7	233.1	18.69	223.4	18.25	216.0	17.58	211.4	16.85	201.3	16.13	192.1	14.65
		63.4	234.5	18.81	224.0	18.37	216.0	17.70	211.4	16.97	201.3	16.23	192.1	14.75
		76.1	235.2	18.87	224.3	18.43	216.0	17.76	211.4	17.03	201.3	16.28	192.1	14.80
	50	20.3	230.3	16.35	222.1	15.99	216.0	15.49	211.4	14.97	201.3	14.23	192.1	13.02
		25.4	230.9	16.43	222.4	16.04	216.0	15.54	211.4	14.99	201.3	14.25	192.1	13.03
		50.7	233.1	16.73	223.6	16.25	216.0	15.72	211.4	15.07	201.3	14.31	192.1	13.09
		63.4	234.7	16.67	224.6	16.25	216.0	15.68	211.4	15.03	201.3	14.27	192.1	13.03
		76.1	235.5	16.64	225.1	16.25	216.0	15.66	211.4	15.01	201.3	14.25	192.1	13.00
	59	20.3	231.6	14.42	223.1	14.18	216.0	13.86	211.4	13.53	201.3	12.74	192.1	11.77
		25.4	231.9	14.49	223.2	14.19	216.0	13.86	211.4	13.48	201.3	12.69	192.1	11.72
		50.7	233.1	14.77	223.8	14.23	216.0	13.86	211.4	13.28	201.3	12.51	192.1	11.52
		63.4	235.1	14.53	225.0	14.10	216.0	13.68	211.4	13.09	201.3	12.31	192.1	11.34
		76.1	236.1	14.41	225.6	14.04	216.0	13.59	211.4	13.00	201.3	12.20	192.1	11.24
	68	20.3	232.8	12.33	224.3	12.01	216.0	11.72	211.4	11.56	201.3	10.80	192.1	10.27
		25.4	233.7	12.39	224.4	12.02	216.0	11.72	211.4	11.52	201.3	10.75	192.1	10.16
		50.7	237.1	12.61	225.0	12.06	216.0	11.72	211.4	11.34	201.3	10.55	192.1	9.76
		63.4	238.5	12.39	227.1	11.96	216.0	11.52	211.4	11.13	201.3	10.35	192.1	9.58
		76.1	239.2	12.27	228.1	11.91	216.0	11.42	211.4	11.03	201.3	10.24	192.1	9.49
	77	20.3	235.6	10.78	227.9	10.44	216.0	10.01	211.4	9.63	201.3	9.04	192.1	8.20
		25.4	236.5	10.79	227.9	10.39	216.0	9.96	211.4	9.58	201.3	8.99	192.1	8.20
		50.7	239.9	10.83	227.9	10.16	216.0	9.76	211.4	9.38	201.3	8.79	192.1	8.20
		63.4	241.1	10.59	227.9	10.08	216.0	9.58	211.4	9.17	201.3	8.79	192.1	8.00
		76.1	241.7	10.47	227.9	10.04	216.0	9.49	211.4	9.07	201.3	8.79	192.1	7.90
	86	20.3	241.1	9.81	227.9	9.04	216.0	8.43	211.4	8.26	201.3	7.62	192.1	7.29
		25.4	241.1	9.76	227.9	8.99	216.0	8.41	211.4	8.20	201.3	7.62	192.1	7.23
		50.7	241.1	9.58	227.9	8.79	216.0	8.33	211.4	8.00	201.3	7.62	192.1	7.03
		63.4	241.1	9.38	227.9	8.79	216.0	8.20	211.4	8.00	201.3	7.42	192.1	7.03
		76.1	241.1	9.27	227.9	8.79	216.0	8.14	211.4	8.00	201.3	7.31	192.1	7.03
	95	20.3	241.1	9.09	227.9	8.30	216.0	7.44	211.4	7.29	201.3	6.88	192.1	6.29
		25.4	241.1	8.99	227.9	8.20	216.0	7.42	211.4	7.23	201.3	6.83	192.1	6.24
		50.7	241.1	8.59	227.9	7.82	216.0	7.34	211.4	7.03	201.3	6.65	192.1	6.06
		63.4	241.1	8.59	227.9	7.82	216.0	7.23	211.4	7.03	201.3	6.65	192.1	6.06
		76.1	241.1	8.59	227.9	7.82	216.0	7.18	211.4	7.03	201.3	6.65	192.1	6.06
	104	20.3	241.1	8.51	227.9	7.71	216.0	6.67	211.4	6.50	201.3	6.11	192.1	5.70
		25.4	241.1	8.41	227.9	7.62	216.0	6.65	211.4	6.45	201.3	6.06	192.1	5.66
		50.7	241.1	8.00	227.9	7.23	216.0	6.57	211.4	6.24	201.3	5.86	192.1	5.48
		63.4	241.1	7.82	227.9	7.23	216.0	6.45	211.4	6.24	201.3	5.86	192.1	5.48
		76.1	241.1	7.73	227.9	7.23	216.0	6.38	211.4	6.24	201.3	5.86	192.1	5.48
	113	20.3	241.1	7.92	227.9	7.13	216.0	5.88	211.4	5.70	201.3	5.33	192.1	5.12
		25.4	241.1	7.82	227.9	7.03	216.0	5.86	211.4	5.66	201.3	5.27	192.1	5.07
		50.7	241.1	7.42	227.9	6.65	216.0	5.78	211.4	5.48	201.3	5.07	192.1	4.89
		63.4	241.1	7.03	227.9	6.65	216.0	5.66	211.4	5.48	201.3	5.07	192.1	4.89
		76.1	241.1	6.84	227.9	6.65	216.0	5.60	211.4	5.48	201.3	5.07	192.1	4.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	20.3	82.0	11.54	79.4	10.51	77.1	9.23	76.5	8.80	75.9	8.48	74.6	7.61
		25.4	84.8	11.74	82.2	10.71	79.8	9.44	79.2	8.99	78.6	8.67	77.2	7.78
		50.7	96.0	12.53	93.0	11.50	90.2	10.24	89.6	9.76	89.0	9.42	87.2	8.45
		63.4	106.1	13.32	102.7	12.31	99.7	11.05	98.9	10.53	98.3	10.14	96.4	9.11
		76.1	111.2	13.71	107.5	12.71	104.4	11.46	103.5	10.91	102.9	10.51	101.1	9.45
	32	20.3	146.6	15.72	139.8	14.75	133.4	13.54	131.5	12.92	129.2	12.43	124.4	11.16
		25.4	147.5	15.76	140.7	14.79	134.2	13.58	132.2	12.95	130.0	12.47	125.2	11.19
		50.7	150.9	15.92	143.9	14.95	137.4	13.72	135.2	13.09	133.0	12.61	128.2	11.32
		63.4	153.1	15.92	146.1	14.95	139.6	13.72	137.2	13.09	135.2	12.61	130.2	11.32
		76.1	154.2	15.92	147.2	14.95	140.8	13.72	138.2	13.09	136.3	12.61	131.2	11.32
	41	20.3	207.2	16.88	200.5	15.93	194.1	14.74	190.1	14.05	181.6	13.53	173.0	12.14
		25.4	207.4	16.95	200.3	16.00	194.1	14.81	190.1	14.12	181.6	13.60	173.0	12.20
		50.7	208.2	17.26	199.7	16.31	194.1	15.09	190.1	14.41	181.6	13.88	173.0	12.45
		63.4	209.4	17.36	200.3	16.41	194.1	15.22	190.1	14.51	181.6	13.98	173.0	12.55
		76.1	210.0	17.41	200.6	16.46	194.1	15.28	190.1	14.56	181.6	14.03	173.0	12.60
	50	20.3	208.3	14.90	201.2	14.17	194.1	13.34	190.1	12.80	181.6	12.28	173.0	11.06
		25.4	208.2	14.91	200.9	14.19	194.1	13.36	190.1	12.81	181.6	12.27	173.0	11.07
		50.7	207.8	14.95	199.9	14.25	194.1	13.42	190.1	12.87	181.6	12.23	173.0	11.11
		63.4	209.2	14.91	200.5	14.21	194.1	13.38	190.1	12.83	181.6	12.27	173.0	11.15
		76.1	209.9	14.89	200.8	14.19	194.1	13.36	190.1	12.81	181.6	12.29	173.0	11.17
	59	20.3	209.3	12.90	201.9	12.44	194.1	11.97	190.1	11.56	181.6	11.03	173.0	10.01
		25.4	209.0	12.85	201.5	12.39	194.1	11.92	190.1	11.52	181.6	10.93	173.0	9.96
		50.7	207.6	12.65	200.1	12.18	194.1	11.72	190.1	11.34	181.6	10.55	173.0	9.76
		63.4	209.0	12.47	200.7	12.00	194.1	11.52	190.1	11.13	181.6	10.55	173.0	9.76
		76.1	209.7	12.38	201.0	11.91	194.1	11.42	190.1	11.03	181.6	10.55	173.0	9.76
	68	20.3	210.6	10.89	202.7	10.58	194.1	10.22	190.1	9.81	181.6	9.47	173.0	8.89
		25.4	210.4	10.89	202.3	10.55	194.1	10.16	190.1	9.76	181.6	9.38	173.0	8.79
		50.7	209.6	10.89	200.7	10.43	194.1	9.96	190.1	9.58	181.6	8.99	173.0	8.41
		63.4	210.2	10.71	201.3	10.35	194.1	9.96	190.1	9.58	181.6	8.99	173.0	8.41
		76.1	210.5	10.62	201.6	10.31	194.1	9.96	190.1	9.58	181.6	8.99	173.0	8.41
	77	20.3	214.1	9.52	205.4	9.01	194.1	8.63	190.1	8.20	181.6	7.87	173.0	7.29
		25.4	214.6	9.50	205.4	8.99	194.1	8.59	190.1	8.20	181.6	7.82	173.0	7.23
		50.7	216.6	9.42	205.4	8.91	194.1	8.41	190.1	8.20	181.6	7.62	173.0	7.03
		63.4	217.4	9.17	205.4	8.71	194.1	8.41	190.1	8.00	181.6	7.62	173.0	7.03
		76.1	217.8	9.05	205.4	8.61	194.1	8.41	190.1	7.90	181.6	7.62	173.0	7.03
	86	20.3	217.4	8.63	205.4	8.05	194.1	7.46	190.1	7.29	181.6	6.88	173.0	6.24
		25.4	217.4	8.59	205.4	8.00	194.1	7.42	190.1	7.23	181.6	6.83	173.0	6.24
		50.7	217.4	8.41	205.4	7.82	194.1	7.23	190.1	7.03	181.6	6.65	173.0	6.24
		63.4	217.4	8.20	205.4	7.62	194.1	7.23	190.1	7.03	181.6	6.65	173.0	6.06
		76.1	217.4	8.10	205.4	7.52	194.1	7.23	190.1	7.03	181.6	6.65	173.0	5.97
	95	20.3	217.4	7.87	205.4	7.29	194.1	6.70	190.1	6.50	181.6	6.11	173.0	5.70
		25.4	217.4	7.82	205.4	7.23	194.1	6.65	190.1	6.45	181.6	6.06	173.0	5.66
		50.7	217.4	7.62	205.4	7.03	194.1	6.45	190.1	6.24	181.6	5.86	173.0	5.48
		63.4	217.4	7.42	205.4	6.83	194.1	6.24	190.1	6.06	181.6	5.86	173.0	5.48
		76.1	217.4	7.31	205.4	6.73	194.1	6.14	190.1	5.97	181.6	5.86	173.0	5.48
	104	20.3	217.4	7.34	205.4	6.70	194.1	5.91	190.1	5.70	181.6	5.53	173.0	5.12
		25.4	217.4	7.23	205.4	6.65	194.1	5.86	190.1	5.66	181.6	5.48	173.0	5.07
		50.7	217.4	6.83	205.4	6.45	194.1	5.66	190.1	5.48	181.6	5.27	173.0	4.89
		63.4	217.4	6.83	205.4	6.45	194.1	5.66	190.1	5.48	181.6	5.27	173.0	4.89
		76.1	217.4	6.83	205.4	6.45	194.1	5.66	190.1	5.48	181.6	5.27	173.0	4.89
	113	20.3	217.4	6.80	205.4	6.11	194.1	5.12	190.1	4.94	181.6	4.94	173.0	4.53
		25.4	217.4	6.65	205.4	6.06	194.1	5.07	190.1	4.89	181.6	4.89	173.0	4.49
		50.7	217.4	6.06	205.4	5.86	194.1	4.89	190.1	4.69	181.6	4.69	173.0	4.30
		63.4	217.4	6.24	205.4	6.06	194.1	5.07	190.1	4.89	181.6	4.69	173.0	4.30
		76.1	217.4	6.34	205.4	6.16	194.1	5.16	190.1	4.99	181.6	4.69	173.0	4.30

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	20.3	77.5	8.22	72.7	7.91	68.8	7.58	68.0	7.32	67.6	6.98	66.2	6.43
		25.4	80.2	8.41	75.1	8.08	71.1	7.74	70.3	7.48	69.9	7.13	68.5	6.57
		50.7	90.6	9.13	85.0	8.77	80.4	8.39	79.6	8.10	79.2	7.74	77.6	7.11
		63.4	100.3	9.84	93.8	9.46	88.8	9.05	87.8	8.75	87.4	8.35	85.6	7.68
		76.1	105.1	10.20	98.3	9.80	93.1	9.39	92.0	9.08	91.6	8.65	89.6	7.96
	32	20.3	138.4	12.07	127.6	11.58	118.8	11.10	116.6	10.72	115.0	10.21	110.7	9.41
		25.4	139.2	12.10	128.4	11.62	119.6	11.13	117.3	10.75	115.7	10.24	111.3	9.44
		50.7	142.7	12.25	131.4	11.76	122.4	11.26	120.2	10.87	118.5	10.37	113.9	9.54
		63.4	144.7	12.25	133.4	11.76	124.4	11.26	122.0	10.87	120.4	10.37	115.7	9.54
		76.1	145.7	12.25	134.4	11.76	125.4	11.26	122.9	10.87	121.3	10.37	116.6	9.54
	41	20.3	191.5	13.12	180.7	12.63	172.7	12.06	169.0	11.66	161.7	11.12	153.7	10.23
		25.4	191.9	13.20	181.0	12.69	172.8	12.12	169.0	11.72	161.7	11.17	153.7	10.29
		50.7	193.5	13.48	182.4	12.93	173.0	12.39	169.0	11.96	161.7	11.40	153.7	10.51
		63.4	193.5	13.56	182.2	13.03	173.0	12.47	169.0	12.04	161.7	11.48	153.7	10.57
		76.1	193.5	13.60	182.1	13.08	173.0	12.51	169.0	12.08	161.7	11.52	153.7	10.60
	50	20.3	192.5	12.08	181.4	11.53	172.7	10.95	169.0	10.64	161.7	10.08	153.7	9.33
		25.4	192.7	12.06	181.6	11.52	172.8	10.95	169.0	10.65	161.7	10.08	153.7	9.34
		50.7	193.5	12.00	182.4	11.46	173.0	10.97	169.0	10.67	161.7	10.10	153.7	9.36
		63.4	193.5	11.96	182.2	11.50	173.0	11.01	169.0	10.61	161.7	10.04	153.7	9.30
		76.1	193.5	11.94	182.1	11.52	173.0	11.03	169.0	10.58	161.7	10.01	153.7	9.26
	59	20.3	193.5	11.03	182.2	10.44	173.0	9.81	169.0	9.63	161.7	9.04	153.7	8.46
		25.4	193.5	10.93	182.2	10.35	173.0	9.76	169.0	9.58	161.7	8.99	153.7	8.41
		50.7	193.5	10.55	182.2	9.96	173.0	9.58	169.0	9.38	161.7	8.79	153.7	8.20
		63.4	193.5	10.35	182.2	9.96	173.0	9.58	169.0	9.17	161.7	8.59	153.7	8.00
		76.1	193.5	10.24	182.2	9.96	173.0	9.58	169.0	9.07	161.7	8.49	153.7	7.90
	68	20.3	193.5	9.22	182.2	8.84	173.0	8.41	169.0	8.26	161.7	7.87	153.7	7.29
		25.4	193.5	9.17	182.2	8.79	173.0	8.41	169.0	8.20	161.7	7.82	153.7	7.23
		50.7	193.5	8.99	182.2	8.59	173.0	8.41	169.0	8.00	161.7	7.62	153.7	7.03
		63.4	193.5	8.79	182.2	8.41	173.0	8.20	169.0	8.00	161.7	7.42	153.7	7.03
		76.1	193.5	8.69	182.2	8.31	173.0	8.10	169.0	8.00	161.7	7.31	153.7	7.03
	77	20.3	193.5	8.26	182.2	7.67	173.0	7.23	169.0	7.08	161.7	6.70	153.7	6.29
		25.4	193.5	8.20	182.2	7.62	173.0	7.23	169.0	7.03	161.7	6.65	153.7	6.24
		50.7	193.5	8.00	182.2	7.42	173.0	7.23	169.0	6.83	161.7	6.45	153.7	6.06
		63.4	193.5	7.82	182.2	7.42	173.0	7.03	169.0	6.83	161.7	6.45	153.7	6.06
		76.1	193.5	7.73	182.2	7.42	173.0	6.93	169.0	6.83	161.7	6.45	153.7	6.06
	86	20.3	193.5	7.29	182.2	6.88	173.0	6.50	169.0	6.29	161.7	5.91	153.7	5.53
		25.4	193.5	7.23	182.2	6.83	173.0	6.45	169.0	6.24	161.7	5.86	153.7	5.48
		50.7	193.5	7.03	182.2	6.65	173.0	6.24	169.0	6.06	161.7	5.66	153.7	5.27
		63.4	193.5	7.03	182.2	6.65	173.0	6.24	169.0	6.06	161.7	5.66	153.7	5.27
		76.1	193.5	7.03	182.2	6.65	173.0	6.24	169.0	6.06	161.7	5.66	153.7	5.27
	95	20.3	193.5	6.70	182.2	6.29	173.0	5.70	169.0	5.48	161.7	5.33	153.7	4.89
		25.4	193.5	6.65	182.2	6.24	173.0	5.66	169.0	5.48	161.7	5.27	153.7	4.89
		50.7	193.5	6.45	182.2	6.06	173.0	5.48	169.0	5.48	161.7	5.07	153.7	4.89
		63.4	193.5	6.45	182.2	5.86	173.0	5.48	169.0	5.27	161.7	5.07	153.7	4.69
		76.1	193.5	6.45	182.2	5.76	173.0	5.48	169.0	5.17	161.7	5.07	153.7	4.59
	104	20.3	193.5	6.34	182.2	5.70	173.0	5.07	169.0	5.12	161.7	4.69	153.7	4.53
		25.4	193.5	6.24	182.2	5.66	173.0	5.07	169.0	5.07	161.7	4.69	153.7	4.49
		50.7	193.5	5.86	182.2	5.48	173.0	5.07	169.0	4.89	161.7	4.69	153.7	4.30
		63.4	193.5	5.86	182.2	5.48	173.0	4.89	169.0	4.89	161.7	4.69	153.7	4.30
		76.1	193.5	5.86	182.2	5.48	173.0	4.80	169.0	4.89	161.7	4.69	153.7	4.30
	113	20.3	193.5	6.01	182.2	5.12	173.0	4.43	169.0	4.78	161.7	4.05	153.7	4.20
		25.4	193.5	5.86	182.2	5.07	173.0	4.49	169.0	4.69	161.7	4.10	153.7	4.10
		50.7	193.5	5.27	182.2	4.89	173.0	4.69	169.0	4.30	161.7	4.30	153.7	3.72
		63.4	193.5	5.27	182.2	5.07	173.0	4.30	169.0	4.49	161.7	4.30	153.7	3.90
		76.1	193.5	5.27	182.2	5.16	173.0	4.11	169.0	4.58	161.7	4.30	153.7	3.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	20.3	67.6	7.06	63.5	6.72	60.1	6.51	59.5	6.13	59.1	5.91	58.1	5.38
		25.4	69.9	7.21	65.7	6.87	62.1	6.65	61.5	6.26	61.1	6.04	60.1	5.50
		50.7	79.2	7.82	74.3	7.46	70.1	7.21	69.5	6.79	69.1	6.55	67.9	5.96
		63.4	87.6	8.45	82.2	8.04	77.6	7.78	77.0	7.31	76.4	7.07	74.9	6.43
		76.1	91.9	8.76	86.1	8.34	81.3	8.06	80.7	7.58	80.0	7.34	78.5	6.66
	32	20.3	121.1	10.34	111.9	9.86	103.9	9.53	102.1	8.97	100.5	8.66	96.9	7.88
		25.4	121.8	10.37	112.5	9.88	104.5	9.56	102.7	8.99	101.1	8.69	97.5	7.90
		50.7	124.6	10.49	115.1	9.98	106.9	9.68	105.1	9.09	103.5	8.79	99.7	7.98
		63.4	126.4	10.49	116.9	9.98	108.5	9.68	106.7	9.09	105.1	8.79	101.3	7.98
		76.1	127.3	10.49	117.9	9.98	109.3	9.68	107.5	9.09	105.9	8.79	102.1	7.98
	41	20.3	167.2	11.26	158.4	10.71	150.8	10.37	147.7	9.77	141.1	9.43	134.4	8.56
		25.4	167.6	11.32	158.7	10.77	150.9	10.43	147.7	9.82	141.1	9.48	134.4	8.61
		50.7	169.0	11.54	159.9	10.99	151.1	10.65	147.7	10.00	141.1	9.68	134.4	8.79
		63.4	169.0	11.62	159.7	11.07	151.1	10.73	147.7	10.08	141.1	9.74	134.4	8.85
		76.1	169.0	11.66	159.6	11.11	151.1	10.77	147.7	10.12	141.1	9.77	134.4	8.88
	50	20.3	168.0	10.37	159.0	9.80	151.1	9.44	147.7	8.91	141.1	8.55	134.4	7.82
		25.4	168.2	10.35	159.1	9.78	151.1	9.42	147.7	8.91	141.1	8.55	134.4	7.82
		50.7	169.0	10.27	159.7	9.70	151.1	9.34	147.7	8.91	141.1	8.55	134.4	7.82
		63.4	169.0	10.31	159.7	9.74	151.1	9.38	147.7	8.95	141.1	8.49	134.4	7.84
		76.1	169.0	10.33	159.7	9.76	151.1	9.40	147.7	8.97	141.1	8.46	134.4	7.85
	59	20.3	169.0	9.47	159.7	8.89	151.1	8.51	147.7	8.05	141.1	7.67	134.4	7.08
		25.4	169.0	9.38	159.7	8.79	151.1	8.41	147.7	8.00	141.1	7.62	134.4	7.03
		50.7	169.0	8.99	159.7	8.41	151.1	8.00	147.7	7.82	141.1	7.42	134.4	6.83
		63.4	169.0	8.99	159.7	8.41	151.1	8.00	147.7	7.82	141.1	7.23	134.4	6.83
		76.1	169.0	8.99	159.7	8.41	151.1	8.00	147.7	7.82	141.1	7.14	134.4	6.83
	68	20.3	169.0	7.87	159.7	7.46	151.1	7.29	147.7	7.08	141.1	6.70	134.4	6.29
		25.4	169.0	7.82	159.7	7.42	151.1	7.23	147.7	7.03	141.1	6.65	134.4	6.24
		50.7	169.0	7.62	159.7	7.23	151.1	7.03	147.7	6.83	141.1	6.45	134.4	6.06
		63.4	169.0	7.62	159.7	7.23	151.1	7.03	147.7	6.65	141.1	6.45	134.4	5.86
		76.1	169.0	7.62	159.7	7.23	151.1	7.03	147.7	6.56	141.1	6.45	134.4	5.76
	77	20.3	169.0	7.08	159.7	6.70	151.1	6.29	147.7	6.11	141.1	5.66	134.4	5.27
		25.4	169.0	7.03	159.7	6.65	151.1	6.24	147.7	6.06	141.1	5.66	134.4	5.27
		50.7	169.0	6.83	159.7	6.45	151.1	6.06	147.7	5.86	141.1	5.66	134.4	5.27
		63.4	169.0	6.65	159.7	6.24	151.1	6.06	147.7	5.86	141.1	5.48	134.4	5.27
		76.1	169.0	6.56	159.7	6.14	151.1	6.06	147.7	5.86	141.1	5.38	134.4	5.27
	86	20.3	169.0	6.29	159.7	5.91	151.1	5.53	147.7	5.27	141.1	5.12	134.4	4.69
		25.4	169.0	6.24	159.7	5.86	151.1	5.48	147.7	5.27	141.1	5.07	134.4	4.69
		50.7	169.0	6.06	159.7	5.66	151.1	5.27	147.7	5.27	141.1	4.89	134.4	4.69
		63.4	169.0	6.06	159.7	5.66	151.1	5.27	147.7	5.07	141.1	4.89	134.4	4.69
		76.1	169.0	6.06	159.7	5.66	151.1	5.27	147.7	4.97	141.1	4.89	134.4	4.69
	95	20.3	169.0	5.70	159.7	5.33	151.1	4.89	147.7	4.94	141.1	4.49	134.4	4.36
		25.4	169.0	5.66	159.7	5.27	151.1	4.89	147.7	4.89	141.1	4.49	134.4	4.30
		50.7	169.0	5.48	159.7	5.07	151.1	4.89	147.7	4.69	141.1	4.49	134.4	4.10
		63.4	169.0	5.48	159.7	5.07	151.1	4.69	147.7	4.69	141.1	4.49	134.4	4.10
		76.1	169.0	5.48	159.7	5.07	151.1	4.59	147.7	4.69	141.1	4.49	134.4	4.10
	104	20.3	169.0	5.33	159.7	4.94	151.1	4.53	147.7	4.30	141.1	4.10	134.4	3.95
		25.4	169.0	5.27	159.7	4.89	151.1	4.49	147.7	4.30	141.1	4.10	134.4	3.90
		50.7	169.0	5.07	159.7	4.69	151.1	4.30	147.7	4.30	141.1	4.10	134.4	3.72
		63.4	169.0	5.07	159.7	4.69	151.1	4.30	147.7	4.10	141.1	3.90	134.4	3.72
		76.1	169.0	5.07	159.7	4.69	151.1	4.30	147.7	4.00	141.1	3.80	134.4	3.72
	113	20.3	169.0	4.94	159.7	4.53	151.1	4.20	147.7	3.67	141.1	3.72	134.4	3.57
		25.4	169.0	4.89	159.7	4.49	151.1	4.10	147.7	3.72	141.1	3.72	134.4	3.52
		50.7	169.0	4.69	159.7	4.30	151.1	3.72	147.7	3.90	141.1	3.72	134.4	3.31
		63.4	169.0	4.69	159.7	4.30	151.1	3.90	147.7	3.52	141.1	3.31	134.4	3.31
		76.1	169.0	4.69	159.7	4.30	151.1	3.99	147.7	3.32	141.1	3.11	134.4	3.31

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	20.3	58.0	5.73	54.4	5.52	51.5	5.30	50.9	4.92	50.7	4.84	49.7	4.33
		25.4	60.1	5.86	56.3	5.64	53.2	5.42	52.6	5.03	52.4	4.95	51.4	4.43
		50.7	68.1	6.37	63.7	6.12	60.3	5.88	59.7	5.46	59.5	5.38	58.3	4.81
		63.4	75.1	6.85	70.3	6.61	66.7	6.34	65.9	5.90	65.7	5.80	64.3	5.17
		76.1	78.7	7.09	73.7	6.85	69.9	6.58	69.0	6.12	68.8	6.01	67.3	5.36
	32	20.3	103.9	8.40	95.7	8.10	89.3	7.75	87.5	7.21	86.3	7.11	83.1	6.35
		25.4	104.5	8.43	96.2	8.12	89.8	7.78	88.0	7.23	86.8	7.13	83.6	6.37
		50.7	106.9	8.53	98.5	8.20	92.0	7.88	90.0	7.31	88.8	7.21	85.4	6.43
		63.4	108.5	8.53	100.1	8.20	93.4	7.88	91.4	7.31	90.2	7.21	86.8	6.43
		76.1	109.3	8.53	100.9	8.20	94.1	7.88	92.1	7.31	90.9	7.21	87.5	6.43
	41	20.3	143.6	9.15	135.4	8.80	129.8	8.44	126.6	7.86	121.2	7.74	115.3	6.90
		25.4	143.9	9.19	135.6	8.85	129.8	8.49	126.6	7.90	121.2	7.78	115.3	6.93
		50.7	145.1	9.38	136.6	9.03	129.8	8.67	126.6	8.06	121.2	7.94	115.3	7.07
		63.4	145.1	9.46	136.4	9.09	129.8	8.73	126.6	8.12	121.2	7.98	115.3	7.13
		76.1	145.1	9.50	136.3	9.12	129.8	8.76	126.6	8.15	121.2	8.00	115.3	7.16
	50	20.3	144.3	8.41	135.9	8.04	129.8	7.66	126.6	7.15	121.2	7.02	115.3	6.29
		25.4	144.5	8.41	136.0	8.04	129.8	7.66	126.6	7.17	121.2	7.01	115.3	6.30
		50.7	145.1	8.41	136.6	8.04	129.8	7.66	126.6	7.25	121.2	6.99	115.3	6.37
		63.4	145.1	8.43	136.4	7.96	129.8	7.58	126.6	7.17	121.2	6.93	115.3	6.30
		76.1	145.1	8.44	136.3	7.92	129.8	7.54	126.6	7.13	121.2	6.90	115.3	6.27
	59	20.3	145.1	7.67	136.4	7.29	129.8	6.88	126.6	6.45	121.2	6.29	115.3	5.66
		25.4	145.1	7.62	136.4	7.23	129.8	6.83	126.6	6.45	121.2	6.24	115.3	5.66
		50.7	145.1	7.42	136.4	7.03	129.8	6.65	126.6	6.45	121.2	6.06	115.3	5.66
		63.4	145.1	7.42	136.4	6.83	129.8	6.45	126.6	6.24	121.2	5.86	115.3	5.48
		76.1	145.1	7.42	136.4	6.73	129.8	6.34	126.6	6.14	121.2	5.76	115.3	5.38
	68	20.3	145.1	6.70	136.4	6.29	129.8	5.91	126.6	5.70	121.2	5.53	115.3	5.12
		25.4	145.1	6.65	136.4	6.24	129.8	5.86	126.6	5.66	121.2	5.48	115.3	5.07
		50.7	145.1	6.45	136.4	6.06	129.8	5.66	126.6	5.48	121.2	5.27	115.3	4.89
		63.4	145.1	6.45	136.4	6.06	129.8	5.66	126.6	5.48	121.2	5.27	115.3	4.89
		76.1	145.1	6.45	136.4	6.06	129.8	5.66	126.6	5.48	121.2	5.27	115.3	4.89
	77	20.3	145.1	5.91	136.4	5.53	129.8	5.07	126.6	5.12	121.2	4.69	115.3	4.53
		25.4	145.1	5.86	136.4	5.48	129.8	5.07	126.6	5.07	121.2	4.69	115.3	4.49
		50.7	145.1	5.66	136.4	5.27	129.8	5.07	126.6	4.89	121.2	4.69	115.3	4.30
		63.4	145.1	5.66	136.4	5.27	129.8	4.89	126.6	4.89	121.2	4.69	115.3	4.30
		76.1	145.1	5.66	136.4	5.27	129.8	4.80	126.6	4.89	121.2	4.69	115.3	4.30
	86	20.3	145.1	5.33	136.4	4.94	129.8	4.74	126.6	4.53	121.2	4.36	115.3	4.15
		25.4	145.1	5.27	136.4	4.89	129.8	4.69	126.6	4.49	121.2	4.30	115.3	4.10
		50.7	145.1	5.07	136.4	4.69	129.8	4.49	126.6	4.30	121.2	4.10	115.3	3.90
		63.4	145.1	5.07	136.4	4.69	129.8	4.49	126.6	4.30	121.2	4.10	115.3	3.90
		76.1	145.1	5.07	136.4	4.69	129.8	4.49	126.6	4.30	121.2	4.10	115.3	3.90
	95	20.3	145.1	4.69	136.4	4.53	129.8	4.10	126.6	4.15	121.2	3.95	115.3	3.77
		25.4	145.1	4.69	136.4	4.49	129.8	4.10	126.6	4.10	121.2	3.90	115.3	3.72
		50.7	145.1	4.69	136.4	4.30	129.8	4.10	126.6	3.90	121.2	3.72	115.3	3.52
		63.4	145.1	4.69	136.4	4.30	129.8	3.90	126.6	3.90	121.2	3.72	115.3	3.52
		76.1	145.1	4.69	136.4	4.30	129.8	3.80	126.6	3.90	121.2	3.72	115.3	3.52
	104	20.3	145.1	4.30	136.4	4.15	129.8	3.72	126.6	3.77	121.2	3.57	115.3	3.31
		25.4	145.1	4.30	136.4	4.10	129.8	3.72	126.6	3.72	121.2	3.52	115.3	3.31
		50.7	145.1	4.30	136.4	3.90	129.8	3.72	126.6	3.52	121.2	3.31	115.3	3.31
		63.4	145.1	4.30	136.4	3.90	129.8	3.72	126.6	3.52	121.2	3.31	115.3	3.31
		76.1	145.1	4.30	136.4	3.90	129.8	3.72	126.6	3.52	121.2	3.31	115.3	3.31
	113	20.3	145.1	3.90	136.4	3.77	129.8	3.31	126.6	3.36	121.2	3.18	115.3	2.88
		25.4	145.1	3.90	136.4	3.72	129.8	3.31	126.6	3.31	121.2	3.13	115.3	2.93
		50.7	145.1	3.90	136.4	3.52	129.8	3.31	126.6	3.13	121.2	2.93	115.3	3.13
		63.4	145.1	3.90	136.4	3.52	129.8	3.52	126.6	3.13	121.2	2.93	115.3	3.13
		76.1	145.1	3.90	136.4	3.52	129.8	3.62	126.6	3.13	121.2	2.93	115.3	3.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN192DAS4, ARWB192DAS4

192,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	20.3	48.4	4.57	45.5	4.33	42.9	4.10	42.3	3.87	42.1	3.64	41.4	3.44
		25.4	50.0	4.67	47.0	4.43	44.4	4.18	43.8	3.96	43.6	3.72	42.8	3.52
		50.7	56.5	5.05	53.0	4.81	50.2	4.53	49.6	4.30	49.4	4.04	48.4	3.80
		63.4	62.5	5.46	58.7	5.17	55.5	4.89	54.9	4.65	54.5	4.34	53.6	4.10
		76.1	65.5	5.66	61.5	5.36	58.1	5.07	57.5	4.82	57.0	4.50	56.3	4.25
	32	20.3	86.3	6.69	79.9	6.35	74.3	5.98	72.7	5.68	71.7	5.34	69.1	5.04
		25.4	86.8	6.71	80.4	6.37	74.7	6.00	73.1	5.70	72.1	5.35	69.5	5.05
		50.7	88.8	6.77	82.2	6.43	76.6	6.08	74.9	5.78	73.9	5.42	71.1	5.11
		63.4	90.2	6.77	83.4	6.43	77.6	6.08	76.2	5.78	74.9	5.42	72.3	5.11
		76.1	90.9	6.77	84.0	6.43	78.1	6.08	76.8	5.78	75.5	5.42	72.9	5.11
	41	20.3	119.3	7.28	113.1	6.90	107.8	6.51	105.3	6.19	100.7	5.81	96.0	5.47
		25.4	119.6	7.31	113.3	6.93	107.9	6.55	105.3	6.22	100.7	5.84	96.0	5.50
		50.7	120.6	7.46	114.1	7.07	108.1	6.69	105.3	6.34	100.7	5.94	96.0	5.62
		63.4	120.6	7.52	113.9	7.13	108.1	6.73	105.3	6.39	100.7	6.00	96.0	5.66
		76.1	120.6	7.55	113.8	7.16	108.1	6.75	105.3	6.41	100.7	6.03	96.0	5.68
	50	20.3	120.1	6.70	113.4	6.31	107.8	5.93	105.3	5.67	100.7	5.24	96.0	5.00
		25.4	120.2	6.69	113.5	6.30	107.9	5.92	105.3	5.66	100.7	5.25	96.0	4.99
		50.7	120.6	6.65	114.1	6.28	108.1	5.88	105.3	5.62	100.7	5.31	96.0	4.95
		63.4	120.6	6.69	113.9	6.30	108.1	5.90	105.3	5.64	100.7	5.23	96.0	4.97
		76.1	120.6	6.71	113.8	6.31	108.1	5.91	105.3	5.65	100.7	5.19	96.0	4.98
	59	20.3	120.6	6.11	113.9	5.70	108.1	5.33	105.3	5.12	100.7	4.69	96.0	4.53
		25.4	120.6	6.06	113.9	5.66	108.1	5.27	105.3	5.07	100.7	4.69	96.0	4.49
		50.7	120.6	5.86	113.9	5.48	108.1	5.07	105.3	4.89	100.7	4.69	96.0	4.30
		63.4	120.6	5.86	113.9	5.48	108.1	5.07	105.3	4.89	100.7	4.49	96.0	4.30
		76.1	120.6	5.86	113.9	5.48	108.1	5.07	105.3	4.89	100.7	4.38	96.0	4.30
	68	20.3	120.6	5.33	113.9	4.94	108.1	4.74	105.3	4.53	100.7	4.36	96.0	3.90
		25.4	120.6	5.27	113.9	4.89	108.1	4.69	105.3	4.49	100.7	4.30	96.0	3.90
		50.7	120.6	5.07	113.9	4.69	108.1	4.49	105.3	4.30	100.7	4.10	96.0	3.90
		63.4	120.6	5.07	113.9	4.69	108.1	4.49	105.3	4.30	100.7	4.10	96.0	3.90
		76.1	120.6	5.07	113.9	4.69	108.1	4.49	105.3	4.30	100.7	4.10	96.0	3.90
	77	20.3	120.6	4.74	113.9	4.30	108.1	4.15	105.3	3.90	100.7	3.72	96.0	3.52
		25.4	120.6	4.69	113.9	4.30	108.1	4.10	105.3	3.90	100.7	3.72	96.0	3.52
		50.7	120.6	4.49	113.9	4.30	108.1	3.90	105.3	3.90	100.7	3.72	96.0	3.52
		63.4	120.6	4.49	113.9	4.30	108.1	3.90	105.3	3.90	100.7	3.72	96.0	3.52
		76.1	120.6	4.49	113.9	4.30	108.1	3.90	105.3	3.90	100.7	3.72	96.0	3.52
	86	20.3	120.6	4.36	113.9	3.95	108.1	3.77	105.3	3.52	100.7	3.57	96.0	3.36
		25.4	120.6	4.30	113.9	3.90	108.1	3.72	105.3	3.52	100.7	3.52	96.0	3.31
		50.7	120.6	4.10	113.9	3.72	108.1	3.52	105.3	3.52	100.7	3.31	96.0	3.13
		63.4	120.6	4.10	113.9	3.72	108.1	3.52	105.3	3.52	100.7	3.31	96.0	3.13
		76.1	120.6	4.10	113.9	3.72	108.1	3.52	105.3	3.52	100.7	3.31	96.0	3.13
	95	20.3	120.6	3.95	113.9	3.52	108.1	3.31	105.3	3.36	100.7	3.13	96.0	2.93
		25.4	120.6	3.90	113.9	3.52	108.1	3.31	105.3	3.31	100.7	3.13	96.0	2.93
		50.7	120.6	3.72	113.9	3.52	108.1	3.31	105.3	3.13	100.7	3.13	96.0	2.93
		63.4	120.6	3.72	113.9	3.52	108.1	3.31	105.3	3.13	100.7	3.13	96.0	2.93
		76.1	120.6	3.72	113.9	3.52	108.1	3.31	105.3	3.13	100.7	3.13	96.0	2.93
	104	20.3	120.6	3.57	113.9	3.36	108.1	3.18	105.3	2.93	100.7	2.98	96.0	2.73
		25.4	120.6	3.52	113.9	3.31	108.1	3.13	105.3	2.93	100.7	2.93	96.0	2.73
		50.7	120.6	3.31	113.9	3.13	108.1	2.93	105.3	2.93	100.7	2.73	96.0	2.73
		63.4	120.6	3.31	113.9	3.13	108.1	2.93	105.3	2.93	100.7	2.73	96.0	2.73
		76.1	120.6	3.31	113.9	3.13	108.1	2.93	105.3	2.93	100.7	2.73	96.0	2.73
	113	20.3	120.6	3.18	113.9	3.23	108.1	3.03	105.3	2.50	100.7	2.82	96.0	2.55
		25.4	120.6	3.13	113.9	3.13	108.1	2.93	105.3	2.55	100.7	2.73	96.0	2.55
		50.7	120.6	2.93	113.9	2.73	108.1	2.55	105.3	2.73	100.7	2.34	96.0	2.55
		63.4	120.6	2.93	113.9	2.73	108.1	2.55	105.3	2.73	100.7	2.34	96.0	2.55
		76.1	120.6	2.93	113.9	2.73	108.1	2.55	105.3	2.73	100.7	2.34	96.0	2.55

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN240DAS4, ARWB240DAS4
240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	24.4	127.7	14.40	126.8	13.56	126.0	12.62	124.3	12.25	125.8	11.93	122.3	10.70
		30.5	132.1	14.65	131.1	13.82	130.4	12.90	128.6	12.52	130.1	12.19	126.6	10.93
		60.9	149.4	15.65	148.2	14.86	147.4	13.99	145.4	13.58	147.2	13.20	143.4	11.85
		76.1	165.3	16.64	163.8	15.88	162.8	15.08	160.7	14.67	162.8	14.25	158.5	12.78
		91.4	173.2	17.14	171.6	16.40	170.5	15.63	168.5	15.22	170.6	14.77	166.1	13.24
	32	24.4	228.2	19.69	223.0	19.11	218.2	18.48	213.5	17.96	214.2	17.47	204.4	15.65
		30.5	229.6	19.75	224.3	19.16	219.5	18.54	214.7	18.02	215.5	17.52	205.7	15.69
		60.9	235.1	19.96	229.3	19.34	224.5	18.75	219.8	18.23	220.5	17.71	210.7	15.88
		76.1	238.6	19.96	232.8	19.34	228.1	18.75	223.0	18.23	223.8	17.71	213.7	15.88
		91.4	240.4	19.96	234.6	19.34	229.8	18.75	224.7	18.23	225.4	17.71	215.3	15.88
	41	24.4	328.6	21.17	323.7	20.65	316.9	20.12	308.9	19.55	300.6	19.01	284.1	17.03
		30.5	329.8	21.27	324.3	20.74	317.0	20.22	308.9	19.65	300.6	19.11	284.1	17.12
		60.9	334.3	21.64	326.5	21.12	317.2	20.63	308.9	20.06	300.6	19.49	284.1	17.47
		76.1	336.3	21.79	327.5	21.27	317.2	20.77	308.9	20.20	300.6	19.63	284.1	17.59
		91.4	337.3	21.86	328.0	21.34	317.2	20.84	308.9	20.27	300.6	19.70	284.1	17.65
	50	24.4	329.1	19.26	323.7	18.62	315.9	18.27	307.7	17.86	299.5	17.25	282.9	15.56
		30.5	331.0	19.23	325.3	18.63	317.2	18.30	308.9	17.85	300.6	17.23	284.1	15.55
		60.9	338.8	19.08	331.3	18.70	322.2	18.44	314.0	17.83	305.2	17.19	288.6	15.50
		76.1	340.6	19.34	333.5	18.97	324.3	18.52	315.5	17.90	307.2	17.47	290.3	16.24
		91.4	341.5	19.48	334.7	19.10	325.3	18.55	316.2	17.93	308.2	17.62	291.2	16.61
	59	24.4	329.6	17.36	323.8	16.62	314.7	16.44	306.4	16.17	298.4	15.48	281.8	14.11
		30.5	332.3	17.19	326.3	16.55	317.2	16.41	308.9	16.05	300.6	15.36	284.1	13.99
		60.9	343.1	16.50	336.1	16.26	327.3	16.26	319.0	15.58	309.7	14.89	293.1	13.51
		76.1	344.8	16.90	339.3	16.64	331.3	16.26	322.2	15.58	314.0	15.31	296.6	14.89
		91.4	345.7	17.11	341.0	16.83	333.3	16.26	323.9	15.58	316.1	15.53	298.4	15.58
	68	24.4	342.1	15.93	335.8	15.18	327.0	14.85	317.9	14.38	308.7	14.06	290.4	13.63
		30.5	344.8	15.81	338.6	15.17	329.5	14.84	320.5	14.44	311.4	14.15	293.1	13.51
		60.9	355.6	15.36	349.4	15.13	339.6	14.79	330.5	14.67	322.2	14.53	303.9	13.06
		76.1	357.2	15.36	351.9	15.13	343.6	14.89	333.8	14.67	324.8	14.53	306.4	13.89
		91.4	357.9	15.36	353.1	15.13	345.6	14.94	335.4	14.67	326.0	14.53	307.7	14.31
	77	24.4	361.2	15.18	351.9	14.75	343.6	14.50	337.1	14.25	329.5	14.05	310.7	13.12
		30.5	361.2	15.13	351.9	14.72	343.6	14.44	337.1	14.20	329.5	13.99	310.7	13.06
		60.9	361.2	14.89	351.9	14.63	343.6	14.20	337.1	13.99	329.5	13.75	310.7	12.83
		76.1	361.2	14.67	351.9	14.25	343.6	13.99	337.1	13.75	329.5	13.51	310.7	12.61
		91.4	361.2	14.57	351.9	14.06	343.6	13.88	337.1	13.63	329.5	13.39	310.7	12.50
	86	24.4	361.2	14.79	351.9	14.06	343.6	13.93	337.1	13.57	329.5	13.42	310.7	12.49
		30.5	361.2	14.67	351.9	14.03	343.6	13.84	337.1	13.51	329.5	13.30	310.7	12.38
		60.9	361.2	14.20	351.9	13.94	343.6	13.51	337.1	13.30	329.5	12.83	310.7	11.92
		76.1	361.2	13.99	351.9	13.56	343.6	13.30	337.1	13.06	329.5	12.83	310.7	11.92
		91.4	361.2	13.88	351.9	13.37	343.6	13.19	337.1	12.94	329.5	12.83	310.7	11.92
	95	24.4	361.2	14.11	351.9	13.64	343.6	13.36	337.1	12.88	329.5	12.43	310.7	11.56
		30.5	361.2	13.99	351.9	13.56	343.6	13.30	337.1	12.83	329.5	12.38	310.7	11.45
		60.9	361.2	13.51	351.9	13.25	343.6	13.06	337.1	12.61	329.5	12.14	310.7	11.00
		76.1	361.2	13.51	351.9	13.11	343.6	12.83	337.1	12.38	329.5	11.92	310.7	11.00
		91.4	361.2	13.51	351.9	13.04	343.6	12.71	337.1	12.26	329.5	11.82	310.7	11.00
	104	24.4	361.2	13.63	351.9	13.19	343.6	12.94	337.1	12.49	329.5	12.04	310.7	10.88
		30.5	361.2	13.51	351.9	13.11	343.6	12.83	337.1	12.38	329.5	11.92	310.7	10.76
		60.9	361.2	13.06	351.9	12.78	343.6	12.38	337.1	11.92	329.5	11.45	310.7	10.31
		76.1	361.2	12.83	351.9	12.56	343.6	12.38	337.1	11.92	329.5	11.45	310.7	10.31
		91.4	361.2	12.71	351.9	12.46	343.6	12.38	337.1	11.92	329.5	11.45	310.7	10.31
	113	24.4	361.2	13.18	351.9	12.74	343.6	12.55	337.1	12.10	329.5	11.62	310.7	10.19
		30.5	361.2	13.06	351.9	12.66	343.6	12.38	337.1	11.92	329.5	11.45	310.7	10.08
		60.9	361.2	12.61	351.9	12.33	343.6	11.69	337.1	11.24	329.5	10.76	310.7	9.63
		76.1	361.2	12.14	351.9	12.02	343.6	11.92	337.1	11.45	329.5	11.00	310.7	9.63
		91.4	361.2	11.90	351.9	11.86	343.6	12.04	337.1	11.56	329.5	11.12	310.7	9.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	24.4	121.4	14.40	120.5	13.56	119.7	12.62	118.3	12.09	119.2	11.74	116.1	10.51
		30.5	125.6	14.65	124.6	13.82	123.8	12.90	122.3	12.35	123.3	12.00	120.1	10.74
		60.9	142.2	15.65	140.9	14.86	140.1	13.99	138.4	13.39	139.6	13.02	135.9	11.66
		76.1	157.0	16.64	155.7	15.88	154.7	15.08	153.0	14.46	154.2	14.03	149.9	12.56
		91.4	164.4	17.14	163.2	16.40	162.1	15.63	160.3	15.00	161.6	14.55	157.0	13.02
	32	24.4	217.0	19.69	211.7	19.11	207.2	18.48	203.0	17.70	203.0	17.21	193.7	15.39
		30.5	218.3	19.75	213.0	19.16	208.5	18.54	204.2	17.76	204.2	17.26	194.9	15.43
		60.9	223.3	19.96	218.0	19.34	213.5	18.75	209.0	17.97	209.0	17.45	199.7	15.62
		76.1	226.8	19.96	221.5	19.34	216.8	18.75	212.2	17.97	212.0	17.45	202.7	15.62
		91.4	228.6	19.96	223.3	19.34	218.4	18.75	213.9	17.97	213.5	17.45	204.2	15.62
	41	24.4	312.8	21.17	308.1	20.65	301.4	20.12	294.1	19.27	284.8	18.73	269.2	16.77
		30.5	314.0	21.27	308.7	20.74	301.4	20.22	294.1	19.37	284.8	18.82	269.2	16.86
		60.9	318.5	21.64	310.9	21.12	301.4	20.63	294.1	19.77	284.8	19.20	269.2	17.19
		76.1	320.2	21.79	309.2	21.27	301.4	20.77	294.1	19.91	284.8	19.34	269.2	17.31
		91.4	321.1	21.86	308.3	21.34	301.4	20.84	294.1	19.99	284.8	19.42	269.2	17.37
	50	24.4	314.0	19.02	308.2	18.49	300.6	18.12	293.3	17.57	284.1	16.99	268.5	15.27
		30.5	315.5	19.08	309.4	18.56	301.4	18.18	294.1	17.59	284.8	16.97	269.2	15.29
		60.9	321.2	19.34	314.5	18.85	304.7	18.44	297.4	17.69	287.8	16.93	272.0	15.36
		76.1	323.0	19.27	313.5	18.85	305.9	18.52	298.6	17.76	289.1	17.00	273.3	15.88
		91.4	323.9	19.24	312.9	18.85	306.5	18.55	299.3	17.79	289.7	17.03	273.9	16.15
	59	24.4	314.9	16.87	308.5	16.37	299.7	16.11	292.5	15.87	283.4	15.24	267.8	13.81
		30.5	316.7	16.90	310.4	16.41	301.4	16.14	294.1	15.81	284.8	15.13	269.2	13.75
		60.9	324.0	17.05	318.0	16.55	308.2	16.26	300.6	15.58	290.6	14.67	275.0	13.51
		76.1	325.8	16.78	317.7	16.41	310.7	16.26	303.2	15.58	293.1	14.67	277.5	14.44
		91.4	326.6	16.65	317.6	16.33	312.0	16.26	304.4	15.58	294.4	14.67	278.8	14.90
	68	24.4	323.7	15.17	317.6	14.53	308.0	14.14	299.5	13.93	289.8	13.76	274.1	13.06
		30.5	325.8	15.17	319.5	14.58	309.7	14.20	301.4	13.99	291.6	13.75	275.8	13.02
		60.9	334.0	15.17	327.0	14.79	316.5	14.44	308.9	14.20	298.9	13.70	282.3	12.83
		76.1	335.6	15.03	326.8	14.67	319.0	14.44	310.7	14.20	300.6	13.75	284.1	13.30
		91.4	336.3	14.96	326.6	14.61	320.2	14.44	311.6	14.20	301.5	13.77	285.0	13.54
	77	24.4	339.4	14.35	329.5	13.68	319.0	13.42	312.2	13.12	303.9	12.88	287.3	11.98
		30.5	339.6	14.30	329.5	13.66	319.0	13.39	312.2	13.06	303.9	12.83	287.3	11.92
		60.9	340.3	14.08	329.5	13.56	319.0	13.30	312.2	12.83	303.9	12.61	287.3	11.69
		76.1	341.3	13.56	329.5	13.20	319.0	13.06	312.2	12.83	303.9	12.38	287.3	11.69
		91.4	341.8	13.30	329.5	13.03	319.0	12.94	312.2	12.83	303.9	12.26	287.3	11.69
	86	24.4	341.3	13.72	329.5	13.05	319.0	12.67	312.2	12.19	303.9	12.04	287.3	11.06
		30.5	341.3	13.61	329.5	12.97	319.0	12.61	312.2	12.14	303.9	11.92	287.3	11.00
		60.9	341.3	13.16	329.5	12.66	319.0	12.38	312.2	11.92	303.9	11.45	287.3	10.76
		76.1	341.3	12.73	329.5	12.38	319.0	12.14	312.2	11.92	303.9	11.45	287.3	10.55
		91.4	341.3	12.52	329.5	12.23	319.0	12.02	312.2	11.92	303.9	11.45	287.3	10.44
	95	24.4	341.3	13.11	329.5	12.39	319.0	12.04	312.2	11.56	303.9	11.11	287.3	10.13
		30.5	341.3	12.92	329.5	12.28	319.0	11.92	312.2	11.45	303.9	11.00	287.3	10.08
		60.9	341.3	12.19	329.5	11.83	319.0	11.45	312.2	11.00	303.9	10.55	287.3	9.86
		76.1	341.3	12.04	329.5	11.73	319.0	11.45	312.2	11.00	303.9	10.55	287.3	9.63
		91.4	341.3	11.97	329.5	11.69	319.0	11.45	312.2	11.00	303.9	10.55	287.3	9.51
	104	24.4	341.3	12.72	329.5	11.83	319.0	11.36	312.2	10.88	303.9	10.43	287.3	9.44
		30.5	341.3	12.47	329.5	11.69	319.0	11.24	312.2	10.76	303.9	10.31	287.3	9.39
		60.9	341.3	11.50	329.5	11.14	319.0	10.76	312.2	10.31	303.9	9.86	287.3	9.17
		76.1	341.3	11.36	329.5	11.00	319.0	10.76	312.2	10.31	303.9	9.86	287.3	8.94
		91.4	341.3	11.28	329.5	10.93	319.0	10.76	312.2	10.31	303.9	9.86	287.3	8.82
	113	24.4	341.3	12.32	329.5	11.26	319.0	10.67	312.2	10.19	303.9	9.74	287.3	8.75
		30.5	341.3	12.02	329.5	11.09	319.0	10.55	312.2	10.08	303.9	9.63	287.3	8.70
		60.9	341.3	10.81	329.5	10.45	319.0	10.08	312.2	9.63	303.9	9.17	287.3	8.49
		76.1	341.3	10.67	329.5	10.27	319.0	10.08	312.2	9.63	303.9	9.17	287.3	8.25
		91.4	341.3	10.60	329.5	10.17	319.0	10.08	312.2	9.63	303.9	9.17	287.3	8.13

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN240DAS4, ARWB240DAS4
240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	24.4	114.9	14.59	114.1	13.56	113.4	12.62	112.2	12.09	112.5	11.74	110.0	10.51
		30.5	118.8	14.84	118.0	13.82	117.3	12.90	116.0	12.35	116.3	12.00	113.8	10.74
		60.9	134.4	15.84	133.6	14.86	132.9	13.99	131.4	13.39	131.4	13.02	128.8	11.66
		76.1	148.4	16.86	147.4	15.88	146.7	15.08	145.2	14.46	145.2	14.03	142.2	12.56
		91.4	155.5	17.37	154.4	16.40	153.6	15.63	152.1	15.00	152.1	14.55	148.9	13.02
	32	24.4	205.3	19.96	200.7	19.11	196.5	18.48	192.8	17.70	191.0	17.21	183.8	15.39
		30.5	206.5	20.01	201.9	19.16	197.7	18.54	193.9	17.76	192.1	17.26	184.9	15.43
		60.9	211.2	20.20	206.7	19.34	202.2	18.75	198.4	17.97	196.7	17.45	189.1	15.62
		76.1	214.5	20.20	210.0	19.34	205.5	18.75	201.4	17.97	199.7	17.45	191.9	15.62
		91.4	216.1	20.20	211.6	19.34	207.1	18.75	203.0	17.97	201.2	17.45	193.3	15.62
	41	24.4	299.4	21.45	292.3	20.65	285.5	20.12	279.0	19.27	268.2	18.73	255.2	16.77
		30.5	300.4	21.55	292.9	20.74	285.6	20.22	279.0	19.37	268.2	18.82	255.2	16.86
		60.9	304.4	21.93	295.1	21.12	285.8	20.63	279.0	19.77	268.2	19.20	255.2	17.19
		76.1	306.2	22.07	295.9	21.27	285.8	20.77	279.0	19.91	268.2	19.34	255.2	17.31
		91.4	307.1	22.14	296.2	21.34	285.8	20.84	279.0	19.99	268.2	19.42	255.2	17.37
	50	24.4	300.5	19.24	293.1	18.58	285.1	18.18	278.6	17.57	267.8	16.99	254.9	15.27
		30.5	301.6	19.27	293.9	18.63	285.6	18.23	279.0	17.59	268.2	16.97	255.2	15.29
		60.9	306.2	19.42	296.9	18.85	287.3	18.44	280.8	17.69	270.0	16.93	256.4	15.36
		76.1	307.9	19.42	298.1	18.85	288.3	18.40	281.3	17.64	270.5	17.00	257.2	15.53
		91.4	308.8	19.42	298.8	18.85	288.8	18.37	281.6	17.61	270.8	17.03	257.6	15.61
	59	24.4	301.4	17.02	293.5	16.55	285.0	16.26	278.2	15.87	267.4	15.24	254.5	13.81
		30.5	302.7	17.00	294.6	16.55	285.8	16.26	279.0	15.81	268.2	15.13	255.2	13.75
		60.9	307.7	16.90	298.9	16.55	289.1	16.26	282.3	15.58	271.8	14.67	257.7	13.51
		76.1	309.4	16.78	300.4	16.41	290.6	16.05	283.3	15.36	272.5	14.67	259.2	13.75
		91.4	310.3	16.72	301.2	16.33	291.4	15.94	283.8	15.25	272.9	14.67	260.0	13.87
	68	24.4	307.0	14.69	298.6	14.34	289.0	13.99	281.2	13.75	270.9	13.36	256.7	12.49
		30.5	308.7	14.72	299.6	14.34	289.8	13.99	282.3	13.75	271.8	13.30	257.7	12.47
		60.9	315.2	14.84	303.7	14.34	293.1	13.99	286.6	13.75	275.0	13.06	261.7	12.38
		76.1	317.0	14.84	306.2	14.34	294.9	13.99	287.3	13.51	276.5	13.06	262.5	12.38
		91.4	317.9	14.84	307.4	14.34	295.8	13.99	287.7	13.39	277.3	13.06	262.8	12.38
	77	24.4	316.6	13.37	307.2	12.88	294.9	12.67	288.3	12.19	278.3	11.75	263.5	10.76
		30.5	317.2	13.35	307.2	12.83	294.9	12.61	288.3	12.14	278.3	11.69	263.5	10.76
		60.9	319.7	13.25	307.2	12.61	294.9	12.38	288.3	11.92	278.3	11.45	263.5	10.76
		76.1	321.2	13.25	307.2	12.66	294.9	12.14	288.3	11.92	278.3	11.24	263.5	10.55
		91.4	322.0	13.25	307.2	12.68	294.9	12.02	288.3	11.92	278.3	11.13	263.5	10.44
	86	24.4	321.2	12.19	307.2	11.75	294.9	11.30	288.3	11.06	278.3	10.37	263.5	9.68
		30.5	321.2	12.14	307.2	11.69	294.9	11.24	288.3	11.00	278.3	10.31	263.5	9.63
		60.9	321.2	11.92	307.2	11.45	294.9	11.00	288.3	10.76	278.3	10.08	263.5	9.39
		76.1	321.2	11.83	307.2	11.24	294.9	10.76	288.3	10.55	278.3	10.08	263.5	9.39
		91.4	321.2	11.78	307.2	11.13	294.9	10.64	288.3	10.44	278.3	10.08	263.5	9.39
	95	24.4	321.2	11.56	307.2	10.82	294.9	10.37	288.3	9.92	278.3	9.44	263.5	8.75
		30.5	321.2	11.45	307.2	10.76	294.9	10.31	288.3	9.86	278.3	9.39	263.5	8.70
		60.9	321.2	11.00	307.2	10.55	294.9	10.08	288.3	9.63	278.3	9.17	263.5	8.49
		76.1	321.2	10.72	307.2	10.31	294.9	9.86	288.3	9.63	278.3	9.17	263.5	8.49
		91.4	321.2	10.57	307.2	10.19	294.9	9.75	288.3	9.63	278.3	9.17	263.5	8.49
	104	24.4	321.2	10.88	307.2	10.43	294.9	9.74	288.3	9.23	278.3	8.75	263.5	8.07
		30.5	321.2	10.76	307.2	10.31	294.9	9.63	288.3	9.17	278.3	8.70	263.5	8.01
		60.9	321.2	10.31	307.2	9.86	294.9	9.17	288.3	8.94	278.3	8.49	263.5	7.80
		76.1	321.2	10.17	307.2	9.63	294.9	9.17	288.3	8.70	278.3	8.25	263.5	7.56
		91.4	321.2	10.10	307.2	9.51	294.9	9.17	288.3	8.58	278.3	8.13	263.5	7.44
	113	24.4	321.2	10.19	307.2	10.04	294.9	9.11	288.3	8.55	278.3	8.07	263.5	7.38
		30.5	321.2	10.08	307.2	9.86	294.9	8.94	288.3	8.49	278.3	8.01	263.5	7.33
		60.9	321.2	9.63	307.2	9.17	294.9	8.25	288.3	8.25	278.3	7.80	263.5	7.11
		76.1	321.2	9.63	307.2	8.94	294.9	8.49	288.3	7.80	278.3	7.33	263.5	6.64
		91.4	321.2	9.63	307.2	8.82	294.9	8.61	288.3	7.57	278.3	7.09	263.5	6.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	24.4	108.5	14.59	107.8	13.75	107.3	12.62	106.4	12.09	105.4	11.55	103.4	10.51
		30.5	112.3	14.84	111.5	14.01	111.0	12.90	110.0	12.35	109.0	11.81	107.0	10.74
		60.9	127.1	15.84	126.3	15.05	125.6	13.99	124.3	13.39	123.3	12.83	121.3	11.66
		76.1	140.4	16.86	139.4	16.10	138.6	15.08	137.4	14.46	136.4	13.82	133.9	12.56
		91.4	147.1	17.37	146.0	16.62	145.2	15.63	144.0	15.00	143.0	14.32	140.2	13.02
	32	24.4	194.0	19.96	189.7	19.37	185.8	18.48	182.5	17.70	179.3	16.95	173.0	15.39
		30.5	195.2	20.01	190.9	19.42	186.9	18.54	183.6	17.76	180.3	17.00	174.1	15.43
		60.9	199.7	20.20	195.4	19.61	191.1	18.75	187.9	17.97	184.6	17.19	178.1	15.62
		76.1	202.7	20.20	198.4	19.61	194.1	18.75	190.6	17.97	187.4	17.19	180.8	15.62
		91.4	204.2	20.20	199.9	19.61	195.7	18.75	192.0	17.97	188.8	17.19	182.2	15.62
	41	24.4	286.3	21.45	276.8	20.93	269.7	20.12	264.2	19.27	251.7	18.44	240.1	16.77
		30.5	287.3	21.55	277.3	21.03	269.7	20.22	264.2	19.37	251.7	18.54	240.1	16.86
		60.9	291.3	21.93	279.3	21.41	270.0	20.63	264.2	19.77	251.7	18.92	240.1	17.19
		76.1	293.1	22.07	280.0	21.55	270.0	20.77	264.2	19.91	251.7	19.04	240.1	17.31
		91.4	294.0	22.14	280.4	21.62	270.0	20.84	264.2	19.99	251.7	19.10	240.1	17.37
	50	24.4	287.9	19.18	277.7	18.76	270.0	18.18	264.2	17.57	251.7	16.70	240.1	15.27
		30.5	288.6	19.27	278.0	18.82	270.0	18.23	264.2	17.59	251.7	16.71	240.1	15.29
		60.9	291.3	19.63	279.5	19.06	270.0	18.44	264.2	17.69	251.7	16.78	240.1	15.36
		76.1	293.4	19.56	280.8	19.06	270.0	18.40	264.2	17.64	251.7	16.74	240.1	15.29
		91.4	294.4	19.52	281.4	19.06	270.0	18.37	264.2	17.61	251.7	16.71	240.1	15.26
	59	24.4	289.5	16.91	278.9	16.63	270.0	16.26	264.2	15.87	251.7	14.94	240.1	13.81
		30.5	289.8	17.00	279.0	16.64	270.0	16.26	264.2	15.81	251.7	14.89	240.1	13.75
		60.9	291.3	17.33	279.8	16.69	270.0	16.26	264.2	15.58	251.7	14.67	240.1	13.51
		76.1	293.9	17.05	281.3	16.55	270.0	16.05	264.2	15.36	251.7	14.44	240.1	13.30
		91.4	295.1	16.90	282.1	16.48	270.0	15.94	264.2	15.25	251.7	14.32	240.1	13.19
	68	24.4	291.0	14.47	280.4	14.09	270.0	13.75	264.2	13.57	251.7	12.67	240.1	12.04
		30.5	292.1	14.53	280.5	14.11	270.0	13.75	264.2	13.51	251.7	12.61	240.1	11.92
		60.9	296.4	14.79	281.3	14.15	270.0	13.75	264.2	13.30	251.7	12.38	240.1	11.45
		76.1	298.1	14.53	283.8	14.03	270.0	13.51	264.2	13.06	251.7	12.14	240.1	11.24
		91.4	299.0	14.40	285.1	13.97	270.0	13.39	264.2	12.94	251.7	12.02	240.1	11.13
	77	24.4	294.5	12.65	284.8	12.25	270.0	11.75	264.2	11.30	251.7	10.61	240.1	9.63
		30.5	295.6	12.66	284.8	12.19	270.0	11.69	264.2	11.24	251.7	10.55	240.1	9.63
		60.9	299.9	12.71	284.8	11.92	270.0	11.45	264.2	11.00	251.7	10.31	240.1	9.63
		76.1	301.4	12.42	284.8	11.83	270.0	11.24	264.2	10.76	251.7	10.31	240.1	9.39
		91.4	302.2	12.28	284.8	11.78	270.0	11.13	264.2	10.64	251.7	10.31	240.1	9.27
	86	24.4	301.4	11.50	284.8	10.61	270.0	9.89	264.2	9.68	251.7	8.94	240.1	8.55
		30.5	301.4	11.45	284.8	10.55	270.0	9.86	264.2	9.63	251.7	8.94	240.1	8.49
		60.9	301.4	11.24	284.8	10.31	270.0	9.77	264.2	9.39	251.7	8.94	240.1	8.25
		76.1	301.4	11.00	284.8	10.31	270.0	9.63	264.2	9.39	251.7	8.70	240.1	8.25
		91.4	301.4	10.88	284.8	10.31	270.0	9.55	264.2	9.39	251.7	8.58	240.1	8.25
	95	24.4	301.4	10.67	284.8	9.74	270.0	8.72	264.2	8.55	251.7	8.07	240.1	7.38
		30.5	301.4	10.55	284.8	9.63	270.0	8.70	264.2	8.49	251.7	8.01	240.1	7.33
		60.9	301.4	10.08	284.8	9.17	270.0	8.61	264.2	8.25	251.7	7.80	240.1	7.11
		76.1	301.4	10.08	284.8	9.17	270.0	8.49	264.2	8.25	251.7	7.80	240.1	7.11
		91.4	301.4	10.08	284.8	9.17	270.0	8.43	264.2	8.25	251.7	7.80	240.1	7.11
	104	24.4	301.4	9.98	284.8	9.05	270.0	7.82	264.2	7.62	251.7	7.17	240.1	6.69
		30.5	301.4	9.86	284.8	8.94	270.0	7.80	264.2	7.56	251.7	7.11	240.1	6.64
		60.9	301.4	9.39	284.8	8.49	270.0	7.70	264.2	7.33	251.7	6.88	240.1	6.42
		76.1	301.4	9.17	284.8	8.49	270.0	7.56	264.2	7.33	251.7	6.88	240.1	6.42
		91.4	301.4	9.07	284.8	8.49	270.0	7.49	264.2	7.33	251.7	6.88	240.1	6.42
	113	24.4	301.4	9.29	284.8	8.36	270.0	6.90	264.2	6.69	251.7	6.25	240.1	6.00
		30.5	301.4	9.17	284.8	8.25	270.0	6.88	264.2	6.64	251.7	6.19	240.1	5.95
		60.9	301.4	8.70	284.8	7.80	270.0	6.78	264.2	6.42	251.7	5.95	240.1	5.74
		76.1	301.4	8.25	284.8	7.80	270.0	6.64	264.2	6.42	251.7	5.95	240.1	5.74
		91.4	301.4	8.02	284.8	7.80	270.0	6.57	264.2	6.42	251.7	5.95	240.1	5.74

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	24.4	102.4	13.54	99.3	12.33	96.4	10.83	95.7	10.32	94.9	9.95	93.3	8.93
		30.5	106.0	13.77	102.7	12.56	99.7	11.07	99.0	10.55	98.2	10.17	96.4	9.13
		60.9	120.1	14.70	116.3	13.49	112.8	12.02	112.0	11.45	111.3	11.05	109.0	9.91
		76.1	132.6	15.62	128.3	14.44	124.6	12.97	123.6	12.35	122.8	11.90	120.6	10.69
		91.4	138.9	16.09	134.4	14.92	130.5	13.45	129.4	12.81	128.6	12.33	126.4	11.09
	32	24.4	183.3	18.44	174.8	17.31	166.8	15.89	164.3	15.15	161.6	14.59	155.5	13.10
		30.5	184.4	18.49	175.8	17.35	167.8	15.93	165.3	15.20	162.5	14.63	156.5	13.13
		60.9	188.6	18.68	179.8	17.54	171.8	16.10	169.0	15.36	166.3	14.79	160.2	13.28
		76.1	191.4	18.68	182.6	17.54	174.6	16.10	171.5	15.36	169.0	14.79	162.8	13.28
		91.4	192.8	18.68	184.0	17.54	176.0	16.10	172.8	15.36	170.4	14.79	164.0	13.28
	41	24.4	258.9	19.80	250.6	18.69	242.6	17.29	237.6	16.49	227.1	15.87	216.3	14.25
		30.5	259.2	19.89	250.4	18.78	242.6	17.38	237.6	16.57	227.1	15.95	216.3	14.32
		60.9	260.2	20.25	249.7	19.13	242.6	17.71	237.6	16.90	227.1	16.29	216.3	14.60
		76.1	261.7	20.36	250.4	19.25	242.6	17.85	237.6	17.02	227.1	16.41	216.3	14.72
		91.4	262.5	20.42	250.8	19.31	242.6	17.92	237.6	17.08	227.1	16.46	216.3	14.78
	50	24.4	260.3	17.48	251.5	16.62	242.6	15.65	237.6	15.01	227.1	14.40	216.3	12.98
		30.5	260.2	17.50	251.2	16.64	242.6	15.67	237.6	15.03	227.1	14.39	216.3	12.99
		60.9	259.7	17.54	249.9	16.71	242.6	15.74	237.6	15.10	227.1	14.34	216.3	13.04
		76.1	261.5	17.50	250.7	16.67	242.6	15.69	237.6	15.05	227.1	14.39	216.3	13.09
		91.4	262.3	17.47	251.0	16.64	242.6	15.67	237.6	15.03	227.1	14.41	216.3	13.11
	59	24.4	261.7	15.14	252.4	14.59	242.6	14.05	237.6	13.57	227.1	12.94	216.3	11.75
		30.5	261.2	15.08	251.9	14.53	242.6	13.99	237.6	13.51	227.1	12.83	216.3	11.69
		60.9	259.5	14.84	250.2	14.30	242.6	13.75	237.6	13.30	227.1	12.38	216.3	11.45
		76.1	261.2	14.63	250.9	14.08	242.6	13.51	237.6	13.06	227.1	12.38	216.3	11.45
		91.4	262.1	14.52	251.3	13.97	242.6	13.39	237.6	12.94	227.1	12.38	216.3	11.45
	68	24.4	263.2	12.78	253.4	12.41	242.6	11.98	237.6	11.50	227.1	11.11	216.3	10.43
		30.5	263.0	12.78	252.9	12.38	242.6	11.92	237.6	11.45	227.1	11.00	216.3	10.31
		60.9	262.0	12.78	250.9	12.23	242.6	11.69	237.6	11.24	227.1	10.55	216.3	9.86
		76.1	262.7	12.56	251.7	12.14	242.6	11.69	237.6	11.24	227.1	10.55	216.3	9.86
		91.4	263.1	12.46	252.0	12.09	242.6	11.69	237.6	11.24	227.1	10.55	216.3	9.86
	77	24.4	267.6	11.17	256.7	10.57	242.6	10.13	237.6	9.63	227.1	9.23	216.3	8.55
		30.5	268.2	11.14	256.7	10.55	242.6	10.08	237.6	9.63	227.1	9.17	216.3	8.49
		60.9	270.8	11.05	256.7	10.45	242.6	9.86	237.6	9.63	227.1	8.94	216.3	8.25
		76.1	271.8	10.76	256.7	10.22	242.6	9.86	237.6	9.39	227.1	8.94	216.3	8.25
		91.4	272.3	10.62	256.7	10.10	242.6	9.86	237.6	9.27	227.1	8.94	216.3	8.25
	86	24.4	271.8	10.13	256.7	9.44	242.6	8.75	237.6	8.55	227.1	8.07	216.3	7.33
		30.5	271.8	10.08	256.7	9.39	242.6	8.70	237.6	8.49	227.1	8.01	216.3	7.33
		60.9	271.8	9.86	256.7	9.17	242.6	8.49	237.6	8.25	227.1	7.80	216.3	7.33
		76.1	271.8	9.63	256.7	8.94	242.6	8.49	237.6	8.25	227.1	7.80	216.3	7.11
		91.4	271.8	9.51	256.7	8.82	242.6	8.49	237.6	8.25	227.1	7.80	216.3	7.00
	95	24.4	271.8	9.23	256.7	8.55	242.6	7.86	237.6	7.62	227.1	7.17	216.3	6.69
		30.5	271.8	9.17	256.7	8.49	242.6	7.80	237.6	7.56	227.1	7.11	216.3	6.64
		60.9	271.8	8.94	256.7	8.25	242.6	7.56	237.6	7.33	227.1	6.88	216.3	6.42
		76.1	271.8	8.70	256.7	8.01	242.6	7.33	237.6	7.11	227.1	6.88	216.3	6.42
		91.4	271.8	8.58	256.7	7.89	242.6	7.21	237.6	7.00	227.1	6.88	216.3	6.42
	104	24.4	271.8	8.61	256.7	7.86	242.6	6.93	237.6	6.69	227.1	6.48	216.3	6.00
		30.5	271.8	8.49	256.7	7.80	242.6	6.88	237.6	6.64	227.1	6.42	216.3	5.95
		60.9	271.8	8.01	256.7	7.56	242.6	6.64	237.6	6.42	227.1	6.19	216.3	5.74
		76.1	271.8	8.01	256.7	7.56	242.6	6.64	237.6	6.42	227.1	6.19	216.3	5.74
		91.4	271.8	8.01	256.7	7.56	242.6	6.64	237.6	6.42	227.1	6.19	216.3	5.74
	113	24.4	271.8	7.97	256.7	7.17	242.6	6.00	237.6	5.80	227.1	5.80	216.3	5.32
		30.5	271.8	7.80	256.7	7.11	242.6	5.95	237.6	5.74	227.1	5.74	216.3	5.26
		60.9	271.8	7.11	256.7	6.88	242.6	5.74	237.6	5.50	227.1	5.50	216.3	5.05
		76.1	271.8	7.33	256.7	7.11	242.6	5.95	237.6	5.74	227.1	5.50	216.3	5.05
		91.4	271.8	7.43	256.7	7.23	242.6	6.06	237.6	5.86	227.1	5.50	216.3	5.05

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	24.4	96.9	9.65	90.8	9.28	86.0	8.89	85.0	8.59	84.5	8.19	82.8	7.54
		30.5	100.2	9.86	93.9	9.48	88.9	9.08	87.9	8.77	87.4	8.37	85.6	7.70
		60.9	113.3	10.72	106.2	10.29	100.5	9.84	99.5	9.51	99.0	9.08	96.9	8.34
		76.1	125.3	11.55	117.3	11.09	111.0	10.62	109.8	10.27	109.3	9.79	107.0	9.01
		91.4	131.4	11.96	122.9	11.50	116.3	11.01	114.9	10.65	114.4	10.15	112.1	9.34
	32	24.4	173.0	14.16	159.5	13.59	148.6	13.03	145.8	12.58	143.8	11.98	138.3	11.04
		30.5	174.1	14.20	160.5	13.63	149.4	13.06	146.7	12.61	144.7	12.02	139.1	11.07
		60.9	178.3	14.37	164.3	13.80	153.0	13.20	150.2	12.75	148.2	12.16	142.4	11.19
		76.1	180.8	14.37	166.8	13.80	155.5	13.20	152.5	12.75	150.4	12.16	144.7	11.19
		91.4	182.1	14.37	168.0	13.80	156.7	13.20	153.6	12.75	151.6	12.16	145.8	11.19
	41	24.4	239.4	15.40	225.9	14.82	215.9	14.15	211.2	13.68	202.2	13.04	192.1	12.00
		30.5	239.9	15.48	226.3	14.89	216.0	14.22	211.2	13.75	202.2	13.11	192.1	12.07
		60.9	241.9	15.81	228.1	15.17	216.3	14.53	211.2	14.03	202.2	13.37	192.1	12.33
		76.1	241.9	15.91	227.8	15.29	216.3	14.63	211.2	14.13	202.2	13.47	192.1	12.40
		91.4	241.9	15.96	227.7	15.35	216.3	14.67	211.2	14.18	202.2	13.51	192.1	12.43
	50	24.4	240.6	14.17	226.8	13.53	215.9	12.84	211.2	12.49	202.2	11.82	192.1	10.95
		30.5	240.9	14.15	227.1	13.51	216.0	12.85	211.2	12.49	202.2	11.83	192.1	10.95
		60.9	241.9	14.08	228.1	13.44	216.3	12.87	211.2	12.52	202.2	11.85	192.1	10.98
		76.1	241.9	14.03	227.8	13.49	216.3	12.92	211.2	12.45	202.2	11.78	192.1	10.91
		91.4	241.9	14.01	227.7	13.51	216.3	12.94	211.2	12.41	202.2	11.75	192.1	10.87
	59	24.4	241.9	12.94	227.8	12.25	216.3	11.50	211.2	11.30	202.2	10.61	192.1	9.92
		30.5	241.9	12.83	227.8	12.14	216.3	11.45	211.2	11.24	202.2	10.55	192.1	9.86
		60.9	241.9	12.38	227.8	11.69	216.3	11.24	211.2	11.00	202.2	10.31	192.1	9.63
		76.1	241.9	12.14	227.8	11.69	216.3	11.24	211.2	10.76	202.2	10.08	192.1	9.39
		91.4	241.9	12.02	227.8	11.69	216.3	11.24	211.2	10.64	202.2	9.96	192.1	9.27
	68	24.4	241.9	10.82	227.8	10.37	216.3	9.86	211.2	9.68	202.2	9.23	192.1	8.55
		30.5	241.9	10.76	227.8	10.31	216.3	9.86	211.2	9.63	202.2	9.17	192.1	8.49
		60.9	241.9	10.55	227.8	10.08	216.3	9.86	211.2	9.39	202.2	8.94	192.1	8.25
		76.1	241.9	10.31	227.8	9.86	216.3	9.63	211.2	9.39	202.2	8.70	192.1	8.25
		91.4	241.9	10.19	227.8	9.75	216.3	9.51	211.2	9.39	202.2	8.58	192.1	8.25
	77	24.4	241.9	9.68	227.8	9.00	216.3	8.49	211.2	8.31	202.2	7.86	192.1	7.38
		30.5	241.9	9.63	227.8	8.94	216.3	8.49	211.2	8.25	202.2	7.80	192.1	7.33
		60.9	241.9	9.39	227.8	8.70	216.3	8.49	211.2	8.01	202.2	7.56	192.1	7.11
		76.1	241.9	9.17	227.8	8.70	216.3	8.25	211.2	8.01	202.2	7.56	192.1	7.11
		91.4	241.9	9.07	227.8	8.70	216.3	8.13	211.2	8.01	202.2	7.56	192.1	7.11
	86	24.4	241.9	8.55	227.8	8.07	216.3	7.62	211.2	7.38	202.2	6.93	192.1	6.48
		30.5	241.9	8.49	227.8	8.01	216.3	7.56	211.2	7.33	202.2	6.88	192.1	6.42
		60.9	241.9	8.25	227.8	7.80	216.3	7.33	211.2	7.11	202.2	6.64	192.1	6.19
		76.1	241.9	8.25	227.8	7.80	216.3	7.33	211.2	7.11	202.2	6.64	192.1	6.19
		91.4	241.9	8.25	227.8	7.80	216.3	7.33	211.2	7.11	202.2	6.64	192.1	6.19
	95	24.4	241.9	7.86	227.8	7.38	216.3	6.69	211.2	6.42	202.2	6.25	192.1	5.74
		30.5	241.9	7.80	227.8	7.33	216.3	6.64	211.2	6.42	202.2	6.19	192.1	5.74
		60.9	241.9	7.56	227.8	7.11	216.3	6.42	211.2	6.42	202.2	5.95	192.1	5.74
		76.1	241.9	7.56	227.8	6.88	216.3	6.42	211.2	6.19	202.2	5.95	192.1	5.50
		91.4	241.9	7.56	227.8	6.76	216.3	6.42	211.2	6.07	202.2	5.95	192.1	5.38
	104	24.4	241.9	7.44	227.8	6.69	216.3	5.95	211.2	6.00	202.2	5.50	192.1	5.32
		30.5	241.9	7.33	227.8	6.64	216.3	5.95	211.2	5.95	202.2	5.50	192.1	5.26
		60.9	241.9	6.88	227.8	6.42	216.3	5.95	211.2	5.74	202.2	5.50	192.1	5.05
		76.1	241.9	6.88	227.8	6.42	216.3	5.74	211.2	5.74	202.2	5.50	192.1	5.05
		91.4	241.9	6.88	227.8	6.42	216.3	5.63	211.2	5.74	202.2	5.50	192.1	5.05
	113	24.4	241.9	7.05	227.8	6.00	216.3	5.20	211.2	5.61	202.2	4.75	192.1	4.93
		30.5	241.9	6.88	227.8	5.95	216.3	5.26	211.2	5.50	202.2	4.81	192.1	4.81
		60.9	241.9	6.19	227.8	5.74	216.3	5.50	211.2	5.05	202.2	5.05	192.1	4.36
		76.1	241.9	6.19	227.8	5.95	216.3	5.05	211.2	5.26	202.2	5.05	192.1	4.58
		91.4	241.9	6.19	227.8	6.06	216.3	4.82	211.2	5.37	202.2	5.05	192.1	4.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	24.4	84.5	8.28	79.4	7.89	75.1	7.63	74.3	7.19	73.8	6.94	72.6	6.31
		30.5	87.4	8.46	82.1	8.06	77.6	7.80	76.9	7.35	76.4	7.09	75.1	6.45
		60.9	99.0	9.17	92.9	8.75	87.7	8.46	86.9	7.97	86.4	7.68	84.9	6.99
		76.1	109.5	9.91	102.7	9.44	96.9	9.13	96.2	8.58	95.4	8.30	93.7	7.54
		91.4	114.8	10.28	107.7	9.78	101.6	9.46	100.9	8.89	100.0	8.61	98.1	7.81
	32	24.4	151.3	12.13	139.8	11.56	129.8	11.18	127.6	10.52	125.6	10.16	121.1	9.25
		30.5	152.2	12.16	140.7	11.59	130.6	11.21	128.3	10.55	126.3	10.19	121.8	9.27
		60.9	155.7	12.30	143.9	11.71	133.6	11.36	131.4	10.67	129.3	10.31	124.6	9.36
		76.1	158.0	12.30	146.2	11.71	135.6	11.36	133.4	10.67	131.4	10.31	126.6	9.36
		91.4	159.1	12.30	147.3	11.71	136.6	11.36	134.4	10.67	132.4	10.31	127.6	9.36
	41	24.4	209.0	13.21	198.0	12.57	188.6	12.17	184.6	11.47	176.3	11.06	168.0	10.05
		30.5	209.5	13.28	198.4	12.64	188.6	12.23	184.6	11.52	176.3	11.12	168.0	10.10
		60.9	211.2	13.54	199.9	12.90	188.9	12.49	184.6	11.73	176.3	11.36	168.0	10.31
		76.1	211.2	13.63	199.7	12.99	188.9	12.59	184.6	11.83	176.3	11.43	168.0	10.38
		91.4	211.2	13.68	199.5	13.04	188.9	12.64	184.6	11.88	176.3	11.46	168.0	10.42
	50	24.4	210.0	12.16	198.7	11.50	188.9	11.07	184.6	10.45	176.3	10.03	168.0	9.17
		30.5	210.2	12.14	198.9	11.47	188.9	11.05	184.6	10.45	176.3	10.03	168.0	9.17
		60.9	211.2	12.04	199.7	11.38	188.9	10.95	184.6	10.45	176.3	10.03	168.0	9.17
		76.1	211.2	12.09	199.7	11.43	188.9	11.00	184.6	10.50	176.3	9.96	168.0	9.20
		91.4	211.2	12.11	199.7	11.45	188.9	11.02	184.6	10.53	176.3	9.92	168.0	9.21
	59	24.4	211.2	11.11	199.7	10.43	188.9	9.98	184.6	9.44	176.3	9.00	168.0	8.31
		30.5	211.2	11.00	199.7	10.31	188.9	9.86	184.6	9.39	176.3	8.94	168.0	8.25
		60.9	211.2	10.55	199.7	9.86	188.9	9.39	184.6	9.17	176.3	8.70	168.0	8.01
		76.1	211.2	10.55	199.7	9.86	188.9	9.39	184.6	9.17	176.3	8.49	168.0	8.01
		91.4	211.2	10.55	199.7	9.86	188.9	9.39	184.6	9.17	176.3	8.38	168.0	8.01
	68	24.4	211.2	9.23	199.7	8.75	188.9	8.55	184.6	8.31	176.3	7.86	168.0	7.38
		30.5	211.2	9.17	199.7	8.70	188.9	8.49	184.6	8.25	176.3	7.80	168.0	7.33
		60.9	211.2	8.94	199.7	8.49	188.9	8.25	184.6	8.01	176.3	7.56	168.0	7.11
		76.1	211.2	8.94	199.7	8.49	188.9	8.25	184.6	7.80	176.3	7.56	168.0	6.88
		91.4	211.2	8.94	199.7	8.49	188.9	8.25	184.6	7.69	176.3	7.56	168.0	6.76
	77	24.4	211.2	8.31	199.7	7.86	188.9	7.38	184.6	7.17	176.3	6.64	168.0	6.19
		30.5	211.2	8.25	199.7	7.80	188.9	7.33	184.6	7.11	176.3	6.64	168.0	6.19
		60.9	211.2	8.01	199.7	7.56	188.9	7.11	184.6	6.88	176.3	6.64	168.0	6.19
		76.1	211.2	7.80	199.7	7.33	188.9	7.11	184.6	6.88	176.3	6.42	168.0	6.19
		91.4	211.2	7.69	199.7	7.21	188.9	7.11	184.6	6.88	176.3	6.32	168.0	6.19
	86	24.4	211.2	7.38	199.7	6.93	188.9	6.48	184.6	6.19	176.3	6.00	168.0	5.50
		30.5	211.2	7.33	199.7	6.88	188.9	6.42	184.6	6.19	176.3	5.95	168.0	5.50
		60.9	211.2	7.11	199.7	6.64	188.9	6.19	184.6	6.19	176.3	5.74	168.0	5.50
		76.1	211.2	7.11	199.7	6.64	188.9	6.19	184.6	5.95	176.3	5.74	168.0	5.50
		91.4	211.2	7.11	199.7	6.64	188.9	6.19	184.6	5.83	176.3	5.74	168.0	5.50
	95	24.4	211.2	6.69	199.7	6.25	188.9	5.74	184.6	5.80	176.3	5.26	168.0	5.11
		30.5	211.2	6.64	199.7	6.19	188.9	5.74	184.6	5.74	176.3	5.26	168.0	5.05
		60.9	211.2	6.42	199.7	5.95	188.9	5.74	184.6	5.50	176.3	5.26	168.0	4.81
		76.1	211.2	6.42	199.7	5.95	188.9	5.50	184.6	5.50	176.3	5.26	168.0	4.81
		91.4	211.2	6.42	199.7	5.95	188.9	5.38	184.6	5.50	176.3	5.26	168.0	4.81
	104	24.4	211.2	6.25	199.7	5.80	188.9	5.32	184.6	5.05	176.3	4.81	168.0	4.63
		30.5	211.2	6.19	199.7	5.74	188.9	5.26	184.6	5.05	176.3	4.81	168.0	4.58
		60.9	211.2	5.95	199.7	5.50	188.9	5.05	184.6	5.05	176.3	4.81	168.0	4.36
		76.1	211.2	5.95	199.7	5.50	188.9	5.05	184.6	4.81	176.3	4.58	168.0	4.36
		91.4	211.2	5.95	199.7	5.50	188.9	5.05	184.6	4.69	176.3	4.46	168.0	4.36
	113	24.4	211.2	5.80	199.7	5.32	188.9	4.93	184.6	4.31	176.3	4.36	168.0	4.18
		30.5	211.2	5.74	199.7	5.26	188.9	4.81	184.6	4.36	176.3	4.36	168.0	4.13
		60.9	211.2	5.50	199.7	5.05	188.9	4.36	184.6	4.58	176.3	4.36	168.0	3.89
		76.1	211.2	5.50	199.7	5.05	188.9	4.58	184.6	4.13	176.3	3.89	168.0	3.89
		91.4	211.2	5.50	199.7	5.05	188.9	4.68	184.6	3.90	176.3	3.65	168.0	3.89

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	24.4	72.6	6.73	68.0	6.47	64.3	6.22	63.6	5.78	63.3	5.68	62.1	5.08
		30.5	75.1	6.88	70.3	6.61	66.6	6.35	65.8	5.90	65.6	5.81	64.3	5.19
		60.9	85.1	7.47	79.6	7.18	75.3	6.90	74.6	6.40	74.3	6.31	72.8	5.64
		76.1	93.9	8.04	87.9	7.75	83.4	7.44	82.4	6.92	82.1	6.80	80.4	6.07
		91.4	98.4	8.32	92.1	8.04	87.4	7.72	86.3	7.19	86.1	7.05	84.2	6.28
	32	24.4	129.8	9.86	119.6	9.51	111.6	9.10	109.4	8.46	107.9	8.34	103.9	7.45
		30.5	130.6	9.89	120.3	9.53	112.3	9.13	110.0	8.49	108.5	8.37	104.5	7.47
		60.9	133.6	10.00	123.1	9.63	115.0	9.25	112.5	8.58	111.0	8.46	106.7	7.54
		76.1	135.6	10.00	125.1	9.63	116.8	9.25	114.3	8.58	112.8	8.46	108.5	7.54
		91.4	136.6	10.00	126.1	9.63	117.7	9.25	115.2	8.58	113.7	8.46	109.4	7.54
	41	24.4	179.5	10.73	169.2	10.33	162.3	9.90	158.2	9.22	151.5	9.08	144.2	8.09
		30.5	179.8	10.79	169.5	10.38	162.3	9.96	158.2	9.27	151.5	9.13	144.2	8.13
		60.9	181.3	11.00	170.8	10.60	162.3	10.17	158.2	9.46	151.5	9.32	144.2	8.30
		76.1	181.3	11.09	170.5	10.67	162.3	10.24	158.2	9.53	151.5	9.36	144.2	8.37
		91.4	181.3	11.14	170.4	10.70	162.3	10.28	158.2	9.57	151.5	9.39	144.2	8.40
	50	24.4	180.4	9.86	169.8	9.44	162.3	8.98	158.2	8.39	151.5	8.23	144.2	7.38
		30.5	180.6	9.86	170.0	9.44	162.3	8.98	158.2	8.42	151.5	8.23	144.2	7.40
		60.9	181.3	9.86	170.8	9.44	162.3	8.98	158.2	8.51	151.5	8.20	144.2	7.47
		76.1	181.3	9.89	170.5	9.34	162.3	8.89	158.2	8.42	151.5	8.13	144.2	7.40
		91.4	181.3	9.90	170.4	9.29	162.3	8.84	158.2	8.37	151.5	8.10	144.2	7.36
	59	24.4	181.3	9.00	170.5	8.55	162.3	8.07	158.2	7.56	151.5	7.38	144.2	6.64
		30.5	181.3	8.94	170.5	8.49	162.3	8.01	158.2	7.56	151.5	7.33	144.2	6.64
		60.9	181.3	8.70	170.5	8.25	162.3	7.80	158.2	7.56	151.5	7.11	144.2	6.64
		76.1	181.3	8.70	170.5	8.01	162.3	7.56	158.2	7.33	151.5	6.88	144.2	6.42
		91.4	181.3	8.70	170.5	7.89	162.3	7.44	158.2	7.21	151.5	6.76	144.2	6.32
	68	24.4	181.3	7.86	170.5	7.38	162.3	6.93	158.2	6.69	151.5	6.48	144.2	6.00
		30.5	181.3	7.80	170.5	7.33	162.3	6.88	158.2	6.64	151.5	6.42	144.2	5.95
		60.9	181.3	7.56	170.5	7.11	162.3	6.64	158.2	6.42	151.5	6.19	144.2	5.74
		76.1	181.3	7.56	170.5	7.11	162.3	6.64	158.2	6.42	151.5	6.19	144.2	5.74
		91.4	181.3	7.56	170.5	7.11	162.3	6.64	158.2	6.42	151.5	6.19	144.2	5.74
	77	24.4	181.3	6.93	170.5	6.48	162.3	5.95	158.2	6.00	151.5	5.50	144.2	5.32
		30.5	181.3	6.88	170.5	6.42	162.3	5.95	158.2	5.95	151.5	5.50	144.2	5.26
		60.9	181.3	6.64	170.5	6.19	162.3	5.95	158.2	5.74	151.5	5.50	144.2	5.05
		76.1	181.3	6.64	170.5	6.19	162.3	5.74	158.2	5.74	151.5	5.50	144.2	5.05
		91.4	181.3	6.64	170.5	6.19	162.3	5.63	158.2	5.74	151.5	5.50	144.2	5.05
	86	24.4	181.3	6.25	170.5	5.80	162.3	5.56	158.2	5.32	151.5	5.11	144.2	4.87
		30.5	181.3	6.19	170.5	5.74	162.3	5.50	158.2	5.26	151.5	5.05	144.2	4.81
		60.9	181.3	5.95	170.5	5.50	162.3	5.26	158.2	5.05	151.5	4.81	144.2	4.58
		76.1	181.3	5.95	170.5	5.50	162.3	5.26	158.2	5.05	151.5	4.81	144.2	4.58
		91.4	181.3	5.95	170.5	5.50	162.3	5.26	158.2	5.05	151.5	4.81	144.2	4.58
	95	24.4	181.3	5.50	170.5	5.32	162.3	4.81	158.2	4.87	151.5	4.63	144.2	4.42
		30.5	181.3	5.50	170.5	5.26	162.3	4.81	158.2	4.81	151.5	4.58	144.2	4.36
		60.9	181.3	5.50	170.5	5.05	162.3	4.81	158.2	4.58	151.5	4.36	144.2	4.13
		76.1	181.3	5.50	170.5	5.05	162.3	4.58	158.2	4.58	151.5	4.36	144.2	4.13
		91.4	181.3	5.50	170.5	5.05	162.3	4.46	158.2	4.58	151.5	4.36	144.2	4.13
	104	24.4	181.3	5.05	170.5	4.87	162.3	4.36	158.2	4.42	151.5	4.18	144.2	3.89
		30.5	181.3	5.05	170.5	4.81	162.3	4.36	158.2	4.36	151.5	4.13	144.2	3.89
		60.9	181.3	5.05	170.5	4.58	162.3	4.36	158.2	4.13	151.5	3.89	144.2	3.89
		76.1	181.3	5.05	170.5	4.58	162.3	4.36	158.2	4.13	151.5	3.89	144.2	3.89
		91.4	181.3	5.05	170.5	4.58	162.3	4.36	158.2	4.13	151.5	3.89	144.2	3.89
	113	24.4	181.3	4.58	170.5	4.42	162.3	3.89	158.2	3.94	151.5	3.73	144.2	3.38
		30.5	181.3	4.58	170.5	4.36	162.3	3.89	158.2	3.89	151.5	3.67	144.2	3.44
		60.9	181.3	4.58	170.5	4.13	162.3	3.89	158.2	3.67	151.5	3.44	144.2	3.67
		76.1	181.3	4.58	170.5	4.13	162.3	4.13	158.2	3.67	151.5	3.44	144.2	3.67
		91.4	181.3	4.58	170.5	4.13	162.3	4.24	158.2	3.67	151.5	3.44	144.2	3.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN240DAS4, ARWB240DAS4

240,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	24.4	60.5	5.36	56.9	5.08	53.7	4.81	52.9	4.54	52.7	4.27	51.7	4.04
		30.5	62.5	5.48	58.8	5.19	55.5	4.91	54.8	4.65	54.5	4.36	53.5	4.13
		60.9	70.6	5.93	66.3	5.64	62.8	5.31	62.0	5.05	61.8	4.74	60.5	4.46
		76.1	78.1	6.40	73.3	6.07	69.3	5.74	68.6	5.45	68.1	5.10	67.1	4.81
		91.4	81.9	6.64	76.9	6.28	72.6	5.95	71.9	5.66	71.2	5.28	70.4	4.99
	32	24.4	107.9	7.85	99.9	7.45	92.9	7.02	90.9	6.66	89.6	6.26	86.4	5.91
		30.5	108.5	7.87	100.5	7.47	93.4	7.04	91.4	6.69	90.2	6.28	86.9	5.93
		60.9	111.0	7.94	102.7	7.54	95.7	7.14	93.7	6.78	92.4	6.35	88.9	6.00
		76.1	112.8	7.94	104.2	7.54	96.9	7.14	95.2	6.78	93.7	6.35	90.4	6.00
		91.4	113.7	7.94	105.0	7.54	97.6	7.14	96.0	6.78	94.3	6.35	91.2	6.00
	41	24.4	149.1	8.54	141.4	8.09	134.8	7.64	131.6	7.27	125.8	6.82	120.1	6.41
		30.5	149.4	8.58	141.7	8.13	134.9	7.68	131.6	7.30	125.8	6.85	120.1	6.45
		60.9	150.7	8.75	142.7	8.30	135.1	7.85	131.6	7.44	125.8	6.97	120.1	6.59
		76.1	150.7	8.82	142.4	8.37	135.1	7.89	131.6	7.49	125.8	7.04	120.1	6.64
		91.4	150.7	8.85	142.3	8.40	135.1	7.92	131.6	7.52	125.8	7.08	120.1	6.66
	50	24.4	150.1	7.86	141.7	7.40	134.8	6.96	131.6	6.65	125.8	6.15	120.1	5.87
		30.5	150.2	7.85	141.9	7.40	134.9	6.95	131.6	6.64	125.8	6.16	120.1	5.86
		60.9	150.7	7.80	142.7	7.37	135.1	6.90	131.6	6.59	125.8	6.23	120.1	5.81
		76.1	150.7	7.85	142.4	7.40	135.1	6.92	131.6	6.61	125.8	6.14	120.1	5.83
		91.4	150.7	7.87	142.3	7.41	135.1	6.93	131.6	6.63	125.8	6.09	120.1	5.84
	59	24.4	150.7	7.17	142.4	6.69	135.1	6.25	131.6	6.00	125.8	5.50	120.1	5.32
		30.5	150.7	7.11	142.4	6.64	135.1	6.19	131.6	5.95	125.8	5.50	120.1	5.26
		60.9	150.7	6.88	142.4	6.42	135.1	5.95	131.6	5.74	125.8	5.50	120.1	5.05
		76.1	150.7	6.88	142.4	6.42	135.1	5.95	131.6	5.74	125.8	5.26	120.1	5.05
		91.4	150.7	6.88	142.4	6.42	135.1	5.95	131.6	5.74	125.8	5.14	120.1	5.05
	68	24.4	150.7	6.25	142.4	5.80	135.1	5.56	131.6	5.32	125.8	5.11	120.1	4.58
		30.5	150.7	6.19	142.4	5.74	135.1	5.50	131.6	5.26	125.8	5.05	120.1	4.58
		60.9	150.7	5.95	142.4	5.50	135.1	5.26	131.6	5.05	125.8	4.81	120.1	4.58
		76.1	150.7	5.95	142.4	5.50	135.1	5.26	131.6	5.05	125.8	4.81	120.1	4.58
		91.4	150.7	5.95	142.4	5.50	135.1	5.26	131.6	5.05	125.8	4.81	120.1	4.58
	77	24.4	150.7	5.56	142.4	5.05	135.1	4.87	131.6	4.58	125.8	4.36	120.1	4.13
		30.5	150.7	5.50	142.4	5.05	135.1	4.81	131.6	4.58	125.8	4.36	120.1	4.13
		60.9	150.7	5.26	142.4	5.05	135.1	4.58	131.6	4.58	125.8	4.36	120.1	4.13
		76.1	150.7	5.26	142.4	5.05	135.1	4.58	131.6	4.58	125.8	4.36	120.1	4.13
		91.4	150.7	5.26	142.4	5.05	135.1	4.58	131.6	4.58	125.8	4.36	120.1	4.13
	86	24.4	150.7	5.11	142.4	4.63	135.1	4.42	131.6	4.13	125.8	4.18	120.1	3.94
		30.5	150.7	5.05	142.4	4.58	135.1	4.36	131.6	4.13	125.8	4.13	120.1	3.89
		60.9	150.7	4.81	142.4	4.36	135.1	4.13	131.6	4.13	125.8	3.89	120.1	3.67
		76.1	150.7	4.81	142.4	4.36	135.1	4.13	131.6	4.13	125.8	3.89	120.1	3.67
		91.4	150.7	4.81	142.4	4.36	135.1	4.13	131.6	4.13	125.8	3.89	120.1	3.67
	95	24.4	150.7	4.63	142.4	4.13	135.1	3.89	131.6	3.94	125.8	3.67	120.1	3.44
		30.5	150.7	4.58	142.4	4.13	135.1	3.89	131.6	3.89	125.8	3.67	120.1	3.44
		60.9	150.7	4.36	142.4	4.13	135.1	3.89	131.6	3.67	125.8	3.67	120.1	3.44
		76.1	150.7	4.36	142.4	4.13	135.1	3.89	131.6	3.67	125.8	3.67	120.1	3.44
		91.4	150.7	4.36	142.4	4.13	135.1	3.89	131.6	3.67	125.8	3.67	120.1	3.44
	104	24.4	150.7	4.18	142.4	3.94	135.1	3.73	131.6	3.44	125.8	3.50	120.1	3.20
		30.5	150.7	4.13	142.4	3.89	135.1	3.67	131.6	3.44	125.8	3.44	120.1	3.20
		60.9	150.7	3.89	142.4	3.67	135.1	3.44	131.6	3.44	125.8	3.20	120.1	3.20
		76.1	150.7	3.89	142.4	3.67	135.1	3.44	131.6	3.44	125.8	3.20	120.1	3.20
		91.4	150.7	3.89	142.4	3.67	135.1	3.44	131.6	3.44	125.8	3.20	120.1	3.20
	113	24.4	150.7	3.73	142.4	3.79	135.1	3.55	131.6	2.93	125.8	3.31	120.1	2.99
		30.5	150.7	3.67	142.4	3.67	135.1	3.44	131.6	2.99	125.8	3.20	120.1	2.99
		60.9	150.7	3.44	142.4	3.20	135.1	2.99	131.6	3.20	125.8	2.75	120.1	2.99
		76.1	150.7	3.44	142.4	3.20	135.1	2.99	131.6	3.20	125.8	2.75	120.1	2.99
		91.4	150.7	3.44	142.4	3.20	135.1	2.99	131.6	3.20	125.8	2.75	120.1	2.99

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	30.4	153.3	17.74	152.2	16.70	151.2	15.55	149.2	15.09	150.9	14.70	146.8	13.18
		38.1	158.5	18.05	157.3	17.03	156.4	15.89	154.3	15.42	156.1	15.01	151.9	13.46
		76.1	179.3	19.28	177.8	18.31	176.9	17.23	174.5	16.74	176.6	16.27	172.1	14.60
		95.1	198.3	20.50	196.5	19.57	195.3	18.58	192.9	18.08	195.3	17.55	190.2	15.74
		114.2	207.9	21.12	205.9	20.20	204.6	19.25	202.2	18.76	204.7	18.20	199.3	16.32
	32	30.4	273.8	24.26	267.6	23.54	261.9	22.77	256.2	22.13	257.1	21.52	245.3	19.28
		38.1	275.5	24.33	269.1	23.60	263.4	22.84	257.7	22.20	258.6	21.58	246.8	19.33
		76.1	282.1	24.59	275.2	23.83	269.4	23.10	263.7	22.46	264.6	21.82	252.9	19.57
		95.1	286.3	24.59	279.4	23.83	273.7	23.10	267.6	22.46	268.5	21.82	256.5	19.57
		114.2	288.5	24.59	281.5	23.83	275.8	23.10	269.6	22.46	270.5	21.82	258.3	19.57
	41	30.4	394.4	26.08	388.4	25.44	380.3	24.79	370.7	24.09	360.8	23.42	340.9	20.98
		38.1	395.7	26.20	389.1	25.56	380.4	24.91	370.7	24.21	360.8	23.54	340.9	21.09
		76.1	401.2	26.67	391.8	26.02	380.7	25.41	370.7	24.71	360.8	24.01	340.9	21.53
		95.1	403.6	26.84	393.0	26.20	380.7	25.59	370.7	24.88	360.8	24.18	340.9	21.67
		114.2	404.8	26.93	393.6	26.29	380.7	25.67	370.7	24.97	360.8	24.27	340.9	21.75
	50	30.4	394.9	23.73	388.5	22.93	379.1	22.50	369.2	22.00	359.4	21.25	339.5	19.17
		38.1	397.2	23.69	390.3	22.96	380.7	22.55	370.7	21.99	360.8	21.23	340.9	19.16
		76.1	406.6	23.51	397.5	23.04	386.7	22.72	376.7	21.96	366.2	21.18	346.3	19.10
		95.1	408.7	23.83	400.3	23.37	389.1	22.81	378.6	22.05	368.6	21.53	348.4	20.01
		114.2	409.8	23.99	401.6	23.53	390.3	22.85	379.5	22.10	369.8	21.70	349.5	20.46
	59	30.4	395.5	21.39	388.5	20.47	377.6	20.26	367.7	19.92	358.0	19.07	338.1	17.38
		38.1	398.7	21.18	391.5	20.39	380.7	20.21	370.7	19.77	360.8	18.93	340.9	17.23
		76.1	411.7	20.33	403.3	20.04	392.7	20.04	382.8	19.19	371.6	18.34	351.7	16.65
		95.1	413.8	20.82	407.2	20.50	397.5	20.04	386.7	19.19	376.7	18.87	355.9	18.34
		114.2	414.9	21.07	409.2	20.74	400.0	20.04	388.7	19.19	379.3	19.13	358.1	19.20
	68	30.4	410.5	19.62	403.0	18.71	392.4	18.30	381.5	17.71	370.5	17.32	348.5	16.79
		38.1	413.8	19.48	406.3	18.69	395.4	18.28	384.6	17.79	373.7	17.44	351.7	16.65
		76.1	426.8	18.93	419.2	18.63	407.5	18.23	396.6	18.08	386.7	17.90	364.7	16.09
		95.1	428.6	18.93	422.3	18.63	412.3	18.34	400.6	18.08	389.7	17.90	367.7	17.12
		114.2	429.5	18.93	423.8	18.63	414.7	18.40	402.5	18.08	391.2	17.90	369.2	17.63
	77	30.4	433.4	18.71	422.3	18.17	412.3	17.86	404.5	17.56	395.4	17.31	372.8	16.17
		38.1	433.4	18.63	422.3	18.14	412.3	17.79	404.5	17.49	395.4	17.23	372.8	16.09
		76.1	433.4	18.34	422.3	18.02	412.3	17.49	404.5	17.23	395.4	16.94	372.8	15.80
		95.1	433.4	18.08	422.3	17.55	412.3	17.23	404.5	16.94	395.4	16.65	372.8	15.54
		114.2	433.4	17.95	422.3	17.32	412.3	17.10	404.5	16.79	395.4	16.50	372.8	15.41
	86	30.4	433.4	18.23	422.3	17.32	412.3	17.16	404.5	16.71	395.4	16.53	372.8	15.39
		38.1	433.4	18.08	422.3	17.29	412.3	17.06	404.5	16.65	395.4	16.39	372.8	15.25
		76.1	433.4	17.49	422.3	17.17	412.3	16.65	404.5	16.39	395.4	15.80	372.8	14.69
		95.1	433.4	17.23	422.3	16.71	412.3	16.39	404.5	16.09	395.4	15.80	372.8	14.69
		114.2	433.4	17.10	422.3	16.47	412.3	16.25	404.5	15.95	395.4	15.80	372.8	14.69
	95	30.4	433.4	17.38	422.3	16.80	412.3	16.46	404.5	15.87	395.4	15.32	372.8	14.25
		38.1	433.4	17.23	422.3	16.71	412.3	16.39	404.5	15.80	395.4	15.25	372.8	14.11
		76.1	433.4	16.65	422.3	16.33	412.3	16.09	404.5	15.54	395.4	14.95	372.8	13.55
		95.1	433.4	16.65	422.3	16.15	412.3	15.80	404.5	15.25	395.4	14.69	372.8	13.55
		114.2	433.4	16.65	422.3	16.06	412.3	15.65	404.5	15.10	395.4	14.56	372.8	13.55
	104	30.4	433.4	16.79	422.3	16.25	412.3	15.94	404.5	15.39	395.4	14.84	372.8	13.40
		38.1	433.4	16.65	422.3	16.15	412.3	15.80	404.5	15.25	395.4	14.69	372.8	13.26
		76.1	433.4	16.09	422.3	15.74	412.3	15.25	404.5	14.69	395.4	14.11	372.8	12.71
		95.1	433.4	15.80	422.3	15.48	412.3	15.25	404.5	14.69	395.4	14.11	372.8	12.71
		114.2	433.4	15.65	422.3	15.35	412.3	15.25	404.5	14.69	395.4	14.11	372.8	12.71
	113	30.4	433.4	16.23	422.3	15.70	412.3	15.46	404.5	14.91	395.4	14.32	372.8	12.55
		38.1	433.4	16.09	422.3	15.60	412.3	15.25	404.5	14.69	395.4	14.11	372.8	12.41
		76.1	433.4	15.54	422.3	15.19	412.3	14.40	404.5	13.84	395.4	13.26	372.8	11.86
		95.1	433.4	14.95	422.3	14.81	412.3	14.69	404.5	14.11	395.4	13.55	372.8	11.86
		114.2	433.4	14.66	422.3	14.62	412.3	14.84	404.5	14.24	395.4	13.70	372.8	11.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288DAS4, ARWB288DAS4
288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	30.4	145.7	17.74	144.5	16.70	143.6	15.55	141.9	14.89	143.0	14.46	139.3	12.94
		38.1	150.7	18.05	149.5	17.03	148.6	15.89	146.8	15.22	148.0	14.78	144.1	13.23
		76.1	170.6	19.28	169.1	18.31	168.2	17.23	166.1	16.50	167.6	16.03	163.1	14.37
		95.1	188.4	20.50	186.9	19.57	185.7	18.58	183.5	17.82	185.1	17.29	179.9	15.48
		114.2	197.3	21.12	195.8	20.20	194.5	19.25	192.4	18.48	193.9	17.92	188.4	16.04
	32	30.4	260.4	24.26	254.1	23.54	248.6	22.77	243.6	21.81	243.6	21.20	232.4	18.95
		38.1	261.9	24.33	255.6	23.60	250.2	22.84	245.0	21.88	245.0	21.26	233.9	19.01
		76.1	267.9	24.59	261.6	23.83	256.2	23.10	250.8	22.14	250.8	21.50	239.6	19.25
		95.1	272.2	24.59	265.8	23.83	260.1	23.10	254.7	22.14	254.4	21.50	243.2	19.25
		114.2	274.3	24.59	268.0	23.83	262.1	23.10	256.7	22.14	256.2	21.50	245.0	19.25
	41	30.4	375.4	26.08	369.7	25.44	361.7	24.79	352.9	23.74	341.8	23.07	323.1	20.66
		38.1	376.7	26.20	370.4	25.56	361.7	24.91	352.9	23.86	341.8	23.19	323.1	20.77
		76.1	382.2	26.67	373.1	26.02	361.7	25.41	352.9	24.36	341.8	23.66	323.1	21.18
		95.1	384.3	26.84	371.0	26.20	361.7	25.59	352.9	24.53	341.8	23.83	323.1	21.32
		114.2	385.3	26.93	370.0	26.29	361.7	25.67	352.9	24.62	341.8	23.92	323.1	21.39
	50	30.4	376.8	23.43	369.8	22.78	360.7	22.32	351.9	21.64	340.9	20.93	322.3	18.82
		38.1	378.6	23.51	371.3	22.87	361.7	22.40	352.9	21.67	341.8	20.91	323.1	18.84
		76.1	385.5	23.83	377.3	23.22	365.6	22.72	356.9	21.79	345.4	20.85	326.4	18.93
		95.1	387.6	23.75	376.1	23.22	367.1	22.81	358.4	21.88	346.9	20.94	327.9	19.57
		114.2	388.7	23.70	375.5	23.22	367.9	22.85	359.1	21.92	347.7	20.99	328.7	19.89
	59	30.4	377.9	20.78	370.2	20.17	359.6	19.85	351.0	19.55	340.0	18.77	321.3	17.01
		38.1	380.1	20.82	372.5	20.21	361.7	19.89	352.9	19.48	341.8	18.63	323.1	16.94
		76.1	388.8	21.00	381.6	20.39	369.8	20.04	360.8	19.19	348.7	18.08	330.0	16.65
		95.1	390.9	20.68	381.3	20.21	372.8	20.04	363.8	19.19	351.7	18.08	333.0	17.79
		114.2	392.0	20.52	381.1	20.12	374.3	20.04	365.3	19.19	353.2	18.08	334.6	18.36
	68	30.4	388.4	18.69	381.1	17.90	369.6	17.42	359.4	17.17	347.7	16.95	329.0	16.09
		38.1	390.9	18.69	383.4	17.96	371.6	17.49	361.7	17.23	349.9	16.94	330.9	16.03
		76.1	400.9	18.69	392.4	18.23	379.8	17.79	370.7	17.49	358.7	16.88	338.8	15.80
		95.1	402.7	18.52	392.1	18.08	382.8	17.79	372.8	17.49	360.8	16.94	340.9	16.39
		114.2	403.6	18.43	392.0	18.01	384.3	17.79	373.9	17.49	361.8	16.97	341.9	16.68
	77	30.4	407.3	17.68	395.4	16.85	382.8	16.53	374.6	16.17	364.7	15.87	344.8	14.76
		38.1	407.5	17.61	395.4	16.82	382.8	16.50	374.6	16.09	364.7	15.80	344.8	14.69
		76.1	408.4	17.35	395.4	16.71	382.8	16.39	374.6	15.80	364.7	15.54	344.8	14.40
		95.1	409.6	16.71	395.4	16.27	382.8	16.09	374.6	15.80	364.7	15.25	344.8	14.40
		114.2	410.2	16.38	395.4	16.05	382.8	15.95	374.6	15.80	364.7	15.10	344.8	14.40
	86	30.4	409.6	16.90	395.4	16.07	382.8	15.61	374.6	15.02	364.7	14.84	344.8	13.63
		38.1	409.6	16.76	395.4	15.98	382.8	15.54	374.6	14.95	364.7	14.69	344.8	13.55
		76.1	409.6	16.21	395.4	15.60	382.8	15.25	374.6	14.69	364.7	14.11	344.8	13.26
		95.1	409.6	15.68	395.4	15.25	382.8	14.95	374.6	14.69	364.7	14.11	344.8	13.00
		114.2	409.6	15.42	395.4	15.07	382.8	14.81	374.6	14.69	364.7	14.11	344.8	12.86
	95	30.4	409.6	16.15	395.4	15.27	382.8	14.84	374.6	14.25	364.7	13.69	344.8	12.48
		38.1	409.6	15.92	395.4	15.13	382.8	14.69	374.6	14.11	364.7	13.55	344.8	12.41
		76.1	409.6	15.01	395.4	14.57	382.8	14.11	374.6	13.55	364.7	13.00	344.8	12.15
		95.1	409.6	14.84	395.4	14.46	382.8	14.11	374.6	13.55	364.7	13.00	344.8	11.86
		114.2	409.6	14.75	395.4	14.40	382.8	14.11	374.6	13.55	364.7	13.00	344.8	11.71
	104	30.4	409.6	15.67	395.4	14.57	382.8	13.99	374.6	13.40	364.7	12.85	344.8	11.63
		38.1	409.6	15.36	395.4	14.40	382.8	13.84	374.6	13.26	364.7	12.71	344.8	11.57
		76.1	409.6	14.17	395.4	13.73	382.8	13.26	374.6	12.71	364.7	12.15	344.8	11.30
		95.1	409.6	13.99	395.4	13.55	382.8	13.26	374.6	12.71	364.7	12.15	344.8	11.01
		114.2	409.6	13.90	395.4	13.46	382.8	13.26	374.6	12.71	364.7	12.15	344.8	10.86
	113	30.4	409.6	15.18	395.4	13.87	382.8	13.14	374.6	12.55	364.7	12.00	344.8	10.79
		38.1	409.6	14.81	395.4	13.67	382.8	13.00	374.6	12.41	364.7	11.86	344.8	10.72
		76.1	409.6	13.32	395.4	12.88	382.8	12.41	374.6	11.86	364.7	11.30	344.8	10.46
		95.1	409.6	13.14	395.4	12.65	382.8	12.41	374.6	11.86	364.7	11.30	344.8	10.16
		114.2	409.6	13.05	395.4	12.53	382.8	12.41	374.6	11.86	364.7	11.30	344.8	10.02

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	30.4	137.8	17.97	136.9	16.70	136.0	15.55	134.6	14.89	135.0	14.46	132.0	12.94
		38.1	142.6	18.28	141.7	17.03	140.8	15.89	139.2	15.22	139.5	14.78	136.5	13.23
		76.1	161.2	19.51	160.3	18.31	159.4	17.23	157.6	16.50	157.6	16.03	154.6	14.37
		95.1	178.1	20.77	176.9	19.57	176.0	18.58	174.2	17.82	174.2	17.29	170.6	15.48
		114.2	186.6	21.40	185.3	20.20	184.4	19.25	182.6	18.48	182.6	17.92	178.6	16.04
	32	30.4	246.3	24.59	240.9	23.54	235.8	22.77	231.3	21.81	229.2	21.20	220.5	18.95
		38.1	247.7	24.65	242.3	23.60	237.2	22.84	232.7	21.88	230.6	21.26	221.8	19.01
		76.1	253.5	24.88	248.0	23.83	242.6	23.10	238.1	22.14	236.0	21.50	227.0	19.25
		95.1	257.4	24.88	252.0	23.83	246.5	23.10	241.7	22.14	239.6	21.50	230.3	19.25
		114.2	259.4	24.88	253.9	23.83	248.5	23.10	243.5	22.14	241.4	21.50	231.9	19.25
	41	30.4	359.3	26.43	350.7	25.44	342.6	24.79	334.9	23.74	321.9	23.07	306.2	20.66
		38.1	360.5	26.55	351.4	25.56	342.7	24.91	334.9	23.86	321.9	23.19	306.2	20.77
		76.1	365.3	27.02	354.1	26.02	343.0	25.41	334.9	24.36	321.9	23.66	306.2	21.18
		95.1	367.4	27.19	355.0	26.20	343.0	25.59	334.9	24.53	321.9	23.83	306.2	21.32
		114.2	368.5	27.28	355.5	26.29	343.0	25.67	334.9	24.62	321.9	23.92	306.2	21.39
	50	30.4	360.6	23.70	351.7	22.89	342.2	22.39	334.3	21.64	321.4	20.93	305.8	18.82
		38.1	362.0	23.75	352.6	22.96	342.7	22.46	334.9	21.67	321.9	20.91	306.2	18.84
		76.1	367.4	23.92	356.2	23.22	344.8	22.72	337.0	21.79	324.0	20.85	307.7	18.93
		95.1	369.5	23.92	357.8	23.22	346.0	22.66	337.6	21.73	324.6	20.94	308.6	19.13
		114.2	370.6	23.92	358.5	23.22	346.6	22.64	337.9	21.70	324.9	20.99	309.1	19.23
	59	30.4	361.7	20.97	352.2	20.39	342.0	20.04	333.9	19.55	320.8	18.77	305.5	17.01
		38.1	363.2	20.94	353.5	20.39	343.0	20.04	334.9	19.48	321.9	18.63	306.2	16.94
		76.1	369.2	20.82	358.7	20.39	346.9	20.04	338.8	19.19	326.1	18.08	309.2	16.65
		95.1	371.3	20.68	360.5	20.21	348.7	19.77	340.0	18.93	327.0	18.08	311.0	16.94
		114.2	372.4	20.60	361.4	20.12	349.6	19.64	340.6	18.79	327.5	18.08	312.0	17.09
	68	30.4	368.4	18.10	358.3	17.67	346.8	17.23	337.5	16.94	325.1	16.46	308.0	15.39
		38.1	370.4	18.14	359.6	17.67	347.8	17.23	338.8	16.94	326.1	16.39	309.2	15.36
		76.1	378.3	18.28	364.4	17.67	351.7	17.23	343.9	16.94	330.0	16.09	314.1	15.25
		95.1	380.4	18.28	367.4	17.67	353.8	17.23	344.8	16.65	331.8	16.09	315.0	15.25
		114.2	381.4	18.28	368.9	17.67	354.9	17.23	345.3	16.50	332.7	16.09	315.4	15.25
	77	30.4	379.9	16.47	368.6	15.87	353.8	15.61	346.0	15.02	333.9	14.47	316.2	13.26
		38.1	380.7	16.44	368.6	15.80	353.8	15.54	346.0	14.95	333.9	14.40	316.2	13.26
		76.1	383.7	16.33	368.6	15.54	353.8	15.25	346.0	14.69	333.9	14.11	316.2	13.26
		95.1	385.5	16.33	368.6	15.60	353.8	14.95	346.0	14.69	333.9	13.84	316.2	13.00
		114.2	386.4	16.33	368.6	15.63	353.8	14.81	346.0	14.69	333.9	13.71	316.2	12.86
	86	30.4	385.5	15.02	368.6	14.47	353.8	13.92	346.0	13.63	333.9	12.78	316.2	11.93
		38.1	385.5	14.95	368.6	14.40	353.8	13.84	346.0	13.55	333.9	12.71	316.2	11.86
		76.1	385.5	14.69	368.6	14.11	353.8	13.55	346.0	13.26	333.9	12.41	316.2	11.57
		95.1	385.5	14.57	368.6	13.84	353.8	13.26	346.0	13.00	333.9	12.41	316.2	11.57
		114.2	385.5	14.52	368.6	13.71	353.8	13.11	346.0	12.86	333.9	12.41	316.2	11.57
	95	30.4	385.5	14.25	368.6	13.33	353.8	12.78	346.0	12.22	333.9	11.63	316.2	10.79
		38.1	385.5	14.11	368.6	13.26	353.8	12.71	346.0	12.15	333.9	11.57	316.2	10.72
		76.1	385.5	13.55	368.6	13.00	353.8	12.41	346.0	11.86	333.9	11.30	316.2	10.46
		95.1	385.5	13.20	368.6	12.71	353.8	12.15	346.0	11.86	333.9	11.30	316.2	10.46
		114.2	385.5	13.02	368.6	12.56	353.8	12.02	346.0	11.86	333.9	11.30	316.2	10.46
	104	30.4	385.5	13.40	368.6	12.85	353.8	12.00	346.0	11.38	333.9	10.79	316.2	9.94
		38.1	385.5	13.26	368.6	12.71	353.8	11.86	346.0	11.30	333.9	10.72	316.2	9.87
		76.1	385.5	12.71	368.6	12.15	353.8	11.30	346.0	11.01	333.9	10.46	316.2	9.61
		95.1	385.5	12.53	368.6	11.86	353.8	11.30	346.0	10.72	333.9	10.16	316.2	9.32
		114.2	385.5	12.44	368.6	11.71	353.8	11.30	346.0	10.57	333.9	10.02	316.2	9.17
	113	30.4	385.5	12.55	368.6	12.36	353.8	11.22	346.0	10.53	333.9	9.94	316.2	9.09
		38.1	385.5	12.41	368.6	12.15	353.8	11.01	346.0	10.46	333.9	9.87	316.2	9.02
		76.1	385.5	11.86	368.6	11.30	353.8	10.16	346.0	10.16	333.9	9.61	316.2	8.76
		95.1	385.5	11.86	368.6	11.01	353.8	10.46	346.0	9.61	333.9	9.02	316.2	8.18
		114.2	385.5	11.86	368.6	10.86	353.8	10.60	346.0	9.33	333.9	8.73	316.2	7.88

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288DAS4, ARWB288DAS4
288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	30.4	130.2	17.97	129.3	16.94	128.8	15.55	127.7	14.89	126.5	14.23	124.1	12.94
		38.1	134.7	18.28	133.8	17.26	133.2	15.89	132.0	15.22	130.8	14.55	128.4	13.23
		76.1	152.5	19.51	151.6	18.55	150.7	17.23	149.2	16.50	148.0	15.80	145.6	14.37
		95.1	168.5	20.77	167.3	19.83	166.4	18.58	164.9	17.82	163.7	17.03	160.6	15.48
		114.2	176.5	21.40	175.2	20.48	174.3	19.25	172.8	18.48	171.6	17.65	168.2	16.04
	32	30.4	232.8	24.59	227.7	23.86	222.9	22.77	219.0	21.81	215.1	20.88	207.6	18.95
		38.1	234.2	24.65	229.1	23.92	224.2	22.84	220.3	21.88	216.4	20.94	208.9	19.01
		76.1	239.6	24.88	234.5	24.15	229.4	23.10	225.4	22.14	221.5	21.18	213.7	19.25
		95.1	243.2	24.88	238.1	24.15	233.0	23.10	228.8	22.14	224.8	21.18	217.0	19.25
		114.2	245.0	24.88	239.9	24.15	234.8	23.10	230.4	22.14	226.5	21.18	218.7	19.25
	41	30.4	343.6	26.43	332.1	25.79	323.6	24.79	317.1	23.74	302.0	22.72	288.1	20.66
		38.1	344.8	26.55	332.7	25.91	323.7	24.91	317.1	23.86	302.0	22.84	288.1	20.77
		76.1	349.6	27.02	335.2	26.37	324.0	25.41	317.1	24.36	302.0	23.31	288.1	21.18
		95.1	351.7	27.19	336.1	26.55	324.0	25.59	317.1	24.53	302.0	23.45	288.1	21.32
		114.2	352.8	27.28	336.5	26.64	324.0	25.67	317.1	24.62	302.0	23.53	288.1	21.39
	50	30.4	345.5	23.63	333.2	23.12	324.0	22.39	317.1	21.64	302.0	20.57	288.1	18.82
		38.1	346.3	23.75	333.6	23.19	324.0	22.46	317.1	21.67	302.0	20.59	288.1	18.84
		76.1	349.6	24.18	335.5	23.48	324.0	22.72	317.1	21.79	302.0	20.68	288.1	18.93
		95.1	352.0	24.10	337.0	23.48	324.0	22.66	317.1	21.73	302.0	20.62	288.1	18.84
		114.2	353.2	24.05	337.7	23.48	324.0	22.64	317.1	21.70	302.0	20.59	288.1	18.79
	59	30.4	347.4	20.84	334.6	20.49	324.0	20.04	317.1	19.55	302.0	18.41	288.1	17.01
		38.1	347.8	20.94	334.9	20.50	324.0	20.04	317.1	19.48	302.0	18.34	288.1	16.94
		76.1	349.6	21.35	335.8	20.56	324.0	20.04	317.1	19.19	302.0	18.08	288.1	16.65
		95.1	352.6	21.00	337.6	20.39	324.0	19.77	317.1	18.93	302.0	17.79	288.1	16.39
		114.2	354.2	20.82	338.5	20.30	324.0	19.64	317.1	18.79	302.0	17.64	288.1	16.25
	68	30.4	349.2	17.82	336.4	17.36	324.0	16.94	317.1	16.71	302.0	15.61	288.1	14.84
		38.1	350.5	17.90	336.7	17.38	324.0	16.94	317.1	16.65	302.0	15.54	288.1	14.69
		76.1	355.6	18.23	337.6	17.44	324.0	16.94	317.1	16.39	302.0	15.25	288.1	14.11
		95.1	357.8	17.90	340.6	17.29	324.0	16.65	317.1	16.09	302.0	14.95	288.1	13.84
		114.2	358.8	17.74	342.1	17.22	324.0	16.50	317.1	15.95	302.0	14.81	288.1	13.71
	77	30.4	353.4	15.58	341.8	15.09	324.0	14.47	317.1	13.92	302.0	13.07	288.1	11.86
		38.1	354.7	15.60	341.8	15.01	324.0	14.40	317.1	13.84	302.0	13.00	288.1	11.86
		76.1	359.9	15.65	341.8	14.69	324.0	14.11	317.1	13.55	302.0	12.71	288.1	11.86
		95.1	361.7	15.30	341.8	14.57	324.0	13.84	317.1	13.26	302.0	12.71	288.1	11.57
		114.2	362.6	15.13	341.8	14.52	324.0	13.71	317.1	13.11	302.0	12.71	288.1	11.42
	86	30.4	361.7	14.17	341.8	13.07	324.0	12.18	317.1	11.93	302.0	11.01	288.1	10.53
		38.1	361.7	14.11	341.8	13.00	324.0	12.15	317.1	11.86	302.0	11.01	288.1	10.46
		76.1	361.7	13.84	341.8	12.71	324.0	12.03	317.1	11.57	302.0	11.01	288.1	10.16
		95.1	361.7	13.55	341.8	12.71	324.0	11.86	317.1	11.57	302.0	10.72	288.1	10.16
		114.2	361.7	13.40	341.8	12.71	324.0	11.77	317.1	11.57	302.0	10.57	288.1	10.16
	95	30.4	361.7	13.14	341.8	12.00	324.0	10.75	317.1	10.53	302.0	9.94	288.1	9.09
		38.1	361.7	13.00	341.8	11.86	324.0	10.72	317.1	10.46	302.0	9.87	288.1	9.02
		76.1	361.7	12.41	341.8	11.30	324.0	10.60	317.1	10.16	302.0	9.61	288.1	8.76
		95.1	361.7	12.41	341.8	11.30	324.0	10.46	317.1	10.16	302.0	9.61	288.1	8.76
		114.2	361.7	12.41	341.8	11.30	324.0	10.38	317.1	10.16	302.0	9.61	288.1	8.76
	104	30.4	361.7	12.30	341.8	11.15	324.0	9.64	317.1	9.39	302.0	8.84	288.1	8.24
		38.1	361.7	12.15	341.8	11.01	324.0	9.61	317.1	9.32	302.0	8.76	288.1	8.18
		76.1	361.7	11.57	341.8	10.46	324.0	9.49	317.1	9.02	302.0	8.47	288.1	7.92
		95.1	361.7	11.30	341.8	10.46	324.0	9.32	317.1	9.02	302.0	8.47	288.1	7.92
		114.2	361.7	11.17	341.8	10.46	324.0	9.23	317.1	9.02	302.0	8.47	288.1	7.92
	113	30.4	361.7	11.45	341.8	10.30	324.0	8.50	317.1	8.24	302.0	7.70	288.1	7.40
		38.1	361.7	11.30	341.8	10.16	324.0	8.47	317.1	8.18	302.0	7.62	288.1	7.33
		76.1	361.7	10.72	341.8	9.61	324.0	8.35	317.1	7.92	302.0	7.33	288.1	7.07
		95.1	361.7	10.16	341.8	9.61	324.0	8.18	317.1	7.92	302.0	7.33	288.1	7.07
		114.2	361.7	9.88	341.8	9.61	324.0	8.09	317.1	7.92	302.0	7.33	288.1	7.07

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	30.4	122.9	16.68	119.2	15.19	115.7	13.34	114.8	12.72	113.9	12.26	111.9	11.00
		38.1	127.2	16.97	123.3	15.48	119.7	13.64	118.7	13.00	117.8	12.53	115.7	11.24
		76.1	144.1	18.11	139.5	16.62	135.3	14.81	134.4	14.11	133.5	13.61	130.8	12.21
		95.1	159.1	19.25	154.0	17.79	149.5	15.98	148.3	15.22	147.4	14.66	144.7	13.17
		114.2	166.7	19.82	161.3	18.38	156.6	16.56	155.3	15.78	154.4	15.19	151.7	13.66
	32	30.4	219.9	22.72	209.8	21.32	200.1	19.58	197.2	18.67	193.9	17.97	186.6	16.14
		38.1	221.2	22.78	211.0	21.38	201.3	19.63	198.3	18.72	195.0	18.02	187.8	16.18
		76.1	226.3	23.02	215.8	21.61	206.2	19.83	202.8	18.93	199.5	18.23	192.3	16.36
		95.1	229.7	23.02	219.1	21.61	209.5	19.83	205.9	18.93	202.8	18.23	195.3	16.36
		114.2	231.3	23.02	220.8	21.61	211.1	19.83	207.4	18.93	204.5	18.23	196.8	16.36
	41	30.4	310.7	24.39	300.7	23.02	291.1	21.31	285.1	20.31	272.5	19.55	259.5	17.55
		38.1	311.0	24.50	300.5	23.13	291.1	21.41	285.1	20.42	272.5	19.66	259.5	17.64
		76.1	312.2	24.94	299.6	23.57	291.1	21.82	285.1	20.82	272.5	20.07	259.5	17.99
		95.1	314.1	25.09	300.5	23.72	291.1	21.99	285.1	20.97	272.5	20.21	259.5	18.14
		114.2	315.0	25.16	300.9	23.79	291.1	22.08	285.1	21.04	272.5	20.28	259.5	18.21
	50	30.4	312.4	21.54	301.8	20.48	291.1	19.28	285.1	18.50	272.5	17.74	259.5	15.99
		38.1	312.2	21.55	301.4	20.50	291.1	19.31	285.1	18.52	272.5	17.73	259.5	16.01
		76.1	311.6	21.61	299.9	20.59	291.1	19.39	285.1	18.60	272.5	17.67	259.5	16.06
		95.1	313.8	21.55	300.8	20.53	291.1	19.33	285.1	18.55	272.5	17.73	259.5	16.12
		114.2	314.8	21.53	301.2	20.50	291.1	19.31	285.1	18.52	272.5	17.76	259.5	16.15
	59	30.4	314.0	18.65	302.8	17.98	291.1	17.31	285.1	16.71	272.5	15.94	259.5	14.47
		38.1	313.5	18.58	302.3	17.90	291.1	17.23	285.1	16.65	272.5	15.80	259.5	14.40
		76.1	311.3	18.28	300.2	17.61	291.1	16.94	285.1	16.39	272.5	15.25	259.5	14.11
		95.1	313.5	18.02	301.1	17.35	291.1	16.65	285.1	16.09	272.5	15.25	259.5	14.11
		114.2	314.5	17.89	301.5	17.22	291.1	16.50	285.1	15.95	272.5	15.25	259.5	14.11
	68	30.4	315.9	15.74	304.1	15.29	291.1	14.76	285.1	14.17	272.5	13.69	259.5	12.85
		38.1	315.6	15.74	303.5	15.25	291.1	14.69	285.1	14.11	272.5	13.55	259.5	12.71
		76.1	314.4	15.74	301.1	15.07	291.1	14.40	285.1	13.84	272.5	13.00	259.5	12.15
		95.1	315.3	15.48	302.0	14.95	291.1	14.40	285.1	13.84	272.5	13.00	259.5	12.15
		114.2	315.7	15.35	302.5	14.90	291.1	14.40	285.1	13.84	272.5	13.00	259.5	12.15
	77	30.4	321.1	13.76	308.0	13.03	291.1	12.48	285.1	11.86	272.5	11.38	259.5	10.53
		38.1	321.9	13.73	308.0	13.00	291.1	12.41	285.1	11.86	272.5	11.30	259.5	10.46
		76.1	324.9	13.61	308.0	12.88	291.1	12.15	285.1	11.86	272.5	11.01	259.5	10.16
		95.1	326.1	13.26	308.0	12.59	291.1	12.15	285.1	11.57	272.5	11.01	259.5	10.16
		114.2	326.7	13.08	308.0	12.44	291.1	12.15	285.1	11.42	272.5	11.01	259.5	10.16
	86	30.4	326.1	12.48	308.0	11.63	291.1	10.79	285.1	10.53	272.5	9.94	259.5	9.02
		38.1	326.1	12.41	308.0	11.57	291.1	10.72	285.1	10.46	272.5	9.87	259.5	9.02
		76.1	326.1	12.15	308.0	11.30	291.1	10.46	285.1	10.16	272.5	9.61	259.5	9.02
		95.1	326.1	11.86	308.0	11.01	291.1	10.46	285.1	10.16	272.5	9.61	259.5	8.76
		114.2	326.1	11.71	308.0	10.86	291.1	10.46	285.1	10.16	272.5	9.61	259.5	8.63
	95	30.4	326.1	11.38	308.0	10.53	291.1	9.68	285.1	9.39	272.5	8.84	259.5	8.24
		38.1	326.1	11.30	308.0	10.46	291.1	9.61	285.1	9.32	272.5	8.76	259.5	8.18
		76.1	326.1	11.01	308.0	10.16	291.1	9.32	285.1	9.02	272.5	8.47	259.5	7.92
		95.1	326.1	10.72	308.0	9.87	291.1	9.02	285.1	8.76	272.5	8.47	259.5	7.92
		114.2	326.1	10.57	308.0	9.72	291.1	8.88	285.1	8.63	272.5	8.47	259.5	7.92
	104	30.4	326.1	10.60	308.0	9.68	291.1	8.54	285.1	8.24	272.5	7.99	259.5	7.40
		38.1	326.1	10.46	308.0	9.61	291.1	8.47	285.1	8.18	272.5	7.92	259.5	7.33
		76.1	326.1	9.87	308.0	9.32	291.1	8.18	285.1	7.92	272.5	7.62	259.5	7.07
		95.1	326.1	9.87	308.0	9.32	291.1	8.18	285.1	7.92	272.5	7.62	259.5	7.07
		114.2	326.1	9.87	308.0	9.32	291.1	8.18	285.1	7.92	272.5	7.62	259.5	7.07
	113	30.4	326.1	9.82	308.0	8.84	291.1	7.40	285.1	7.14	272.5	7.14	259.5	6.55
		38.1	326.1	9.61	308.0	8.76	291.1	7.33	285.1	7.07	272.5	7.07	259.5	6.48
		76.1	326.1	8.76	308.0	8.47	291.1	7.07	285.1	6.78	272.5	6.78	259.5	6.22
		95.1	326.1	9.02	308.0	8.76	291.1	7.33	285.1	7.07	272.5	6.78	259.5	6.22
		114.2	326.1	9.16	308.0	8.91	291.1	7.46	285.1	7.22	272.5	6.78	259.5	6.22

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	30.4	116.3	11.88	109.0	11.43	103.2	10.95	102.0	10.58	101.4	10.09	99.4	9.29
		38.1	120.3	12.15	112.7	11.68	106.7	11.19	105.5	10.81	104.9	10.31	102.8	9.49
		76.1	135.9	13.20	127.5	12.68	120.6	12.12	119.4	11.71	118.7	11.19	116.3	10.28
		95.1	150.4	14.22	140.8	13.67	133.2	13.08	131.7	12.65	131.1	12.06	128.4	11.10
		114.2	157.7	14.74	147.4	14.17	139.6	13.57	137.9	13.12	137.3	12.50	134.5	11.51
	32	30.4	207.6	17.44	191.4	16.74	178.3	16.05	174.9	15.49	172.5	14.76	166.0	13.60
		38.1	208.9	17.49	192.6	16.79	179.3	16.09	176.0	15.54	173.6	14.81	167.0	13.64
		76.1	214.0	17.70	197.1	17.00	183.5	16.27	180.2	15.71	177.8	14.98	170.9	13.79
		95.1	217.0	17.70	200.1	17.00	186.6	16.27	182.9	15.71	180.5	14.98	173.6	13.79
		114.2	218.5	17.70	201.6	17.00	188.1	16.27	184.3	15.71	181.9	14.98	175.0	13.79
	41	30.4	287.2	18.97	271.0	18.25	259.1	17.43	253.5	16.85	242.6	16.07	230.6	14.79
		38.1	287.8	19.07	271.6	18.34	259.2	17.52	253.5	16.94	242.6	16.15	230.6	14.87
		76.1	290.2	19.48	273.7	18.69	259.5	17.90	253.5	17.29	242.6	16.47	230.6	15.19
		95.1	290.2	19.60	273.4	18.84	259.5	18.02	253.5	17.41	242.6	16.59	230.6	15.28
		114.2	290.2	19.66	273.2	18.91	259.5	18.08	253.5	17.47	242.6	16.65	230.6	15.32
	50	30.4	288.7	17.46	272.2	16.67	259.1	15.82	253.5	15.38	242.6	14.57	230.6	13.49
		38.1	289.0	17.44	272.5	16.65	259.2	15.83	253.5	15.39	242.6	14.57	230.6	13.49
		76.1	290.2	17.35	273.7	16.56	259.5	15.86	253.5	15.42	242.6	14.60	230.6	13.52
		95.1	290.2	17.29	273.4	16.62	259.5	15.92	253.5	15.33	242.6	14.52	230.6	13.44
		114.2	290.2	17.26	273.2	16.65	259.5	15.95	253.5	15.29	242.6	14.47	230.6	13.39
	59	30.4	290.2	15.94	273.4	15.09	259.5	14.17	253.5	13.92	242.6	13.07	230.6	12.22
		38.1	290.2	15.80	273.4	14.95	259.5	14.11	253.5	13.84	242.6	13.00	230.6	12.15
		76.1	290.2	15.25	273.4	14.40	259.5	13.84	253.5	13.55	242.6	12.71	230.6	11.86
		95.1	290.2	14.95	273.4	14.40	259.5	13.84	253.5	13.26	242.6	12.41	230.6	11.57
		114.2	290.2	14.81	273.4	14.40	259.5	13.84	253.5	13.11	242.6	12.27	230.6	11.42
	68	30.4	290.2	13.33	273.4	12.78	259.5	12.15	253.5	11.93	242.6	11.38	230.6	10.53
		38.1	290.2	13.26	273.4	12.71	259.5	12.15	253.5	11.86	242.6	11.30	230.6	10.46
		76.1	290.2	13.00	273.4	12.41	259.5	12.15	253.5	11.57	242.6	11.01	230.6	10.16
		95.1	290.2	12.71	273.4	12.15	259.5	11.86	253.5	11.57	242.6	10.72	230.6	10.16
		114.2	290.2	12.56	273.4	12.02	259.5	11.71	253.5	11.57	242.6	10.57	230.6	10.16
	77	30.4	290.2	11.93	273.4	11.08	259.5	10.46	253.5	10.24	242.6	9.68	230.6	9.09
		38.1	290.2	11.86	273.4	11.01	259.5	10.46	253.5	10.16	242.6	9.61	230.6	9.02
		76.1	290.2	11.57	273.4	10.72	259.5	10.46	253.5	9.87	242.6	9.32	230.6	8.76
		95.1	290.2	11.30	273.4	10.72	259.5	10.16	253.5	9.87	242.6	9.32	230.6	8.76
		114.2	290.2	11.17	273.4	10.72	259.5	10.02	253.5	9.87	242.6	9.32	230.6	8.76
	86	30.4	290.2	10.53	273.4	9.94	259.5	9.39	253.5	9.09	242.6	8.54	230.6	7.99
		38.1	290.2	10.46	273.4	9.87	259.5	9.32	253.5	9.02	242.6	8.47	230.6	7.92
		76.1	290.2	10.16	273.4	9.61	259.5	9.02	253.5	8.76	242.6	8.18	230.6	7.62
		95.1	290.2	10.16	273.4	9.61	259.5	9.02	253.5	8.76	242.6	8.18	230.6	7.62
		114.2	290.2	10.16	273.4	9.61	259.5	9.02	253.5	8.76	242.6	8.18	230.6	7.62
	95	30.4	290.2	9.68	273.4	9.09	259.5	8.24	253.5	7.92	242.6	7.70	230.6	7.07
		38.1	290.2	9.61	273.4	9.02	259.5	8.18	253.5	7.92	242.6	7.62	230.6	7.07
		76.1	290.2	9.32	273.4	8.76	259.5	7.92	253.5	7.92	242.6	7.33	230.6	7.07
		95.1	290.2	9.32	273.4	8.47	259.5	7.92	253.5	7.62	242.6	7.33	230.6	6.78
		114.2	290.2	9.32	273.4	8.32	259.5	7.92	253.5	7.48	242.6	7.33	230.6	6.63
	104	30.4	290.2	9.17	273.4	8.24	259.5	7.33	253.5	7.40	242.6	6.78	230.6	6.55
		38.1	290.2	9.02	273.4	8.18	259.5	7.33	253.5	7.33	242.6	6.78	230.6	6.48
		76.1	290.2	8.47	273.4	7.92	259.5	7.33	253.5	7.07	242.6	6.78	230.6	6.22
		95.1	290.2	8.47	273.4	7.92	259.5	7.07	253.5	7.07	242.6	6.78	230.6	6.22
		114.2	290.2	8.47	273.4	7.92	259.5	6.94	253.5	7.07	242.6	6.78	230.6	6.22
	113	30.4	290.2	8.68	273.4	7.40	259.5	6.41	253.5	6.92	242.6	5.86	230.6	6.07
		38.1	290.2	8.47	273.4	7.33	259.5	6.48	253.5	6.78	242.6	5.93	230.6	5.93
		76.1	290.2	7.62	273.4	7.07	259.5	6.78	253.5	6.22	242.6	6.22	230.6	5.37
		95.1	290.2	7.62	273.4	7.33	259.5	6.22	253.5	6.48	242.6	6.22	230.6	5.64
		114.2	290.2	7.62	273.4	7.46	259.5	5.94	253.5	6.62	242.6	6.22	230.6	5.77

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	30.4	101.4	10.21	95.3	9.72	90.1	9.40	89.2	8.86	88.6	8.55	87.1	7.77
		38.1	104.9	10.43	98.6	9.93	93.1	9.61	92.2	9.05	91.6	8.73	90.1	7.94
		76.1	118.7	11.30	111.5	10.78	105.2	10.43	104.3	9.81	103.7	9.46	101.9	8.62
		95.1	131.4	12.21	123.3	11.62	116.3	11.24	115.4	10.57	114.5	10.22	112.4	9.29
		114.2	137.8	12.66	129.2	12.05	122.0	11.66	121.1	10.96	120.0	10.61	117.7	9.63
	32	30.4	181.6	14.94	167.8	14.25	155.8	13.77	153.1	12.96	150.7	12.52	145.3	11.39
		38.1	182.6	14.98	168.8	14.28	156.7	13.81	154.0	13.00	151.6	12.56	146.2	11.42
		76.1	186.9	15.16	172.7	14.43	160.3	13.99	157.6	13.14	155.2	12.71	149.5	11.54
		95.1	189.6	15.16	175.4	14.43	162.8	13.99	160.0	13.14	157.6	12.71	151.9	11.54
		114.2	190.9	15.16	176.8	14.43	164.0	13.99	161.3	13.14	158.8	12.71	153.1	11.54
	41	30.4	250.8	16.27	237.6	15.49	226.3	14.99	221.5	14.13	211.6	13.62	201.6	12.38
		38.1	251.4	16.36	238.1	15.57	226.3	15.07	221.5	14.19	211.6	13.70	201.6	12.44
		76.1	253.5	16.68	239.9	15.89	226.6	15.39	221.5	14.46	211.6	13.99	201.6	12.71
		95.1	253.5	16.79	239.6	16.01	226.6	15.51	221.5	14.57	211.6	14.08	201.6	12.79
		114.2	253.5	16.85	239.5	16.06	226.6	15.57	221.5	14.63	211.6	14.12	201.6	12.84
	50	30.4	252.0	14.98	238.5	14.17	226.6	13.64	221.5	12.88	211.6	12.35	201.6	11.30
		38.1	252.3	14.95	238.7	14.14	226.6	13.61	221.5	12.88	211.6	12.35	201.6	11.30
		76.1	253.5	14.84	239.6	14.02	226.6	13.49	221.5	12.88	211.6	12.35	201.6	11.30
		95.1	253.5	14.90	239.6	14.08	226.6	13.55	221.5	12.94	211.6	12.27	201.6	11.33
		114.2	253.5	14.92	239.6	14.11	226.6	13.58	221.5	12.97	211.6	12.22	201.6	11.35
	59	30.4	253.5	13.69	239.6	12.85	226.6	12.30	221.5	11.63	211.6	11.08	201.6	10.24
		38.1	253.5	13.55	239.6	12.71	226.6	12.15	221.5	11.57	211.6	11.01	201.6	10.16
		76.1	253.5	13.00	239.6	12.15	226.6	11.57	221.5	11.30	211.6	10.72	201.6	9.87
		95.1	253.5	13.00	239.6	12.15	226.6	11.57	221.5	11.30	211.6	10.46	201.6	9.87
		114.2	253.5	13.00	239.6	12.15	226.6	11.57	221.5	11.30	211.6	10.32	201.6	9.87
	68	30.4	253.5	11.38	239.6	10.79	226.6	10.53	221.5	10.24	211.6	9.68	201.6	9.09
		38.1	253.5	11.30	239.6	10.72	226.6	10.46	221.5	10.16	211.6	9.61	201.6	9.02
		76.1	253.5	11.01	239.6	10.46	226.6	10.16	221.5	9.87	211.6	9.32	201.6	8.76
		95.1	253.5	11.01	239.6	10.46	226.6	10.16	221.5	9.61	211.6	9.32	201.6	8.47
		114.2	253.5	11.01	239.6	10.46	226.6	10.16	221.5	9.48	211.6	9.32	201.6	8.32
	77	30.4	253.5	10.24	239.6	9.68	226.6	9.09	221.5	8.84	211.6	8.18	201.6	7.62
		38.1	253.5	10.16	239.6	9.61	226.6	9.02	221.5	8.76	211.6	8.18	201.6	7.62
		76.1	253.5	9.87	239.6	9.32	226.6	8.76	221.5	8.47	211.6	8.18	201.6	7.62
		95.1	253.5	9.61	239.6	9.02	226.6	8.76	221.5	8.47	211.6	7.92	201.6	7.62
		114.2	253.5	9.48	239.6	8.88	226.6	8.76	221.5	8.47	211.6	7.78	201.6	7.62
	86	30.4	253.5	9.09	239.6	8.54	226.6	7.99	221.5	7.62	211.6	7.40	201.6	6.78
		38.1	253.5	9.02	239.6	8.47	226.6	7.92	221.5	7.62	211.6	7.33	201.6	6.78
		76.1	253.5	8.76	239.6	8.18	226.6	7.62	221.5	7.62	211.6	7.07	201.6	6.78
		95.1	253.5	8.76	239.6	8.18	226.6	7.62	221.5	7.33	211.6	7.07	201.6	6.78
		114.2	253.5	8.76	239.6	8.18	226.6	7.62	221.5	7.18	211.6	7.07	201.6	6.78
	95	30.4	253.5	8.24	239.6	7.70	226.6	7.07	221.5	7.14	211.6	6.48	201.6	6.29
		38.1	253.5	8.18	239.6	7.62	226.6	7.07	221.5	7.07	211.6	6.48	201.6	6.22
		76.1	253.5	7.92	239.6	7.33	226.6	7.07	221.5	6.78	211.6	6.48	201.6	5.93
		95.1	253.5	7.92	239.6	7.33	226.6	6.78	221.5	6.78	211.6	6.48	201.6	5.93
		114.2	253.5	7.92	239.6	7.33	226.6	6.63	221.5	6.78	211.6	6.48	201.6	5.93
	104	30.4	253.5	7.70	239.6	7.14	226.6	6.55	221.5	6.22	211.6	5.93	201.6	5.70
		38.1	253.5	7.62	239.6	7.07	226.6	6.48	221.5	6.22	211.6	5.93	201.6	5.64
		76.1	253.5	7.33	239.6	6.78	226.6	6.22	221.5	6.22	211.6	5.93	201.6	5.37
		95.1	253.5	7.33	239.6	6.78	226.6	6.22	221.5	5.93	211.6	5.64	201.6	5.37
		114.2	253.5	7.33	239.6	6.78	226.6	6.22	221.5	5.78	211.6	5.49	201.6	5.37
	113	30.4	253.5	7.14	239.6	6.55	226.6	6.07	221.5	5.31	211.6	5.37	201.6	5.16
		38.1	253.5	7.07	239.6	6.48	226.6	5.93	221.5	5.37	211.6	5.37	201.6	5.08
		76.1	253.5	6.78	239.6	6.22	226.6	5.37	221.5	5.64	211.6	5.37	201.6	4.79
		95.1	253.5	6.78	239.6	6.22	226.6	5.64	221.5	5.08	211.6	4.79	201.6	4.79
		114.2	253.5	6.78	239.6	6.22	226.6	5.77	221.5	4.80	211.6	4.50	201.6	4.79

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN288DAS4, ARWB288DAS4
288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	30.4	87.1	8.29	81.6	7.97	77.2	7.66	76.3	7.12	76.0	7.00	74.6	6.26
		38.1	90.1	8.47	84.4	8.15	79.9	7.83	79.0	7.27	78.7	7.16	77.2	6.40
		76.1	102.2	9.20	95.5	8.85	90.4	8.50	89.5	7.89	89.2	7.77	87.4	6.95
		95.1	112.7	9.90	105.5	9.55	100.1	9.17	98.9	8.53	98.6	8.38	96.4	7.48
		114.2	118.0	10.25	110.5	9.90	104.9	9.51	103.6	8.85	103.3	8.69	101.0	7.74
	32	30.4	155.8	12.14	143.5	11.71	133.9	11.21	131.2	10.43	129.4	10.28	124.7	9.18
		38.1	156.7	12.18	144.4	11.74	134.7	11.24	132.0	10.46	130.2	10.31	125.4	9.20
		76.1	160.3	12.33	147.7	11.86	138.0	11.39	135.0	10.57	133.2	10.43	128.1	9.29
		95.1	162.8	12.33	150.1	11.86	140.1	11.39	137.1	10.57	135.3	10.43	130.2	9.29
		114.2	164.0	12.33	151.3	11.86	141.2	11.39	138.2	10.57	136.4	10.43	131.3	9.29
	41	30.4	215.3	13.22	203.1	12.73	194.7	12.20	189.9	11.36	181.7	11.19	173.0	9.97
		38.1	215.8	13.29	203.4	12.79	194.7	12.27	189.9	11.42	181.7	11.24	173.0	10.02
		76.1	217.6	13.55	204.9	13.06	194.7	12.53	189.9	11.65	181.7	11.48	173.0	10.22
		95.1	217.6	13.67	204.6	13.14	194.7	12.62	189.9	11.74	181.7	11.54	173.0	10.31
		114.2	217.6	13.73	204.5	13.19	194.7	12.66	189.9	11.79	181.7	11.57	173.0	10.35
	50	30.4	216.5	12.15	203.8	11.62	194.7	11.07	189.9	10.34	181.7	10.14	173.0	9.09
		38.1	216.7	12.15	204.0	11.62	194.7	11.07	189.9	10.37	181.7	10.13	173.0	9.11
		76.1	217.6	12.15	204.9	11.62	194.7	11.07	189.9	10.49	181.7	10.11	173.0	9.20
		95.1	217.6	12.18	204.6	11.51	194.7	10.95	189.9	10.37	181.7	10.02	173.0	9.11
		114.2	217.6	12.19	204.5	11.45	194.7	10.89	189.9	10.31	181.7	9.97	173.0	9.07
	59	30.4	217.6	11.08	204.6	10.53	194.7	9.94	189.9	9.32	181.7	9.09	173.0	8.18
		38.1	217.6	11.01	204.6	10.46	194.7	9.87	189.9	9.32	181.7	9.02	173.0	8.18
		76.1	217.6	10.72	204.6	10.16	194.7	9.61	189.9	9.32	181.7	8.76	173.0	8.18
		95.1	217.6	10.72	204.6	9.87	194.7	9.32	189.9	9.02	181.7	8.47	173.0	7.92
		114.2	217.6	10.72	204.6	9.72	194.7	9.17	189.9	8.88	181.7	8.32	173.0	7.78
	68	30.4	217.6	9.68	204.6	9.09	194.7	8.54	189.9	8.24	181.7	7.99	173.0	7.40
		38.1	217.6	9.61	204.6	9.02	194.7	8.47	189.9	8.18	181.7	7.92	173.0	7.33
		76.1	217.6	9.32	204.6	8.76	194.7	8.18	189.9	7.92	181.7	7.62	173.0	7.07
		95.1	217.6	9.32	204.6	8.76	194.7	8.18	189.9	7.92	181.7	7.62	173.0	7.07
		114.2	217.6	9.32	204.6	8.76	194.7	8.18	189.9	7.92	181.7	7.62	173.0	7.07
	77	30.4	217.6	8.54	204.6	7.99	194.7	7.33	189.9	7.40	181.7	6.78	173.0	6.55
		38.1	217.6	8.47	204.6	7.92	194.7	7.33	189.9	7.33	181.7	6.78	173.0	6.48
		76.1	217.6	8.18	204.6	7.62	194.7	7.33	189.9	7.07	181.7	6.78	173.0	6.22
		95.1	217.6	8.18	204.6	7.62	194.7	7.07	189.9	7.07	181.7	6.78	173.0	6.22
		114.2	217.6	8.18	204.6	7.62	194.7	6.94	189.9	7.07	181.7	6.78	173.0	6.22
	86	30.4	217.6	7.70	204.6	7.14	194.7	6.85	189.9	6.55	181.7	6.29	173.0	6.00
		38.1	217.6	7.62	204.6	7.07	194.7	6.78	189.9	6.48	181.7	6.22	173.0	5.93
		76.1	217.6	7.33	204.6	6.78	194.7	6.48	189.9	6.22	181.7	5.93	173.0	5.64
		95.1	217.6	7.33	204.6	6.78	194.7	6.48	189.9	6.22	181.7	5.93	173.0	5.64
		114.2	217.6	7.33	204.6	6.78	194.7	6.48	189.9	6.22	181.7	5.93	173.0	5.64
	95	30.4	217.6	6.78	204.6	6.55	194.7	5.93	189.9	6.00	181.7	5.70	173.0	5.45
		38.1	217.6	6.78	204.6	6.48	194.7	5.93	189.9	5.93	181.7	5.64	173.0	5.37
		76.1	217.6	6.78	204.6	6.22	194.7	5.93	189.9	5.64	181.7	5.37	173.0	5.08
		95.1	217.6	6.78	204.6	6.22	194.7	5.64	189.9	5.64	181.7	5.37	173.0	5.08
		114.2	217.6	6.78	204.6	6.22	194.7	5.49	189.9	5.64	181.7	5.37	173.0	5.08
	104	30.4	217.6	6.22	204.6	6.00	194.7	5.37	189.9	5.45	181.7	5.16	173.0	4.79
		38.1	217.6	6.22	204.6	5.93	194.7	5.37	189.9	5.37	181.7	5.08	173.0	4.79
		76.1	217.6	6.22	204.6	5.64	194.7	5.37	189.9	5.08	181.7	4.79	173.0	4.79
		95.1	217.6	6.22	204.6	5.64	194.7	5.37	189.9	5.08	181.7	4.79	173.0	4.79
		114.2	217.6	6.22	204.6	5.64	194.7	5.37	189.9	5.08	181.7	4.79	173.0	4.79
	113	30.4	217.6	5.64	204.6	5.45	194.7	4.79	189.9	4.86	181.7	4.60	173.0	4.16
		38.1	217.6	5.64	204.6	5.37	194.7	4.79	189.9	4.79	181.7	4.53	173.0	4.24
		76.1	217.6	5.64	204.6	5.08	194.7	4.79	189.9	4.53	181.7	4.24	173.0	4.53
		95.1	217.6	5.64	204.6	5.08	194.7	5.08	189.9	4.53	181.7	4.24	173.0	4.53
		114.2	217.6	5.64	204.6	5.08	194.7	5.23	189.9	4.53	181.7	4.24	173.0	4.53

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN288DAS4, ARWB288DAS4

288,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	30.4	72.6	6.61	68.2	6.26	64.4	5.92	63.5	5.60	63.2	5.26	62.1	4.98
		38.1	75.0	6.75	70.5	6.40	66.6	6.05	65.7	5.72	65.4	5.37	64.2	5.08
		76.1	84.7	7.30	79.6	6.95	75.3	6.54	74.4	6.22	74.1	5.84	72.6	5.49
		95.1	93.7	7.89	88.0	7.48	83.2	7.07	82.3	6.72	81.7	6.28	80.5	5.93
		114.2	98.3	8.18	92.3	7.74	87.1	7.33	86.2	6.97	85.5	6.50	84.4	6.15
	32	30.4	129.4	9.67	119.9	9.18	111.4	8.64	109.0	8.21	107.5	7.72	103.7	7.28
		38.1	130.2	9.70	120.6	9.20	112.1	8.67	109.7	8.24	108.2	7.74	104.3	7.30
		76.1	133.2	9.78	123.3	9.29	114.8	8.79	112.4	8.35	110.9	7.83	106.7	7.39
		95.1	135.3	9.78	125.1	9.29	116.3	8.79	114.2	8.35	112.4	7.83	108.5	7.39
		114.2	136.4	9.78	126.0	9.29	117.1	8.79	115.1	8.35	113.2	7.83	109.4	7.39
	41	30.4	178.9	10.52	169.7	9.97	161.8	9.41	157.9	8.95	151.0	8.40	144.1	7.90
		38.1	179.3	10.57	170.0	10.02	161.8	9.46	157.9	9.00	151.0	8.44	144.1	7.94
		76.1	180.8	10.78	171.2	10.22	162.2	9.67	157.9	9.17	151.0	8.59	144.1	8.12
		95.1	180.8	10.86	170.9	10.31	162.2	9.73	157.9	9.23	151.0	8.67	144.1	8.18
		114.2	180.8	10.91	170.7	10.35	162.2	9.76	157.9	9.26	151.0	8.72	144.1	8.21
	50	30.4	180.1	9.68	170.1	9.12	161.8	8.57	157.9	8.19	151.0	7.57	144.1	7.23
		38.1	180.2	9.67	170.3	9.11	161.8	8.56	157.9	8.18	151.0	7.59	144.1	7.21
		76.1	180.8	9.61	171.2	9.08	162.2	8.50	157.9	8.12	151.0	7.68	144.1	7.16
		95.1	180.8	9.67	170.9	9.11	162.2	8.53	157.9	8.15	151.0	7.56	144.1	7.18
		114.2	180.8	9.70	170.7	9.13	162.2	8.54	157.9	8.16	151.0	7.51	144.1	7.20
	59	30.4	180.8	8.84	170.9	8.24	162.2	7.70	157.9	7.40	151.0	6.78	144.1	6.55
		38.1	180.8	8.76	170.9	8.18	162.2	7.62	157.9	7.33	151.0	6.78	144.1	6.48
		76.1	180.8	8.47	170.9	7.92	162.2	7.33	157.9	7.07	151.0	6.78	144.1	6.22
		95.1	180.8	8.47	170.9	7.92	162.2	7.33	157.9	7.07	151.0	6.48	144.1	6.22
		114.2	180.8	8.47	170.9	7.92	162.2	7.33	157.9	7.07	151.0	6.34	144.1	6.22
	68	30.4	180.8	7.70	170.9	7.14	162.2	6.85	157.9	6.55	151.0	6.29	144.1	5.64
		38.1	180.8	7.62	170.9	7.07	162.2	6.78	157.9	6.48	151.0	6.22	144.1	5.64
		76.1	180.8	7.33	170.9	6.78	162.2	6.48	157.9	6.22	151.0	5.93	144.1	5.64
		95.1	180.8	7.33	170.9	6.78	162.2	6.48	157.9	6.22	151.0	5.93	144.1	5.64
		114.2	180.8	7.33	170.9	6.78	162.2	6.48	157.9	6.22	151.0	5.93	144.1	5.64
	77	30.4	180.8	6.85	170.9	6.22	162.2	6.00	157.9	5.64	151.0	5.37	144.1	5.08
		38.1	180.8	6.78	170.9	6.22	162.2	5.93	157.9	5.64	151.0	5.37	144.1	5.08
		76.1	180.8	6.48	170.9	6.22	162.2	5.64	157.9	5.64	151.0	5.37	144.1	5.08
		95.1	180.8	6.48	170.9	6.22	162.2	5.64	157.9	5.64	151.0	5.37	144.1	5.08
		114.2	180.8	6.48	170.9	6.22	162.2	5.64	157.9	5.64	151.0	5.37	144.1	5.08
	86	30.4	180.8	6.29	170.9	5.70	162.2	5.45	157.9	5.08	151.0	5.16	144.1	4.86
		38.1	180.8	6.22	170.9	5.64	162.2	5.37	157.9	5.08	151.0	5.08	144.1	4.79
		76.1	180.8	5.93	170.9	5.37	162.2	5.08	157.9	5.08	151.0	4.79	144.1	4.53
		95.1	180.8	5.93	170.9	5.37	162.2	5.08	157.9	5.08	151.0	4.79	144.1	4.53
		114.2	180.8	5.93	170.9	5.37	162.2	5.08	157.9	5.08	151.0	4.79	144.1	4.53
	95	30.4	180.8	5.70	170.9	5.08	162.2	4.79	157.9	4.86	151.0	4.53	144.1	4.24
		38.1	180.8	5.64	170.9	5.08	162.2	4.79	157.9	4.79	151.0	4.53	144.1	4.24
		76.1	180.8	5.37	170.9	5.08	162.2	4.79	157.9	4.53	151.0	4.53	144.1	4.24
		95.1	180.8	5.37	170.9	5.08	162.2	4.79	157.9	4.53	151.0	4.53	144.1	4.24
		114.2	180.8	5.37	170.9	5.08	162.2	4.79	157.9	4.53	151.0	4.53	144.1	4.24
	104	30.4	180.8	5.16	170.9	4.86	162.2	4.60	157.9	4.24	151.0	4.31	144.1	3.94
		38.1	180.8	5.08	170.9	4.79	162.2	4.53	157.9	4.24	151.0	4.24	144.1	3.94
		76.1	180.8	4.79	170.9	4.53	162.2	4.24	157.9	4.24	151.0	3.94	144.1	3.94
		95.1	180.8	4.79	170.9	4.53	162.2	4.24	157.9	4.24	151.0	3.94	144.1	3.94
		114.2	180.8	4.79	170.9	4.53	162.2	4.24	157.9	4.24	151.0	3.94	144.1	3.94
	113	30.4	180.8	4.60	170.9	4.67	162.2	4.38	157.9	3.61	151.0	4.08	144.1	3.68
		38.1	180.8	4.53	170.9	4.53	162.2	4.24	157.9	3.68	151.0	3.94	144.1	3.68
		76.1	180.8	4.24	170.9	3.94	162.2	3.68	157.9	3.94	151.0	3.39	144.1	3.68
		95.1	180.8	4.24	170.9	3.94	162.2	3.68	157.9	3.94	151.0	3.39	144.1	3.68
		114.2	180.8	4.24	170.9	3.94	162.2	3.68	157.9	3.94	151.0	3.39	144.1	3.68

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	36.6	178.8	21.09	177.5	19.86	176.5	18.49	174.1	17.94	176.1	17.47	171.3	15.67
		45.7	185.0	21.46	183.5	20.24	182.5	18.89	180.0	18.33	182.1	17.85	177.2	16.01
		91.4	209.2	22.92	207.5	21.77	206.4	20.49	203.6	19.90	206.1	19.34	200.8	17.36
		114.3	231.4	24.38	229.3	23.27	227.9	22.08	225.0	21.49	227.9	20.87	221.9	18.72
		137.1	242.5	25.11	240.2	24.02	238.7	22.89	235.9	22.30	238.8	21.64	232.5	19.40
	32	36.6	319.4	28.85	312.2	27.99	305.5	27.08	298.9	26.31	299.9	25.59	286.2	22.92
		45.7	321.4	28.93	314.0	28.06	307.3	27.15	300.6	26.39	301.7	25.66	288.0	22.99
		91.4	329.1	29.24	321.0	28.33	314.4	27.47	307.7	26.70	308.7	25.94	295.0	23.27
		114.3	334.0	29.24	326.0	28.33	319.3	27.47	312.2	26.70	313.3	25.94	299.2	23.27
		137.1	336.5	29.24	328.4	28.33	321.8	27.47	314.5	26.70	315.6	25.94	301.4	23.27
	41	36.6	460.1	31.01	453.2	30.24	443.7	29.47	432.5	28.64	420.9	27.85	397.7	24.94
		45.7	461.7	31.15	454.0	30.38	443.8	29.62	432.5	28.79	420.9	27.99	397.7	25.07
		91.4	468.0	31.70	457.1	30.94	444.1	30.21	432.5	29.38	420.9	28.54	397.7	25.59
		114.3	470.8	31.91	458.5	31.15	444.1	30.42	432.5	29.58	420.9	28.75	397.7	25.77
		137.1	472.2	32.02	459.2	31.25	444.1	30.52	432.5	29.69	420.9	28.86	397.7	25.85
	50	36.6	460.7	28.21	453.2	27.27	442.3	26.75	430.7	26.16	419.3	25.26	396.1	22.80
		45.7	463.4	28.16	455.4	27.29	444.1	26.81	432.5	26.15	420.9	25.24	397.7	22.78
		91.4	474.3	27.95	463.8	27.40	451.1	27.02	439.5	26.11	427.2	25.18	404.0	22.71
		114.3	476.8	28.33	467.0	27.78	454.0	27.12	441.6	26.22	430.0	25.59	406.5	23.79
		137.1	478.0	28.53	468.6	27.97	455.4	27.17	442.7	26.27	431.5	25.80	407.7	24.33
	59	36.6	461.4	25.43	453.3	24.34	440.6	24.08	428.9	23.68	417.7	22.68	394.5	20.66
		45.7	465.2	25.18	456.8	24.24	444.1	24.03	432.5	23.51	420.9	22.50	397.7	20.49
		91.4	480.3	24.17	470.5	23.82	458.2	23.82	446.6	22.81	433.6	21.81	410.3	19.79
		114.3	482.8	24.76	475.0	24.38	463.8	23.82	451.1	22.81	439.5	22.43	415.3	21.81
		137.1	484.0	25.06	477.4	24.66	466.6	23.82	453.4	22.81	442.5	22.75	417.8	22.82
	68	36.6	479.0	23.33	470.2	22.24	457.8	21.75	445.1	21.06	432.2	20.59	406.5	19.96
		45.7	482.8	23.16	474.0	22.22	461.3	21.74	448.7	21.15	436.0	20.73	410.3	19.79
		91.4	497.9	22.50	489.1	22.15	475.4	21.67	462.7	21.49	451.1	21.29	425.5	19.13
		114.3	500.0	22.50	492.6	22.15	481.0	21.81	467.3	21.49	454.7	21.29	429.0	20.35
		137.1	501.1	22.50	494.4	22.15	483.9	21.88	469.6	21.49	456.4	21.29	430.8	20.96
	77	36.6	505.6	22.24	492.6	21.60	481.0	21.23	471.9	20.88	461.3	20.57	435.0	19.22
		45.7	505.6	22.15	492.6	21.56	481.0	21.15	471.9	20.80	461.3	20.49	435.0	19.13
		91.4	505.6	21.81	492.6	21.42	481.0	20.80	471.9	20.49	461.3	20.14	435.0	18.79
		114.3	505.6	21.49	492.6	20.87	481.0	20.49	471.9	20.14	461.3	19.79	435.0	18.47
		137.1	505.6	21.34	492.6	20.59	481.0	20.33	471.9	19.97	461.3	19.62	435.0	18.32
	86	36.6	505.6	21.67	492.6	20.59	481.0	20.40	471.9	19.87	461.3	19.66	435.0	18.29
		45.7	505.6	21.49	492.6	20.56	481.0	20.28	471.9	19.79	461.3	19.48	435.0	18.13
		91.4	505.6	20.80	492.6	20.42	481.0	19.79	471.9	19.48	461.3	18.79	435.0	17.47
		114.3	505.6	20.49	492.6	19.86	481.0	19.48	471.9	19.13	461.3	18.79	435.0	17.47
		137.1	505.6	20.33	492.6	19.58	481.0	19.32	471.9	18.96	461.3	18.79	435.0	17.47
	95	36.6	505.6	20.66	492.6	19.98	481.0	19.57	471.9	18.86	461.3	18.21	435.0	16.94
		45.7	505.6	20.49	492.6	19.86	481.0	19.48	471.9	18.79	461.3	18.13	435.0	16.77
		91.4	505.6	19.79	492.6	19.41	481.0	19.13	471.9	18.47	461.3	17.78	435.0	16.11
		114.3	505.6	19.79	492.6	19.20	481.0	18.79	471.9	18.13	461.3	17.47	435.0	16.11
		137.1	505.6	19.79	492.6	19.10	481.0	18.61	471.9	17.95	461.3	17.31	435.0	16.11
	104	36.6	505.6	19.96	492.6	19.33	481.0	18.95	471.9	18.29	461.3	17.64	435.0	15.93
		45.7	505.6	19.79	492.6	19.20	481.0	18.79	471.9	18.13	461.3	17.47	435.0	15.76
		91.4	505.6	19.13	492.6	18.72	481.0	18.13	471.9	17.47	461.3	16.77	435.0	15.11
		114.3	505.6	18.79	492.6	18.40	481.0	18.13	471.9	17.47	461.3	16.77	435.0	15.11
		137.1	505.6	18.61	492.6	18.25	481.0	18.13	471.9	17.47	461.3	16.77	435.0	15.11
	113	36.6	505.6	19.30	492.6	18.67	481.0	18.38	471.9	17.72	461.3	17.03	435.0	14.92
		45.7	505.6	19.13	492.6	18.54	481.0	18.13	471.9	17.47	461.3	16.77	435.0	14.76
		91.4	505.6	18.47	492.6	18.06	481.0	17.12	471.9	16.46	461.3	15.76	435.0	14.10
		114.3	505.6	17.78	492.6	17.61	481.0	17.47	471.9	16.77	461.3	16.11	435.0	14.10
		137.1	505.6	17.43	492.6	17.38	481.0	17.64	471.9	16.93	461.3	16.29	435.0	14.10

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN336DAS4, ARWB336DAS4
336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Cooling Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	36.6	170.0	21.09	168.6	19.86	167.6	18.49	165.6	17.71	166.9	17.19	162.5	15.39
		45.7	175.8	21.46	174.4	20.24	173.4	18.89	171.2	18.09	172.6	17.57	168.1	15.73
		91.4	199.0	22.92	197.3	21.77	196.2	20.49	193.7	19.62	195.5	19.06	190.2	17.08
		114.3	219.8	24.38	218.0	23.27	216.6	22.08	214.1	21.18	215.9	20.56	209.9	18.40
		137.1	230.2	25.11	228.5	24.02	226.9	22.89	224.4	21.97	226.2	21.31	219.8	19.07
	32	36.6	303.8	28.85	296.4	27.99	290.1	27.08	284.2	25.93	284.2	25.21	271.2	22.54
		45.7	305.6	28.93	298.2	28.06	291.9	27.15	285.9	26.01	285.9	25.28	272.9	22.61
		91.4	312.6	29.24	305.2	28.33	298.9	27.47	292.6	26.32	292.6	25.56	279.5	22.88
		114.3	317.5	29.24	310.1	28.33	303.5	27.47	297.1	26.32	296.8	25.56	283.8	22.88
		137.1	320.0	29.24	312.6	28.33	305.8	27.47	299.4	26.32	298.9	25.56	285.9	22.88
	41	36.6	437.9	31.01	431.4	30.24	422.0	29.47	411.8	28.22	398.7	27.43	376.9	24.57
		45.7	439.5	31.15	432.2	30.38	422.0	29.62	411.8	28.37	398.7	27.57	376.9	24.69
		91.4	445.9	31.70	435.3	30.94	422.0	30.21	411.8	28.96	398.7	28.13	376.9	25.18
		114.3	448.3	31.91	432.9	31.15	422.0	30.42	411.8	29.17	398.7	28.33	376.9	25.35
		137.1	449.6	32.02	431.6	31.25	422.0	30.52	411.8	29.27	398.7	28.44	376.9	25.44
	50	36.6	439.6	27.86	431.4	27.08	420.8	26.54	410.6	25.73	397.7	24.88	376.0	22.37
		45.7	441.6	27.95	433.2	27.19	422.0	26.63	411.8	25.77	398.7	24.86	376.9	22.40
		91.4	449.7	28.33	440.2	27.61	426.5	27.02	416.3	25.90	403.0	24.79	380.8	22.50
		114.3	452.2	28.23	438.8	27.61	428.3	27.12	418.1	26.01	404.7	24.90	382.6	23.27
		137.1	453.4	28.18	438.1	27.61	429.2	27.17	419.0	26.06	405.6	24.95	383.5	23.65
	59	36.6	440.8	24.71	431.9	23.98	419.6	23.60	409.4	23.25	396.7	22.32	374.9	20.23
		45.7	443.4	24.76	434.6	24.03	422.0	23.65	411.8	23.16	398.7	22.15	376.9	20.14
		91.4	453.6	24.97	445.2	24.24	431.4	23.82	420.9	22.81	406.8	21.49	385.0	19.79
		114.3	456.1	24.58	444.8	24.03	435.0	23.82	424.4	22.81	410.3	21.49	388.5	21.15
		137.1	457.3	24.39	444.6	23.92	436.7	23.82	426.2	22.81	412.1	21.49	390.3	21.83
	68	36.6	453.1	22.22	444.6	21.28	431.2	20.71	419.3	20.41	405.7	20.16	383.8	19.13
		45.7	456.1	22.22	447.3	21.36	433.6	20.80	422.0	20.49	408.2	20.14	386.1	19.06
		91.4	467.7	22.22	457.8	21.67	443.1	21.15	432.5	20.80	418.4	20.07	395.2	18.79
		114.3	469.8	22.02	457.5	21.49	446.6	21.15	435.0	20.80	420.9	20.14	397.7	19.48
		137.1	470.8	21.91	457.3	21.41	448.3	21.15	436.2	20.80	422.1	20.17	398.9	19.83
	77	36.6	475.1	21.02	461.3	20.04	446.6	19.65	437.1	19.22	425.5	18.86	402.3	17.55
		45.7	475.4	20.94	461.3	20.00	446.6	19.62	437.1	19.13	425.5	18.79	402.3	17.47
		91.4	476.5	20.63	461.3	19.86	446.6	19.48	437.1	18.79	425.5	18.47	402.3	17.12
		114.3	477.9	19.86	461.3	19.34	446.6	19.13	437.1	18.79	425.5	18.13	402.3	17.12
		137.1	478.6	19.48	461.3	19.08	446.6	18.96	437.1	18.79	425.5	17.95	402.3	17.12
	86	36.6	477.9	20.10	461.3	19.11	446.6	18.56	437.1	17.86	425.5	17.64	402.3	16.20
		45.7	477.9	19.93	461.3	18.99	446.6	18.47	437.1	17.78	425.5	17.47	402.3	16.11
		91.4	477.9	19.27	461.3	18.54	446.6	18.13	437.1	17.47	425.5	16.77	402.3	15.76
		114.3	477.9	18.65	461.3	18.13	446.6	17.78	437.1	17.47	425.5	16.77	402.3	15.45
		137.1	477.9	18.33	461.3	17.92	446.6	17.60	437.1	17.47	425.5	16.77	402.3	15.29
	95	36.6	477.9	19.20	461.3	18.15	446.6	17.64	437.1	16.94	425.5	16.28	402.3	14.84
		45.7	477.9	18.92	461.3	17.99	446.6	17.47	437.1	16.77	425.5	16.11	402.3	14.76
		91.4	477.9	17.85	461.3	17.33	446.6	16.77	437.1	16.11	425.5	15.45	402.3	14.45
		114.3	477.9	17.64	461.3	17.19	446.6	16.77	437.1	16.11	425.5	15.45	402.3	14.10
		137.1	477.9	17.53	461.3	17.12	446.6	16.77	437.1	16.11	425.5	15.45	402.3	13.92
	104	36.6	477.9	18.62	461.3	17.32	446.6	16.63	437.1	15.93	425.5	15.27	402.3	13.83
		45.7	477.9	18.26	461.3	17.12	446.6	16.46	437.1	15.76	425.5	15.11	402.3	13.75
		91.4	477.9	16.84	461.3	16.32	446.6	15.76	437.1	15.11	425.5	14.45	402.3	13.44
		114.3	477.9	16.63	461.3	16.11	446.6	15.76	437.1	15.11	425.5	14.45	402.3	13.09
		137.1	477.9	16.53	461.3	16.01	446.6	15.76	437.1	15.11	425.5	14.45	402.3	12.92
	113	36.6	477.9	18.05	461.3	16.49	446.6	15.63	437.1	14.92	425.5	14.26	402.3	12.82
		45.7	477.9	17.61	461.3	16.25	446.6	15.45	437.1	14.76	425.5	14.10	402.3	12.74
		91.4	477.9	15.83	461.3	15.31	446.6	14.76	437.1	14.10	425.5	13.44	402.3	12.43
		114.3	477.9	15.63	461.3	15.04	446.6	14.76	437.1	14.10	425.5	13.44	402.3	12.08
		137.1	477.9	15.52	461.3	14.90	446.6	14.76	437.1	14.10	425.5	13.44	402.3	11.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN336DAS4, ARWB336DAS4
336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	36.6	160.8	21.37	159.8	19.86	158.7	18.49	157.0	17.71	157.5	17.19	154.0	15.39
		45.7	166.3	21.74	165.3	20.24	164.2	18.89	162.5	18.09	162.8	17.57	159.3	15.73
		91.4	188.1	23.20	187.1	21.77	186.0	20.49	183.9	19.62	183.9	19.06	180.4	17.08
		114.3	207.8	24.69	206.4	23.27	205.4	22.08	203.2	21.18	203.2	20.56	199.0	18.40
		137.1	217.7	25.44	216.2	24.02	215.1	22.89	213.0	21.97	213.0	21.31	208.4	19.07
	32	36.6	287.4	29.24	281.0	27.99	275.1	27.08	269.9	25.93	267.4	25.21	257.3	22.54
		45.7	289.0	29.31	282.7	28.06	276.7	27.15	271.5	26.01	269.0	25.28	258.8	22.61
		91.4	295.7	29.58	289.4	28.33	283.1	27.47	277.8	26.32	275.3	25.56	264.8	22.88
		114.3	300.3	29.58	294.0	28.33	287.6	27.47	282.0	26.32	279.5	25.56	268.6	22.88
		137.1	302.6	29.58	296.3	28.33	289.9	27.47	284.1	26.32	281.7	25.56	270.6	22.88
	41	36.6	419.1	31.42	409.2	30.24	399.7	29.47	390.7	28.22	375.5	27.43	357.3	24.57
		45.7	420.5	31.56	410.0	30.38	399.8	29.62	390.7	28.37	375.5	27.57	357.3	24.69
		91.4	426.2	32.12	413.2	30.94	400.2	30.21	390.7	28.96	375.5	28.13	357.3	25.18
		114.3	428.6	32.33	414.2	31.15	400.2	30.42	390.7	29.17	375.5	28.33	357.3	25.35
		137.1	429.9	32.43	414.7	31.25	400.2	30.52	390.7	29.27	375.5	28.44	357.3	25.44
	50	36.6	420.7	28.18	410.3	27.21	399.2	26.62	390.0	25.73	374.9	24.88	356.8	22.37
		45.7	422.3	28.23	411.4	27.29	399.8	26.70	390.7	25.77	375.5	24.86	357.3	22.40
		91.4	428.6	28.44	415.6	27.61	402.3	27.02	393.1	25.90	378.0	24.79	359.0	22.50
		114.3	431.1	28.44	417.4	27.61	403.7	26.95	393.8	25.83	378.7	24.90	360.1	22.74
		137.1	432.3	28.44	418.3	27.61	404.4	26.91	394.2	25.80	379.1	24.95	360.6	22.87
	59	36.6	421.9	24.93	410.9	24.24	399.0	23.82	389.5	23.25	374.3	22.32	356.4	20.23
		45.7	423.7	24.90	412.5	24.24	400.2	23.82	390.7	23.16	375.5	22.15	357.3	20.14
		91.4	430.7	24.76	418.4	24.24	404.7	23.82	395.2	22.81	380.5	21.49	360.8	19.79
		114.3	433.2	24.58	420.5	24.03	406.8	23.51	396.6	22.50	381.5	21.49	362.9	20.14
		137.1	434.4	24.50	421.6	23.92	407.9	23.35	397.3	22.34	382.0	21.49	363.9	20.31
	68	36.6	429.8	21.52	418.1	21.01	404.6	20.49	393.7	20.14	379.3	19.57	359.3	18.30
		45.7	432.2	21.56	419.5	21.01	405.8	20.49	395.2	20.14	380.5	19.48	360.8	18.26
		91.4	441.3	21.74	425.1	21.01	410.3	20.49	401.2	20.14	385.0	19.13	366.4	18.13
		114.3	443.8	21.74	428.6	21.01	412.8	20.49	402.3	19.79	387.1	19.13	367.5	18.13
		137.1	445.0	21.74	430.4	21.01	414.1	20.49	402.8	19.62	388.2	19.13	368.0	18.13
	77	36.6	443.2	19.58	430.0	18.86	412.8	18.56	403.7	17.86	389.6	17.21	368.9	15.76
		45.7	444.1	19.55	430.0	18.79	412.8	18.47	403.7	17.78	389.6	17.12	368.9	15.76
		91.4	447.6	19.41	430.0	18.47	412.8	18.13	403.7	17.47	389.6	16.77	368.9	15.76
		114.3	449.7	19.41	430.0	18.54	412.8	17.78	403.7	17.47	389.6	16.46	368.9	15.45
		137.1	450.8	19.41	430.0	18.58	412.8	17.60	403.7	17.47	389.6	16.30	368.9	15.29
	86	36.6	449.7	17.86	430.0	17.21	412.8	16.55	403.7	16.20	389.6	15.19	368.9	14.19
		45.7	449.7	17.78	430.0	17.12	412.8	16.46	403.7	16.11	389.6	15.11	368.9	14.10
		91.4	449.7	17.47	430.0	16.77	412.8	16.11	403.7	15.76	389.6	14.76	368.9	13.75
		114.3	449.7	17.33	430.0	16.46	412.8	15.76	403.7	15.45	389.6	14.76	368.9	13.75
		137.1	449.7	17.26	430.0	16.30	412.8	15.59	403.7	15.29	389.6	14.76	368.9	13.75
	95	36.6	449.7	16.94	430.0	15.84	412.8	15.19	403.7	14.53	389.6	13.83	368.9	12.82
		45.7	449.7	16.77	430.0	15.76	412.8	15.11	403.7	14.45	389.6	13.75	368.9	12.74
		91.4	449.7	16.11	430.0	15.45	412.8	14.76	403.7	14.10	389.6	13.44	368.9	12.43
		114.3	449.7	15.70	430.0	15.11	412.8	14.45	403.7	14.10	389.6	13.44	368.9	12.43
		137.1	449.7	15.49	430.0	14.93	412.8	14.29	403.7	14.10	389.6	13.44	368.9	12.43
	104	36.6	449.7	15.93	430.0	15.27	412.8	14.26	403.7	13.53	389.6	12.82	368.9	11.82
		45.7	449.7	15.76	430.0	15.11	412.8	14.10	403.7	13.44	389.6	12.74	368.9	11.74
		91.4	449.7	15.11	430.0	14.45	412.8	13.44	403.7	13.09	389.6	12.43	368.9	11.42
		114.3	449.7	14.90	430.0	14.10	412.8	13.44	403.7	12.74	389.6	12.08	368.9	11.08
		137.1	449.7	14.79	430.0	13.92	412.8	13.44	403.7	12.57	389.6	11.91	368.9	10.90
	113	36.6	449.7	14.92	430.0	14.70	412.8	13.35	403.7	12.52	389.6	11.82	368.9	10.81
		45.7	449.7	14.76	430.0	14.45	412.8	13.09	403.7	12.43	389.6	11.74	368.9	10.73
		91.4	449.7	14.10	430.0	13.44	412.8	12.08	403.7	12.08	389.6	11.42	368.9	10.42
		114.3	449.7	14.10	430.0	13.09	412.8	12.43	403.7	11.42	389.6	10.73	368.9	9.72
		137.1	449.7	14.10	430.0	12.92	412.8	12.61	403.7	11.09	389.6	10.38	368.9	9.37

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN336DAS4, ARWB336DAS4
336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	36.6	151.9	21.37	150.9	20.14	150.3	18.49	149.0	17.71	147.5	16.92	144.7	15.39
		45.7	157.2	21.74	156.1	20.52	155.4	18.89	154.0	18.09	152.6	17.29	149.8	15.73
		91.4	177.9	23.20	176.9	22.05	175.8	20.49	174.1	19.62	172.6	18.79	169.8	17.08
		114.3	196.6	24.69	195.2	23.58	194.1	22.08	192.3	21.18	190.9	20.24	187.4	18.40
		137.1	206.0	25.44	204.4	24.35	203.3	22.89	201.6	21.97	200.1	20.98	196.3	19.07
	32	36.6	271.6	29.24	265.6	28.37	260.1	27.08	255.5	25.93	251.0	24.83	242.3	22.54
		45.7	273.2	29.31	267.2	28.44	261.6	27.15	257.0	26.01	252.5	24.90	243.7	22.61
		91.4	279.5	29.58	273.6	28.72	267.6	27.47	263.0	26.32	258.4	25.18	249.3	22.88
		114.3	283.8	29.58	277.8	28.72	271.8	27.47	266.9	26.32	262.3	25.18	253.2	22.88
		137.1	285.9	29.58	279.9	28.72	273.9	27.47	268.8	26.32	264.3	25.18	255.1	22.88
	41	36.6	400.8	31.42	387.5	30.66	377.6	29.47	369.9	28.22	352.3	27.01	336.2	24.57
		45.7	402.3	31.56	388.2	30.80	377.6	29.62	369.9	28.37	352.3	27.15	336.2	24.69
		91.4	407.9	32.12	391.0	31.36	378.0	30.21	369.9	28.96	352.3	27.71	336.2	25.18
		114.3	410.3	32.33	392.1	31.56	378.0	30.42	369.9	29.17	352.3	27.88	336.2	25.35
		137.1	411.6	32.43	392.6	31.67	378.0	30.52	369.9	29.27	352.3	27.97	336.2	25.44
	50	36.6	403.0	28.10	388.7	27.48	378.0	26.62	369.9	25.73	352.3	24.45	336.2	22.37
		45.7	404.0	28.23	389.3	27.57	378.0	26.70	369.9	25.77	352.3	24.48	336.2	22.40
		91.4	407.9	28.75	391.4	27.92	378.0	27.02	369.9	25.90	352.3	24.58	336.2	22.50
		114.3	410.7	28.65	393.1	27.92	378.0	26.95	369.9	25.83	352.3	24.52	336.2	22.40
		137.1	412.1	28.59	394.0	27.92	378.0	26.91	369.9	25.80	352.3	24.48	336.2	22.34
	59	36.6	405.2	24.77	390.4	24.36	378.0	23.82	369.9	23.25	352.3	21.89	336.2	20.23
		45.7	405.8	24.90	390.7	24.38	378.0	23.82	369.9	23.16	352.3	21.81	336.2	20.14
		91.4	407.9	25.38	391.7	24.45	378.0	23.82	369.9	22.81	352.3	21.49	336.2	19.79
		114.3	411.4	24.97	393.8	24.24	378.0	23.51	369.9	22.50	352.3	21.15	336.2	19.48
		137.1	413.2	24.76	394.9	24.13	378.0	23.35	369.9	22.34	352.3	20.97	336.2	19.32
	68	36.6	407.4	21.19	392.5	20.64	378.0	20.14	369.9	19.87	352.3	18.56	336.2	17.64
		45.7	408.9	21.29	392.8	20.66	378.0	20.14	369.9	19.79	352.3	18.47	336.2	17.47
		91.4	414.9	21.67	393.8	20.73	378.0	20.14	369.9	19.48	352.3	18.13	336.2	16.77
		114.3	417.4	21.29	397.3	20.56	378.0	19.79	369.9	19.13	352.3	17.78	336.2	16.46
		137.1	418.6	21.09	399.1	20.47	378.0	19.62	369.9	18.96	352.3	17.60	336.2	16.30
	77	36.6	412.4	18.53	398.7	17.94	378.0	17.21	369.9	16.55	352.3	15.54	336.2	14.10
		45.7	413.9	18.54	398.7	17.85	378.0	17.12	369.9	16.46	352.3	15.45	336.2	14.10
		91.4	419.8	18.61	398.7	17.47	378.0	16.77	369.9	16.11	352.3	15.11	336.2	14.10
		114.3	422.0	18.20	398.7	17.33	378.0	16.46	369.9	15.76	352.3	15.11	336.2	13.75
		137.1	423.0	17.99	398.7	17.26	378.0	16.30	369.9	15.59	352.3	15.11	336.2	13.58
	86	36.6	422.0	16.85	398.7	15.54	378.0	14.48	369.9	14.19	352.3	13.09	336.2	12.52
		45.7	422.0	16.77	398.7	15.45	378.0	14.45	369.9	14.10	352.3	13.09	336.2	12.43
		91.4	422.0	16.46	398.7	15.11	378.0	14.31	369.9	13.75	352.3	13.09	336.2	12.08
		114.3	422.0	16.11	398.7	15.11	378.0	14.10	369.9	13.75	352.3	12.74	336.2	12.08
		137.1	422.0	15.94	398.7	15.11	378.0	13.99	369.9	13.75	352.3	12.57	336.2	12.08
	95	36.6	422.0	15.63	398.7	14.26	378.0	12.78	369.9	12.52	352.3	11.82	336.2	10.81
		45.7	422.0	15.45	398.7	14.10	378.0	12.74	369.9	12.43	352.3	11.74	336.2	10.73
		91.4	422.0	14.76	398.7	13.44	378.0	12.60	369.9	12.08	352.3	11.42	336.2	10.42
		114.3	422.0	14.76	398.7	13.44	378.0	12.43	369.9	12.08	352.3	11.42	336.2	10.42
		137.1	422.0	14.76	398.7	13.44	378.0	12.34	369.9	12.08	352.3	11.42	336.2	10.42
	104	36.6	422.0	14.62	398.7	13.26	378.0	11.46	369.9	11.16	352.3	10.50	336.2	9.80
		45.7	422.0	14.45	398.7	13.09	378.0	11.42	369.9	11.08	352.3	10.42	336.2	9.72
		91.4	422.0	13.75	398.7	12.43	378.0	11.29	369.9	10.73	352.3	10.07	336.2	9.41
		114.3	422.0	13.44	398.7	12.43	378.0	11.08	369.9	10.73	352.3	10.07	336.2	9.41
		137.1	422.0	13.28	398.7	12.43	378.0	10.97	369.9	10.73	352.3	10.07	336.2	9.41
	113	36.6	422.0	13.61	398.7	12.25	378.0	10.11	369.9	9.80	352.3	9.15	336.2	8.79
		45.7	422.0	13.44	398.7	12.08	378.0	10.07	369.9	9.72	352.3	9.06	336.2	8.72
		91.4	422.0	12.74	398.7	11.42	378.0	9.93	369.9	9.41	352.3	8.72	336.2	8.40
		114.3	422.0	12.08	398.7	11.42	378.0	9.72	369.9	9.41	352.3	8.72	336.2	8.40
		137.1	422.0	11.75	398.7	11.42	378.0	9.62	369.9	9.41	352.3	8.72	336.2	8.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	36.6	143.4	19.83	139.0	18.06	135.0	15.87	133.9	15.12	132.9	14.57	130.6	13.08
		45.7	148.4	20.17	143.8	18.40	139.6	16.22	138.5	15.45	137.5	14.90	135.0	13.37
		91.4	168.1	21.53	162.8	19.76	157.9	17.61	156.8	16.77	155.8	16.18	152.6	14.51
		114.3	185.7	22.88	179.7	21.15	174.4	18.99	173.0	18.09	171.9	17.43	168.8	15.66
		137.1	194.5	23.57	188.2	21.85	182.7	19.69	181.2	18.76	180.1	18.06	176.9	16.24
	32	36.6	256.6	27.01	244.7	25.35	233.5	23.27	230.0	22.20	226.2	21.36	217.7	19.18
		45.7	258.1	27.08	246.1	25.42	234.9	23.33	231.4	22.26	227.5	21.42	219.1	19.24
		91.4	264.1	27.36	251.8	25.70	240.5	23.58	236.6	22.50	232.8	21.67	224.3	19.45
		114.3	267.9	27.36	255.6	25.70	244.4	23.58	240.2	22.50	236.6	21.67	227.9	19.45
		137.1	269.9	27.36	257.6	25.70	246.3	23.58	241.9	22.50	238.6	21.67	229.6	19.45
	41	36.6	362.5	29.00	350.8	27.37	339.7	25.33	332.6	24.15	317.9	23.25	302.8	20.87
		45.7	362.9	29.13	350.6	27.50	339.7	25.45	332.6	24.27	317.9	23.37	302.8	20.97
		91.4	364.3	29.65	349.5	28.02	339.7	25.94	332.6	24.76	317.9	23.86	302.8	21.39
		114.3	366.4	29.83	350.6	28.20	339.7	26.15	332.6	24.93	317.9	24.03	302.8	21.56
		137.1	367.5	29.92	351.1	28.28	339.7	26.25	332.6	25.02	317.9	24.12	302.8	21.65
	50	36.6	364.5	25.61	352.1	24.35	339.7	22.93	332.6	21.99	317.9	21.10	302.8	19.01
		45.7	364.3	25.63	351.6	24.38	339.7	22.95	332.6	22.02	317.9	21.08	302.8	19.03
		91.4	363.6	25.70	349.9	24.48	339.7	23.06	332.6	22.12	317.9	21.01	302.8	19.10
		114.3	366.0	25.63	350.9	24.41	339.7	22.99	332.6	22.05	317.9	21.08	302.8	19.17
		137.1	367.3	25.59	351.5	24.38	339.7	22.95	332.6	22.01	317.9	21.11	302.8	19.20
	59	36.6	366.3	22.17	353.3	21.37	339.7	20.57	332.6	19.87	317.9	18.95	302.8	17.21
		45.7	365.7	22.08	352.7	21.29	339.7	20.49	332.6	19.79	317.9	18.79	302.8	17.12
		91.4	363.2	21.74	350.2	20.94	339.7	20.14	332.6	19.48	317.9	18.13	302.8	16.77
		114.3	365.7	21.42	351.3	20.63	339.7	19.79	332.6	19.13	317.9	18.13	302.8	16.77
		137.1	366.9	21.27	351.8	20.47	339.7	19.62	332.6	18.96	317.9	18.13	302.8	16.77
	68	36.6	368.5	18.72	354.8	18.18	339.7	17.55	332.6	16.85	317.9	16.28	302.8	15.27
		45.7	368.2	18.72	354.1	18.13	339.7	17.47	332.6	16.77	317.9	16.11	302.8	15.11
		91.4	366.7	18.72	351.3	17.92	339.7	17.12	332.6	16.46	317.9	15.45	302.8	14.45
		114.3	367.8	18.40	352.3	17.78	339.7	17.12	332.6	16.46	317.9	15.45	302.8	14.45
		137.1	368.3	18.25	352.9	17.71	339.7	17.12	332.6	16.46	317.9	15.45	302.8	14.45
	77	36.6	374.7	16.36	359.4	15.49	339.7	14.84	332.6	14.10	317.9	13.53	302.8	12.52
		45.7	375.5	16.32	359.4	15.45	339.7	14.76	332.6	14.10	317.9	13.44	302.8	12.43
		91.4	379.1	16.18	359.4	15.31	339.7	14.45	332.6	14.10	317.9	13.09	302.8	12.08
		114.3	380.5	15.76	359.4	14.97	339.7	14.45	332.6	13.75	317.9	13.09	302.8	12.08
		137.1	381.2	15.55	359.4	14.79	339.7	14.45	332.6	13.58	317.9	13.09	302.8	12.08
	86	36.6	380.5	14.84	359.4	13.83	339.7	12.82	332.6	12.52	317.9	11.82	302.8	10.73
		45.7	380.5	14.76	359.4	13.75	339.7	12.74	332.6	12.43	317.9	11.74	302.8	10.73
		91.4	380.5	14.45	359.4	13.44	339.7	12.43	332.6	12.08	317.9	11.42	302.8	10.73
		114.3	380.5	14.10	359.4	13.09	339.7	12.43	332.6	12.08	317.9	11.42	302.8	10.42
		137.1	380.5	13.92	359.4	12.92	339.7	12.43	332.6	12.08	317.9	11.42	302.8	10.26
	95	36.6	380.5	13.53	359.4	12.52	339.7	11.51	332.6	11.16	317.9	10.50	302.8	9.80
		45.7	380.5	13.44	359.4	12.43	339.7	11.42	332.6	11.08	317.9	10.42	302.8	9.72
		91.4	380.5	13.09	359.4	12.08	339.7	11.08	332.6	10.73	317.9	10.07	302.8	9.41
		114.3	380.5	12.74	359.4	11.74	339.7	10.73	332.6	10.42	317.9	10.07	302.8	9.41
		137.1	380.5	12.57	359.4	11.56	339.7	10.55	332.6	10.26	317.9	10.07	302.8	9.41
	104	36.6	380.5	12.61	359.4	11.51	339.7	10.16	332.6	9.80	317.9	9.50	302.8	8.79
		45.7	380.5	12.43	359.4	11.42	339.7	10.07	332.6	9.72	317.9	9.41	302.8	8.72
		91.4	380.5	11.74	359.4	11.08	339.7	9.72	332.6	9.41	317.9	9.06	302.8	8.40
		114.3	380.5	11.74	359.4	11.08	339.7	9.72	332.6	9.41	317.9	9.06	302.8	8.40
		137.1	380.5	11.74	359.4	11.08	339.7	9.72	332.6	9.41	317.9	9.06	302.8	8.40
	113	36.6	380.5	11.68	359.4	10.50	339.7	8.79	332.6	8.49	317.9	8.49	302.8	7.79
		45.7	380.5	11.42	359.4	10.42	339.7	8.72	332.6	8.40	317.9	8.40	302.8	7.71
		91.4	380.5	10.42	359.4	10.07	339.7	8.40	332.6	8.06	317.9	8.06	302.8	7.40
		114.3	380.5	10.73	359.4	10.42	339.7	8.72	332.6	8.40	317.9	8.06	302.8	7.40
		137.1	380.5	10.89	359.4	10.59	339.7	8.87	332.6	8.58	317.9	8.06	302.8	7.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	36.6	135.7	14.13	127.2	13.59	120.4	13.02	119.0	12.58	118.3	11.99	115.9	11.05
		45.7	140.3	14.45	131.5	13.89	124.5	13.30	123.1	12.85	122.4	12.26	119.9	11.29
		91.4	158.6	15.70	148.7	15.07	140.7	14.41	139.2	13.92	138.5	13.30	135.7	12.22
		114.3	175.5	16.91	164.2	16.25	155.4	15.56	153.7	15.04	153.0	14.34	149.8	13.20
		137.1	184.0	17.52	172.0	16.85	162.9	16.13	160.9	15.60	160.2	14.87	156.9	13.69
	32	36.6	242.2	20.74	223.4	19.90	208.0	19.08	204.1	18.42	201.3	17.55	193.6	16.17
		45.7	243.7	20.80	224.7	19.97	209.2	19.13	205.4	18.47	202.5	17.61	194.8	16.22
		91.4	249.7	21.04	230.0	20.21	214.1	19.34	210.3	18.68	207.5	17.81	199.4	16.39
		114.3	253.2	21.04	233.5	20.21	217.7	19.34	213.4	18.68	210.6	17.81	202.5	16.39
		137.1	254.9	21.04	235.3	20.21	219.4	19.34	215.0	18.68	212.2	17.81	204.1	16.39
	41	36.6	335.1	22.55	316.2	21.70	302.3	20.72	295.7	20.03	283.1	19.11	269.0	17.58
		45.7	335.8	22.67	316.8	21.81	302.4	20.83	295.7	20.14	283.1	19.20	269.0	17.67
		91.4	338.6	23.16	319.3	22.22	302.8	21.29	295.7	20.56	283.1	19.58	269.0	18.06
		114.3	338.6	23.30	318.9	22.40	302.8	21.42	295.7	20.70	283.1	19.72	269.0	18.16
		137.1	338.6	23.37	318.7	22.48	302.8	21.49	295.7	20.77	283.1	19.79	269.0	18.21
	50	36.6	336.9	20.76	317.5	19.82	302.3	18.81	295.7	18.29	283.1	17.32	269.0	16.03
		45.7	337.2	20.73	317.9	19.79	302.4	18.82	295.7	18.30	283.1	17.33	269.0	16.04
		91.4	338.6	20.63	319.3	19.69	302.8	18.86	295.7	18.33	283.1	17.36	269.0	16.08
		114.3	338.6	20.56	318.9	19.76	302.8	18.92	295.7	18.23	283.1	17.26	269.0	15.97
		137.1	338.6	20.52	318.7	19.79	302.8	18.96	295.7	18.18	283.1	17.21	269.0	15.92
	59	36.6	338.6	18.95	318.9	17.95	302.8	16.85	295.7	16.55	283.1	15.54	269.0	14.53
		45.7	338.6	18.79	318.9	17.78	302.8	16.77	295.7	16.46	283.1	15.45	269.0	14.45
		91.4	338.6	18.13	318.9	17.12	302.8	16.46	295.7	16.11	283.1	15.11	269.0	14.10
		114.3	338.6	17.78	318.9	17.12	302.8	16.46	295.7	15.76	283.1	14.76	269.0	13.75
		137.1	338.6	17.60	318.9	17.12	302.8	16.46	295.7	15.59	283.1	14.58	269.0	13.58
	68	36.6	338.6	15.84	318.9	15.19	302.8	14.45	295.7	14.19	283.1	13.53	269.0	12.52
		45.7	338.6	15.76	318.9	15.11	302.8	14.45	295.7	14.10	283.1	13.44	269.0	12.43
		91.4	338.6	15.45	318.9	14.76	302.8	14.45	295.7	13.75	283.1	13.09	269.0	12.08
		114.3	338.6	15.11	318.9	14.45	302.8	14.10	295.7	13.75	283.1	12.74	269.0	12.08
		137.1	338.6	14.93	318.9	14.29	302.8	13.92	295.7	13.75	283.1	12.57	269.0	12.08
	77	36.6	338.6	14.19	318.9	13.18	302.8	12.43	295.7	12.17	283.1	11.51	269.0	10.81
		45.7	338.6	14.10	318.9	13.09	302.8	12.43	295.7	12.08	283.1	11.42	269.0	10.73
		91.4	338.6	13.75	318.9	12.74	302.8	12.43	295.7	11.74	283.1	11.08	269.0	10.42
		114.3	338.6	13.44	318.9	12.74	302.8	12.08	295.7	11.74	283.1	11.08	269.0	10.42
		137.1	338.6	13.28	318.9	12.74	302.8	11.91	295.7	11.74	283.1	11.08	269.0	10.42
	86	36.6	338.6	12.52	318.9	11.82	302.8	11.16	295.7	10.81	283.1	10.16	269.0	9.50
		45.7	338.6	12.43	318.9	11.74	302.8	11.08	295.7	10.73	283.1	10.07	269.0	9.41
		91.4	338.6	12.08	318.9	11.42	302.8	10.73	295.7	10.42	283.1	9.72	269.0	9.06
		114.3	338.6	12.08	318.9	11.42	302.8	10.73	295.7	10.42	283.1	9.72	269.0	9.06
		137.1	338.6	12.08	318.9	11.42	302.8	10.73	295.7	10.42	283.1	9.72	269.0	9.06
	95	36.6	338.6	11.51	318.9	10.81	302.8	9.80	295.7	9.41	283.1	9.15	269.0	8.40
		45.7	338.6	11.42	318.9	10.73	302.8	9.72	295.7	9.41	283.1	9.06	269.0	8.40
		91.4	338.6	11.08	318.9	10.42	302.8	9.41	295.7	9.41	283.1	8.72	269.0	8.40
		114.3	338.6	11.08	318.9	10.07	302.8	9.41	295.7	9.06	283.1	8.72	269.0	8.06
		137.1	338.6	11.08	318.9	9.90	302.8	9.41	295.7	8.89	283.1	8.72	269.0	7.88
	104	36.6	338.6	10.90	318.9	9.80	302.8	8.72	295.7	8.79	283.1	8.06	269.0	7.79
		45.7	338.6	10.73	318.9	9.72	302.8	8.72	295.7	8.72	283.1	8.06	269.0	7.71
		91.4	338.6	10.07	318.9	9.41	302.8	8.72	295.7	8.40	283.1	8.06	269.0	7.40
		114.3	338.6	10.07	318.9	9.41	302.8	8.40	295.7	8.40	283.1	8.06	269.0	7.40
		137.1	338.6	10.07	318.9	9.41	302.8	8.25	295.7	8.40	283.1	8.06	269.0	7.40
	113	36.6	338.6	10.32	318.9	8.79	302.8	7.62	295.7	8.22	283.1	6.96	269.0	7.22
		45.7	338.6	10.07	318.9	8.72	302.8	7.71	295.7	8.06	283.1	7.05	269.0	7.05
		91.4	338.6	9.06	318.9	8.40	302.8	8.06	295.7	7.40	283.1	7.40	269.0	6.39
		114.3	338.6	9.06	318.9	8.72	302.8	7.40	295.7	7.71	283.1	7.40	269.0	6.70
		137.1	338.6	9.06	318.9	8.87	302.8	7.06	295.7	7.87	283.1	7.40	269.0	6.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	36.6	118.3	12.13	111.2	11.55	105.1	11.18	104.0	10.54	103.3	10.16	101.7	9.24
		45.7	122.4	12.40	115.0	11.81	108.7	11.42	107.6	10.76	106.9	10.38	105.1	9.44
		91.4	138.5	13.44	130.1	12.81	122.7	12.40	121.7	11.67	121.0	11.25	118.9	10.24
		114.3	153.3	14.51	143.8	13.82	135.7	13.37	134.7	12.57	133.6	12.15	131.2	11.04
		137.1	160.8	15.06	150.7	14.33	142.3	13.86	141.2	13.03	140.0	12.61	137.4	11.44
	32	36.6	211.8	17.76	195.8	16.94	181.8	16.37	178.6	15.41	175.8	14.89	169.6	13.54
		45.7	213.1	17.81	196.9	16.98	182.8	16.42	179.7	15.45	176.9	14.93	170.5	13.58
		91.4	218.0	18.02	201.5	17.15	187.1	16.63	183.9	15.63	181.1	15.11	174.4	13.72
		114.3	221.2	18.02	204.6	17.15	189.9	16.63	186.7	15.63	183.9	15.11	177.2	13.72
		137.1	222.8	18.02	206.2	17.15	191.3	16.63	188.1	15.63	185.3	15.11	178.6	13.72
	41	36.6	292.6	19.35	277.3	18.41	264.0	17.82	258.4	16.80	246.8	16.20	235.2	14.71
		45.7	293.3	19.45	277.8	18.51	264.1	17.92	258.4	16.88	246.8	16.29	235.2	14.79
		91.4	295.7	19.83	279.9	18.89	264.4	18.30	258.4	17.19	246.8	16.63	235.2	15.11
		114.3	295.7	19.97	279.5	19.03	264.4	18.44	258.4	17.33	246.8	16.74	235.2	15.21
		137.1	295.7	20.04	279.4	19.10	264.4	18.51	258.4	17.40	246.8	16.79	235.2	15.26
	50	36.6	294.0	17.81	278.2	16.84	264.4	16.22	258.4	15.31	246.8	14.69	235.2	13.44
		45.7	294.3	17.78	278.5	16.81	264.4	16.18	258.4	15.31	246.8	14.69	235.2	13.44
		91.4	295.7	17.64	279.5	16.67	264.4	16.04	258.4	15.31	246.8	14.69	235.2	13.44
		114.3	295.7	17.71	279.5	16.74	264.4	16.11	258.4	15.38	246.8	14.58	235.2	13.47
		137.1	295.7	17.74	279.5	16.77	264.4	16.15	258.4	15.42	246.8	14.53	235.2	13.49
	59	36.6	295.7	16.28	279.5	15.27	264.4	14.62	258.4	13.83	246.8	13.18	235.2	12.17
		45.7	295.7	16.11	279.5	15.11	264.4	14.45	258.4	13.75	246.8	13.09	235.2	12.08
		91.4	295.7	15.45	279.5	14.45	264.4	13.75	258.4	13.44	246.8	12.74	235.2	11.74
		114.3	295.7	15.45	279.5	14.45	264.4	13.75	258.4	13.44	246.8	12.43	235.2	11.74
		137.1	295.7	15.45	279.5	14.45	264.4	13.75	258.4	13.44	246.8	12.27	235.2	11.74
	68	36.6	295.7	13.53	279.5	12.82	264.4	12.52	258.4	12.17	246.8	11.51	235.2	10.81
		45.7	295.7	13.44	279.5	12.74	264.4	12.43	258.4	12.08	246.8	11.42	235.2	10.73
		91.4	295.7	13.09	279.5	12.43	264.4	12.08	258.4	11.74	246.8	11.08	235.2	10.42
		114.3	295.7	13.09	279.5	12.43	264.4	12.08	258.4	11.42	246.8	11.08	235.2	10.07
		137.1	295.7	13.09	279.5	12.43	264.4	12.08	258.4	11.27	246.8	11.08	235.2	9.90
	77	36.6	295.7	12.17	279.5	11.51	264.4	10.81	258.4	10.50	246.8	9.72	235.2	9.06
		45.7	295.7	12.08	279.5	11.42	264.4	10.73	258.4	10.42	246.8	9.72	235.2	9.06
		91.4	295.7	11.74	279.5	11.08	264.4	10.42	258.4	10.07	246.8	9.72	235.2	9.06
		114.3	295.7	11.42	279.5	10.73	264.4	10.42	258.4	10.07	246.8	9.41	235.2	9.06
		137.1	295.7	11.27	279.5	10.55	264.4	10.42	258.4	10.07	246.8	9.25	235.2	9.06
	86	36.6	295.7	10.81	279.5	10.16	264.4	9.50	258.4	9.06	246.8	8.79	235.2	8.06
		45.7	295.7	10.73	279.5	10.07	264.4	9.41	258.4	9.06	246.8	8.72	235.2	8.06
		91.4	295.7	10.42	279.5	9.72	264.4	9.06	258.4	9.06	246.8	8.40	235.2	8.06
		114.3	295.7	10.42	279.5	9.72	264.4	9.06	258.4	8.72	246.8	8.40	235.2	8.06
		137.1	295.7	10.42	279.5	9.72	264.4	9.06	258.4	8.54	246.8	8.40	235.2	8.06
	95	36.6	295.7	9.80	279.5	9.15	264.4	8.40	258.4	8.49	246.8	7.71	235.2	7.48
		45.7	295.7	9.72	279.5	9.06	264.4	8.40	258.4	8.40	246.8	7.71	235.2	7.40
		91.4	295.7	9.41	279.5	8.72	264.4	8.40	258.4	8.06	246.8	7.71	235.2	7.05
		114.3	295.7	9.41	279.5	8.72	264.4	8.06	258.4	8.06	246.8	7.71	235.2	7.05
		137.1	295.7	9.41	279.5	8.72	264.4	7.88	258.4	8.06	246.8	7.71	235.2	7.05
	104	36.6	295.7	9.15	279.5	8.49	264.4	7.79	258.4	7.40	246.8	7.05	235.2	6.78
		45.7	295.7	9.06	279.5	8.40	264.4	7.71	258.4	7.40	246.8	7.05	235.2	6.70
		91.4	295.7	8.72	279.5	8.06	264.4	7.40	258.4	7.40	246.8	7.05	235.2	6.39
		114.3	295.7	8.72	279.5	8.06	264.4	7.40	258.4	7.05	246.8	6.70	235.2	6.39
		137.1	295.7	8.72	279.5	8.06	264.4	7.40	258.4	6.87	246.8	6.53	235.2	6.39
	113	36.6	295.7	8.49	279.5	7.79	264.4	7.22	258.4	6.31	246.8	6.39	235.2	6.13
		45.7	295.7	8.40	279.5	7.71	264.4	7.05	258.4	6.39	246.8	6.39	235.2	6.04
		91.4	295.7	8.06	279.5	7.40	264.4	6.39	258.4	6.70	246.8	6.39	235.2	5.69
		114.3	295.7	8.06	279.5	7.40	264.4	6.70	258.4	6.04	246.8	5.69	235.2	5.69
		137.1	295.7	8.06	279.5	7.40	264.4	6.86	258.4	5.71	246.8	5.34	235.2	5.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	36.6	101.6	9.85	95.2	9.48	90.1	9.10	89.0	8.46	88.7	8.32	87.0	7.44
		45.7	105.1	10.07	98.5	9.69	93.2	9.31	92.1	8.65	91.8	8.51	90.0	7.60
		91.4	119.2	10.94	111.5	10.52	105.5	10.10	104.4	9.38	104.1	9.24	102.0	8.26
		114.3	131.5	11.77	123.1	11.35	116.7	10.90	115.3	10.14	115.0	9.97	112.5	8.89
		137.1	137.7	12.19	128.9	11.77	122.4	11.31	120.8	10.52	120.5	10.33	117.8	9.20
	32	36.6	181.8	14.44	167.5	13.92	156.2	13.32	153.1	12.40	151.0	12.22	145.5	10.91
		45.7	182.8	14.48	168.4	13.96	157.2	13.37	154.0	12.43	151.9	12.26	146.3	10.94
		91.4	187.1	14.65	172.3	14.10	161.0	13.54	157.5	12.57	155.4	12.40	149.4	11.04
		114.3	189.9	14.65	175.1	14.10	163.5	13.54	160.0	12.57	157.9	12.40	151.9	11.04
		137.1	191.3	14.65	176.5	14.10	164.7	13.54	161.2	12.57	159.1	12.40	153.1	11.04
	41	36.6	251.2	15.72	236.9	15.13	227.2	14.51	221.5	13.51	212.0	13.30	201.8	11.85
		45.7	251.8	15.80	237.3	15.21	227.2	14.58	221.5	13.58	212.0	13.37	201.8	11.91
		91.4	253.9	16.11	239.1	15.52	227.2	14.90	221.5	13.85	212.0	13.65	201.8	12.15
		114.3	253.9	16.25	238.8	15.63	227.2	15.00	221.5	13.96	212.0	13.72	201.8	12.26
		137.1	253.9	16.32	238.6	15.68	227.2	15.05	221.5	14.01	212.0	13.75	201.8	12.31
	50	36.6	252.6	14.45	237.8	13.82	227.2	13.16	221.5	12.29	212.0	12.06	201.8	10.81
		45.7	252.8	14.45	238.1	13.82	227.2	13.16	221.5	12.33	212.0	12.05	201.8	10.83
		91.4	253.9	14.45	239.1	13.82	227.2	13.16	221.5	12.47	212.0	12.01	201.8	10.94
		114.3	253.9	14.48	238.8	13.68	227.2	13.02	221.5	12.33	212.0	11.91	201.8	10.83
		137.1	253.9	14.50	238.6	13.61	227.2	12.95	221.5	12.26	212.0	11.86	201.8	10.78
	59	36.6	253.9	13.18	238.8	12.52	227.2	11.82	221.5	11.08	212.0	10.81	201.8	9.72
		45.7	253.9	13.09	238.8	12.43	227.2	11.74	221.5	11.08	212.0	10.73	201.8	9.72
		91.4	253.9	12.74	238.8	12.08	227.2	11.42	221.5	11.08	212.0	10.42	201.8	9.72
		114.3	253.9	12.74	238.8	11.74	227.2	11.08	221.5	10.73	212.0	10.07	201.8	9.41
		137.1	253.9	12.74	238.8	11.56	227.2	10.90	221.5	10.55	212.0	9.90	201.8	9.25
	68	36.6	253.9	11.51	238.8	10.81	227.2	10.16	221.5	9.80	212.0	9.50	201.8	8.79
		45.7	253.9	11.42	238.8	10.73	227.2	10.07	221.5	9.72	212.0	9.41	201.8	8.72
		91.4	253.9	11.08	238.8	10.42	227.2	9.72	221.5	9.41	212.0	9.06	201.8	8.40
		114.3	253.9	11.08	238.8	10.42	227.2	9.72	221.5	9.41	212.0	9.06	201.8	8.40
		137.1	253.9	11.08	238.8	10.42	227.2	9.72	221.5	9.41	212.0	9.06	201.8	8.40
	77	36.6	253.9	10.16	238.8	9.50	227.2	8.72	221.5	8.79	212.0	8.06	201.8	7.79
		45.7	253.9	10.07	238.8	9.41	227.2	8.72	221.5	8.72	212.0	8.06	201.8	7.71
		91.4	253.9	9.72	238.8	9.06	227.2	8.72	221.5	8.40	212.0	8.06	201.8	7.40
		114.3	253.9	9.72	238.8	9.06	227.2	8.40	221.5	8.40	212.0	8.06	201.8	7.40
		137.1	253.9	9.72	238.8	9.06	227.2	8.25	221.5	8.40	212.0	8.06	201.8	7.40
	86	36.6	253.9	9.15	238.8	8.49	227.2	8.14	221.5	7.79	212.0	7.48	201.8	7.14
		45.7	253.9	9.06	238.8	8.40	227.2	8.06	221.5	7.71	212.0	7.40	201.8	7.05
		91.4	253.9	8.72	238.8	8.06	227.2	7.71	221.5	7.40	212.0	7.05	201.8	6.70
		114.3	253.9	8.72	238.8	8.06	227.2	7.71	221.5	7.40	212.0	7.05	201.8	6.70
		137.1	253.9	8.72	238.8	8.06	227.2	7.71	221.5	7.40	212.0	7.05	201.8	6.70
	95	36.6	253.9	8.06	238.8	7.79	227.2	7.05	221.5	7.14	212.0	6.78	201.8	6.48
		45.7	253.9	8.06	238.8	7.71	227.2	7.05	221.5	7.05	212.0	6.70	201.8	6.39
		91.4	253.9	8.06	238.8	7.40	227.2	7.05	221.5	6.70	212.0	6.39	201.8	6.04
		114.3	253.9	8.06	238.8	7.40	227.2	6.70	221.5	6.70	212.0	6.39	201.8	6.04
		137.1	253.9	8.06	238.8	7.40	227.2	6.53	221.5	6.70	212.0	6.39	201.8	6.04
	104	36.6	253.9	7.40	238.8	7.14	227.2	6.39	221.5	6.48	212.0	6.13	201.8	5.69
		45.7	253.9	7.40	238.8	7.05	227.2	6.39	221.5	6.39	212.0	6.04	201.8	5.69
		91.4	253.9	7.40	238.8	6.70	227.2	6.39	221.5	6.04	212.0	5.69	201.8	5.69
		114.3	253.9	7.40	238.8	6.70	227.2	6.39	221.5	6.04	212.0	5.69	201.8	5.69
		137.1	253.9	7.40	238.8	6.70	227.2	6.39	221.5	6.04	212.0	5.69	201.8	5.69
	113	36.6	253.9	6.70	238.8	6.48	227.2	5.69	221.5	5.77	212.0	5.47	201.8	4.95
		45.7	253.9	6.70	238.8	6.39	227.2	5.69	221.5	5.69	212.0	5.38	201.8	5.04
		91.4	253.9	6.70	238.8	6.04	227.2	5.69	221.5	5.38	212.0	5.04	201.8	5.38
		114.3	253.9	6.70	238.8	6.04	227.2	6.04	221.5	5.38	212.0	5.04	201.8	5.38
		137.1	253.9	6.70	238.8	6.04	227.2	6.22	221.5	5.38	212.0	5.04	201.8	5.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN336DAS4, ARWB336DAS4

336,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	36.6	84.7	7.85	79.6	7.44	75.1	7.04	74.1	6.66	73.7	6.25	72.4	5.92
		45.7	87.6	8.02	82.3	7.60	77.7	7.19	76.7	6.81	76.3	6.39	74.9	6.04
		91.4	98.8	8.68	92.8	8.26	87.9	7.78	86.9	7.40	86.5	6.94	84.7	6.53
		114.3	109.4	9.38	102.7	8.89	97.0	8.40	96.0	7.99	95.3	7.47	93.9	7.05
		137.1	114.7	9.73	107.6	9.20	101.7	8.72	100.6	8.28	99.7	7.73	98.5	7.31
	32	36.6	151.0	11.50	139.9	10.91	130.0	10.28	127.2	9.76	125.4	9.18	121.0	8.65
		45.7	151.9	11.53	140.7	10.94	130.8	10.31	128.0	9.79	126.2	9.20	121.7	8.68
		91.4	155.4	11.63	143.8	11.04	134.0	10.45	131.2	9.93	129.4	9.31	124.5	8.79
		114.3	157.9	11.63	145.9	11.04	135.7	10.45	133.3	9.93	131.2	9.31	126.6	8.79
		137.1	159.1	11.63	147.0	11.04	136.6	10.45	134.3	9.93	132.0	9.31	127.6	8.79
	41	36.6	208.8	12.51	198.0	11.85	188.7	11.19	184.3	10.64	176.2	9.99	168.1	9.39
		45.7	209.2	12.57	198.3	11.91	188.8	11.25	184.3	10.70	176.2	10.04	168.1	9.44
		91.4	211.0	12.81	199.7	12.15	189.2	11.49	184.3	10.90	176.2	10.21	168.1	9.65
		114.3	211.0	12.92	199.4	12.26	189.2	11.56	184.3	10.97	176.2	10.31	168.1	9.72
		137.1	211.0	12.97	199.2	12.31	189.2	11.60	184.3	11.01	176.2	10.37	168.1	9.76
	50	36.6	210.1	11.51	198.4	10.84	188.7	10.19	184.3	9.74	176.2	9.00	168.1	8.59
		45.7	210.3	11.49	198.7	10.83	188.8	10.17	184.3	9.72	176.2	9.03	168.1	8.58
		91.4	211.0	11.42	199.7	10.80	189.2	10.10	184.3	9.65	176.2	9.13	168.1	8.51
		114.3	211.0	11.49	199.4	10.83	189.2	10.14	184.3	9.69	176.2	8.99	168.1	8.54
		137.1	211.0	11.53	199.2	10.85	189.2	10.16	184.3	9.71	176.2	8.92	168.1	8.56
	59	36.6	211.0	10.50	199.4	9.80	189.2	9.15	184.3	8.79	176.2	8.06	168.1	7.79
		45.7	211.0	10.42	199.4	9.72	189.2	9.06	184.3	8.72	176.2	8.06	168.1	7.71
		91.4	211.0	10.07	199.4	9.41	189.2	8.72	184.3	8.40	176.2	8.06	168.1	7.40
		114.3	211.0	10.07	199.4	9.41	189.2	8.72	184.3	8.40	176.2	7.71	168.1	7.40
		137.1	211.0	10.07	199.4	9.41	189.2	8.72	184.3	8.40	176.2	7.53	168.1	7.40
	68	36.6	211.0	9.15	199.4	8.49	189.2	8.14	184.3	7.79	176.2	7.48	168.1	6.70
		45.7	211.0	9.06	199.4	8.40	189.2	8.06	184.3	7.71	176.2	7.40	168.1	6.70
		91.4	211.0	8.72	199.4	8.06	189.2	7.71	184.3	7.40	176.2	7.05	168.1	6.70
		114.3	211.0	8.72	199.4	8.06	189.2	7.71	184.3	7.40	176.2	7.05	168.1	6.70
		137.1	211.0	8.72	199.4	8.06	189.2	7.71	184.3	7.40	176.2	7.05	168.1	6.70
	77	36.6	211.0	8.14	199.4	7.40	189.2	7.14	184.3	6.70	176.2	6.39	168.1	6.04
		45.7	211.0	8.06	199.4	7.40	189.2	7.05	184.3	6.70	176.2	6.39	168.1	6.04
		91.4	211.0	7.71	199.4	7.40	189.2	6.70	184.3	6.70	176.2	6.39	168.1	6.04
		114.3	211.0	7.71	199.4	7.40	189.2	6.70	184.3	6.70	176.2	6.39	168.1	6.04
		137.1	211.0	7.71	199.4	7.40	189.2	6.70	184.3	6.70	176.2	6.39	168.1	6.04
	86	36.6	211.0	7.48	199.4	6.78	189.2	6.48	184.3	6.04	176.2	6.13	168.1	5.77
		45.7	211.0	7.40	199.4	6.70	189.2	6.39	184.3	6.04	176.2	6.04	168.1	5.69
		91.4	211.0	7.05	199.4	6.39	189.2	6.04	184.3	6.04	176.2	5.69	168.1	5.38
		114.3	211.0	7.05	199.4	6.39	189.2	6.04	184.3	6.04	176.2	5.69	168.1	5.38
		137.1	211.0	7.05	199.4	6.39	189.2	6.04	184.3	6.04	176.2	5.69	168.1	5.38
	95	36.6	211.0	6.78	199.4	6.04	189.2	5.69	184.3	5.77	176.2	5.38	168.1	5.04
		45.7	211.0	6.70	199.4	6.04	189.2	5.69	184.3	5.69	176.2	5.38	168.1	5.04
		91.4	211.0	6.39	199.4	6.04	189.2	5.69	184.3	5.38	176.2	5.38	168.1	5.04
		114.3	211.0	6.39	199.4	6.04	189.2	5.69	184.3	5.38	176.2	5.38	168.1	5.04
		137.1	211.0	6.39	199.4	6.04	189.2	5.69	184.3	5.38	176.2	5.38	168.1	5.04
	104	36.6	211.0	6.13	199.4	5.77	189.2	5.47	184.3	5.04	176.2	5.12	168.1	4.69
		45.7	211.0	6.04	199.4	5.69	189.2	5.38	184.3	5.04	176.2	5.04	168.1	4.69
		91.4	211.0	5.69	199.4	5.38	189.2	5.04	184.3	5.04	176.2	4.69	168.1	4.69
		114.3	211.0	5.69	199.4	5.38	189.2	5.04	184.3	5.04	176.2	4.69	168.1	4.69
		137.1	211.0	5.69	199.4	5.38	189.2	5.04	184.3	5.04	176.2	4.69	168.1	4.69
	113	36.6	211.0	5.47	199.4	5.56	189.2	5.20	184.3	4.30	176.2	4.85	168.1	4.38
		45.7	211.0	5.38	199.4	5.38	189.2	5.04	184.3	4.38	176.2	4.69	168.1	4.38
		91.4	211.0	5.04	199.4	4.69	189.2	4.38	184.3	4.69	176.2	4.03	168.1	4.38
		114.3	211.0	5.04	199.4	4.69	189.2	4.38	184.3	4.69	176.2	4.03	168.1	4.38
		137.1	211.0	5.04	199.4	4.69	189.2	4.38	184.3	4.69	176.2	4.03	168.1	4.38

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
130	23	40.6	204.4	24.55	202.9	23.11	201.7	21.52	199.0	20.88	201.3	20.33	195.7	18.23
		50.7	211.4	24.98	209.8	23.56	208.6	21.99	205.8	21.34	208.2	20.77	202.5	18.63
		101.4	239.1	26.67	237.1	25.34	235.9	23.84	232.7	23.16	235.5	22.51	229.5	20.21
		126.8	264.4	28.37	262.0	27.08	260.4	25.70	257.2	25.02	260.4	24.29	253.6	21.78
		152.1	277.2	29.23	274.6	27.95	272.8	26.64	269.5	25.95	273.0	25.18	265.7	22.58
	32	40.6	365.1	33.57	356.8	32.57	349.2	31.51	341.6	30.62	342.8	29.78	327.1	26.67
		50.7	367.3	33.66	358.9	32.65	351.2	31.60	343.6	30.71	344.8	29.87	329.1	26.75
		101.4	376.1	34.03	366.9	32.98	359.3	31.97	351.6	31.08	352.8	30.19	337.2	27.08
		126.8	381.8	34.03	372.5	32.98	364.9	31.97	356.9	31.08	358.1	30.19	342.0	27.08
		152.1	384.6	34.03	375.4	32.98	367.7	31.97	359.5	31.08	360.7	30.19	344.4	27.08
	41	40.6	525.8	36.09	517.9	35.20	507.0	34.30	494.3	33.33	481.0	32.41	454.5	29.03
		50.7	527.6	36.25	518.8	35.36	507.1	34.47	494.3	33.50	481.0	32.57	454.5	29.18
		101.4	534.9	36.90	522.4	36.01	507.5	35.16	494.3	34.19	481.0	33.22	454.5	29.78
		126.8	538.1	37.14	524.0	36.25	507.5	35.40	494.3	34.43	481.0	33.46	454.5	29.99
		152.1	539.7	37.26	524.8	36.37	507.5	35.52	494.3	34.55	481.0	33.58	454.5	30.09
	50	40.6	526.5	32.84	518.0	31.73	505.5	31.14	492.3	30.44	479.2	29.40	452.7	26.53
		50.7	529.7	32.78	520.4	31.77	507.5	31.20	494.3	30.43	481.0	29.38	454.5	26.51
		101.4	542.1	32.53	530.1	31.89	515.6	31.44	502.3	30.39	488.3	29.30	461.7	26.43
		126.8	544.9	32.98	533.7	32.33	518.8	31.56	504.7	30.51	491.5	29.78	464.6	27.68
		152.1	546.3	33.20	535.5	32.56	520.4	31.62	506.0	30.57	493.1	30.03	466.0	28.31
	59	40.6	527.3	29.60	518.1	28.33	503.5	28.03	490.2	27.56	477.4	26.39	450.8	24.05
		50.7	531.7	29.30	522.0	28.21	507.5	27.97	494.3	27.36	481.0	26.19	454.5	23.84
		101.4	548.9	28.13	537.7	27.72	523.6	27.72	510.4	26.55	495.5	25.38	469.0	23.04
		126.8	551.8	28.82	542.9	28.37	530.1	27.72	515.6	26.55	502.3	26.11	474.6	25.38
		152.1	553.2	29.16	545.5	28.70	533.3	27.72	518.2	26.55	505.8	26.47	477.4	26.56
	68	40.6	547.4	27.15	537.3	25.89	523.2	25.32	508.7	24.51	493.9	23.96	464.6	23.23
		50.7	551.8	26.96	541.7	25.86	527.2	25.30	512.8	24.61	498.3	24.13	469.0	23.04
		101.4	569.0	26.19	559.0	25.78	543.3	25.22	528.8	25.02	515.6	24.77	486.3	22.27
		126.8	571.4	26.19	563.0	25.78	549.7	25.38	534.1	25.02	519.6	24.77	490.3	23.68
		152.1	572.7	26.19	565.0	25.78	553.0	25.46	536.7	25.02	521.6	24.77	492.3	24.40
	77	40.6	577.9	25.89	563.0	25.14	549.7	24.71	539.3	24.30	527.2	23.95	497.1	22.37
		50.7	577.9	25.78	563.0	25.10	549.7	24.61	539.3	24.21	527.2	23.84	497.1	22.27
		101.4	577.9	25.38	563.0	24.94	549.7	24.21	539.3	23.84	527.2	23.44	497.1	21.86
		126.8	577.9	25.02	563.0	24.29	549.7	23.84	539.3	23.44	527.2	23.04	497.1	21.50
		152.1	577.9	24.83	563.0	23.96	549.7	23.66	539.3	23.24	527.2	22.83	497.1	21.32
	86	40.6	577.9	25.22	563.0	23.97	549.7	23.74	539.3	23.13	527.2	22.88	497.1	21.29
		50.7	577.9	25.02	563.0	23.92	549.7	23.60	539.3	23.04	527.2	22.67	497.1	21.10
		101.4	577.9	24.21	563.0	23.76	549.7	23.04	539.3	22.67	527.2	21.86	497.1	20.33
		126.8	577.9	23.84	563.0	23.12	549.7	22.67	539.3	22.27	527.2	21.86	497.1	20.33
		152.1	577.9	23.66	563.0	22.79	549.7	22.49	539.3	22.06	527.2	21.86	497.1	20.33
	95	40.6	577.9	24.05	563.0	23.25	549.7	22.77	539.3	21.96	527.2	21.20	497.1	19.71
		50.7	577.9	23.84	563.0	23.12	549.7	22.67	539.3	21.86	527.2	21.10	497.1	19.52
		101.4	577.9	23.04	563.0	22.59	549.7	22.27	539.3	21.50	527.2	20.69	497.1	18.75
		126.8	577.9	23.04	563.0	22.35	549.7	21.86	539.3	21.10	527.2	20.33	497.1	18.75
		152.1	577.9	23.04	563.0	22.23	549.7	21.66	539.3	20.89	527.2	20.14	497.1	18.75
	104	40.6	577.9	23.23	563.0	22.49	549.7	22.06	539.3	21.29	527.2	20.53	497.1	18.54
		50.7	577.9	23.04	563.0	22.35	549.7	21.86	539.3	21.10	527.2	20.33	497.1	18.35
		101.4	577.9	22.27	563.0	21.78	549.7	21.10	539.3	20.33	527.2	19.52	497.1	17.58
		126.8	577.9	21.86	563.0	21.42	549.7	21.10	539.3	20.33	527.2	19.52	497.1	17.58
		152.1	577.9	21.66	563.0	21.24	549.7	21.10	539.3	20.33	527.2	19.52	497.1	17.58
	113	40.6	577.9	22.46	563.0	21.72	549.7	21.39	539.3	20.62	527.2	19.82	497.1	17.37
		50.7	577.9	22.27	563.0	21.58	549.7	21.10	539.3	20.33	527.2	19.52	497.1	17.18
		101.4	577.9	21.50	563.0	21.02	549.7	19.92	539.3	19.16	527.2	18.35	497.1	16.41
		126.8	577.9	20.69	563.0	20.49	549.7	20.33	539.3	19.52	527.2	18.75	497.1	16.41
		152.1	577.9	20.28	563.0	20.23	549.7	20.53	539.3	19.70	527.2	18.96	497.1	16.41

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN384DAS4, ARWB384DAS4
384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	40.6	194.2	24.55	192.7	23.11	191.5	21.52	189.2	20.61	190.7	20.01	185.7	17.91
		50.7	200.9	24.98	199.3	23.56	198.1	21.99	195.7	21.06	197.3	20.45	192.1	18.31
		101.4	227.5	26.67	225.4	25.34	224.2	23.84	221.4	22.83	223.4	22.19	217.4	19.88
		126.8	251.2	28.37	249.2	27.08	247.5	25.70	244.7	24.65	246.7	23.92	239.9	21.42
		152.1	263.1	29.23	261.1	27.95	259.3	26.64	256.5	25.57	258.5	24.80	251.3	22.19
	32	40.6	347.2	33.57	338.7	32.57	331.5	31.51	324.8	30.18	324.8	29.34	309.9	26.23
		50.7	349.2	33.66	340.8	32.65	333.5	31.60	326.7	30.27	326.7	29.42	311.8	26.31
		101.4	357.3	34.03	348.8	32.98	341.6	31.97	334.3	30.63	334.3	29.74	319.5	26.63
		126.8	362.9	34.03	354.4	32.98	346.8	31.97	339.6	30.63	339.2	29.74	324.3	26.63
		152.1	365.7	34.03	357.3	32.98	349.4	31.97	342.2	30.63	341.6	29.74	326.7	26.63
	41	40.6	500.5	36.09	493.0	35.20	482.2	34.30	470.6	32.84	455.7	31.93	430.8	28.59
		50.7	502.3	36.25	493.9	35.36	482.2	34.47	470.6	33.02	455.7	32.09	430.8	28.73
		101.4	509.6	36.90	497.5	36.01	482.2	35.16	470.6	33.71	455.7	32.74	430.8	29.30
		126.8	512.4	37.14	494.7	36.25	482.2	35.40	470.6	33.95	455.7	32.98	430.8	29.50
		152.1	513.8	37.26	493.3	36.37	482.2	35.52	470.6	34.07	455.7	33.10	430.8	29.60
	50	40.6	502.4	32.42	493.1	31.52	480.9	30.89	469.3	29.95	454.5	28.96	429.7	26.04
		50.7	504.7	32.53	495.1	31.64	482.2	31.00	470.6	29.99	455.7	28.94	430.8	26.07
		101.4	514.0	32.98	503.1	32.13	487.5	31.44	475.8	30.15	460.5	28.86	435.2	26.19
		126.8	516.8	32.86	501.5	32.13	489.5	31.56	477.8	30.27	462.5	28.98	437.2	27.08
		152.1	518.2	32.80	500.7	32.13	490.5	31.62	478.8	30.33	463.6	29.04	438.2	27.53
	59	40.6	503.8	28.75	493.7	27.91	479.5	27.47	467.9	27.06	453.4	25.98	428.5	23.54
		50.7	506.7	28.82	496.7	27.97	482.2	27.52	470.6	26.96	455.7	25.78	430.8	23.44
		101.4	518.4	29.06	508.8	28.21	493.1	27.72	481.0	26.55	465.0	25.02	440.0	23.04
		126.8	521.2	28.61	508.4	27.97	497.1	27.72	485.0	26.55	469.0	25.02	444.1	24.61
		152.1	522.6	28.39	508.2	27.84	499.1	27.72	487.1	26.55	471.0	25.02	446.1	25.41
	68	40.6	517.9	25.86	508.1	24.76	492.8	24.11	479.2	23.75	463.6	23.46	438.6	22.27
		50.7	521.2	25.86	511.2	24.85	495.5	24.21	482.2	23.84	466.6	23.44	441.2	22.19
		101.4	534.5	25.86	523.2	25.22	506.3	24.61	494.3	24.21	478.2	23.36	451.7	21.86
		126.8	536.9	25.62	522.8	25.02	510.4	24.61	497.1	24.21	481.0	23.44	454.5	22.67
		152.1	538.1	25.50	522.6	24.91	512.4	24.61	498.5	24.21	482.4	23.48	455.9	23.08
	77	40.6	543.0	24.46	527.2	23.32	510.4	22.87	499.5	22.37	486.3	21.96	459.7	20.43
		50.7	543.3	24.37	527.2	23.28	510.4	22.83	499.5	22.27	486.3	21.86	459.7	20.33
		101.4	544.5	24.01	527.2	23.12	510.4	22.67	499.5	21.86	486.3	21.50	459.7	19.92
		126.8	546.1	23.12	527.2	22.51	510.4	22.27	499.5	21.86	486.3	21.10	459.7	19.92
		152.1	546.9	22.67	527.2	22.20	510.4	22.06	499.5	21.86	486.3	20.89	459.7	19.92
	86	40.6	546.1	23.39	527.2	22.24	510.4	21.60	499.5	20.78	486.3	20.53	459.7	18.85
		50.7	546.1	23.20	527.2	22.11	510.4	21.50	499.5	20.69	486.3	20.33	459.7	18.75
		101.4	546.1	22.43	527.2	21.58	510.4	21.10	499.5	20.33	486.3	19.52	459.7	18.35
		126.8	546.1	21.70	527.2	21.10	510.4	20.69	499.5	20.33	486.3	19.52	459.7	17.98
		152.1	546.1	21.34	527.2	20.85	510.4	20.49	499.5	20.33	486.3	19.52	459.7	17.80
	95	40.6	546.1	22.34	527.2	21.13	510.4	20.53	499.5	19.71	486.3	18.95	459.7	17.27
		50.7	546.1	22.03	527.2	20.93	510.4	20.33	499.5	19.52	486.3	18.75	459.7	17.18
		101.4	546.1	20.77	527.2	20.17	510.4	19.52	499.5	18.75	486.3	17.98	459.7	16.81
		126.8	546.1	20.53	527.2	20.00	510.4	19.52	499.5	18.75	486.3	17.98	459.7	16.41
		152.1	546.1	20.41	527.2	19.92	510.4	19.52	499.5	18.75	486.3	17.98	459.7	16.20
	104	40.6	546.1	21.68	527.2	20.16	510.4	19.36	499.5	18.54	486.3	17.77	459.7	16.10
		50.7	546.1	21.26	527.2	19.92	510.4	19.16	499.5	18.35	486.3	17.58	459.7	16.00
		101.4	546.1	19.60	527.2	18.99	510.4	18.35	499.5	17.58	486.3	16.81	459.7	15.64
		126.8	546.1	19.36	527.2	18.75	510.4	18.35	499.5	17.58	486.3	16.81	459.7	15.24
		152.1	546.1	19.24	527.2	18.63	510.4	18.35	499.5	17.58	486.3	16.81	459.7	15.03
	113	40.6	546.1	21.01	527.2	19.19	510.4	18.19	499.5	17.37	486.3	16.60	459.7	14.92
		50.7	546.1	20.49	527.2	18.91	510.4	17.98	499.5	17.18	486.3	16.41	459.7	14.83
		101.4	546.1	18.43	527.2	17.82	510.4	17.18	499.5	16.41	486.3	15.64	459.7	14.47
		126.8	546.1	18.19	527.2	17.50	510.4	17.18	499.5	16.41	486.3	15.64	459.7	14.06
		152.1	546.1	18.06	527.2	17.34	510.4	17.18	499.5	16.41	486.3	15.64	459.7	13.86

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	40.6	183.8	24.87	182.6	23.11	181.4	21.52	179.5	20.61	180.0	20.01	176.0	17.91
		50.7	190.1	25.30	188.9	23.56	187.7	21.99	185.7	21.06	186.1	20.45	182.0	18.31
		101.4	215.0	27.00	213.8	25.34	212.6	23.84	210.2	22.83	210.2	22.19	206.2	19.88
		126.8	237.5	28.73	235.9	27.08	234.7	25.70	232.3	24.65	232.3	23.92	227.5	21.42
		152.1	248.8	29.61	247.0	27.95	245.8	26.64	243.4	25.57	243.4	24.80	238.2	22.19
	32	40.6	328.4	34.03	321.2	32.57	314.4	31.51	308.4	30.18	305.6	29.34	294.0	26.23
		50.7	330.3	34.11	323.1	32.65	316.3	31.60	310.2	30.27	307.4	29.42	295.8	26.31
		101.4	338.0	34.43	330.7	32.98	323.5	31.97	317.5	30.63	314.7	29.74	302.6	26.63
		126.8	343.2	34.43	336.0	32.98	328.7	31.97	322.3	30.63	319.5	29.74	307.0	26.63
		152.1	345.8	34.43	338.6	32.98	331.4	31.97	324.7	30.63	321.9	29.74	309.2	26.63
	41	40.6	479.0	36.57	467.7	35.20	456.8	34.30	446.5	32.84	429.2	31.93	408.3	28.59
		50.7	480.6	36.74	468.6	35.36	456.9	34.47	446.5	33.02	429.2	32.09	408.3	28.73
		101.4	487.1	37.38	472.2	36.01	457.3	35.16	446.5	33.71	429.2	32.74	408.3	29.30
		126.8	489.9	37.63	473.4	36.25	457.3	35.40	446.5	33.95	429.2	32.98	408.3	29.50
		152.1	491.3	37.75	474.0	36.37	457.3	35.52	446.5	34.07	429.2	33.10	408.3	29.60
	50	40.6	480.8	32.80	469.0	31.67	456.2	30.99	445.8	29.95	428.5	28.96	407.8	26.04
		50.7	482.6	32.86	470.2	31.77	456.9	31.08	446.5	29.99	429.2	28.94	408.3	26.07
		101.4	489.9	33.10	475.0	32.13	459.7	31.44	449.3	30.15	432.0	28.86	410.3	26.19
		126.8	492.7	33.10	477.0	32.13	461.3	31.36	450.1	30.07	432.8	28.98	411.5	26.47
		152.1	494.1	33.10	478.0	32.13	462.1	31.32	450.5	30.03	433.2	29.04	412.1	26.61
	59	40.6	482.2	29.02	469.7	28.21	456.0	27.72	445.1	27.06	427.8	25.98	407.3	23.54
		50.7	484.2	28.98	471.4	28.21	457.3	27.72	446.5	26.96	429.2	25.78	408.3	23.44
		101.4	492.3	28.82	478.2	28.21	462.5	27.72	451.7	26.55	434.8	25.02	412.3	23.04
		126.8	495.1	28.61	480.6	27.97	465.0	27.36	453.3	26.19	436.0	25.02	414.7	23.44
		152.1	496.5	28.51	481.8	27.84	466.2	27.18	454.1	26.00	436.6	25.02	415.9	23.64
	68	40.6	491.2	25.05	477.8	24.45	462.4	23.84	450.0	23.44	433.5	22.77	410.7	21.30
		50.7	493.9	25.10	479.4	24.45	463.7	23.84	451.7	23.44	434.8	22.67	412.3	21.26
		101.4	504.3	25.30	485.8	24.45	469.0	23.84	458.5	23.44	440.0	22.27	418.7	21.10
		126.8	507.1	25.30	489.9	24.45	471.8	23.84	459.7	23.04	442.4	22.27	419.9	21.10
		152.1	508.6	25.30	491.9	24.45	473.2	23.84	460.3	22.83	443.7	22.27	420.6	21.10
	77	40.6	506.5	22.79	491.5	21.96	471.8	21.60	461.3	20.78	445.3	20.03	421.6	18.35
		50.7	507.5	22.75	491.5	21.86	471.8	21.50	461.3	20.69	445.3	19.92	421.6	18.35
		101.4	511.6	22.59	491.5	21.50	471.8	21.10	461.3	20.33	445.3	19.52	421.6	18.35
		126.8	514.0	22.59	491.5	21.58	471.8	20.69	461.3	20.33	445.3	19.16	421.6	17.98
		152.1	515.2	22.59	491.5	21.62	471.8	20.49	461.3	20.33	445.3	18.97	421.6	17.80
	86	40.6	514.0	20.78	491.5	20.03	471.8	19.26	461.3	18.85	445.3	17.68	421.6	16.51
		50.7	514.0	20.69	491.5	19.92	471.8	19.16	461.3	18.75	445.3	17.58	421.6	16.41
		101.4	514.0	20.33	491.5	19.52	471.8	18.75	461.3	18.35	445.3	17.18	421.6	16.00
		126.8	514.0	20.17	491.5	19.16	471.8	18.35	461.3	17.98	445.3	17.18	421.6	16.00
		152.1	514.0	20.09	491.5	18.97	471.8	18.14	461.3	17.80	445.3	17.18	421.6	16.00
	95	40.6	514.0	19.71	491.5	18.44	471.8	17.68	461.3	16.91	445.3	16.10	421.6	14.92
		50.7	514.0	19.52	491.5	18.35	471.8	17.58	461.3	16.81	445.3	16.00	421.6	14.83
		101.4	514.0	18.75	491.5	17.98	471.8	17.18	461.3	16.41	445.3	15.64	421.6	14.47
		126.8	514.0	18.27	491.5	17.58	471.8	16.81	461.3	16.41	445.3	15.64	421.6	14.47
		152.1	514.0	18.02	491.5	17.38	471.8	16.63	461.3	16.41	445.3	15.64	421.6	14.47
	104	40.6	514.0	18.54	491.5	17.77	471.8	16.60	461.3	15.74	445.3	14.92	421.6	13.75
		50.7	514.0	18.35	491.5	17.58	471.8	16.41	461.3	15.64	445.3	14.83	421.6	13.66
		101.4	514.0	17.58	491.5	16.81	471.8	15.64	461.3	15.24	445.3	14.47	421.6	13.30
		126.8	514.0	17.34	491.5	16.41	471.8	15.64	461.3	14.83	445.3	14.06	421.6	12.89
		152.1	514.0	17.22	491.5	16.20	471.8	15.64	461.3	14.63	445.3	13.86	421.6	12.69
	113	40.6	514.0	17.37	491.5	17.11	471.8	15.53	461.3	14.57	445.3	13.75	421.6	12.58
		50.7	514.0	17.18	491.5	16.81	471.8	15.24	461.3	14.47	445.3	13.66	421.6	12.49
		101.4	514.0	16.41	491.5	15.64	471.8	14.06	461.3	14.06	445.3	13.30	421.6	12.12
		126.8	514.0	16.41	491.5	15.24	471.8	14.47	461.3	13.30	445.3	12.49	421.6	11.32
		152.1	514.0	16.41	491.5	15.03	471.8	14.67	461.3	12.91	445.3	12.08	421.6	10.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN384DAS4, ARWB384DAS4
384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	40.6	173.6	24.87	172.4	23.44	171.7	21.52	170.2	20.61	168.6	19.69	165.4	17.91
		50.7	179.6	25.30	178.4	23.88	177.6	21.99	176.0	21.06	174.4	20.13	171.2	18.31
		101.4	203.3	27.00	202.1	25.66	200.9	23.84	198.9	22.83	197.3	21.86	194.1	19.88
		126.8	224.6	28.73	223.0	27.44	221.8	25.70	219.8	24.65	218.2	23.56	214.2	21.42
		152.1	235.4	29.61	233.6	28.34	232.4	26.64	230.3	25.57	228.7	24.42	224.3	22.19
	32	40.6	310.4	34.03	303.6	33.02	297.3	31.51	292.0	30.18	286.8	28.90	276.9	26.23
		50.7	312.2	34.11	305.4	33.10	299.0	31.60	293.8	30.27	288.5	28.98	278.5	26.31
		101.4	319.5	34.43	312.6	33.42	305.8	31.97	300.6	30.63	295.4	29.30	284.9	26.63
		126.8	324.3	34.43	317.5	33.42	310.6	31.97	305.0	30.63	299.8	29.30	289.3	26.63
		152.1	326.7	34.43	319.9	33.42	313.1	31.97	307.2	30.63	302.0	29.30	291.6	26.63
	41	40.6	458.1	36.57	442.8	35.68	431.5	34.30	422.8	32.84	402.7	31.44	384.2	28.59
		50.7	459.7	36.74	443.7	35.85	431.6	34.47	422.8	33.02	402.7	31.60	384.2	28.73
		101.4	466.2	37.38	446.9	36.49	432.0	35.16	422.8	33.71	402.7	32.25	384.2	29.30
		126.8	469.0	37.63	448.1	36.74	432.0	35.40	422.8	33.95	402.7	32.45	384.2	29.50
		152.1	470.4	37.75	448.7	36.86	432.0	35.52	422.8	34.07	402.7	32.55	384.2	29.60
	50	40.6	460.6	32.70	444.3	31.99	432.0	30.99	422.8	29.95	402.7	28.46	384.2	26.04
		50.7	461.7	32.86	444.9	32.09	432.0	31.08	422.8	29.99	402.7	28.49	384.2	26.07
		101.4	466.2	33.46	447.3	32.49	432.0	31.44	422.8	30.15	402.7	28.61	384.2	26.19
		126.8	469.4	33.34	449.3	32.49	432.0	31.36	422.8	30.07	402.7	28.53	384.2	26.07
		152.1	471.0	33.28	450.3	32.49	432.0	31.32	422.8	30.03	402.7	28.49	384.2	26.01
	59	40.6	463.1	28.83	446.2	28.35	432.0	27.72	422.8	27.06	402.7	25.47	384.2	23.54
		50.7	463.7	28.98	446.5	28.37	432.0	27.72	422.8	26.96	402.7	25.38	384.2	23.44
		101.4	466.2	29.54	447.7	28.45	432.0	27.72	422.8	26.55	402.7	25.02	384.2	23.04
		126.8	470.2	29.06	450.1	28.21	432.0	27.36	422.8	26.19	402.7	24.61	384.2	22.67
		152.1	472.2	28.81	451.3	28.09	432.0	27.18	422.8	26.00	402.7	24.41	384.2	22.49
	68	40.6	465.6	24.66	448.6	24.03	432.0	23.44	422.8	23.13	402.7	21.60	384.2	20.53
		50.7	467.4	24.77	448.9	24.05	432.0	23.44	422.8	23.04	402.7	21.50	384.2	20.33
		101.4	474.2	25.22	450.1	24.13	432.0	23.44	422.8	22.67	402.7	21.10	384.2	19.52
		126.8	477.0	24.77	454.1	23.92	432.0	23.04	422.8	22.27	402.7	20.69	384.2	19.16
		152.1	478.4	24.55	456.1	23.82	432.0	22.83	422.8	22.06	402.7	20.49	384.2	18.97
	77	40.6	471.3	21.56	455.7	20.88	432.0	20.03	422.8	19.26	402.7	18.09	384.2	16.41
		50.7	473.0	21.58	455.7	20.77	432.0	19.92	422.8	19.16	402.7	17.98	384.2	16.41
		101.4	479.8	21.66	455.7	20.33	432.0	19.52	422.8	18.75	402.7	17.58	384.2	16.41
		126.8	482.2	21.18	455.7	20.17	432.0	19.16	422.8	18.35	402.7	17.58	384.2	16.00
		152.1	483.4	20.93	455.7	20.09	432.0	18.97	422.8	18.14	402.7	17.58	384.2	15.80
	86	40.6	482.2	19.61	455.7	18.09	432.0	16.85	422.8	16.51	402.7	15.24	384.2	14.57
		50.7	482.2	19.52	455.7	17.98	432.0	16.81	422.8	16.41	402.7	15.24	384.2	14.47
		101.4	482.2	19.16	455.7	17.58	432.0	16.65	422.8	16.00	402.7	15.24	384.2	14.06
		126.8	482.2	18.75	455.7	17.58	432.0	16.41	422.8	16.00	402.7	14.83	384.2	14.06
		152.1	482.2	18.55	455.7	17.58	432.0	16.29	422.8	16.00	402.7	14.63	384.2	14.06
	95	40.6	482.2	18.19	455.7	16.60	432.0	14.87	422.8	14.57	402.7	13.75	384.2	12.58
		50.7	482.2	17.98	455.7	16.41	432.0	14.83	422.8	14.47	402.7	13.66	384.2	12.49
		101.4	482.2	17.18	455.7	15.64	432.0	14.67	422.8	14.06	402.7	13.30	384.2	12.12
		126.8	482.2	17.18	455.7	15.64	432.0	14.47	422.8	14.06	402.7	13.30	384.2	12.12
		152.1	482.2	17.18	455.7	15.64	432.0	14.37	422.8	14.06	402.7	13.30	384.2	12.12
	104	40.6	482.2	17.02	455.7	15.43	432.0	13.34	422.8	12.99	402.7	12.23	384.2	11.41
		50.7	482.2	16.81	455.7	15.24	432.0	13.30	422.8	12.89	402.7	12.12	384.2	11.32
		101.4	482.2	16.00	455.7	14.47	432.0	13.13	422.8	12.49	402.7	11.72	384.2	10.95
		126.8	482.2	15.64	455.7	14.47	432.0	12.89	422.8	12.49	402.7	11.72	384.2	10.95
		152.1	482.2	15.46	455.7	14.47	432.0	12.77	422.8	12.49	402.7	11.72	384.2	10.95
	113	40.6	482.2	15.84	455.7	14.26	432.0	11.76	422.8	11.41	402.7	10.65	384.2	10.24
		50.7	482.2	15.64	455.7	14.06	432.0	11.72	422.8	11.32	402.7	10.55	384.2	10.14
		101.4	482.2	14.83	455.7	13.30	432.0	11.56	422.8	10.95	402.7	10.14	384.2	9.78
		126.8	482.2	14.06	455.7	13.30	432.0	11.32	422.8	10.95	402.7	10.14	384.2	9.78
		152.1	482.2	13.68	455.7	13.30	432.0	11.19	422.8	10.95	402.7	10.14	384.2	9.78

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	40.6	163.9	23.08	158.9	21.02	154.3	18.46	153.1	17.60	151.8	16.96	149.2	15.22
		50.7	169.6	23.48	164.4	21.42	159.5	18.87	158.3	17.98	157.1	17.34	154.3	15.56
		101.4	192.1	25.06	186.1	23.00	180.4	20.49	179.2	19.52	178.0	18.83	174.4	16.89
		126.8	212.2	26.63	205.4	24.61	199.3	22.11	197.7	21.06	196.5	20.29	192.9	18.23
		152.1	222.3	27.43	215.1	25.43	208.8	22.92	207.0	21.83	205.8	21.02	202.2	18.90
	32	40.6	293.2	31.44	279.7	29.50	266.8	27.09	262.9	25.83	258.5	24.86	248.8	22.33
		50.7	295.0	31.52	281.3	29.58	268.4	27.16	264.4	25.91	260.0	24.94	250.4	22.39
		101.4	301.8	31.85	287.7	29.91	274.9	27.44	270.5	26.19	266.0	25.22	256.4	22.63
		126.8	306.2	31.85	292.2	29.91	279.3	27.44	274.5	26.19	270.5	25.22	260.4	22.63
		152.1	308.4	31.85	294.4	29.91	281.5	27.44	276.5	26.19	272.7	25.22	262.4	22.63
	41	40.6	414.3	33.75	401.0	31.85	388.2	29.48	380.2	28.11	363.3	27.06	346.0	24.29
		50.7	414.7	33.91	400.7	32.01	388.2	29.62	380.2	28.25	363.3	27.20	346.0	24.41
		101.4	416.3	34.51	399.4	32.61	388.2	30.19	380.2	28.82	363.3	27.76	346.0	24.89
		126.8	418.7	34.72	400.7	32.82	388.2	30.43	380.2	29.02	363.3	27.97	346.0	25.10
		152.1	420.0	34.82	401.3	32.92	388.2	30.55	380.2	29.12	363.3	28.07	346.0	25.20
	50	40.6	416.5	29.80	402.4	28.34	388.2	26.68	380.2	25.59	363.3	24.55	346.0	22.13
		50.7	416.3	29.83	401.9	28.37	388.2	26.71	380.2	25.62	363.3	24.53	346.0	22.15
		101.4	415.5	29.91	399.9	28.49	388.2	26.83	380.2	25.74	363.3	24.45	346.0	22.23
		126.8	418.3	29.83	401.1	28.41	388.2	26.75	380.2	25.66	363.3	24.53	346.0	22.31
		152.1	419.8	29.78	401.7	28.37	388.2	26.71	380.2	25.62	363.3	24.57	346.0	22.35
	59	40.6	418.6	25.81	403.8	24.88	388.2	23.95	380.2	23.13	363.3	22.06	346.0	20.03
		50.7	417.9	25.70	403.1	24.77	388.2	23.84	380.2	23.04	363.3	21.86	346.0	19.92
		101.4	415.1	25.30	400.3	24.37	388.2	23.44	380.2	22.67	363.3	21.10	346.0	19.52
		126.8	417.9	24.94	401.5	24.01	388.2	23.04	380.2	22.27	363.3	21.10	346.0	19.52
		152.1	419.4	24.75	402.1	23.82	388.2	22.83	380.2	22.06	363.3	21.10	346.0	19.52
	68	40.6	421.2	21.78	405.5	21.16	388.2	20.43	380.2	19.61	363.3	18.95	346.0	17.77
		50.7	420.7	21.78	404.7	21.10	388.2	20.33	380.2	19.52	363.3	18.75	346.0	17.58
		101.4	419.1	21.78	401.5	20.85	388.2	19.92	380.2	19.16	363.3	17.98	346.0	16.81
		126.8	420.3	21.42	402.7	20.69	388.2	19.92	380.2	19.16	363.3	17.98	346.0	16.81
		152.1	421.0	21.24	403.3	20.61	388.2	19.92	380.2	19.16	363.3	17.98	346.0	16.81
	77	40.6	428.2	19.04	410.7	18.02	388.2	17.27	380.2	16.41	363.3	15.74	346.0	14.57
		50.7	429.2	18.99	410.7	17.98	388.2	17.18	380.2	16.41	363.3	15.64	346.0	14.47
		101.4	433.2	18.83	410.7	17.82	388.2	16.81	380.2	16.41	363.3	15.24	346.0	14.06
		126.8	434.8	18.35	410.7	17.42	388.2	16.81	380.2	16.00	363.3	15.24	346.0	14.06
		152.1	435.6	18.10	410.7	17.21	388.2	16.81	380.2	15.80	363.3	15.24	346.0	14.06
	86	40.6	434.8	17.27	410.7	16.10	388.2	14.92	380.2	14.57	363.3	13.75	346.0	12.49
		50.7	434.8	17.18	410.7	16.00	388.2	14.83	380.2	14.47	363.3	13.66	346.0	12.49
		101.4	434.8	16.81	410.7	15.64	388.2	14.47	380.2	14.06	363.3	13.30	346.0	12.49
		126.8	434.8	16.41	410.7	15.24	388.2	14.47	380.2	14.06	363.3	13.30	346.0	12.12
		152.1	434.8	16.20	410.7	15.03	388.2	14.47	380.2	14.06	363.3	13.30	346.0	11.94
	95	40.6	434.8	15.74	410.7	14.57	388.2	13.40	380.2	12.99	363.3	12.23	346.0	11.41
		50.7	434.8	15.64	410.7	14.47	388.2	13.30	380.2	12.89	363.3	12.12	346.0	11.32
		101.4	434.8	15.24	410.7	14.06	388.2	12.89	380.2	12.49	363.3	11.72	346.0	10.95
		126.8	434.8	14.83	410.7	13.66	388.2	12.49	380.2	12.12	363.3	11.72	346.0	10.95
		152.1	434.8	14.63	410.7	13.46	388.2	12.28	380.2	11.94	363.3	11.72	346.0	10.95
	104	40.6	434.8	14.67	410.7	13.40	388.2	11.82	380.2	11.41	363.3	11.05	346.0	10.24
		50.7	434.8	14.47	410.7	13.30	388.2	11.72	380.2	11.32	363.3	10.95	346.0	10.14
		101.4	434.8	13.66	410.7	12.89	388.2	11.32	380.2	10.95	363.3	10.55	346.0	9.78
		126.8	434.8	13.66	410.7	12.89	388.2	11.32	380.2	10.95	363.3	10.55	346.0	9.78
		152.1	434.8	13.66	410.7	12.89	388.2	11.32	380.2	10.95	363.3	10.55	346.0	9.78
	113	40.6	434.8	13.59	410.7	12.23	388.2	10.24	380.2	9.88	363.3	9.88	346.0	9.06
		50.7	434.8	13.30	410.7	12.12	388.2	10.14	380.2	9.78	363.3	9.78	346.0	8.97
		101.4	434.8	12.12	410.7	11.72	388.2	9.78	380.2	9.38	363.3	9.38	346.0	8.61
		126.8	434.8	12.49	410.7	12.12	388.2	10.14	380.2	9.78	363.3	9.38	346.0	8.61
		152.1	434.8	12.67	410.7	12.33	388.2	10.33	380.2	9.98	363.3	9.38	346.0	8.61

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	40.6	155.1	16.44	145.3	15.82	137.6	15.15	136.0	14.64	135.2	13.96	132.5	12.86
		50.7	160.3	16.81	150.3	16.17	142.3	15.48	140.7	14.95	139.8	14.27	137.0	13.13
		101.4	181.2	18.27	170.0	17.54	160.7	16.77	159.1	16.21	158.3	15.48	155.1	14.23
		126.8	200.5	19.68	187.7	18.91	177.6	18.11	175.6	17.50	174.8	16.69	171.2	15.36
		152.1	210.2	20.39	196.6	19.61	186.1	18.78	183.9	18.15	183.1	17.30	179.3	15.93
	32	40.6	276.8	24.14	255.3	23.17	237.7	22.21	233.3	21.44	230.1	20.43	221.3	18.82
		50.7	278.5	24.21	256.8	23.24	239.1	22.27	234.7	21.50	231.5	20.49	222.6	18.87
		101.4	285.3	24.49	262.8	23.52	244.7	22.51	240.3	21.74	237.1	20.73	227.9	19.08
		126.8	289.3	24.49	266.8	23.52	248.8	22.51	243.9	21.74	240.7	20.73	231.5	19.08
		152.1	291.4	24.49	268.9	23.52	250.8	22.51	245.8	21.74	242.5	20.73	233.3	19.08
	41	40.6	383.0	26.25	361.4	25.26	345.5	24.12	338.0	23.32	323.5	22.24	307.4	20.46
		50.7	383.8	26.39	362.1	25.38	345.6	24.25	338.0	23.44	323.5	22.35	307.4	20.57
		101.4	387.0	26.96	364.9	25.86	346.0	24.77	338.0	23.92	323.5	22.79	307.4	21.02
		126.8	387.0	27.12	364.5	26.07	346.0	24.94	338.0	24.09	323.5	22.96	307.4	21.14
		152.1	387.0	27.20	364.3	26.17	346.0	25.02	338.0	24.17	323.5	23.04	307.4	21.20
	50	40.6	385.0	24.16	362.9	23.07	345.5	21.89	338.0	21.29	323.5	20.16	307.4	18.66
		50.7	385.4	24.13	363.3	23.04	345.6	21.90	338.0	21.30	323.5	20.17	307.4	18.67
		101.4	387.0	24.01	364.9	22.91	346.0	21.94	338.0	21.34	323.5	20.21	307.4	18.71
		126.8	387.0	23.92	364.5	23.00	346.0	22.03	338.0	21.22	323.5	20.09	307.4	18.59
		152.1	387.0	23.88	364.3	23.04	346.0	22.07	338.0	21.16	323.5	20.02	307.4	18.53
	59	40.6	387.0	22.06	364.5	20.89	346.0	19.61	338.0	19.26	323.5	18.09	307.4	16.91
		50.7	387.0	21.86	364.5	20.69	346.0	19.52	338.0	19.16	323.5	17.98	307.4	16.81
		101.4	387.0	21.10	364.5	19.92	346.0	19.16	338.0	18.75	323.5	17.58	307.4	16.41
		126.8	387.0	20.69	364.5	19.92	346.0	19.16	338.0	18.35	323.5	17.18	307.4	16.00
		152.1	387.0	20.49	364.5	19.92	346.0	19.16	338.0	18.14	323.5	16.97	307.4	15.80
	68	40.6	387.0	18.44	364.5	17.68	346.0	16.81	338.0	16.51	323.5	15.74	307.4	14.57
		50.7	387.0	18.35	364.5	17.58	346.0	16.81	338.0	16.41	323.5	15.64	307.4	14.47
		101.4	387.0	17.98	364.5	17.18	346.0	16.81	338.0	16.00	323.5	15.24	307.4	14.06
		126.8	387.0	17.58	364.5	16.81	346.0	16.41	338.0	16.00	323.5	14.83	307.4	14.06
		152.1	387.0	17.38	364.5	16.63	346.0	16.20	338.0	16.00	323.5	14.63	307.4	14.06
	77	40.6	387.0	16.51	364.5	15.34	346.0	14.47	338.0	14.17	323.5	13.40	307.4	12.58
		50.7	387.0	16.41	364.5	15.24	346.0	14.47	338.0	14.06	323.5	13.30	307.4	12.49
		101.4	387.0	16.00	364.5	14.83	346.0	14.47	338.0	13.66	323.5	12.89	307.4	12.12
		126.8	387.0	15.64	364.5	14.83	346.0	14.06	338.0	13.66	323.5	12.89	307.4	12.12
		152.1	387.0	15.46	364.5	14.83	346.0	13.86	338.0	13.66	323.5	12.89	307.4	12.12
	86	40.6	387.0	14.57	364.5	13.75	346.0	12.99	338.0	12.58	323.5	11.82	307.4	11.05
		50.7	387.0	14.47	364.5	13.66	346.0	12.89	338.0	12.49	323.5	11.72	307.4	10.95
		101.4	387.0	14.06	364.5	13.30	346.0	12.49	338.0	12.12	323.5	11.32	307.4	10.55
		126.8	387.0	14.06	364.5	13.30	346.0	12.49	338.0	12.12	323.5	11.32	307.4	10.55
		152.1	387.0	14.06	364.5	13.30	346.0	12.49	338.0	12.12	323.5	11.32	307.4	10.55
	95	40.6	387.0	13.40	364.5	12.58	346.0	11.41	338.0	10.95	323.5	10.65	307.4	9.78
		50.7	387.0	13.30	364.5	12.49	346.0	11.32	338.0	10.95	323.5	10.55	307.4	9.78
		101.4	387.0	12.89	364.5	12.12	346.0	10.95	338.0	10.95	323.5	10.14	307.4	9.78
		126.8	387.0	12.89	364.5	11.72	346.0	10.95	338.0	10.55	323.5	10.14	307.4	9.38
		152.1	387.0	12.89	364.5	11.52	346.0	10.95	338.0	10.34	323.5	10.14	307.4	9.17
	104	40.6	387.0	12.68	364.5	11.41	346.0	10.14	338.0	10.24	323.5	9.38	307.4	9.06
		50.7	387.0	12.49	364.5	11.32	346.0	10.14	338.0	10.14	323.5	9.38	307.4	8.97
		101.4	387.0	11.72	364.5	10.95	346.0	10.14	338.0	9.78	323.5	9.38	307.4	8.61
		126.8	387.0	11.72	364.5	10.95	346.0	9.78	338.0	9.78	323.5	9.38	307.4	8.61
		152.1	387.0	11.72	364.5	10.95	346.0	9.60	338.0	9.78	323.5	9.38	307.4	8.61
	113	40.6	387.0	12.02	364.5	10.24	346.0	8.87	338.0	9.57	323.5	8.10	307.4	8.40
		50.7	387.0	11.72	364.5	10.14	346.0	8.97	338.0	9.38	323.5	8.20	307.4	8.20
		101.4	387.0	10.55	364.5	9.78	346.0	9.38	338.0	8.61	323.5	8.61	307.4	7.44
		126.8	387.0	10.55	364.5	10.14	346.0	8.61	338.0	8.97	323.5	8.61	307.4	7.80
		152.1	387.0	10.55	364.5	10.33	346.0	8.22	338.0	9.16	323.5	8.61	307.4	7.98

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	40.6	135.2	14.12	127.0	13.44	120.1	13.01	118.9	12.26	118.1	11.83	116.2	10.76
		50.7	139.8	14.43	131.4	13.74	124.2	13.30	123.0	12.53	122.2	12.08	120.2	10.99
		101.4	158.3	15.64	148.7	14.91	140.2	14.43	139.0	13.58	138.2	13.09	135.8	11.92
		126.8	175.2	16.89	164.4	16.08	155.1	15.56	153.9	14.63	152.7	14.14	149.9	12.85
		152.1	183.7	17.52	172.3	16.68	162.6	16.13	161.4	15.16	160.0	14.67	157.0	13.32
	32	40.6	242.1	20.67	223.7	19.71	207.7	19.05	204.1	17.93	200.9	17.33	193.8	15.76
		50.7	243.5	20.73	225.0	19.76	209.0	19.12	205.4	17.98	202.1	17.38	194.9	15.80
		101.4	249.2	20.97	230.3	19.96	213.8	19.36	210.2	18.19	207.0	17.58	199.3	15.96
		126.8	252.8	20.97	233.9	19.96	217.0	19.36	213.4	18.19	210.2	17.58	202.5	15.96
		152.1	254.6	20.97	235.7	19.96	218.6	19.36	215.0	18.19	211.8	17.58	204.2	15.96
	41	40.6	334.4	22.52	316.9	21.43	301.7	20.74	295.4	19.55	282.1	18.85	268.8	17.12
		50.7	335.2	22.63	317.5	21.54	301.8	20.85	295.4	19.64	282.1	18.95	268.8	17.22
		101.4	338.0	23.08	319.9	21.99	302.2	21.30	295.4	20.00	282.1	19.36	268.8	17.58
		126.8	338.0	23.24	319.5	22.15	302.2	21.46	295.4	20.17	282.1	19.48	268.8	17.70
		152.1	338.0	23.32	319.3	22.23	302.2	21.54	295.4	20.25	282.1	19.54	268.8	17.76
	50	40.6	336.0	20.73	318.0	19.60	302.2	18.87	295.4	17.82	282.1	17.10	268.8	15.64
		50.7	336.4	20.69	318.3	19.56	302.2	18.83	295.4	17.82	282.1	17.10	268.8	15.64
		101.4	338.0	20.53	319.5	19.40	302.2	18.67	295.4	17.82	282.1	17.10	268.8	15.64
		126.8	338.0	20.61	319.5	19.48	302.2	18.75	295.4	17.90	282.1	16.97	268.8	15.68
		152.1	338.0	20.65	319.5	19.52	302.2	18.79	295.4	17.94	282.1	16.91	268.8	15.70
	59	40.6	338.0	18.95	319.5	17.77	302.2	17.02	295.4	16.10	282.1	15.34	268.8	14.17
		50.7	338.0	18.75	319.5	17.58	302.2	16.81	295.4	16.00	282.1	15.24	268.8	14.06
		101.4	338.0	17.98	319.5	16.81	302.2	16.00	295.4	15.64	282.1	14.83	268.8	13.66
		126.8	338.0	17.98	319.5	16.81	302.2	16.00	295.4	15.64	282.1	14.47	268.8	13.66
		152.1	338.0	17.98	319.5	16.81	302.2	16.00	295.4	15.64	282.1	14.28	268.8	13.66
	68	40.6	338.0	15.74	319.5	14.92	302.2	14.57	295.4	14.17	282.1	13.40	268.8	12.58
		50.7	338.0	15.64	319.5	14.83	302.2	14.47	295.4	14.06	282.1	13.30	268.8	12.49
		101.4	338.0	15.24	319.5	14.47	302.2	14.06	295.4	13.66	282.1	12.89	268.8	12.12
		126.8	338.0	15.24	319.5	14.47	302.2	14.06	295.4	13.30	282.1	12.89	268.8	11.72
		152.1	338.0	15.24	319.5	14.47	302.2	14.06	295.4	13.11	282.1	12.89	268.8	11.52
	77	40.6	338.0	14.17	319.5	13.40	302.2	12.58	295.4	12.23	282.1	11.32	268.8	10.55
		50.7	338.0	14.06	319.5	13.30	302.2	12.49	295.4	12.12	282.1	11.32	268.8	10.55
		101.4	338.0	13.66	319.5	12.89	302.2	12.12	295.4	11.72	282.1	11.32	268.8	10.55
		126.8	338.0	13.30	319.5	12.49	302.2	12.12	295.4	11.72	282.1	10.95	268.8	10.55
		152.1	338.0	13.11	319.5	12.28	302.2	12.12	295.4	11.72	282.1	10.77	268.8	10.55
	86	40.6	338.0	12.58	319.5	11.82	302.2	11.05	295.4	10.55	282.1	10.24	268.8	9.38
		50.7	338.0	12.49	319.5	11.72	302.2	10.95	295.4	10.55	282.1	10.14	268.8	9.38
		101.4	338.0	12.12	319.5	11.32	302.2	10.55	295.4	10.55	282.1	9.78	268.8	9.38
		126.8	338.0	12.12	319.5	11.32	302.2	10.55	295.4	10.14	282.1	9.78	268.8	9.38
		152.1	338.0	12.12	319.5	11.32	302.2	10.55	295.4	9.94	282.1	9.78	268.8	9.38
	95	40.6	338.0	11.41	319.5	10.65	302.2	9.78	295.4	9.88	282.1	8.97	268.8	8.71
		50.7	338.0	11.32	319.5	10.55	302.2	9.78	295.4	9.78	282.1	8.97	268.8	8.61
		101.4	338.0	10.95	319.5	10.14	302.2	9.78	295.4	9.38	282.1	8.97	268.8	8.20
		126.8	338.0	10.95	319.5	10.14	302.2	9.38	295.4	9.38	282.1	8.97	268.8	8.20
		152.1	338.0	10.95	319.5	10.14	302.2	9.17	295.4	9.38	282.1	8.97	268.8	8.20
	104	40.6	338.0	10.65	319.5	9.88	302.2	9.06	295.4	8.61	282.1	8.20	268.8	7.89
		50.7	338.0	10.55	319.5	9.78	302.2	8.97	295.4	8.61	282.1	8.20	268.8	7.80
		101.4	338.0	10.14	319.5	9.38	302.2	8.61	295.4	8.61	282.1	8.20	268.8	7.44
		126.8	338.0	10.14	319.5	9.38	302.2	8.61	295.4	8.20	282.1	7.80	268.8	7.44
		152.1	338.0	10.14	319.5	9.38	302.2	8.61	295.4	8.00	282.1	7.60	268.8	7.44
	113	40.6	338.0	9.88	319.5	9.06	302.2	8.40	295.4	7.34	282.1	7.44	268.8	7.13
		50.7	338.0	9.78	319.5	8.97	302.2	8.20	295.4	7.44	282.1	7.44	268.8	7.03
		101.4	338.0	9.38	319.5	8.61	302.2	7.44	295.4	7.80	282.1	7.44	268.8	6.63
		126.8	338.0	9.38	319.5	8.61	302.2	7.80	295.4	7.03	282.1	6.63	268.8	6.63
		152.1	338.0	9.38	319.5	8.61	302.2	7.98	295.4	6.65	282.1	6.22	268.8	6.63

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	40.6	116.1	11.46	108.8	11.03	102.9	10.60	101.7	9.85	101.3	9.69	99.4	8.66
		50.7	120.2	11.72	112.5	11.28	106.5	10.83	105.3	10.06	104.9	9.90	102.9	8.85
		101.4	136.2	12.73	127.4	12.25	120.6	11.76	119.4	10.91	119.0	10.75	116.5	9.62
		126.8	150.3	13.70	140.7	13.22	133.4	12.69	131.8	11.80	131.4	11.60	128.6	10.35
		152.1	157.4	14.19	147.3	13.70	139.9	13.16	138.1	12.25	137.7	12.03	134.7	10.71
	32	40.6	207.7	16.80	191.4	16.21	178.5	15.51	175.0	14.43	172.6	14.23	166.3	12.70
		50.7	209.0	16.85	192.5	16.25	179.6	15.56	176.0	14.47	173.6	14.27	167.2	12.73
		101.4	213.8	17.05	196.9	16.41	184.1	15.76	180.0	14.63	177.6	14.43	170.8	12.85
		126.8	217.0	17.05	200.1	16.41	186.9	15.76	182.8	14.63	180.4	14.43	173.6	12.85
		152.1	218.6	17.05	201.7	16.41	188.3	15.76	184.3	14.63	181.9	14.43	175.0	12.85
	41	40.6	287.1	18.30	270.7	17.61	259.6	16.88	253.2	15.72	242.3	15.48	230.7	13.79
		50.7	287.7	18.39	271.3	17.70	259.6	16.97	253.2	15.80	242.3	15.56	230.7	13.86
		101.4	290.1	18.75	273.3	18.06	259.6	17.34	253.2	16.13	242.3	15.88	230.7	14.14
		126.8	290.1	18.91	272.9	18.19	259.6	17.46	253.2	16.25	242.3	15.96	230.7	14.27
		152.1	290.1	19.00	272.7	18.25	259.6	17.52	253.2	16.31	242.3	16.00	230.7	14.33
	50	40.6	288.6	16.81	271.8	16.08	259.6	15.32	253.2	14.31	242.3	14.03	230.7	12.58
		50.7	288.9	16.81	272.1	16.08	259.6	15.32	253.2	14.35	242.3	14.02	230.7	12.61
		101.4	290.1	16.81	273.3	16.08	259.6	15.32	253.2	14.51	242.3	13.98	230.7	12.73
		126.8	290.1	16.85	272.9	15.92	259.6	15.16	253.2	14.35	242.3	13.86	230.7	12.61
		152.1	290.1	16.87	272.7	15.84	259.6	15.07	253.2	14.27	242.3	13.80	230.7	12.55
	59	40.6	290.1	15.34	272.9	14.57	259.6	13.75	253.2	12.89	242.3	12.58	230.7	11.32
		50.7	290.1	15.24	272.9	14.47	259.6	13.66	253.2	12.89	242.3	12.49	230.7	11.32
		101.4	290.1	14.83	272.9	14.06	259.6	13.30	253.2	12.89	242.3	12.12	230.7	11.32
		126.8	290.1	14.83	272.9	13.66	259.6	12.89	253.2	12.49	242.3	11.72	230.7	10.95
		152.1	290.1	14.83	272.9	13.46	259.6	12.69	253.2	12.28	242.3	11.52	230.7	10.77
	68	40.6	290.1	13.40	272.9	12.58	259.6	11.82	253.2	11.41	242.3	11.05	230.7	10.24
		50.7	290.1	13.30	272.9	12.49	259.6	11.72	253.2	11.32	242.3	10.95	230.7	10.14
		101.4	290.1	12.89	272.9	12.12	259.6	11.32	253.2	10.95	242.3	10.55	230.7	9.78
		126.8	290.1	12.89	272.9	12.12	259.6	11.32	253.2	10.95	242.3	10.55	230.7	9.78
		152.1	290.1	12.89	272.9	12.12	259.6	11.32	253.2	10.95	242.3	10.55	230.7	9.78
	77	40.6	290.1	11.82	272.9	11.05	259.6	10.14	253.2	10.24	242.3	9.38	230.7	9.06
		50.7	290.1	11.72	272.9	10.95	259.6	10.14	253.2	10.14	242.3	9.38	230.7	8.97
		101.4	290.1	11.32	272.9	10.55	259.6	10.14	253.2	9.78	242.3	9.38	230.7	8.61
		126.8	290.1	11.32	272.9	10.55	259.6	9.78	253.2	9.78	242.3	9.38	230.7	8.61
		152.1	290.1	11.32	272.9	10.55	259.6	9.60	253.2	9.78	242.3	9.38	230.7	8.61
	86	40.6	290.1	10.65	272.9	9.88	259.6	9.48	253.2	9.06	242.3	8.71	230.7	8.31
		50.7	290.1	10.55	272.9	9.78	259.6	9.38	253.2	8.97	242.3	8.61	230.7	8.20
		101.4	290.1	10.14	272.9	9.38	259.6	8.97	253.2	8.61	242.3	8.20	230.7	7.80
		126.8	290.1	10.14	272.9	9.38	259.6	8.97	253.2	8.61	242.3	8.20	230.7	7.80
		152.1	290.1	10.14	272.9	9.38	259.6	8.97	253.2	8.61	242.3	8.20	230.7	7.80
	95	40.6	290.1	9.38	272.9	9.06	259.6	8.20	253.2	8.31	242.3	7.89	230.7	7.54
		50.7	290.1	9.38	272.9	8.97	259.6	8.20	253.2	8.20	242.3	7.80	230.7	7.44
		101.4	290.1	9.38	272.9	8.61	259.6	8.20	253.2	7.80	242.3	7.44	230.7	7.03
		126.8	290.1	9.38	272.9	8.61	259.6	7.80	253.2	7.80	242.3	7.44	230.7	7.03
		152.1	290.1	9.38	272.9	8.61	259.6	7.60	253.2	7.80	242.3	7.44	230.7	7.03
	104	40.6	290.1	8.61	272.9	8.31	259.6	7.44	253.2	7.54	242.3	7.13	230.7	6.63
		50.7	290.1	8.61	272.9	8.20	259.6	7.44	253.2	7.44	242.3	7.03	230.7	6.63
		101.4	290.1	8.61	272.9	7.80	259.6	7.44	253.2	7.03	242.3	6.63	230.7	6.63
		126.8	290.1	8.61	272.9	7.80	259.6	7.44	253.2	7.03	242.3	6.63	230.7	6.63
		152.1	290.1	8.61	272.9	7.80	259.6	7.44	253.2	7.03	242.3	6.63	230.7	6.63
	113	40.6	290.1	7.80	272.9	7.54	259.6	6.63	253.2	6.72	242.3	6.37	230.7	5.76
		50.7	290.1	7.80	272.9	7.44	259.6	6.63	253.2	6.63	242.3	6.26	230.7	5.86
		101.4	290.1	7.80	272.9	7.03	259.6	6.63	253.2	6.26	242.3	5.86	230.7	6.26
		126.8	290.1	7.80	272.9	7.03	259.6	7.03	253.2	6.26	242.3	5.86	230.7	6.26
		152.1	290.1	7.80	272.9	7.03	259.6	7.24	253.2	6.26	242.3	5.86	230.7	6.26

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN384DAS4, ARWB384DAS4

384,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	40.6	96.8	9.14	91.0	8.66	85.9	8.19	84.7	7.75	84.3	7.27	82.8	6.89
		50.7	100.1	9.34	94.0	8.85	88.8	8.37	87.6	7.92	87.2	7.44	85.6	7.03
		101.4	112.9	10.10	106.1	9.62	100.5	9.05	99.3	8.61	98.9	8.08	96.8	7.60
		126.8	125.0	10.91	117.3	10.35	110.9	9.78	109.7	9.30	108.9	8.69	107.3	8.20
		152.1	131.1	11.32	123.0	10.71	116.2	10.15	115.0	9.64	114.0	8.99	112.6	8.51
	32	40.6	172.6	13.39	159.8	12.70	148.6	11.96	145.4	11.36	143.4	10.68	138.2	10.07
		50.7	173.6	13.42	160.7	12.73	149.5	12.00	146.3	11.40	144.3	10.71	139.0	10.10
		101.4	177.6	13.54	164.4	12.85	153.1	12.16	149.9	11.56	147.9	10.83	142.3	10.22
		126.8	180.4	13.54	166.8	12.85	155.1	12.16	152.3	11.56	149.9	10.83	144.7	10.22
		152.1	181.9	13.54	168.0	12.85	156.1	12.16	153.5	11.56	150.9	10.83	145.9	10.22
	41	40.6	238.6	14.56	226.2	13.79	215.7	13.02	210.6	12.39	201.3	11.63	192.1	10.93
		50.7	239.1	14.63	226.6	13.86	215.8	13.09	210.6	12.45	201.3	11.68	192.1	10.99
		101.4	241.1	14.91	228.3	14.14	216.2	13.38	210.6	12.69	201.3	11.88	192.1	11.24
		126.8	241.1	15.03	227.9	14.27	216.2	13.46	210.6	12.77	201.3	12.00	192.1	11.32
		152.1	241.1	15.10	227.7	14.33	216.2	13.50	210.6	12.81	201.3	12.06	192.1	11.36
	50	40.6	240.1	13.40	226.7	12.62	215.7	11.86	210.6	11.34	201.3	10.48	192.1	10.00
		50.7	240.3	13.38	227.1	12.61	215.8	11.84	210.6	11.32	201.3	10.51	192.1	9.98
		101.4	241.1	13.30	228.3	12.57	216.2	11.76	210.6	11.24	201.3	10.63	192.1	9.90
		126.8	241.1	13.38	227.9	12.61	216.2	11.80	210.6	11.28	201.3	10.47	192.1	9.94
		152.1	241.1	13.42	227.7	12.63	216.2	11.82	210.6	11.30	201.3	10.39	192.1	9.96
	59	40.6	241.1	12.23	227.9	11.41	216.2	10.65	210.6	10.24	201.3	9.38	192.1	9.06
		50.7	241.1	12.12	227.9	11.32	216.2	10.55	210.6	10.14	201.3	9.38	192.1	8.97
		101.4	241.1	11.72	227.9	10.95	216.2	10.14	210.6	9.78	201.3	9.38	192.1	8.61
		126.8	241.1	11.72	227.9	10.95	216.2	10.14	210.6	9.78	201.3	8.97	192.1	8.61
		152.1	241.1	11.72	227.9	10.95	216.2	10.14	210.6	9.78	201.3	8.77	192.1	8.61
	68	40.6	241.1	10.65	227.9	9.88	216.2	9.48	210.6	9.06	201.3	8.71	192.1	7.80
		50.7	241.1	10.55	227.9	9.78	216.2	9.38	210.6	8.97	201.3	8.61	192.1	7.80
		101.4	241.1	10.14	227.9	9.38	216.2	8.97	210.6	8.61	201.3	8.20	192.1	7.80
		126.8	241.1	10.14	227.9	9.38	216.2	8.97	210.6	8.61	201.3	8.20	192.1	7.80
		152.1	241.1	10.14	227.9	9.38	216.2	8.97	210.6	8.61	201.3	8.20	192.1	7.80
	77	40.6	241.1	9.48	227.9	8.61	216.2	8.31	210.6	7.80	201.3	7.44	192.1	7.03
		50.7	241.1	9.38	227.9	8.61	216.2	8.20	210.6	7.80	201.3	7.44	192.1	7.03
		101.4	241.1	8.97	227.9	8.61	216.2	7.80	210.6	7.80	201.3	7.44	192.1	7.03
		126.8	241.1	8.97	227.9	8.61	216.2	7.80	210.6	7.80	201.3	7.44	192.1	7.03
		152.1	241.1	8.97	227.9	8.61	216.2	7.80	210.6	7.80	201.3	7.44	192.1	7.03
	86	40.6	241.1	8.71	227.9	7.89	216.2	7.54	210.6	7.03	201.3	7.13	192.1	6.72
		50.7	241.1	8.61	227.9	7.80	216.2	7.44	210.6	7.03	201.3	7.03	192.1	6.63
		101.4	241.1	8.20	227.9	7.44	216.2	7.03	210.6	7.03	201.3	6.63	192.1	6.26
		126.8	241.1	8.20	227.9	7.44	216.2	7.03	210.6	7.03	201.3	6.63	192.1	6.26
		152.1	241.1	8.20	227.9	7.44	216.2	7.03	210.6	7.03	201.3	6.63	192.1	6.26
	95	40.6	241.1	7.89	227.9	7.03	216.2	6.63	210.6	6.72	201.3	6.26	192.1	5.86
		50.7	241.1	7.80	227.9	7.03	216.2	6.63	210.6	6.63	201.3	6.26	192.1	5.86
		101.4	241.1	7.44	227.9	7.03	216.2	6.63	210.6	6.26	201.3	6.26	192.1	5.86
		126.8	241.1	7.44	227.9	7.03	216.2	6.63	210.6	6.26	201.3	6.26	192.1	5.86
		152.1	241.1	7.44	227.9	7.03	216.2	6.63	210.6	6.26	201.3	6.26	192.1	5.86
	104	40.6	241.1	7.13	227.9	6.72	216.2	6.37	210.6	5.86	201.3	5.96	192.1	5.46
		50.7	241.1	7.03	227.9	6.63	216.2	6.26	210.6	5.86	201.3	5.86	192.1	5.46
		101.4	241.1	6.63	227.9	6.26	216.2	5.86	210.6	5.86	201.3	5.46	192.1	5.46
		126.8	241.1	6.63	227.9	6.26	216.2	5.86	210.6	5.86	201.3	5.46	192.1	5.46
		152.1	241.1	6.63	227.9	6.26	216.2	5.86	210.6	5.86	201.3	5.46	192.1	5.46
	113	40.6	241.1	6.37	227.9	6.47	216.2	6.05	210.6	5.00	201.3	5.65	192.1	5.09
		50.7	241.1	6.26	227.9	6.26	216.2	5.86	210.6	5.09	201.3	5.46	192.1	5.09
		101.4	241.1	5.86	227.9	5.46	216.2	5.09	210.6	5.46	201.3	4.69	192.1	5.09
		126.8	241.1	5.86	227.9	5.46	216.2	5.09	210.6	5.46	201.3	4.69	192.1	5.09
		152.1	241.1	5.86	227.9	5.46	216.2	5.09	210.6	5.46	201.3	4.69	192.1	5.09

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN480DAS4, ARWB480DAS4
480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	48.7	255.5	29.78	253.6	28.04	252.1	26.11	248.7	25.33	251.6	24.67	244.7	22.12
		60.9	264.2	30.30	262.2	28.59	260.7	26.67	257.2	25.89	260.2	25.20	253.2	22.60
		121.7	298.9	32.36	296.4	30.74	294.9	28.93	290.8	28.10	294.4	27.31	286.8	24.52
		152.1	330.5	34.42	327.5	32.85	325.5	31.19	321.5	30.35	325.5	29.47	317.0	26.43
		182.6	346.5	35.46	343.2	33.92	340.9	32.32	336.9	31.49	341.2	30.56	332.2	27.39
	32	48.7	456.3	40.73	446.0	39.52	436.5	38.23	427.0	37.15	428.5	36.14	408.9	32.36
		60.9	459.1	40.85	448.6	39.62	439.0	38.34	429.5	37.27	431.0	36.24	411.4	32.46
		121.7	470.2	41.29	458.6	40.01	449.1	38.79	439.5	37.71	441.0	36.63	421.5	32.85
		152.1	477.2	41.29	465.7	40.01	456.1	38.79	446.1	37.71	447.6	36.63	427.5	32.85
		182.6	480.8	41.29	469.2	40.01	459.7	38.79	449.4	37.71	450.9	36.63	430.5	32.85
	41	48.7	657.3	43.79	647.4	42.71	633.8	41.62	617.9	40.44	601.3	39.32	568.1	35.22
		60.9	659.6	43.98	648.5	42.91	633.9	41.83	617.9	40.65	601.3	39.52	568.1	35.40
		121.7	668.6	44.77	653.0	43.69	634.4	42.66	617.9	41.48	601.3	40.31	568.1	36.14
		152.1	672.6	45.06	655.0	43.98	634.4	42.95	617.9	41.78	601.3	40.60	568.1	36.38
		182.6	674.6	45.21	656.0	44.13	634.4	43.10	617.9	41.93	601.3	40.75	568.1	36.51
	50	48.7	658.1	39.84	647.5	38.50	631.9	37.78	615.3	36.94	599.0	35.67	565.8	32.19
		60.9	662.1	39.77	650.5	38.54	634.4	37.85	617.9	36.92	601.3	35.65	568.1	32.17
		121.7	677.6	39.47	662.6	38.69	644.5	38.15	627.9	36.87	610.3	35.55	577.2	32.07
		152.1	681.2	40.01	667.1	39.23	648.5	38.30	630.9	37.02	614.3	36.14	580.7	33.59
		182.6	682.9	40.28	669.4	39.50	650.5	38.37	632.4	37.10	616.4	36.43	582.5	34.35
	59	48.7	659.1	35.91	647.6	34.37	629.4	34.01	612.8	33.44	596.7	32.02	563.6	29.18
		60.9	664.6	35.55	652.5	34.23	634.4	33.93	617.9	33.20	601.3	31.77	568.1	28.93
		121.7	686.2	34.13	672.1	33.64	654.5	33.64	638.0	32.22	619.4	30.79	586.2	27.95
		152.1	689.7	34.96	678.6	34.42	662.6	33.64	644.5	32.22	627.9	31.68	593.2	30.79
		182.6	691.5	35.38	681.9	34.82	666.6	33.64	647.8	32.22	632.2	32.12	596.8	32.23
	68	48.7	684.2	32.94	671.7	31.41	654.0	30.72	635.9	29.74	617.4	29.08	580.8	28.18
		60.9	689.7	32.71	677.1	31.38	659.1	30.70	641.0	29.86	622.9	29.27	586.2	27.95
		121.7	711.3	31.77	698.7	31.28	679.1	30.60	661.1	30.35	644.5	30.06	607.8	27.02
		152.1	714.3	31.77	703.8	31.28	687.2	30.79	667.6	30.35	649.5	30.06	612.8	28.73
		182.6	715.8	31.77	706.3	31.28	691.2	30.89	670.9	30.35	652.0	30.06	615.4	29.60
	77	48.7	722.3	31.41	703.8	30.50	687.2	29.99	674.1	29.48	659.1	29.05	621.4	27.14
		60.9	722.3	31.28	703.8	30.45	687.2	29.86	674.1	29.37	659.1	28.93	621.4	27.02
		121.7	722.3	30.79	703.8	30.25	687.2	29.37	674.1	28.93	659.1	28.44	621.4	26.53
		152.1	722.3	30.35	703.8	29.47	687.2	28.93	674.1	28.44	659.1	27.95	621.4	26.09
		182.6	722.3	30.13	703.8	29.07	687.2	28.71	674.1	28.19	659.1	27.70	621.4	25.86
	86	48.7	722.3	30.60	703.8	29.08	687.2	28.81	674.1	28.06	659.1	27.76	621.4	25.83
		60.9	722.3	30.35	703.8	29.03	687.2	28.64	674.1	27.95	659.1	27.51	621.4	25.60
		121.7	722.3	29.37	703.8	28.83	687.2	27.95	674.1	27.51	659.1	26.53	621.4	24.66
		152.1	722.3	28.93	703.8	28.05	687.2	27.51	674.1	27.02	659.1	26.53	621.4	24.66
		182.6	722.3	28.71	703.8	27.65	687.2	27.29	674.1	26.77	659.1	26.53	621.4	24.66
	95	48.7	722.3	29.18	703.8	28.21	687.2	27.63	674.1	26.64	659.1	25.72	621.4	23.92
		60.9	722.3	28.93	703.8	28.05	687.2	27.51	674.1	26.53	659.1	25.60	621.4	23.68
		121.7	722.3	27.95	703.8	27.41	687.2	27.02	674.1	26.09	659.1	25.11	621.4	22.75
		152.1	722.3	27.95	703.8	27.12	687.2	26.53	674.1	25.60	659.1	24.66	621.4	22.75
		182.6	722.3	27.95	703.8	26.97	687.2	26.28	674.1	25.35	659.1	24.44	621.4	22.75
	104	48.7	722.3	28.18	703.8	27.29	687.2	26.76	674.1	25.83	659.1	24.91	621.4	22.50
		60.9	722.3	27.95	703.8	27.12	687.2	26.53	674.1	25.60	659.1	24.66	621.4	22.26
		121.7	722.3	27.02	703.8	26.43	687.2	25.60	674.1	24.66	659.1	23.68	621.4	21.33
		152.1	722.3	26.53	703.8	25.99	687.2	25.60	674.1	24.66	659.1	23.68	621.4	21.33
		182.6	722.3	26.28	703.8	25.77	687.2	25.60	674.1	24.66	659.1	23.68	621.4	21.33
	113	48.7	722.3	27.25	703.8	26.36	687.2	25.96	674.1	25.02	659.1	24.04	621.4	21.07
		60.9	722.3	27.02	703.8	26.18	687.2	25.60	674.1	24.66	659.1	23.68	621.4	20.84
		121.7	722.3	26.09	703.8	25.50	687.2	24.17	674.1	23.24	659.1	22.26	621.4	19.91
		152.1	722.3	25.11	703.8	24.86	687.2	24.66	674.1	23.68	659.1	22.75	621.4	19.91
		182.6	722.3	24.61	703.8	24.54	687.2	24.91	674.1	23.91	659.1	23.00	621.4	19.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN480DAS4, ARWB480DAS4
480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	48.7	242.8	29.78	240.9	28.04	239.4	26.11	236.5	25.00	238.4	24.28	232.1	21.73
		60.9	251.2	30.30	249.2	28.59	247.6	26.67	244.6	25.55	246.6	24.81	240.1	22.21
		121.7	284.3	32.36	281.8	30.74	280.3	28.93	276.8	27.70	279.3	26.92	271.8	24.12
		152.1	314.0	34.42	311.4	32.85	309.4	31.19	305.9	29.91	308.4	29.03	299.9	25.99
		182.6	328.9	35.46	326.4	33.92	324.1	32.32	320.6	31.02	323.1	30.09	314.1	26.93
	32	48.7	434.0	40.73	423.4	39.52	414.4	38.23	406.0	36.62	406.0	35.60	387.4	31.82
		60.9	436.5	40.85	426.0	39.62	416.9	38.34	408.4	36.73	408.4	35.70	389.8	31.92
		121.7	446.6	41.29	436.0	40.01	427.0	38.79	417.9	37.17	417.9	36.09	399.3	32.31
		152.1	453.6	41.29	443.1	40.01	433.5	38.79	424.5	37.17	424.0	36.09	405.4	32.31
		182.6	457.1	41.29	446.6	40.01	436.8	38.79	427.8	37.17	427.0	36.09	408.4	32.31
	41	48.7	625.6	43.79	616.2	42.71	602.8	41.62	588.2	39.85	569.6	38.74	538.5	34.69
		60.9	627.9	43.98	617.4	42.91	602.8	41.83	588.2	40.06	569.6	38.93	538.5	34.86
		121.7	636.9	44.77	621.9	43.69	602.8	42.66	588.2	40.89	569.6	39.72	538.5	35.55
		152.1	640.5	45.06	618.4	43.98	602.8	42.95	588.2	41.19	569.6	40.01	538.5	35.80
		182.6	642.2	45.21	616.6	44.13	602.8	43.10	588.2	41.34	569.6	40.16	538.5	35.92
	50	48.7	628.0	39.34	616.3	38.25	601.1	37.47	586.6	36.33	568.1	35.13	537.1	31.59
		60.9	630.9	39.47	618.9	38.39	602.8	37.61	588.2	36.38	569.6	35.11	538.5	31.63
		121.7	642.5	40.01	628.9	38.98	609.3	38.15	594.8	36.58	575.7	35.01	544.0	31.77
		152.1	646.0	39.87	626.9	38.98	611.8	38.30	597.3	36.73	578.2	35.16	546.5	32.85
		182.6	647.8	39.79	625.9	38.98	613.1	38.37	598.5	36.80	579.4	35.23	547.8	33.40
	59	48.7	629.8	34.89	617.1	33.86	599.4	33.33	584.9	32.83	566.7	31.52	535.6	28.56
		60.9	633.4	34.96	620.9	33.93	602.8	33.39	588.2	32.71	569.6	31.28	538.5	28.44
		121.7	648.0	35.26	635.9	34.23	616.4	33.64	601.3	32.22	581.2	30.35	550.0	27.95
		152.1	651.5	34.72	635.4	33.93	621.4	33.64	606.3	32.22	586.2	30.35	555.1	29.86
		182.6	653.3	34.44	635.2	33.78	623.9	33.64	608.8	32.22	588.7	30.35	557.6	30.83
	68	48.7	647.3	31.38	635.2	30.04	615.9	29.25	599.0	28.82	579.5	28.46	548.3	27.02
		60.9	651.5	31.38	639.0	30.16	619.4	29.37	602.8	28.93	583.2	28.44	551.6	26.92
		121.7	668.1	31.38	654.0	30.60	632.9	29.86	617.9	29.37	597.8	28.34	564.6	26.53
		152.1	671.1	31.09	653.5	30.35	638.0	29.86	621.4	29.37	601.3	28.44	568.1	27.51
		182.6	672.6	30.94	653.3	30.23	640.5	29.86	623.1	29.37	603.1	28.49	569.9	28.00
	77	48.7	678.8	29.68	659.1	28.29	638.0	27.75	624.4	27.14	607.8	26.64	574.7	24.79
		60.9	679.1	29.57	659.1	28.24	638.0	27.70	624.4	27.02	607.8	26.53	574.7	24.66
		121.7	680.7	29.13	659.1	28.05	638.0	27.51	624.4	26.53	607.8	26.09	574.7	24.17
		152.1	682.7	28.05	659.1	27.31	638.0	27.02	624.4	26.53	607.8	25.60	574.7	24.17
		182.6	683.7	27.50	659.1	26.94	638.0	26.77	624.4	26.53	607.8	25.35	574.7	24.17
	86	48.7	682.7	28.38	659.1	26.98	638.0	26.21	624.4	25.22	607.8	24.91	574.7	22.88
		60.9	682.7	28.15	659.1	26.82	638.0	26.09	624.4	25.11	607.8	24.66	574.7	22.75
		121.7	682.7	27.21	659.1	26.18	638.0	25.60	624.4	24.66	607.8	23.68	574.7	22.26
		152.1	682.7	26.33	659.1	25.60	638.0	25.11	624.4	24.66	607.8	23.68	574.7	21.82
		182.6	682.7	25.89	659.1	25.30	638.0	24.86	624.4	24.66	607.8	23.68	574.7	21.60
	95	48.7	682.7	27.11	659.1	25.64	638.0	24.91	624.4	23.92	607.8	22.99	574.7	20.95
		60.9	682.7	26.72	659.1	25.40	638.0	24.66	624.4	23.68	607.8	22.75	574.7	20.84
		121.7	682.7	25.20	659.1	24.47	638.0	23.68	624.4	22.75	607.8	21.82	574.7	20.40
		152.1	682.7	24.91	659.1	24.27	638.0	23.68	624.4	22.75	607.8	21.82	574.7	19.91
		182.6	682.7	24.76	659.1	24.17	638.0	23.68	624.4	22.75	607.8	21.82	574.7	19.66
	104	48.7	682.7	26.30	659.1	24.46	638.0	23.49	624.4	22.50	607.8	21.57	574.7	19.53
		60.9	682.7	25.79	659.1	24.17	638.0	23.24	624.4	22.26	607.8	21.33	574.7	19.42
		121.7	682.7	23.78	659.1	23.05	638.0	22.26	624.4	21.33	607.8	20.40	574.7	18.98
		152.1	682.7	23.49	659.1	22.75	638.0	22.26	624.4	21.33	607.8	20.40	574.7	18.49
		182.6	682.7	23.34	659.1	22.60	638.0	22.26	624.4	21.33	607.8	20.40	574.7	18.24
	113	48.7	682.7	25.49	659.1	23.28	638.0	22.07	624.4	21.07	607.8	20.14	574.7	18.11
		60.9	682.7	24.86	659.1	22.95	638.0	21.82	624.4	20.84	607.8	19.91	574.7	18.00
		121.7	682.7	22.36	659.1	21.62	638.0	20.84	624.4	19.91	607.8	18.98	574.7	17.55
		152.1	682.7	22.07	659.1	21.23	638.0	20.84	624.4	19.91	607.8	18.98	574.7	17.06
		182.6	682.7	21.92	659.1	21.03	638.0	20.84	624.4	19.91	607.8	18.98	574.7	16.82

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN480DAS4, ARWB480DAS4
480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
110	23	48.7	229.7	30.18	228.2	28.04	226.7	26.11	224.3	25.00	225.0	24.28	219.9	21.73
		60.9	237.6	30.70	236.1	28.59	234.6	26.67	232.1	25.55	232.6	24.81	227.6	22.21
		121.7	268.7	32.76	267.2	30.74	265.7	28.93	262.7	27.70	262.7	26.92	257.7	24.12
		152.1	296.9	34.86	294.9	32.85	293.4	31.19	290.3	29.91	290.3	29.03	284.3	25.99
		182.6	311.1	35.93	308.8	33.92	307.3	32.32	304.3	31.02	304.3	30.09	297.7	26.93
	32	48.7	410.5	41.29	401.5	39.52	393.0	38.23	385.5	36.62	382.0	35.60	367.6	31.82
		60.9	412.9	41.39	403.9	39.62	395.3	38.34	387.8	36.73	384.3	35.70	369.7	31.92
		121.7	422.5	41.78	413.4	40.01	404.4	38.79	396.8	37.17	393.3	36.09	378.3	32.31
		152.1	429.0	41.78	419.9	40.01	410.9	38.79	402.9	37.17	399.3	36.09	383.8	32.31
		182.6	432.3	41.78	423.2	40.01	414.2	38.79	405.9	37.17	402.4	36.09	386.6	32.31
	41	48.7	598.8	44.37	584.6	42.71	571.0	41.62	558.1	39.85	536.5	38.74	510.4	34.69
		60.9	600.8	44.57	585.7	42.91	571.1	41.83	558.1	40.06	536.5	38.93	510.4	34.86
		121.7	608.8	45.36	590.2	43.69	571.6	42.66	558.1	40.89	536.5	39.72	510.4	35.55
		152.1	612.3	45.65	591.7	43.98	571.6	42.95	558.1	41.19	536.5	40.01	510.4	35.80
		182.6	614.1	45.80	592.5	44.13	571.6	43.10	558.1	41.34	536.5	40.16	510.4	35.92
	50	48.7	601.0	39.79	586.2	38.43	570.3	37.60	557.2	36.33	535.6	35.13	509.7	31.59
		60.9	603.3	39.87	587.7	38.54	571.1	37.71	558.1	36.38	536.5	35.11	510.4	31.63
		121.7	612.3	40.16	593.7	38.98	574.7	38.15	561.6	36.58	540.0	35.01	512.9	31.77
		152.1	615.9	40.16	596.3	38.98	576.7	38.05	562.6	36.48	541.0	35.16	514.4	32.12
		182.6	617.6	40.16	597.5	38.98	577.7	38.00	563.1	36.43	541.5	35.23	515.1	32.29
	59	48.7	602.8	35.21	587.1	34.23	570.0	33.64	556.4	32.83	534.7	31.52	509.1	28.56
		60.9	605.3	35.16	589.2	34.23	571.6	33.64	558.1	32.71	536.5	31.28	510.4	28.44
		121.7	615.3	34.96	597.8	34.23	578.2	33.64	564.6	32.22	543.5	30.35	515.4	27.95
		152.1	618.9	34.72	600.8	33.93	581.2	33.20	566.6	31.77	545.0	30.35	518.4	28.44
		182.6	620.6	34.59	602.3	33.78	582.7	32.97	567.6	31.55	545.8	30.35	519.9	28.69
	68	48.7	614.1	30.39	597.2	29.67	578.0	28.93	562.5	28.44	541.9	27.63	513.4	25.84
		60.9	617.4	30.45	599.3	29.67	579.7	28.93	564.6	28.44	543.5	27.51	515.4	25.79
		121.7	630.4	30.70	607.3	29.67	586.2	28.93	573.2	28.44	550.0	27.02	523.4	25.60
		152.1	633.9	30.70	612.3	29.67	589.7	28.93	574.7	27.95	553.1	27.02	524.9	25.60
		182.6	635.7	30.70	614.9	29.67	591.5	28.93	575.4	27.70	554.6	27.02	525.7	25.60
	77	48.7	633.2	27.66	614.3	26.64	589.7	26.21	576.7	25.22	556.6	24.30	526.9	22.26
		60.9	634.4	27.61	614.3	26.53	589.7	26.09	576.7	25.11	556.6	24.17	526.9	22.26
		121.7	639.5	27.41	614.3	26.09	589.7	25.60	576.7	24.66	556.6	23.68	526.9	22.26
		152.1	642.5	27.41	614.3	26.18	589.7	25.11	576.7	24.66	556.6	23.24	526.9	21.82
		182.6	644.0	27.41	614.3	26.23	589.7	24.86	576.7	24.66	556.6	23.02	526.9	21.60
	86	48.7	642.5	25.22	614.3	24.30	589.7	23.37	576.7	22.88	556.6	21.45	526.9	20.03
		60.9	642.5	25.11	614.3	24.17	589.7	23.24	576.7	22.75	556.6	21.33	526.9	19.91
		121.7	642.5	24.66	614.3	23.68	589.7	22.75	576.7	22.26	556.6	20.84	526.9	19.42
		152.1	642.5	24.47	614.3	23.24	589.7	22.26	576.7	21.82	556.6	20.84	526.9	19.42
		182.6	642.5	24.37	614.3	23.02	589.7	22.01	576.7	21.60	556.6	20.84	526.9	19.42
	95	48.7	642.5	23.92	614.3	22.37	589.7	21.45	576.7	20.52	556.6	19.53	526.9	18.11
		60.9	642.5	23.68	614.3	22.26	589.7	21.33	576.7	20.40	556.6	19.42	526.9	18.00
		121.7	642.5	22.75	614.3	21.82	589.7	20.84	576.7	19.91	556.6	18.98	526.9	17.55
		152.1	642.5	22.16	614.3	21.33	589.7	20.40	576.7	19.91	556.6	18.98	526.9	17.55
		182.6	642.5	21.87	614.3	21.08	589.7	20.18	576.7	19.91	556.6	18.98	526.9	17.55
	104	48.7	642.5	22.50	614.3	21.57	589.7	20.14	576.7	19.10	556.6	18.11	526.9	16.69
		60.9	642.5	22.26	614.3	21.33	589.7	19.91	576.7	18.98	556.6	18.00	526.9	16.57
		121.7	642.5	21.33	614.3	20.40	589.7	18.98	576.7	18.49	556.6	17.55	526.9	16.13
		152.1	642.5	21.04	614.3	19.91	589.7	18.98	576.7	18.00	556.6	17.06	526.9	15.64
		182.6	642.5	20.89	614.3	19.66	589.7	18.98	576.7	17.75	556.6	16.82	526.9	15.39
	113	48.7	642.5	21.07	614.3	20.76	589.7	18.85	576.7	17.68	556.6	16.69	526.9	15.26
		60.9	642.5	20.84	614.3	20.40	589.7	18.49	576.7	17.55	556.6	16.57	526.9	15.15
		121.7	642.5	19.91	614.3	18.98	589.7	17.06	576.7	17.06	556.6	16.13	526.9	14.71
		152.1	642.5	19.91	614.3	18.49	589.7	17.55	576.7	16.13	556.6	15.15	526.9	13.73
		182.6	642.5	19.91	614.3	18.24	589.7	17.80	576.7	15.66	556.6	14.66	526.9	13.24

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN480DAS4, ARWB480DAS4
480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
100	23	48.7	217.1	30.18	215.5	28.43	214.7	26.11	212.8	25.00	210.8	23.89	206.8	21.73
		60.9	224.5	30.70	223.0	28.98	222.0	26.67	220.0	25.55	218.0	24.42	214.0	22.21
		121.7	254.2	32.76	252.7	31.14	251.2	28.93	248.7	27.70	246.6	26.53	242.6	24.12
		152.1	280.8	34.86	278.8	33.29	277.3	31.19	274.8	29.91	272.8	28.59	267.7	25.99
		182.6	294.2	35.93	292.0	34.38	290.4	32.32	287.9	31.02	285.9	29.62	280.4	26.93
	32	48.7	388.0	41.29	379.5	40.06	371.6	38.23	365.0	36.62	358.5	35.06	346.1	31.82
		60.9	390.3	41.39	381.8	40.16	373.7	38.34	367.2	36.73	360.7	35.16	348.1	31.92
		121.7	399.3	41.78	390.8	40.55	382.3	38.79	375.7	37.17	369.2	35.55	356.1	32.31
		152.1	405.4	41.78	396.8	40.55	388.3	38.79	381.3	37.17	374.7	35.55	361.7	32.31
		182.6	408.4	41.78	399.9	40.55	391.3	38.79	384.0	37.17	377.5	35.55	364.5	32.31
	41	48.7	572.6	44.37	553.6	43.30	539.4	41.62	528.4	39.85	503.3	38.15	480.2	34.69
		60.9	574.7	44.57	554.6	43.49	539.5	41.83	528.4	40.06	503.3	38.34	480.2	34.86
		121.7	582.7	45.36	558.6	44.28	540.0	42.66	528.4	40.89	503.3	39.13	480.2	35.55
		152.1	586.2	45.65	560.1	44.57	540.0	42.95	528.4	41.19	503.3	39.37	480.2	35.80
		182.6	588.0	45.80	560.9	44.72	540.0	43.10	528.4	41.34	503.3	39.50	480.2	35.92
	50	48.7	575.8	39.68	555.3	38.81	540.0	37.60	528.4	36.33	503.3	34.53	480.2	31.59
		60.9	577.2	39.87	556.1	38.93	540.0	37.71	528.4	36.38	503.3	34.57	480.2	31.63
		121.7	582.7	40.60	559.1	39.42	540.0	38.15	528.4	36.58	503.3	34.72	480.2	31.77
		152.1	586.7	40.45	561.6	39.42	540.0	38.05	528.4	36.48	503.3	34.62	480.2	31.63
		182.6	588.7	40.38	562.9	39.42	540.0	38.00	528.4	36.43	503.3	34.57	480.2	31.55
	59	48.7	578.9	34.98	557.7	34.40	540.0	33.64	528.4	32.83	503.3	30.91	480.2	28.56
		60.9	579.7	35.16	558.1	34.42	540.0	33.64	528.4	32.71	503.3	30.79	480.2	28.44
		121.7	582.7	35.84	559.6	34.52	540.0	33.64	528.4	32.22	503.3	30.35	480.2	27.95
		152.1	587.7	35.26	562.6	34.23	540.0	33.20	528.4	31.77	503.3	29.86	480.2	27.51
		182.6	590.3	34.96	564.1	34.08	540.0	32.97	528.4	31.55	503.3	29.61	480.2	27.29
	68	48.7	582.0	29.92	560.7	29.15	540.0	28.44	528.4	28.06	503.3	26.21	480.2	24.91
		60.9	584.2	30.06	561.1	29.18	540.0	28.44	528.4	27.95	503.3	26.09	480.2	24.66
		121.7	592.7	30.60	562.6	29.27	540.0	28.44	528.4	27.51	503.3	25.60	480.2	23.68
		152.1	596.3	30.06	567.6	29.03	540.0	27.95	528.4	27.02	503.3	25.11	480.2	23.24
		182.6	598.0	29.79	570.2	28.90	540.0	27.70	528.4	26.77	503.3	24.86	480.2	23.02
	77	48.7	589.1	26.16	569.6	25.34	540.0	24.30	528.4	23.37	503.3	21.94	480.2	19.91
		60.9	591.2	26.18	569.6	25.20	540.0	24.17	528.4	23.24	503.3	21.82	480.2	19.91
		121.7	599.8	26.28	569.6	24.66	540.0	23.68	528.4	22.75	503.3	21.33	480.2	19.91
		152.1	602.8	25.69	569.6	24.47	540.0	23.24	528.4	22.26	503.3	21.33	480.2	19.42
		182.6	604.3	25.40	569.6	24.37	540.0	23.02	528.4	22.01	503.3	21.33	480.2	19.17
	86	48.7	602.8	23.80	569.6	21.94	540.0	20.45	528.4	20.03	503.3	18.49	480.2	17.68
		60.9	602.8	23.68	569.6	21.82	540.0	20.40	528.4	19.91	503.3	18.49	480.2	17.55
		121.7	602.8	23.24	569.6	21.33	540.0	20.20	528.4	19.42	503.3	18.49	480.2	17.06
		152.1	602.8	22.75	569.6	21.33	540.0	19.91	528.4	19.42	503.3	18.00	480.2	17.06
		182.6	602.8	22.50	569.6	21.33	540.0	19.76	528.4	19.42	503.3	17.75	480.2	17.06
	95	48.7	602.8	22.07	569.6	20.14	540.0	18.05	528.4	17.68	503.3	16.69	480.2	15.26
		60.9	602.8	21.82	569.6	19.91	540.0	18.00	528.4	17.55	503.3	16.57	480.2	15.15
		121.7	602.8	20.84	569.6	18.98	540.0	17.80	528.4	17.06	503.3	16.13	480.2	14.71
		152.1	602.8	20.84	569.6	18.98	540.0	17.55	528.4	17.06	503.3	16.13	480.2	14.71
		182.6	602.8	20.84	569.6	18.98	540.0	17.43	528.4	17.06	503.3	16.13	480.2	14.71
	104	48.7	602.8	20.65	569.6	18.72	540.0	16.18	528.4	15.77	503.3	14.83	480.2	13.84
		60.9	602.8	20.40	569.6	18.49	540.0	16.13	528.4	15.64	503.3	14.71	480.2	13.73
		121.7	602.8	19.42	569.6	17.55	540.0	15.94	528.4	15.15	503.3	14.22	480.2	13.29
		152.1	602.8	18.98	569.6	17.55	540.0	15.64	528.4	15.15	503.3	14.22	480.2	13.29
		182.6	602.8	18.75	569.6	17.55	540.0	15.49	528.4	15.15	503.3	14.22	480.2	13.29
	113	48.7	602.8	19.22	569.6	17.30	540.0	14.27	528.4	13.84	503.3	12.92	480.2	12.42
		60.9	602.8	18.98	569.6	17.06	540.0	14.22	528.4	13.73	503.3	12.80	480.2	12.31
		121.7	602.8	18.00	569.6	16.13	540.0	14.02	528.4	13.29	503.3	12.31	480.2	11.87
		152.1	602.8	17.06	569.6	16.13	540.0	13.73	528.4	13.29	503.3	12.31	480.2	11.87
		182.6	602.8	16.59	569.6	16.13	540.0	13.58	528.4	13.29	503.3	12.31	480.2	11.87

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
90	23	48.7	204.9	28.01	198.6	25.51	192.8	22.40	191.3	21.35	189.8	20.58	186.5	18.47
		60.9	212.0	28.49	205.5	25.99	199.4	22.90	197.9	21.82	196.4	21.04	192.9	18.88
		121.7	240.1	30.40	232.6	27.90	225.5	24.86	224.0	23.68	222.5	22.85	218.0	20.50
		152.1	265.2	32.31	256.7	29.86	249.2	26.82	247.1	25.55	245.6	24.62	241.1	22.11
		182.6	277.9	33.28	268.8	30.85	261.1	27.81	258.8	26.49	257.3	25.50	252.8	22.93
	32	48.7	366.5	38.15	349.6	35.79	333.5	32.86	328.6	31.34	323.1	30.17	311.0	27.09
		60.9	368.7	38.25	351.6	35.89	335.6	32.95	330.5	31.43	325.0	30.25	312.9	27.17
		121.7	377.2	38.64	359.7	36.29	343.6	33.29	338.1	31.77	332.5	30.60	320.5	27.46
		152.1	382.8	38.64	365.2	36.29	349.1	33.29	343.1	31.77	338.1	30.60	325.5	27.46
		182.6	385.6	38.64	368.0	36.29	351.9	33.29	345.6	31.77	340.8	30.60	328.0	27.46
	41	48.7	517.9	40.95	501.2	38.65	485.2	35.77	475.2	34.10	454.1	32.83	432.5	29.47
		60.9	518.4	41.14	500.8	38.84	485.2	35.94	475.2	34.28	454.1	33.00	432.5	29.62
		121.7	520.4	41.88	499.3	39.57	485.2	36.63	475.2	34.96	454.1	33.69	432.5	30.21
		152.1	523.4	42.12	500.8	39.82	485.2	36.92	475.2	35.21	454.1	33.93	432.5	30.45
		182.6	524.9	42.24	501.6	39.94	485.2	37.07	475.2	35.33	454.1	34.06	432.5	30.57
	50	48.7	520.7	36.16	503.0	34.39	485.2	32.37	475.2	31.05	454.1	29.79	432.5	26.85
		60.9	520.4	36.19	502.3	34.42	485.2	32.41	475.2	31.09	454.1	29.76	432.5	26.87
		121.7	519.4	36.29	499.8	34.57	485.2	32.56	475.2	31.23	454.1	29.67	432.5	26.97
		152.1	522.9	36.19	501.3	34.47	485.2	32.46	475.2	31.14	454.1	29.76	432.5	27.07
		182.6	524.7	36.14	502.1	34.42	485.2	32.41	475.2	31.09	454.1	29.81	432.5	27.12
	59	48.7	523.3	31.31	504.7	30.18	485.2	29.05	475.2	28.06	454.1	26.76	432.5	24.30
		60.9	522.4	31.19	503.8	30.06	485.2	28.93	475.2	27.95	454.1	26.53	432.5	24.17
		121.7	518.9	30.70	500.3	29.57	485.2	28.44	475.2	27.51	454.1	25.60	432.5	23.68
		152.1	522.4	30.25	501.8	29.13	485.2	27.95	475.2	27.02	454.1	25.60	432.5	23.68
		182.6	524.2	30.03	502.6	28.90	485.2	27.70	475.2	26.77	454.1	25.60	432.5	23.68
	68	48.7	526.4	26.43	506.9	25.67	485.2	24.79	475.2	23.80	454.1	22.99	432.5	21.57
		60.9	525.9	26.43	505.8	25.60	485.2	24.66	475.2	23.68	454.1	22.75	432.5	21.33
		121.7	523.9	26.43	501.8	25.30	485.2	24.17	475.2	23.24	454.1	21.82	432.5	20.40
		152.1	525.4	25.99	503.3	25.11	485.2	24.17	475.2	23.24	454.1	21.82	432.5	20.40
		182.6	526.2	25.77	504.1	25.01	485.2	24.17	475.2	23.24	454.1	21.82	432.5	20.40
	77	48.7	535.2	23.10	513.4	21.87	485.2	20.95	475.2	19.91	454.1	19.10	432.5	17.68
		60.9	536.5	23.05	513.4	21.82	485.2	20.84	475.2	19.91	454.1	18.98	432.5	17.55
		121.7	541.5	22.85	513.4	21.62	485.2	20.40	475.2	19.91	454.1	18.49	432.5	17.06
		152.1	543.5	22.26	513.4	21.13	485.2	20.40	475.2	19.42	454.1	18.49	432.5	17.06
		182.6	544.5	21.97	513.4	20.89	485.2	20.40	475.2	19.17	454.1	18.49	432.5	17.06
	86	48.7	543.5	20.95	513.4	19.53	485.2	18.11	475.2	17.68	454.1	16.69	432.5	15.15
		60.9	543.5	20.84	513.4	19.42	485.2	18.00	475.2	17.55	454.1	16.57	432.5	15.15
		121.7	543.5	20.40	513.4	18.98	485.2	17.55	475.2	17.06	454.1	16.13	432.5	15.15
		152.1	543.5	19.91	513.4	18.49	485.2	17.55	475.2	17.06	454.1	16.13	432.5	14.71
		182.6	543.5	19.66	513.4	18.24	485.2	17.55	475.2	17.06	454.1	16.13	432.5	14.49
	95	48.7	543.5	19.10	513.4	17.68	485.2	16.26	475.2	15.77	454.1	14.83	432.5	13.84
		60.9	543.5	18.98	513.4	17.55	485.2	16.13	475.2	15.64	454.1	14.71	432.5	13.73
		121.7	543.5	18.49	513.4	17.06	485.2	15.64	475.2	15.15	454.1	14.22	432.5	13.29
		152.1	543.5	18.00	513.4	16.57	485.2	15.15	475.2	14.71	454.1	14.22	432.5	13.29
		182.6	543.5	17.75	513.4	16.33	485.2	14.90	475.2	14.49	454.1	14.22	432.5	13.29
	104	48.7	543.5	17.80	513.4	16.26	485.2	14.34	475.2	13.84	454.1	13.41	432.5	12.42
		60.9	543.5	17.55	513.4	16.13	485.2	14.22	475.2	13.73	454.1	13.29	432.5	12.31
		121.7	543.5	16.57	513.4	15.64	485.2	13.73	475.2	13.29	454.1	12.80	432.5	11.87
		152.1	543.5	16.57	513.4	15.64	485.2	13.73	475.2	13.29	454.1	12.80	432.5	11.87
		182.6	543.5	16.57	513.4	15.64	485.2	13.73	475.2	13.29	454.1	12.80	432.5	11.87
	113	48.7	543.5	16.49	513.4	14.83	485.2	12.42	475.2	11.99	454.1	11.99	432.5	11.00
		60.9	543.5	16.13	513.4	14.71	485.2	12.31	475.2	11.87	454.1	11.87	432.5	10.89
		121.7	543.5	14.71	513.4	14.22	485.2	11.87	475.2	11.38	454.1	11.38	432.5	10.44
		152.1	543.5	15.15	513.4	14.71	485.2	12.31	475.2	11.87	454.1	11.38	432.5	10.44
		182.6	543.5	15.37	513.4	14.96	485.2	12.53	475.2	12.11	454.1	11.38	432.5	10.44

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
80	23	48.7	193.8	19.95	181.7	19.19	172.0	18.38	170.0	17.76	169.0	16.94	165.6	15.60
		60.9	200.4	20.40	187.9	19.61	177.8	18.78	175.8	18.14	174.8	17.31	171.3	15.94
		121.7	226.5	22.16	212.5	21.28	200.9	20.35	198.9	19.66	197.9	18.78	193.9	17.26
		152.1	250.7	23.88	234.6	22.95	222.0	21.97	219.5	21.23	218.5	20.25	214.0	18.63
		182.6	262.8	24.74	245.7	23.79	232.7	22.78	229.9	22.02	228.9	20.99	224.1	19.32
	32	48.7	346.0	29.28	319.1	28.11	297.1	26.94	291.6	26.01	287.6	24.79	276.6	22.84
		60.9	348.1	29.37	321.0	28.19	298.9	27.02	293.4	26.09	289.3	24.86	278.3	22.90
		121.7	356.7	29.71	328.5	28.54	305.9	27.31	300.4	26.38	296.4	25.15	284.8	23.14
		152.1	361.7	29.71	333.5	28.54	310.9	27.31	304.9	26.38	300.9	25.15	289.3	23.14
		182.6	364.2	29.71	336.1	28.54	313.5	27.31	307.2	26.38	303.2	25.15	291.6	23.14
	41	48.7	478.7	31.85	451.7	30.65	431.9	29.26	422.5	28.29	404.4	26.98	384.3	24.82
		60.9	479.7	32.02	452.6	30.79	432.0	29.42	422.5	28.44	404.4	27.12	384.3	24.96
		121.7	483.7	32.71	456.1	31.38	432.5	30.06	422.5	29.03	404.4	27.66	384.3	25.50
		152.1	483.7	32.90	455.6	31.63	432.5	30.25	422.5	29.22	404.4	27.85	384.3	25.65
		182.6	483.7	33.00	455.4	31.75	432.5	30.35	422.5	29.32	404.4	27.95	384.3	25.72
	50	48.7	481.2	29.31	453.6	27.99	431.9	26.56	422.5	25.83	404.4	24.46	384.3	22.64
		60.9	481.7	29.27	454.1	27.95	432.0	26.58	422.5	25.84	404.4	24.47	384.3	22.65
		121.7	483.7	29.13	456.1	27.80	432.5	26.63	422.5	25.89	404.4	24.52	384.3	22.70
		152.1	483.7	29.03	455.6	27.90	432.5	26.72	422.5	25.74	404.4	24.37	384.3	22.56
		182.6	483.7	28.98	455.4	27.95	432.5	26.77	422.5	25.67	404.4	24.30	384.3	22.48
	59	48.7	483.7	26.76	455.6	25.34	432.5	23.80	422.5	23.37	404.4	21.94	384.3	20.52
		60.9	483.7	26.53	455.6	25.11	432.5	23.68	422.5	23.24	404.4	21.82	384.3	20.40
		121.7	483.7	25.60	455.6	24.17	432.5	23.24	422.5	22.75	404.4	21.33	384.3	19.91
		152.1	483.7	25.11	455.6	24.17	432.5	23.24	422.5	22.26	404.4	20.84	384.3	19.42
		182.6	483.7	24.86	455.6	24.17	432.5	23.24	422.5	22.01	404.4	20.59	384.3	19.17
	68	48.7	483.7	22.37	455.6	21.45	432.5	20.40	422.5	20.03	404.4	19.10	384.3	17.68
		60.9	483.7	22.26	455.6	21.33	432.5	20.40	422.5	19.91	404.4	18.98	384.3	17.55
		121.7	483.7	21.82	455.6	20.84	432.5	20.40	422.5	19.42	404.4	18.49	384.3	17.06
		152.1	483.7	21.33	455.6	20.40	432.5	19.91	422.5	19.42	404.4	18.00	384.3	17.06
		182.6	483.7	21.08	455.6	20.18	432.5	19.66	422.5	19.42	404.4	17.75	384.3	17.06
	77	48.7	483.7	20.03	455.6	18.61	432.5	17.55	422.5	17.19	404.4	16.26	384.3	15.26
		60.9	483.7	19.91	455.6	18.49	432.5	17.55	422.5	17.06	404.4	16.13	384.3	15.15
		121.7	483.7	19.42	455.6	18.00	432.5	17.55	422.5	16.57	404.4	15.64	384.3	14.71
		152.1	483.7	18.98	455.6	18.00	432.5	17.06	422.5	16.57	404.4	15.64	384.3	14.71
		182.6	483.7	18.75	455.6	18.00	432.5	16.82	422.5	16.57	404.4	15.64	384.3	14.71
	86	48.7	483.7	17.68	455.6	16.69	432.5	15.77	422.5	15.26	404.4	14.34	384.3	13.41
		60.9	483.7	17.55	455.6	16.57	432.5	15.64	422.5	15.15	404.4	14.22	384.3	13.29
		121.7	483.7	17.06	455.6	16.13	432.5	15.15	422.5	14.71	404.4	13.73	384.3	12.80
		152.1	483.7	17.06	455.6	16.13	432.5	15.15	422.5	14.71	404.4	13.73	384.3	12.80
		182.6	483.7	17.06	455.6	16.13	432.5	15.15	422.5	14.71	404.4	13.73	384.3	12.80
	95	48.7	483.7	16.26	455.6	15.26	432.5	13.84	422.5	13.29	404.4	12.92	384.3	11.87
		60.9	483.7	16.13	455.6	15.15	432.5	13.73	422.5	13.29	404.4	12.80	384.3	11.87
		121.7	483.7	15.64	455.6	14.71	432.5	13.29	422.5	13.29	404.4	12.31	384.3	11.87
		152.1	483.7	15.64	455.6	14.22	432.5	13.29	422.5	12.80	404.4	12.31	384.3	11.38
		182.6	483.7	15.64	455.6	13.97	432.5	13.29	422.5	12.55	404.4	12.31	384.3	11.13
	104	48.7	483.7	15.39	455.6	13.84	432.5	12.31	422.5	12.42	404.4	11.38	384.3	11.00
		60.9	483.7	15.15	455.6	13.73	432.5	12.31	422.5	12.31	404.4	11.38	384.3	10.89
		121.7	483.7	14.22	455.6	13.29	432.5	12.31	422.5	11.87	404.4	11.38	384.3	10.44
		152.1	483.7	14.22	455.6	13.29	432.5	11.87	422.5	11.87	404.4	11.38	384.3	10.44
		182.6	483.7	14.22	455.6	13.29	432.5	11.64	422.5	11.87	404.4	11.38	384.3	10.44
	113	48.7	483.7	14.58	455.6	12.42	432.5	10.76	422.5	11.61	404.4	9.83	384.3	10.19
		60.9	483.7	14.22	455.6	12.31	432.5	10.89	422.5	11.38	404.4	9.95	384.3	9.95
		121.7	483.7	12.80	455.6	11.87	432.5	11.38	422.5	10.44	404.4	10.44	384.3	9.02
		152.1	483.7	12.80	455.6	12.31	432.5	10.44	422.5	10.89	404.4	10.44	384.3	9.46
		182.6	483.7	12.80	455.6	12.53	432.5	9.97	422.5	11.11	404.4	10.44	384.3	9.69

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
70	23	48.7	169.0	17.13	158.8	16.31	150.1	15.79	148.6	14.88	147.6	14.35	145.2	13.05
		60.9	174.8	17.51	164.3	16.67	155.2	16.13	153.7	15.20	152.7	14.66	150.2	13.34
		121.7	197.9	18.98	185.9	18.09	175.3	17.51	173.8	16.48	172.8	15.89	169.8	14.47
		152.1	219.0	20.50	205.5	19.52	193.9	18.88	192.4	17.75	190.9	17.16	187.4	15.59
		182.6	229.6	21.26	215.3	20.23	203.3	19.57	201.8	18.39	200.0	17.80	196.2	16.16
	32	48.7	302.6	25.08	279.7	23.92	259.7	23.12	255.2	21.76	251.1	21.02	242.2	19.12
		60.9	304.4	25.15	281.3	23.98	261.2	23.19	256.7	21.82	252.7	21.08	243.6	19.17
		121.7	311.4	25.45	287.8	24.22	267.2	23.49	262.7	22.07	258.7	21.33	249.2	19.37
		152.1	316.0	25.45	292.4	24.22	271.3	23.49	266.7	22.07	262.7	21.33	253.2	19.37
		182.6	318.2	25.45	294.6	24.22	273.3	23.49	268.8	22.07	264.7	21.33	255.2	19.37
	41	48.7	418.1	27.32	396.1	26.00	377.1	25.17	369.2	23.72	352.6	22.87	336.1	20.78
		60.9	418.9	27.46	396.8	26.14	377.2	25.30	369.2	23.83	352.6	23.00	336.1	20.89
		121.7	422.5	28.00	399.9	26.67	377.7	25.84	369.2	24.27	352.6	23.49	336.1	21.33
		152.1	422.5	28.19	399.3	26.87	377.7	26.04	369.2	24.47	352.6	23.63	336.1	21.48
		182.6	422.5	28.29	399.1	26.97	377.7	26.14	369.2	24.57	352.6	23.71	336.1	21.55
	50	48.7	419.9	25.16	397.5	23.78	377.7	22.90	369.2	21.62	352.6	20.74	336.1	18.98
		60.9	420.4	25.11	397.8	23.73	377.7	22.85	369.2	21.62	352.6	20.74	336.1	18.98
		121.7	422.5	24.91	399.3	23.54	377.7	22.65	369.2	21.62	352.6	20.74	336.1	18.98
		152.1	422.5	25.01	399.3	23.63	377.7	22.75	369.2	21.72	352.6	20.59	336.1	19.03
		182.6	422.5	25.06	399.3	23.68	377.7	22.80	369.2	21.77	352.6	20.52	336.1	19.05
	59	48.7	422.5	22.99	399.3	21.57	377.7	20.65	369.2	19.53	352.6	18.61	336.1	17.19
		60.9	422.5	22.75	399.3	21.33	377.7	20.40	369.2	19.42	352.6	18.49	336.1	17.06
		121.7	422.5	21.82	399.3	20.40	377.7	19.42	369.2	18.98	352.6	18.00	336.1	16.57
		152.1	422.5	21.82	399.3	20.40	377.7	19.42	369.2	18.98	352.6	17.55	336.1	16.57
		182.6	422.5	21.82	399.3	20.40	377.7	19.42	369.2	18.98	352.6	17.33	336.1	16.57
	68	48.7	422.5	19.10	399.3	18.11	377.7	17.68	369.2	17.19	352.6	16.26	336.1	15.26
		60.9	422.5	18.98	399.3	18.00	377.7	17.55	369.2	17.06	352.6	16.13	336.1	15.15
		121.7	422.5	18.49	399.3	17.55	377.7	17.06	369.2	16.57	352.6	15.64	336.1	14.71
		152.1	422.5	18.49	399.3	17.55	377.7	17.06	369.2	16.13	352.6	15.64	336.1	14.22
		182.6	422.5	18.49	399.3	17.55	377.7	17.06	369.2	15.91	352.6	15.64	336.1	13.97
	77	48.7	422.5	17.19	399.3	16.26	377.7	15.26	369.2	14.83	352.6	13.73	336.1	12.80
		60.9	422.5	17.06	399.3	16.13	377.7	15.15	369.2	14.71	352.6	13.73	336.1	12.80
		121.7	422.5	16.57	399.3	15.64	377.7	14.71	369.2	14.22	352.6	13.73	336.1	12.80
		152.1	422.5	16.13	399.3	15.15	377.7	14.71	369.2	14.22	352.6	13.29	336.1	12.80
		182.6	422.5	15.91	399.3	14.90	377.7	14.71	369.2	14.22	352.6	13.07	336.1	12.80
	86	48.7	422.5	15.26	399.3	14.34	377.7	13.41	369.2	12.80	352.6	12.42	336.1	11.38
		60.9	422.5	15.15	399.3	14.22	377.7	13.29	369.2	12.80	352.6	12.31	336.1	11.38
		121.7	422.5	14.71	399.3	13.73	377.7	12.80	369.2	12.80	352.6	11.87	336.1	11.38
		152.1	422.5	14.71	399.3	13.73	377.7	12.80	369.2	12.31	352.6	11.87	336.1	11.38
		182.6	422.5	14.71	399.3	13.73	377.7	12.80	369.2	12.06	352.6	11.87	336.1	11.38
	95	48.7	422.5	13.84	399.3	12.92	377.7	11.87	369.2	11.99	352.6	10.89	336.1	10.57
		60.9	422.5	13.73	399.3	12.80	377.7	11.87	369.2	11.87	352.6	10.89	336.1	10.44
		121.7	422.5	13.29	399.3	12.31	377.7	11.87	369.2	11.38	352.6	10.89	336.1	9.95
		152.1	422.5	13.29	399.3	12.31	377.7	11.38	369.2	11.38	352.6	10.89	336.1	9.95
		182.6	422.5	13.29	399.3	12.31	377.7	11.13	369.2	11.38	352.6	10.89	336.1	9.95
	104	48.7	422.5	12.92	399.3	11.99	377.7	11.00	369.2	10.44	352.6	9.95	336.1	9.58
		60.9	422.5	12.80	399.3	11.87	377.7	10.89	369.2	10.44	352.6	9.95	336.1	9.46
		121.7	422.5	12.31	399.3	11.38	377.7	10.44	369.2	10.44	352.6	9.95	336.1	9.02
		152.1	422.5	12.31	399.3	11.38	377.7	10.44	369.2	9.95	352.6	9.46	336.1	9.02
		182.6	422.5	12.31	399.3	11.38	377.7	10.44	369.2	9.71	352.6	9.22	336.1	9.02
	113	48.7	422.5	11.99	399.3	11.00	377.7	10.19	369.2	8.91	352.6	9.02	336.1	8.66
		60.9	422.5	11.87	399.3	10.89	377.7	9.95	369.2	9.02	352.6	9.02	336.1	8.53
		121.7	422.5	11.38	399.3	10.44	377.7	9.02	369.2	9.46	352.6	9.02	336.1	8.04
		152.1	422.5	11.38	399.3	10.44	377.7	9.46	369.2	8.53	352.6	8.04	336.1	8.04
		182.6	422.5	11.38	399.3	10.44	377.7	9.69	369.2	8.06	352.6	7.55	336.1	8.04

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
60	23	48.7	145.1	13.91	136.0	13.38	128.7	12.86	127.2	11.95	126.7	11.75	124.3	10.50
		60.9	150.2	14.22	140.7	13.68	133.1	13.14	131.6	12.21	131.1	12.01	128.6	10.74
		121.7	170.3	15.45	159.2	14.86	150.7	14.27	149.2	13.24	148.7	13.04	145.7	11.67
		152.1	187.9	16.62	175.8	16.03	166.8	15.40	164.8	14.32	164.3	14.07	160.7	12.55
		182.6	196.7	17.22	184.2	16.63	174.9	15.97	172.6	14.86	172.1	14.59	168.3	13.00
	32	48.7	259.7	20.39	239.2	19.66	223.1	18.82	218.7	17.50	215.7	17.26	207.8	15.41
		60.9	261.2	20.45	240.6	19.71	224.5	18.88	220.0	17.55	217.0	17.31	209.0	15.45
		121.7	267.2	20.69	246.1	19.91	230.1	19.12	225.0	17.75	222.0	17.51	213.5	15.59
		152.1	271.3	20.69	250.2	19.91	233.6	19.12	228.6	17.75	225.5	17.51	217.0	15.59
		182.6	273.3	20.69	252.2	19.91	235.4	19.12	230.3	17.75	227.3	17.51	218.8	15.59
	41	48.7	358.9	22.20	338.4	21.37	324.5	20.48	316.5	19.07	302.9	18.78	288.3	16.73
		60.9	359.7	22.31	339.1	21.48	324.5	20.59	316.5	19.17	302.9	18.88	288.3	16.82
		121.7	362.7	22.75	341.6	21.92	324.5	21.04	316.5	19.56	302.9	19.27	288.3	17.16
		152.1	362.7	22.95	341.1	22.07	324.5	21.18	316.5	19.71	302.9	19.37	288.3	17.31
		182.6	362.7	23.05	340.8	22.14	324.5	21.26	316.5	19.79	302.9	19.42	288.3	17.38
	50	48.7	360.8	20.40	339.7	19.52	324.5	18.58	316.5	17.36	302.9	17.03	288.3	15.26
		60.9	361.2	20.40	340.1	19.52	324.5	18.58	316.5	17.41	302.9	17.01	288.3	15.30
		121.7	362.7	20.40	341.6	19.52	324.5	18.58	316.5	17.60	302.9	16.97	288.3	15.45
		152.1	362.7	20.45	341.1	19.32	324.5	18.39	316.5	17.41	302.9	16.82	288.3	15.30
		182.6	362.7	20.47	340.8	19.22	324.5	18.29	316.5	17.31	302.9	16.74	288.3	15.22
	59	48.7	362.7	18.61	341.1	17.68	324.5	16.69	316.5	15.64	302.9	15.26	288.3	13.73
		60.9	362.7	18.49	341.1	17.55	324.5	16.57	316.5	15.64	302.9	15.15	288.3	13.73
		121.7	362.7	18.00	341.1	17.06	324.5	16.13	316.5	15.64	302.9	14.71	288.3	13.73
		152.1	362.7	18.00	341.1	16.57	324.5	15.64	316.5	15.15	302.9	14.22	288.3	13.29
		182.6	362.7	18.00	341.1	16.33	324.5	15.39	316.5	14.90	302.9	13.97	288.3	13.07
	68	48.7	362.7	16.26	341.1	15.26	324.5	14.34	316.5	13.84	302.9	13.41	288.3	12.42
		60.9	362.7	16.13	341.1	15.15	324.5	14.22	316.5	13.73	302.9	13.29	288.3	12.31
		121.7	362.7	15.64	341.1	14.71	324.5	13.73	316.5	13.29	302.9	12.80	288.3	11.87
		152.1	362.7	15.64	341.1	14.71	324.5	13.73	316.5	13.29	302.9	12.80	288.3	11.87
		182.6	362.7	15.64	341.1	14.71	324.5	13.73	316.5	13.29	302.9	12.80	288.3	11.87
	77	48.7	362.7	14.34	341.1	13.41	324.5	12.31	316.5	12.42	302.9	11.38	288.3	11.00
		60.9	362.7	14.22	341.1	13.29	324.5	12.31	316.5	12.31	302.9	11.38	288.3	10.89
		121.7	362.7	13.73	341.1	12.80	324.5	12.31	316.5	11.87	302.9	11.38	288.3	10.44
		152.1	362.7	13.73	341.1	12.80	324.5	11.87	316.5	11.87	302.9	11.38	288.3	10.44
		182.6	362.7	13.73	341.1	12.80	324.5	11.64	316.5	11.87	302.9	11.38	288.3	10.44
	86	48.7	362.7	12.92	341.1	11.99	324.5	11.50	316.5	11.00	302.9	10.57	288.3	10.08
		60.9	362.7	12.80	341.1	11.87	324.5	11.38	316.5	10.89	302.9	10.44	288.3	9.95
		121.7	362.7	12.31	341.1	11.38	324.5	10.89	316.5	10.44	302.9	9.95	288.3	9.46
		152.1	362.7	12.31	341.1	11.38	324.5	10.89	316.5	10.44	302.9	9.95	288.3	9.46
		182.6	362.7	12.31	341.1	11.38	324.5	10.89	316.5	10.44	302.9	9.95	288.3	9.46
	95	48.7	362.7	11.38	341.1	11.00	324.5	9.95	316.5	10.08	302.9	9.58	288.3	9.15
		60.9	362.7	11.38	341.1	10.89	324.5	9.95	316.5	9.95	302.9	9.46	288.3	9.02
		121.7	362.7	11.38	341.1	10.44	324.5	9.95	316.5	9.46	302.9	9.02	288.3	8.53
		152.1	362.7	11.38	341.1	10.44	324.5	9.46	316.5	9.46	302.9	9.02	288.3	8.53
		182.6	362.7	11.38	341.1	10.44	324.5	9.22	316.5	9.46	302.9	9.02	288.3	8.53
	104	48.7	362.7	10.44	341.1	10.08	324.5	9.02	316.5	9.15	302.9	8.66	288.3	8.04
		60.9	362.7	10.44	341.1	9.95	324.5	9.02	316.5	9.02	302.9	8.53	288.3	8.04
		121.7	362.7	10.44	341.1	9.46	324.5	9.02	316.5	8.53	302.9	8.04	288.3	8.04
		152.1	362.7	10.44	341.1	9.46	324.5	9.02	316.5	8.53	302.9	8.04	288.3	8.04
		182.6	362.7	10.44	341.1	9.46	324.5	9.02	316.5	8.53	302.9	8.04	288.3	8.04
	113	48.7	362.7	9.46	341.1	9.15	324.5	8.04	316.5	8.15	302.9	7.72	288.3	6.99
		60.9	362.7	9.46	341.1	9.02	324.5	8.04	316.5	8.04	302.9	7.60	288.3	7.11
		121.7	362.7	9.46	341.1	8.53	324.5	8.04	316.5	7.60	302.9	7.11	288.3	7.60
		152.1	362.7	9.46	341.1	8.53	324.5	8.53	316.5	7.60	302.9	7.11	288.3	7.60
		182.6	362.7	9.46	341.1	8.53	324.5	8.78	316.5	7.60	302.9	7.11	288.3	7.60

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN480DAS4, ARWB480DAS4

480,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
50	23	48.7	121.0	11.09	113.7	10.50	107.3	9.94	105.8	9.40	105.3	8.82	103.4	8.36
		60.9	125.1	11.33	117.5	10.74	111.0	10.15	109.5	9.61	109.0	9.02	107.0	8.53
		121.7	141.2	12.26	132.6	11.67	125.6	10.98	124.1	10.44	123.6	9.81	121.1	9.22
		152.1	156.2	13.24	146.7	12.55	138.6	11.87	137.1	11.28	136.1	10.54	134.1	9.95
		182.6	163.8	13.73	153.8	13.00	145.2	12.31	143.7	11.70	142.5	10.91	140.7	10.32
	32	48.7	215.7	16.24	199.8	15.41	185.7	14.51	181.7	13.78	179.2	12.96	172.8	12.22
		60.9	217.0	16.28	200.9	15.45	186.9	14.56	182.8	13.83	180.3	12.99	173.8	12.26
		121.7	222.0	16.43	205.5	15.59	191.4	14.76	187.4	14.02	184.9	13.14	177.8	12.41
		152.1	225.5	16.43	208.5	15.59	193.9	14.76	190.4	14.02	187.4	13.14	180.8	12.41
		182.6	227.3	16.43	210.0	15.59	195.2	14.76	191.9	14.02	188.6	13.14	182.4	12.41
	41	48.7	298.2	17.66	282.8	16.73	269.6	15.80	263.2	15.03	251.7	14.11	240.1	13.26
		60.9	298.9	17.75	283.3	16.82	269.7	15.89	263.2	15.10	251.7	14.17	240.1	13.34
		121.7	301.4	18.09	285.3	17.16	270.3	16.23	263.2	15.40	251.7	14.42	240.1	13.63
		152.1	301.4	18.24	284.8	17.31	270.3	16.33	263.2	15.49	251.7	14.56	240.1	13.73
		182.6	301.4	18.31	284.6	17.38	270.3	16.38	263.2	15.54	251.7	14.64	240.1	13.78
	50	48.7	300.1	16.26	283.4	15.31	269.6	14.39	263.2	13.75	251.7	12.71	240.1	12.14
		60.9	300.4	16.23	283.8	15.30	269.7	14.37	263.2	13.73	251.7	12.75	240.1	12.11
		121.7	301.4	16.13	285.3	15.25	270.3	14.27	263.2	13.63	251.7	12.90	240.1	12.01
		152.1	301.4	16.23	284.8	15.30	270.3	14.32	263.2	13.68	251.7	12.70	240.1	12.06
		182.6	301.4	16.28	284.6	15.32	270.3	14.34	263.2	13.71	251.7	12.60	240.1	12.09
	59	48.7	301.4	14.83	284.8	13.84	270.3	12.92	263.2	12.42	251.7	11.38	240.1	11.00
		60.9	301.4	14.71	284.8	13.73	270.3	12.80	263.2	12.31	251.7	11.38	240.1	10.89
		121.7	301.4	14.22	284.8	13.29	270.3	12.31	263.2	11.87	251.7	11.38	240.1	10.44
		152.1	301.4	14.22	284.8	13.29	270.3	12.31	263.2	11.87	251.7	10.89	240.1	10.44
		182.6	301.4	14.22	284.8	13.29	270.3	12.31	263.2	11.87	251.7	10.64	240.1	10.44
	68	48.7	301.4	12.92	284.8	11.99	270.3	11.50	263.2	11.00	251.7	10.57	240.1	9.46
		60.9	301.4	12.80	284.8	11.87	270.3	11.38	263.2	10.89	251.7	10.44	240.1	9.46
		121.7	301.4	12.31	284.8	11.38	270.3	10.89	263.2	10.44	251.7	9.95	240.1	9.46
		152.1	301.4	12.31	284.8	11.38	270.3	10.89	263.2	10.44	251.7	9.95	240.1	9.46
		182.6	301.4	12.31	284.8	11.38	270.3	10.89	263.2	10.44	251.7	9.95	240.1	9.46
	77	48.7	301.4	11.50	284.8	10.44	270.3	10.08	263.2	9.46	251.7	9.02	240.1	8.53
		60.9	301.4	11.38	284.8	10.44	270.3	9.95	263.2	9.46	251.7	9.02	240.1	8.53
		121.7	301.4	10.89	284.8	10.44	270.3	9.46	263.2	9.46	251.7	9.02	240.1	8.53
		152.1	301.4	10.89	284.8	10.44	270.3	9.46	263.2	9.46	251.7	9.02	240.1	8.53
		182.6	301.4	10.89	284.8	10.44	270.3	9.46	263.2	9.46	251.7	9.02	240.1	8.53
	86	48.7	301.4	10.57	284.8	9.58	270.3	9.15	263.2	8.53	251.7	8.66	240.1	8.15
		60.9	301.4	10.44	284.8	9.46	270.3	9.02	263.2	8.53	251.7	8.53	240.1	8.04
		121.7	301.4	9.95	284.8	9.02	270.3	8.53	263.2	8.53	251.7	8.04	240.1	7.60
		152.1	301.4	9.95	284.8	9.02	270.3	8.53	263.2	8.53	251.7	8.04	240.1	7.60
		182.6	301.4	9.95	284.8	9.02	270.3	8.53	263.2	8.53	251.7	8.04	240.1	7.60
	95	48.7	301.4	9.58	284.8	8.53	270.3	8.04	263.2	8.15	251.7	7.60	240.1	7.11
		60.9	301.4	9.46	284.8	8.53	270.3	8.04	263.2	8.04	251.7	7.60	240.1	7.11
		121.7	301.4	9.02	284.8	8.53	270.3	8.04	263.2	7.60	251.7	7.60	240.1	7.11
		152.1	301.4	9.02	284.8	8.53	270.3	8.04	263.2	7.60	251.7	7.60	240.1	7.11
		182.6	301.4	9.02	284.8	8.53	270.3	8.04	263.2	7.60	251.7	7.60	240.1	7.11
	104	48.7	301.4	8.66	284.8	8.15	270.3	7.72	263.2	7.11	251.7	7.23	240.1	6.62
		60.9	301.4	8.53	284.8	8.04	270.3	7.60	263.2	7.11	251.7	7.11	240.1	6.62
		121.7	301.4	8.04	284.8	7.60	270.3	7.11	263.2	7.11	251.7	6.62	240.1	6.62
		152.1	301.4	8.04	284.8	7.60	270.3	7.11	263.2	7.11	251.7	6.62	240.1	6.62
		182.6	301.4	8.04	284.8	7.60	270.3	7.11	263.2	7.11	251.7	6.62	240.1	6.62
	113	48.7	301.4	7.72	284.8	7.85	270.3	7.35	263.2	6.07	251.7	6.85	240.1	6.18
		60.9	301.4	7.60	284.8	7.60	270.3	7.11	263.2	6.18	251.7	6.62	240.1	6.18
		121.7	301.4	7.11	284.8	6.62	270.3	6.18	263.2	6.62	251.7	5.69	240.1	6.18
		152.1	301.4	7.11	284.8	6.62	270.3	6.18	263.2	6.62	251.7	5.69	240.1	6.18
		182.6	301.4	7.11	284.8	6.62	270.3	6.18	263.2	6.62	251.7	5.69	240.1	6.18

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
130	23	60.8	306.6	36.82	304.3	34.67	302.5	32.27	298.4	31.32	301.9	30.50	293.6	27.35
		76.1	317.1	37.46	314.7	35.34	312.8	32.98	308.6	32.01	312.2	31.16	303.8	27.95
		152.1	358.7	40.01	355.6	38.01	353.8	35.77	349.0	34.74	353.2	33.77	344.2	30.31
		190.1	396.6	42.56	393.0	40.62	390.6	38.55	385.8	37.52	390.6	36.43	380.4	32.67
		228.2	415.8	43.84	411.9	41.93	409.1	39.96	404.3	38.93	409.4	37.78	398.6	33.87
	32	60.8	547.6	50.36	535.2	48.86	523.8	47.27	512.3	45.93	514.1	44.68	490.6	40.01
		76.1	551.0	50.50	538.3	48.98	526.8	47.41	515.4	46.07	517.2	44.80	493.7	40.13
		152.1	564.2	51.04	550.3	49.47	538.9	47.95	527.4	46.62	529.3	45.28	505.7	40.62
		190.1	572.7	51.04	558.8	49.47	547.3	47.95	535.3	46.62	537.1	45.28	513.0	40.62
		228.2	576.9	51.04	563.0	49.47	551.6	47.95	539.2	46.62	541.0	45.28	516.6	40.62
	41	60.8	788.7	54.13	776.8	52.80	760.6	51.45	741.4	49.99	721.5	48.62	681.8	43.54
		76.1	791.5	54.38	778.2	53.04	760.7	51.71	741.4	50.25	721.5	48.86	681.8	43.77
		152.1	802.3	55.35	783.6	54.01	761.3	52.74	741.4	51.29	721.5	49.83	681.8	44.68
		190.1	807.1	55.71	786.0	54.38	761.3	53.10	741.4	51.65	721.5	50.19	681.8	44.98
		228.2	809.6	55.89	787.3	54.56	761.3	53.29	741.4	51.83	721.5	50.38	681.8	45.13
	50	60.8	789.8	49.26	777.0	47.60	758.3	46.71	738.4	45.66	718.8	44.10	679.0	39.80
		76.1	794.5	49.16	780.6	47.65	761.3	46.80	741.4	45.65	721.5	44.07	681.8	39.77
		152.1	813.2	48.80	795.1	47.83	773.4	47.16	753.5	45.59	732.4	43.95	692.6	39.65
		190.1	817.4	49.47	800.5	48.50	778.2	47.34	757.1	45.77	737.2	44.68	696.8	41.53
		228.2	819.5	49.80	803.2	48.83	780.6	47.44	758.9	45.86	739.6	45.04	699.0	42.47
	59	60.8	790.9	44.39	777.1	42.50	755.2	42.04	735.3	41.35	716.1	39.59	676.3	36.07
		76.1	797.5	43.95	783.0	42.31	761.3	41.95	741.4	41.04	721.5	39.28	681.8	35.77
		152.1	823.4	42.19	806.5	41.59	785.4	41.59	765.5	39.83	743.2	38.07	703.5	34.55
		190.1	827.6	43.22	814.4	42.56	795.1	41.59	773.4	39.83	753.5	39.16	711.9	38.07
		228.2	829.8	43.74	818.3	43.04	799.9	41.59	777.3	39.83	758.7	39.71	716.1	39.84
	68	60.8	821.1	40.72	806.0	38.83	784.8	37.98	763.1	36.76	740.9	35.95	696.9	34.84
		76.1	827.6	40.43	812.6	38.80	790.9	37.95	769.2	36.92	747.5	36.19	703.5	34.55
		152.1	853.6	39.28	838.5	38.68	815.0	37.83	793.3	37.52	773.4	37.16	729.4	33.40
		190.1	857.2	39.28	844.5	38.68	824.6	38.07	801.1	37.52	779.4	37.16	735.4	35.52
		228.2	859.0	39.28	847.5	38.68	829.5	38.19	805.1	37.52	782.4	37.16	738.4	36.59
	77	60.8	866.8	38.83	844.5	37.71	824.6	37.07	808.9	36.45	790.9	35.92	745.7	33.56
		76.1	866.8	38.68	844.5	37.65	824.6	36.92	808.9	36.31	790.9	35.77	745.7	33.40
		152.1	866.8	38.07	844.5	37.40	824.6	36.31	808.9	35.77	790.9	35.16	745.7	32.80
		190.1	866.8	37.52	844.5	36.43	824.6	35.77	808.9	35.16	790.9	34.55	745.7	32.25
		228.2	866.8	37.25	844.5	35.94	824.6	35.49	808.9	34.85	790.9	34.25	745.7	31.98
	86	60.8	866.8	37.83	844.5	35.95	824.6	35.62	808.9	34.69	790.9	34.31	745.7	31.93
		76.1	866.8	37.52	844.5	35.89	824.6	35.40	808.9	34.55	790.9	34.01	745.7	31.64
		152.1	866.8	36.31	844.5	35.64	824.6	34.55	808.9	34.01	790.9	32.80	745.7	30.49
		190.1	866.8	35.77	844.5	34.68	824.6	34.01	808.9	33.40	790.9	32.80	745.7	30.49
		228.2	866.8	35.49	844.5	34.19	824.6	33.73	808.9	33.10	790.9	32.80	745.7	30.49
	95	60.8	866.8	36.07	844.5	34.87	824.6	34.16	808.9	32.93	790.9	31.80	745.7	29.57
		76.1	866.8	35.77	844.5	34.68	824.6	34.01	808.9	32.80	790.9	31.64	745.7	29.28
		152.1	866.8	34.55	844.5	33.89	824.6	33.40	808.9	32.25	790.9	31.04	745.7	28.13
		190.1	866.8	34.55	844.5	33.52	824.6	32.80	808.9	31.64	790.9	30.49	745.7	28.13
		228.2	866.8	34.55	844.5	33.34	824.6	32.49	808.9	31.34	790.9	30.22	745.7	28.13
	104	60.8	866.8	34.84	844.5	33.74	824.6	33.09	808.9	31.93	790.9	30.80	745.7	27.81
		76.1	866.8	34.55	844.5	33.52	824.6	32.80	808.9	31.64	790.9	30.49	745.7	27.52
		152.1	866.8	33.40	844.5	32.67	824.6	31.64	808.9	30.49	790.9	29.28	745.7	26.37
		190.1	866.8	32.80	844.5	32.13	824.6	31.64	808.9	30.49	790.9	29.28	745.7	26.37
		228.2	866.8	32.49	844.5	31.85	824.6	31.64	808.9	30.49	790.9	29.28	745.7	26.37
	113	60.8	866.8	33.69	844.5	32.59	824.6	32.09	808.9	30.94	790.9	29.72	745.7	26.05
		76.1	866.8	33.40	844.5	32.37	824.6	31.64	808.9	30.49	790.9	29.28	745.7	25.76
		152.1	866.8	32.25	844.5	31.52	824.6	29.89	808.9	28.73	790.9	27.52	745.7	24.61
		190.1	866.8	31.04	844.5	30.73	824.6	30.49	808.9	29.28	790.9	28.13	745.7	24.61
		228.2	866.8	30.43	844.5	30.34	824.6	30.80	808.9	29.55	790.9	28.43	745.7	24.61

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Cooling Capacity

ARWN576DAS4, ARWB576DAS4
576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
120	23	60.8	291.3	36.82	289.1	34.67	287.3	32.27	283.8	30.91	286.1	30.02	278.5	26.86
		76.1	301.4	37.46	299.0	35.34	297.2	32.98	293.6	31.58	296.0	30.67	288.1	27.46
		152.1	341.2	40.01	338.2	38.01	336.4	35.77	332.1	34.25	335.2	33.28	326.1	29.83
		190.1	376.7	42.56	373.7	40.62	371.3	38.55	367.1	36.98	370.1	35.89	359.9	32.13
		228.2	394.7	43.84	391.7	41.93	388.9	39.96	384.7	38.35	387.7	37.20	376.9	33.29
	32	60.8	520.8	50.36	508.1	48.86	497.3	47.27	487.2	45.27	487.2	44.01	464.9	39.34
		76.1	523.8	50.50	511.2	48.98	500.3	47.41	490.1	45.40	490.1	44.13	467.8	39.46
		152.1	535.9	51.04	523.2	49.47	512.4	47.95	501.5	45.95	501.5	44.62	479.2	39.95
		190.1	544.3	51.04	531.7	49.47	520.2	47.95	509.4	45.95	508.8	44.62	486.5	39.95
		228.2	548.6	51.04	535.9	49.47	524.2	47.95	513.3	45.95	512.4	44.62	490.1	39.95
	41	60.8	750.7	54.13	739.5	52.80	723.3	51.45	705.9	49.27	683.6	47.89	646.2	42.89
		76.1	753.5	54.38	740.8	53.04	723.3	51.71	705.9	49.53	683.6	48.13	646.2	43.10
		152.1	764.3	55.35	746.3	54.01	723.3	52.74	705.9	50.56	683.6	49.10	646.2	43.95
		190.1	768.6	55.71	742.0	54.38	723.3	53.10	705.9	50.92	683.6	49.47	646.2	44.25
		228.2	770.7	55.89	739.9	54.56	723.3	53.29	705.9	51.10	683.6	49.65	646.2	44.41
	50	60.8	753.6	48.63	739.6	47.28	721.4	46.33	703.9	44.92	681.7	43.44	644.5	39.05
		76.1	757.1	48.80	742.6	47.47	723.3	46.50	705.9	44.98	683.6	43.40	646.2	39.10
		152.1	771.0	49.47	754.7	48.19	731.2	47.16	713.7	45.22	690.8	43.28	652.8	39.28
		190.1	775.2	49.28	752.3	48.19	734.2	47.34	716.7	45.40	693.8	43.47	655.8	40.62
		228.2	777.3	49.19	751.1	48.19	735.7	47.44	718.2	45.50	695.3	43.56	657.4	41.29
	59	60.8	755.7	43.13	740.5	41.86	719.2	41.21	701.9	40.59	680.1	38.97	642.7	35.31
		76.1	760.1	43.22	745.0	41.95	723.3	41.28	705.9	40.43	683.6	38.68	646.2	35.16
		152.1	777.6	43.59	763.1	42.31	739.6	41.59	721.5	39.83	697.4	37.52	660.1	34.55
		190.1	781.8	42.92	762.5	41.95	745.7	41.59	727.6	39.83	703.5	37.52	666.1	36.92
		228.2	783.9	42.58	762.2	41.77	748.7	41.59	730.6	39.83	706.5	37.52	669.1	38.11
	68	60.8	776.8	38.80	762.2	37.14	739.1	36.16	718.8	35.63	695.4	35.19	657.9	33.40
		76.1	781.8	38.80	766.7	37.28	743.2	36.31	723.3	35.77	699.8	35.16	661.9	33.28
		152.1	801.7	38.80	784.8	37.83	759.5	36.92	741.4	36.31	717.3	35.04	677.5	32.80
		190.1	805.3	38.43	784.2	37.52	765.5	36.92	745.7	36.31	721.5	35.16	681.8	34.01
		228.2	807.2	38.25	783.9	37.37	768.6	36.92	747.8	36.31	723.7	35.22	683.9	34.62
	77	60.8	814.5	36.69	790.9	34.98	765.5	34.31	749.3	33.56	729.4	32.93	689.6	30.65
		76.1	815.0	36.55	790.9	34.92	765.5	34.25	749.3	33.40	729.4	32.80	689.6	30.49
		152.1	816.8	36.01	790.9	34.68	765.5	34.01	749.3	32.80	729.4	32.25	689.6	29.89
		190.1	819.2	34.68	790.9	33.77	765.5	33.40	749.3	32.80	729.4	31.64	689.6	29.89
		228.2	820.4	34.00	790.9	33.31	765.5	33.10	749.3	32.80	729.4	31.34	689.6	29.89
	86	60.8	819.2	35.09	790.9	33.36	765.5	32.40	749.3	31.18	729.4	30.80	689.6	28.28
		76.1	819.2	34.80	790.9	33.16	765.5	32.25	749.3	31.04	729.4	30.49	689.6	28.13
		152.1	819.2	33.64	790.9	32.37	765.5	31.64	749.3	30.49	729.4	29.28	689.6	27.52
		190.1	819.2	32.55	790.9	31.64	765.5	31.04	749.3	30.49	729.4	29.28	689.6	26.98
		228.2	819.2	32.00	790.9	31.28	765.5	30.73	749.3	30.49	729.4	29.28	689.6	26.70
	95	60.8	819.2	33.51	790.9	31.69	765.5	30.80	749.3	29.57	729.4	28.42	689.6	25.90
		76.1	819.2	33.04	790.9	31.40	765.5	30.49	749.3	29.28	729.4	28.13	689.6	25.76
		152.1	819.2	31.16	790.9	30.25	765.5	29.28	749.3	28.13	729.4	26.98	689.6	25.22
		190.1	819.2	30.80	790.9	30.01	765.5	29.28	749.3	28.13	729.4	26.98	689.6	24.61
		228.2	819.2	30.61	790.9	29.89	765.5	29.28	749.3	28.13	729.4	26.98	689.6	24.31
	104	60.8	819.2	32.51	790.9	30.24	765.5	29.04	749.3	27.81	729.4	26.66	689.6	24.14
		76.1	819.2	31.89	790.9	29.89	765.5	28.73	749.3	27.52	729.4	26.37	689.6	24.01
		152.1	819.2	29.40	790.9	28.49	765.5	27.52	749.3	26.37	729.4	25.22	689.6	23.46
		190.1	819.2	29.04	790.9	28.13	765.5	27.52	749.3	26.37	729.4	25.22	689.6	22.85
		228.2	819.2	28.85	790.9	27.94	765.5	27.52	749.3	26.37	729.4	25.22	689.6	22.55
	113	60.8	819.2	31.52	790.9	28.78	765.5	27.28	749.3	26.05	729.4	24.90	689.6	22.39
		76.1	819.2	30.73	790.9	28.37	765.5	26.98	749.3	25.76	729.4	24.61	689.6	22.25
		152.1	819.2	27.64	790.9	26.73	765.5	25.76	749.3	24.61	729.4	23.46	689.6	21.70
		190.1	819.2	27.28	790.9	26.25	765.5	25.76	749.3	24.61	729.4	23.46	689.6	21.10
		228.2	819.2	27.10	790.9	26.00	765.5	25.76	749.3	24.61	729.4	23.46	689.6	20.79

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
110	23	60.8	275.7	37.31	273.9	34.67	272.1	32.27	269.2	30.91	270.0	30.02	263.9	26.86
		76.1	285.1	37.95	283.3	35.34	281.5	32.98	278.5	31.58	279.1	30.67	273.1	27.46
		152.1	322.5	40.49	320.7	38.01	318.9	35.77	315.3	34.25	315.3	33.28	309.2	29.83
		190.1	356.2	43.10	353.8	40.62	352.0	38.55	348.4	36.98	348.4	35.89	341.2	32.13
		228.2	373.3	44.41	370.5	41.93	368.7	39.96	365.1	38.35	365.1	37.20	357.3	33.29
	32	60.8	492.6	51.04	481.8	48.86	471.7	47.27	462.6	45.27	458.4	44.01	441.1	39.34
		76.1	495.5	51.16	484.6	48.98	474.4	47.41	465.4	45.40	461.1	44.13	443.7	39.46
		152.1	506.9	51.65	496.1	49.47	485.2	47.95	476.2	45.95	472.0	44.62	453.9	39.95
		190.1	514.8	51.65	503.9	49.47	493.1	47.95	483.4	45.95	479.2	44.62	460.5	39.95
		228.2	518.7	51.65	507.9	49.47	497.0	47.95	487.1	45.95	482.9	44.62	463.9	39.95
	41	60.8	718.5	54.86	701.5	52.80	685.2	51.45	669.7	49.27	643.8	47.89	612.4	42.89
		76.1	720.9	55.10	702.9	53.04	685.4	51.71	669.7	49.53	643.8	48.13	612.4	43.10
		152.1	730.6	56.07	708.3	54.01	686.0	52.74	669.7	50.56	643.8	49.10	612.4	43.95
		190.1	734.8	56.44	710.1	54.38	686.0	53.10	669.7	50.92	643.8	49.47	612.4	44.25
		228.2	736.9	56.62	711.0	54.56	686.0	53.29	669.7	51.10	643.8	49.65	612.4	44.41
	50	60.8	721.2	49.19	703.4	47.51	684.3	46.48	668.6	44.92	642.7	43.44	611.7	39.05
		76.1	724.0	49.28	705.3	47.65	685.4	46.62	669.7	44.98	643.8	43.40	612.4	39.10
		152.1	734.8	49.65	712.5	48.19	689.6	47.16	673.9	45.22	648.0	43.28	615.4	39.28
		190.1	739.0	49.65	715.5	48.19	692.0	47.04	675.1	45.10	649.2	43.47	617.3	39.71
		228.2	741.1	49.65	717.0	48.19	693.2	46.98	675.7	45.04	649.8	43.56	618.2	39.92
	59	60.8	723.3	43.53	704.5	42.31	684.0	41.59	667.7	40.59	641.6	38.97	610.9	35.31
		76.1	726.4	43.47	707.1	42.31	686.0	41.59	669.7	40.43	643.8	38.68	612.4	35.16
		152.1	738.4	43.22	717.3	42.31	693.8	41.59	677.5	39.83	652.2	37.52	618.5	34.55
		190.1	742.6	42.92	720.9	41.95	697.4	41.04	679.9	39.28	654.0	37.52	622.1	35.16
		228.2	744.8	42.77	722.8	41.77	699.3	40.77	681.2	39.01	654.9	37.52	623.9	35.47
	68	60.8	736.9	37.57	716.7	36.68	693.6	35.77	674.9	35.16	650.2	34.16	616.0	31.95
		76.1	740.8	37.65	719.1	36.68	695.6	35.77	677.5	35.16	652.2	34.01	618.5	31.89
		152.1	756.5	37.95	728.8	36.68	703.5	35.77	687.8	35.16	660.1	33.40	628.1	31.64
		190.1	760.7	37.95	734.8	36.68	707.7	35.77	689.6	34.55	663.7	33.40	629.9	31.64
		228.2	762.8	37.95	737.8	36.68	709.8	35.77	690.5	34.25	665.5	33.40	630.8	31.64
	77	60.8	759.8	34.19	737.2	32.93	707.7	32.40	692.0	31.18	667.9	30.04	632.3	27.52
		76.1	761.3	34.13	737.2	32.80	707.7	32.25	692.0	31.04	667.9	29.89	632.3	27.52
		152.1	767.4	33.89	737.2	32.25	707.7	31.64	692.0	30.49	667.9	29.28	632.3	27.52
		190.1	771.0	33.89	737.2	32.37	707.7	31.04	692.0	30.49	667.9	28.73	632.3	26.98
		228.2	772.8	33.89	737.2	32.43	707.7	30.73	692.0	30.49	667.9	28.46	632.3	26.70
	86	60.8	771.0	31.18	737.2	30.04	707.7	28.89	692.0	28.28	667.9	26.52	632.3	24.77
		76.1	771.0	31.04	737.2	29.89	707.7	28.73	692.0	28.13	667.9	26.37	632.3	24.61
		152.1	771.0	30.49	737.2	29.28	707.7	28.13	692.0	27.52	667.9	25.76	632.3	24.01
		190.1	771.0	30.25	737.2	28.73	707.7	27.52	692.0	26.98	667.9	25.76	632.3	24.01
		228.2	771.0	30.13	737.2	28.46	707.7	27.22	692.0	26.70	667.9	25.76	632.3	24.01
	95	60.8	771.0	29.57	737.2	27.66	707.7	26.52	692.0	25.37	667.9	24.14	632.3	22.39
		76.1	771.0	29.28	737.2	27.52	707.7	26.37	692.0	25.22	667.9	24.01	632.3	22.25
		152.1	771.0	28.13	737.2	26.98	707.7	25.76	692.0	24.61	667.9	23.46	632.3	21.70
		190.1	771.0	27.40	737.2	26.37	707.7	25.22	692.0	24.61	667.9	23.46	632.3	21.70
		228.2	771.0	27.03	737.2	26.06	707.7	24.94	692.0	24.61	667.9	23.46	632.3	21.70
	104	60.8	771.0	27.81	737.2	26.66	707.7	24.90	692.0	23.61	667.9	22.39	632.3	20.63
		76.1	771.0	27.52	737.2	26.37	707.7	24.61	692.0	23.46	667.9	22.25	632.3	20.49
		152.1	771.0	26.37	737.2	25.22	707.7	23.46	692.0	22.85	667.9	21.70	632.3	19.94
		190.1	771.0	26.01	737.2	24.61	707.7	23.46	692.0	22.25	667.9	21.10	632.3	19.34
		228.2	771.0	25.82	737.2	24.31	707.7	23.46	692.0	21.94	667.9	20.79	632.3	19.03
	113	60.8	771.0	26.05	737.2	25.66	707.7	23.30	692.0	21.86	667.9	20.63	632.3	18.87
		76.1	771.0	25.76	737.2	25.22	707.7	22.85	692.0	21.70	667.9	20.49	632.3	18.73
		152.1	771.0	24.61	737.2	23.46	707.7	21.10	692.0	21.10	667.9	19.94	632.3	18.19
		190.1	771.0	24.61	737.2	22.85	707.7	21.70	692.0	19.94	667.9	18.73	632.3	16.97
		228.2	771.0	24.61	737.2	22.55	707.7	22.01	692.0	19.36	667.9	18.12	632.3	16.36

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN576DAS4, ARWB576DAS4
576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
100	23	60.8	260.5	37.31	258.7	35.15	257.6	32.27	255.3	30.91	252.9	29.53	248.1	26.86
		76.1	269.4	37.95	267.6	35.83	266.4	32.98	264.0	31.58	261.6	30.19	256.8	27.46
		152.1	305.0	40.49	303.2	38.49	301.4	35.77	298.4	34.25	296.0	32.80	291.1	29.83
		190.1	337.0	43.10	334.5	41.16	332.7	38.55	329.7	36.98	327.3	35.34	321.3	32.13
		228.2	353.1	44.41	350.3	42.51	348.5	39.96	345.5	38.35	343.1	36.62	336.5	33.29
	32	60.8	465.6	51.04	455.4	49.53	445.9	47.27	438.1	45.27	430.2	43.34	415.3	39.34
		76.1	468.4	51.16	458.1	49.65	448.5	47.41	440.6	45.40	432.8	43.47	417.7	39.46
		152.1	479.2	51.65	469.0	50.13	458.7	47.95	450.9	45.95	443.1	43.95	427.4	39.95
		190.1	486.5	51.65	476.2	50.13	466.0	47.95	457.5	45.95	449.7	43.95	434.0	39.95
		228.2	490.1	51.65	479.8	50.13	469.6	47.95	460.9	45.95	453.0	43.95	437.4	39.95
	41	60.8	687.2	54.86	664.3	53.53	647.2	51.45	634.1	49.27	604.0	47.16	576.3	42.89
		76.1	689.6	55.10	665.5	53.77	647.4	51.71	634.1	49.53	604.0	47.41	576.3	43.10
		152.1	699.2	56.07	670.3	54.74	648.0	52.74	634.1	50.56	604.0	48.38	576.3	43.95
		190.1	703.5	56.44	672.1	55.10	648.0	53.10	634.1	50.92	604.0	48.68	576.3	44.25
		228.2	705.6	56.62	673.0	55.29	648.0	53.29	634.1	51.10	604.0	48.83	576.3	44.41
	50	60.8	690.9	49.05	666.4	47.98	648.0	46.48	634.1	44.92	604.0	42.69	576.3	39.05
		76.1	692.6	49.28	667.3	48.13	648.0	46.62	634.1	44.98	604.0	42.74	576.3	39.10
		152.1	699.2	50.19	670.9	48.74	648.0	47.16	634.1	45.22	604.0	42.92	576.3	39.28
		190.1	704.1	50.01	673.9	48.74	648.0	47.04	634.1	45.10	604.0	42.80	576.3	39.10
		228.2	706.5	49.92	675.4	48.74	648.0	46.98	634.1	45.04	604.0	42.74	576.3	39.01
	59	60.8	694.7	43.25	669.2	42.53	648.0	41.59	634.1	40.59	604.0	38.21	576.3	35.31
		76.1	695.6	43.47	669.7	42.56	648.0	41.59	634.1	40.43	604.0	38.07	576.3	35.16
		152.1	699.2	44.31	671.5	42.68	648.0	41.59	634.1	39.83	604.0	37.52	576.3	34.55
		190.1	705.3	43.59	675.1	42.31	648.0	41.04	634.1	39.28	604.0	36.92	576.3	34.01
		228.2	708.3	43.22	676.9	42.13	648.0	40.77	634.1	39.01	604.0	36.61	576.3	33.73
	68	60.8	698.5	36.99	672.9	36.04	648.0	35.16	634.1	34.69	604.0	32.40	576.3	30.80
		76.1	701.0	37.16	673.3	36.07	648.0	35.16	634.1	34.55	604.0	32.25	576.3	30.49
		152.1	711.3	37.83	675.1	36.19	648.0	35.16	634.1	34.01	604.0	31.64	576.3	29.28
		190.1	715.5	37.16	681.2	35.89	648.0	34.55	634.1	33.40	604.0	31.04	576.3	28.73
		228.2	717.6	36.82	684.2	35.73	648.0	34.25	634.1	33.10	604.0	30.73	576.3	28.46
	77	60.8	706.9	32.34	683.6	31.33	648.0	30.04	634.1	28.89	604.0	27.13	576.3	24.61
		76.1	709.5	32.37	683.6	31.16	648.0	29.89	634.1	28.73	604.0	26.98	576.3	24.61
		152.1	719.7	32.49	683.6	30.49	648.0	29.28	634.1	28.13	604.0	26.37	576.3	24.61
		190.1	723.3	31.77	683.6	30.25	648.0	28.73	634.1	27.52	604.0	26.37	576.3	24.01
		228.2	725.2	31.40	683.6	30.13	648.0	28.46	634.1	27.22	604.0	26.37	576.3	23.70
	86	60.8	723.3	29.42	683.6	27.13	648.0	25.28	634.1	24.77	604.0	22.85	576.3	21.86
		76.1	723.3	29.28	683.6	26.98	648.0	25.22	634.1	24.61	604.0	22.85	576.3	21.70
		152.1	723.3	28.73	683.6	26.37	648.0	24.98	634.1	24.01	604.0	22.85	576.3	21.10
		190.1	723.3	28.13	683.6	26.37	648.0	24.61	634.1	24.01	604.0	22.25	576.3	21.10
		228.2	723.3	27.82	683.6	26.37	648.0	24.43	634.1	24.01	604.0	21.94	576.3	21.10
	95	60.8	723.3	27.28	683.6	24.90	648.0	22.31	634.1	21.86	604.0	20.63	576.3	18.87
		76.1	723.3	26.98	683.6	24.61	648.0	22.25	634.1	21.70	604.0	20.49	576.3	18.73
		152.1	723.3	25.76	683.6	23.46	648.0	22.01	634.1	21.10	604.0	19.94	576.3	18.19
		190.1	723.3	25.76	683.6	23.46	648.0	21.70	634.1	21.10	604.0	19.94	576.3	18.19
		228.2	723.3	25.76	683.6	23.46	648.0	21.55	634.1	21.10	604.0	19.94	576.3	18.19
	104	60.8	723.3	25.52	683.6	23.14	648.0	20.01	634.1	19.49	604.0	18.34	576.3	17.11
		76.1	723.3	25.22	683.6	22.85	648.0	19.94	634.1	19.34	604.0	18.19	576.3	16.97
		152.1	723.3	24.01	683.6	21.70	648.0	19.70	634.1	18.73	604.0	17.58	576.3	16.43
		190.1	723.3	23.46	683.6	21.70	648.0	19.34	634.1	18.73	604.0	17.58	576.3	16.43
		228.2	723.3	23.19	683.6	21.70	648.0	19.15	634.1	18.73	604.0	17.58	576.3	16.43
	113	60.8	723.3	23.77	683.6	21.39	648.0	17.64	634.1	17.11	604.0	15.98	576.3	15.35
		76.1	723.3	23.46	683.6	21.10	648.0	17.58	634.1	16.97	604.0	15.82	576.3	15.22
		152.1	723.3	22.25	683.6	19.94	648.0	17.34	634.1	16.43	604.0	15.22	576.3	14.67
		190.1	723.3	21.10	683.6	19.94	648.0	16.97	634.1	16.43	604.0	15.22	576.3	14.67
		228.2	723.3	20.52	683.6	19.94	648.0	16.79	634.1	16.43	604.0	15.22	576.3	14.67

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
90	23	60.8	245.9	34.62	238.3	31.53	231.4	27.70	229.6	26.39	227.8	25.44	223.9	22.83
		76.1	254.4	35.22	246.5	32.13	239.3	28.31	237.5	26.98	235.7	26.01	231.5	23.34
		152.1	288.1	37.58	279.1	34.49	270.7	30.73	268.8	29.28	267.0	28.25	261.6	25.34
		190.1	318.3	39.95	308.0	36.92	299.0	33.16	296.6	31.58	294.8	30.43	289.3	27.34
		228.2	333.5	41.14	322.6	38.14	313.3	34.38	310.5	32.74	308.7	31.53	303.3	28.35
	32	60.8	439.9	47.16	419.5	44.25	400.2	40.63	394.4	38.75	387.7	37.30	373.3	33.49
		76.1	442.4	47.28	422.0	44.37	402.7	40.74	396.6	38.86	390.0	37.40	375.5	33.58
		152.1	452.7	47.77	431.6	44.86	412.3	41.16	405.7	39.28	399.0	37.83	384.6	33.95
		190.1	459.3	47.77	438.2	44.86	418.9	41.16	411.7	39.28	405.7	37.83	390.6	33.95
		228.2	462.7	47.77	441.6	44.86	422.3	41.16	414.7	39.28	409.0	37.83	393.6	33.95
	41	60.8	621.5	50.63	601.4	47.78	582.3	44.22	570.2	42.16	544.9	40.58	519.0	36.43
		76.1	622.1	50.86	601.0	48.01	582.3	44.43	570.2	42.37	544.9	40.80	519.0	36.61
		152.1	624.5	51.77	599.2	48.92	582.3	45.28	570.2	43.22	544.9	41.65	519.0	37.34
		190.1	628.1	52.07	601.0	49.22	582.3	45.65	570.2	43.53	544.9	41.95	519.0	37.65
		228.2	629.9	52.23	601.9	49.38	582.3	45.83	570.2	43.68	544.9	42.10	519.0	37.80
	50	60.8	624.8	44.71	603.6	42.51	582.3	40.02	570.2	38.39	544.9	36.83	519.0	33.19
		76.1	624.5	44.74	602.8	42.56	582.3	40.07	570.2	38.43	544.9	36.80	519.0	33.22
		152.1	623.3	44.86	599.8	42.74	582.3	40.25	570.2	38.62	544.9	36.68	519.0	33.34
		190.1	627.5	44.74	601.6	42.62	582.3	40.13	570.2	38.49	544.9	36.80	519.0	33.46
		228.2	629.6	44.68	602.5	42.56	582.3	40.07	570.2	38.43	544.9	36.86	519.0	33.52
	59	60.8	628.0	38.71	605.7	37.31	582.3	35.92	570.2	34.69	544.9	33.09	519.0	30.04
		76.1	626.9	38.55	604.6	37.16	582.3	35.77	570.2	34.55	544.9	32.80	519.0	29.89
		152.1	622.7	37.95	600.4	36.55	582.3	35.16	570.2	34.01	544.9	31.64	519.0	29.28
		190.1	626.9	37.40	602.2	36.01	582.3	34.55	570.2	33.40	544.9	31.64	519.0	29.28
		228.2	629.0	37.13	603.1	35.73	582.3	34.25	570.2	33.10	544.9	31.64	519.0	29.28
	68	60.8	631.7	32.67	608.2	31.74	582.3	30.65	570.2	29.42	544.9	28.42	519.0	26.66
		76.1	631.1	32.67	607.0	31.64	582.3	30.49	570.2	29.28	544.9	28.13	519.0	26.37
		152.1	628.7	32.67	602.2	31.28	582.3	29.89	570.2	28.73	544.9	26.98	519.0	25.22
		190.1	630.5	32.13	604.0	31.04	582.3	29.89	570.2	28.73	544.9	26.98	519.0	25.22
		228.2	631.4	31.85	604.9	30.92	582.3	29.89	570.2	28.73	544.9	26.98	519.0	25.22
	77	60.8	642.3	28.55	616.1	27.04	582.3	25.90	570.2	24.61	544.9	23.61	519.0	21.86
		76.1	643.8	28.49	616.1	26.98	582.3	25.76	570.2	24.61	544.9	23.46	519.0	21.70
		152.1	649.8	28.25	616.1	26.73	582.3	25.22	570.2	24.61	544.9	22.85	519.0	21.10
		190.1	652.2	27.52	616.1	26.13	582.3	25.22	570.2	24.01	544.9	22.85	519.0	21.10
		228.2	653.4	27.16	616.1	25.82	582.3	25.22	570.2	23.70	544.9	22.85	519.0	21.10
	86	60.8	652.2	25.90	616.1	24.14	582.3	22.39	570.2	21.86	544.9	20.63	519.0	18.73
		76.1	652.2	25.76	616.1	24.01	582.3	22.25	570.2	21.70	544.9	20.49	519.0	18.73
		152.1	652.2	25.22	616.1	23.46	582.3	21.70	570.2	21.10	544.9	19.94	519.0	18.73
		190.1	652.2	24.61	616.1	22.85	582.3	21.70	570.2	21.10	544.9	19.94	519.0	18.19
		228.2	652.2	24.31	616.1	22.55	582.3	21.70	570.2	21.10	544.9	19.94	519.0	17.91
	95	60.8	652.2	23.61	616.1	21.86	582.3	20.10	570.2	19.49	544.9	18.34	519.0	17.11
		76.1	652.2	23.46	616.1	21.70	582.3	19.94	570.2	19.34	544.9	18.19	519.0	16.97
		152.1	652.2	22.85	616.1	21.10	582.3	19.34	570.2	18.73	544.9	17.58	519.0	16.43
		190.1	652.2	22.25	616.1	20.49	582.3	18.73	570.2	18.19	544.9	17.58	519.0	16.43
		228.2	652.2	21.94	616.1	20.18	582.3	18.43	570.2	17.91	544.9	17.58	519.0	16.43
	104	60.8	652.2	22.01	616.1	20.10	582.3	17.73	570.2	17.11	544.9	16.58	519.0	15.35
		76.1	652.2	21.70	616.1	19.94	582.3	17.58	570.2	16.97	544.9	16.43	519.0	15.22
		152.1	652.2	20.49	616.1	19.34	582.3	16.97	570.2	16.43	544.9	15.82	519.0	14.67
		190.1	652.2	20.49	616.1	19.34	582.3	16.97	570.2	16.43	544.9	15.82	519.0	14.67
		228.2	652.2	20.49	616.1	19.34	582.3	16.97	570.2	16.43	544.9	15.82	519.0	14.67
	113	60.8	652.2	20.39	616.1	18.34	582.3	15.35	570.2	14.82	544.9	14.82	519.0	13.60
		76.1	652.2	19.94	616.1	18.19	582.3	15.22	570.2	14.67	544.9	14.67	519.0	13.46
		152.1	652.2	18.19	616.1	17.58	582.3	14.67	570.2	14.06	544.9	14.06	519.0	12.91
		190.1	652.2	18.73	616.1	18.19	582.3	15.22	570.2	14.67	544.9	14.06	519.0	12.91
		228.2	652.2	19.01	616.1	18.49	582.3	15.49	570.2	14.98	544.9	14.06	519.0	12.91

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW	TC MBh	PI kW
80	23	60.8	232.6	24.67	218.0	23.73	206.4	22.73	204.0	21.95	202.8	20.94	198.7	19.29
		76.1	240.5	25.22	225.4	24.25	213.4	23.22	211.0	22.43	209.8	21.40	205.6	19.70
		152.1	271.9	27.40	255.0	26.31	241.1	25.16	238.7	24.31	237.5	23.22	232.7	21.34
		190.1	300.8	29.52	281.5	28.37	266.4	27.16	263.4	26.25	262.2	25.04	256.8	23.04
		228.2	315.4	30.59	294.9	29.41	279.2	28.17	275.9	27.23	274.7	25.95	268.9	23.89
	32	60.8	415.1	36.20	382.9	34.75	356.5	33.31	349.9	32.16	345.1	30.64	332.0	28.23
		76.1	417.7	36.31	385.2	34.86	358.7	33.40	352.0	32.25	347.2	30.73	333.9	28.31
		152.1	428.0	36.74	394.2	35.28	367.1	33.77	360.5	32.61	355.6	31.10	341.8	28.61
		190.1	434.0	36.74	400.3	35.28	373.1	33.77	365.9	32.61	361.1	31.10	347.2	28.61
		228.2	437.0	36.74	403.3	35.28	376.2	33.77	368.6	32.61	363.8	31.10	349.9	28.61
	41	60.8	574.4	39.37	542.0	37.89	518.2	36.17	506.9	34.98	485.2	33.35	461.1	30.69
		76.1	575.7	39.59	543.1	38.07	518.4	36.37	506.9	35.16	485.2	33.52	461.1	30.86
		152.1	580.5	40.43	547.3	38.80	519.0	37.16	506.9	35.89	485.2	34.19	461.1	31.52
		190.1	580.5	40.68	546.7	39.10	519.0	37.40	506.9	36.13	485.2	34.43	461.1	31.70
		228.2	580.5	40.80	546.4	39.25	519.0	37.53	506.9	36.25	485.2	34.55	461.1	31.80
	50	60.8	577.5	36.24	544.3	34.60	518.2	32.84	506.9	31.93	485.2	30.23	461.1	27.99
		76.1	578.1	36.19	544.9	34.55	518.4	32.86	506.9	31.95	485.2	30.25	461.1	28.01
		152.1	580.5	36.01	547.3	34.37	519.0	32.92	506.9	32.01	485.2	30.31	461.1	28.07
		190.1	580.5	35.89	546.7	34.49	519.0	33.04	506.9	31.83	485.2	30.13	461.1	27.89
		228.2	580.5	35.83	546.4	34.55	519.0	33.10	506.9	31.73	485.2	30.04	461.1	27.79
	59	60.8	580.5	33.09	546.7	31.33	519.0	29.42	506.9	28.89	485.2	27.13	461.1	25.37
		76.1	580.5	32.80	546.7	31.04	519.0	29.28	506.9	28.73	485.2	26.98	461.1	25.22
		152.1	580.5	31.64	546.7	29.89	519.0	28.73	506.9	28.13	485.2	26.37	461.1	24.61
		190.1	580.5	31.04	546.7	29.89	519.0	28.73	506.9	27.52	485.2	25.76	461.1	24.01
		228.2	580.5	30.73	546.7	29.89	519.0	28.73	506.9	27.22	485.2	25.46	461.1	23.70
	68	60.8	580.5	27.66	546.7	26.52	519.0	25.22	506.9	24.77	485.2	23.61	461.1	21.86
		76.1	580.5	27.52	546.7	26.37	519.0	25.22	506.9	24.61	485.2	23.46	461.1	21.70
		152.1	580.5	26.98	546.7	25.76	519.0	25.22	506.9	24.01	485.2	22.85	461.1	21.10
		190.1	580.5	26.37	546.7	25.22	519.0	24.61	506.9	24.01	485.2	22.25	461.1	21.10
		228.2	580.5	26.06	546.7	24.94	519.0	24.31	506.9	24.01	485.2	21.94	461.1	21.10
	77	60.8	580.5	24.77	546.7	23.01	519.0	21.70	506.9	21.25	485.2	20.10	461.1	18.87
		76.1	580.5	24.61	546.7	22.85	519.0	21.70	506.9	21.10	485.2	19.94	461.1	18.73
		152.1	580.5	24.01	546.7	22.25	519.0	21.70	506.9	20.49	485.2	19.34	461.1	18.19
		190.1	580.5	23.46	546.7	22.25	519.0	21.10	506.9	20.49	485.2	19.34	461.1	18.19
		228.2	580.5	23.19	546.7	22.25	519.0	20.79	506.9	20.49	485.2	19.34	461.1	18.19
	86	60.8	580.5	21.86	546.7	20.63	519.0	19.49	506.9	18.87	485.2	17.73	461.1	16.58
		76.1	580.5	21.70	546.7	20.49	519.0	19.34	506.9	18.73	485.2	17.58	461.1	16.43
		152.1	580.5	21.10	546.7	19.94	519.0	18.73	506.9	18.19	485.2	16.97	461.1	15.82
		190.1	580.5	21.10	546.7	19.94	519.0	18.73	506.9	18.19	485.2	16.97	461.1	15.82
		228.2	580.5	21.10	546.7	19.94	519.0	18.73	506.9	18.19	485.2	16.97	461.1	15.82
	95	60.8	580.5	20.10	546.7	18.87	519.0	17.11	506.9	16.43	485.2	15.98	461.1	14.67
		76.1	580.5	19.94	546.7	18.73	519.0	16.97	506.9	16.43	485.2	15.82	461.1	14.67
		152.1	580.5	19.34	546.7	18.19	519.0	16.43	506.9	16.43	485.2	15.22	461.1	14.67
		190.1	580.5	19.34	546.7	17.58	519.0	16.43	506.9	15.82	485.2	15.22	461.1	14.06
		228.2	580.5	19.34	546.7	17.27	519.0	16.43	506.9	15.52	485.2	15.22	461.1	13.76
	104	60.8	580.5	19.02	546.7	17.11	519.0	15.22	506.9	15.35	485.2	14.06	461.1	13.60
		76.1	580.5	18.73	546.7	16.97	519.0	15.22	506.9	15.22	485.2	14.06	461.1	13.46
		152.1	580.5	17.58	546.7	16.43	519.0	15.22	506.9	14.67	485.2	14.06	461.1	12.91
		190.1	580.5	17.58	546.7	16.43	519.0	14.67	506.9	14.67	485.2	14.06	461.1	12.91
		228.2	580.5	17.58	546.7	16.43	519.0	14.40	506.9	14.67	485.2	14.06	461.1	12.91
	113	60.8	580.5	18.02	546.7	15.35	519.0	13.30	506.9	14.35	485.2	12.15	461.1	12.60
		76.1	580.5	17.58	546.7	15.22	519.0	13.46	506.9	14.06	485.2	12.31	461.1	12.31
		152.1	580.5	15.82	546.7	14.67	519.0	14.06	506.9	12.91	485.2	12.91	461.1	11.15
		190.1	580.5	15.82	546.7	15.22	519.0	12.91	506.9	13.46	485.2	12.91	461.1	11.70
		228.2	580.5	15.82	546.7	15.49	519.0	12.33	506.9	13.73	485.2	12.91	461.1	11.97

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
70	23	60.8	202.8	21.18	190.6	20.17	180.2	19.52	178.4	18.39	177.2	17.74	174.3	16.14
		76.1	209.8	21.64	197.1	20.61	186.3	19.94	184.5	18.79	183.2	18.13	180.2	16.49
		152.1	237.5	23.46	223.0	22.37	210.4	21.64	208.6	20.37	207.4	19.64	203.7	17.88
		190.1	262.8	25.34	246.5	24.13	232.7	23.34	230.9	21.94	229.1	21.22	224.8	19.28
		228.2	275.6	26.29	258.4	25.01	243.9	24.19	242.1	22.74	240.0	22.01	235.5	19.98
	32	60.8	363.2	31.01	335.6	29.57	311.6	28.58	306.2	26.90	301.4	25.99	290.7	23.64
		76.1	365.3	31.10	337.6	29.64	313.5	28.67	308.0	26.98	303.2	26.07	292.4	23.70
		152.1	373.7	31.46	345.4	29.95	320.7	29.04	315.3	27.28	310.4	26.37	299.0	23.95
		190.1	379.2	31.46	350.8	29.95	325.5	29.04	320.1	27.28	315.3	26.37	303.8	23.95
		228.2	381.9	31.46	353.6	29.95	327.9	29.04	322.5	27.28	317.7	26.37	306.2	23.95
	41	60.8	501.7	33.78	475.3	32.14	452.5	31.11	443.1	29.32	423.2	28.28	403.3	25.69
		76.1	502.7	33.95	476.2	32.31	452.7	31.28	443.1	29.46	423.2	28.43	403.3	25.82
		152.1	506.9	34.61	479.8	32.98	453.3	31.95	443.1	30.01	423.2	29.04	403.3	26.37
		190.1	506.9	34.86	479.2	33.22	453.3	32.19	443.1	30.25	423.2	29.22	403.3	26.55
		228.2	506.9	34.98	478.9	33.34	453.3	32.31	443.1	30.37	423.2	29.31	403.3	26.64
	50	60.8	503.9	31.10	477.0	29.40	453.3	28.31	443.1	26.73	423.2	25.64	403.3	23.46
		76.1	504.5	31.04	477.4	29.34	453.3	28.25	443.1	26.73	423.2	25.64	403.3	23.46
		152.1	506.9	30.80	479.2	29.10	453.3	28.01	443.1	26.73	423.2	25.64	403.3	23.46
		190.1	506.9	30.92	479.2	29.22	453.3	28.13	443.1	26.85	423.2	25.46	403.3	23.52
		228.2	506.9	30.98	479.2	29.28	453.3	28.19	443.1	26.92	423.2	25.37	403.3	23.55
	59	60.8	506.9	28.42	479.2	26.66	453.3	25.52	443.1	24.14	423.2	23.01	403.3	21.25
		76.1	506.9	28.13	479.2	26.37	453.3	25.22	443.1	24.01	423.2	22.85	403.3	21.10
		152.1	506.9	26.98	479.2	25.22	453.3	24.01	443.1	23.46	423.2	22.25	403.3	20.49
		190.1	506.9	26.98	479.2	25.22	453.3	24.01	443.1	23.46	423.2	21.70	403.3	20.49
		228.2	506.9	26.98	479.2	25.22	453.3	24.01	443.1	23.46	423.2	21.43	403.3	20.49
	68	60.8	506.9	23.61	479.2	22.39	453.3	21.86	443.1	21.25	423.2	20.10	403.3	18.87
		76.1	506.9	23.46	479.2	22.25	453.3	21.70	443.1	21.10	423.2	19.94	403.3	18.73
		152.1	506.9	22.85	479.2	21.70	453.3	21.10	443.1	20.49	423.2	19.34	403.3	18.19
		190.1	506.9	22.85	479.2	21.70	453.3	21.10	443.1	19.94	423.2	19.34	403.3	17.58
		228.2	506.9	22.85	479.2	21.70	453.3	21.10	443.1	19.67	423.2	19.34	403.3	17.27
	77	60.8	506.9	21.25	479.2	20.10	453.3	18.87	443.1	18.34	423.2	16.97	403.3	15.82
		76.1	506.9	21.10	479.2	19.94	453.3	18.73	443.1	18.19	423.2	16.97	403.3	15.82
		152.1	506.9	20.49	479.2	19.34	453.3	18.19	443.1	17.58	423.2	16.97	403.3	15.82
		190.1	506.9	19.94	479.2	18.73	453.3	18.19	443.1	17.58	423.2	16.43	403.3	15.82
		228.2	506.9	19.67	479.2	18.43	453.3	18.19	443.1	17.58	423.2	16.15	403.3	15.82
	86	60.8	506.9	18.87	479.2	17.73	453.3	16.58	443.1	15.82	423.2	15.35	403.3	14.06
		76.1	506.9	18.73	479.2	17.58	453.3	16.43	443.1	15.82	423.2	15.22	403.3	14.06
		152.1	506.9	18.19	479.2	16.97	453.3	15.82	443.1	15.82	423.2	14.67	403.3	14.06
		190.1	506.9	18.19	479.2	16.97	453.3	15.82	443.1	15.22	423.2	14.67	403.3	14.06
		228.2	506.9	18.19	479.2	16.97	453.3	15.82	443.1	14.91	423.2	14.67	403.3	14.06
	95	60.8	506.9	17.11	479.2	15.98	453.3	14.67	443.1	14.82	423.2	13.46	403.3	13.07
		76.1	506.9	16.97	479.2	15.82	453.3	14.67	443.1	14.67	423.2	13.46	403.3	12.91
		152.1	506.9	16.43	479.2	15.22	453.3	14.67	443.1	14.06	423.2	13.46	403.3	12.31
		190.1	506.9	16.43	479.2	15.22	453.3	14.06	443.1	14.06	423.2	13.46	403.3	12.31
		228.2	506.9	16.43	479.2	15.22	453.3	13.76	443.1	14.06	423.2	13.46	403.3	12.31
	104	60.8	506.9	15.98	479.2	14.82	453.3	13.60	443.1	12.91	423.2	12.31	403.3	11.84
		76.1	506.9	15.82	479.2	14.67	453.3	13.46	443.1	12.91	423.2	12.31	403.3	11.70
		152.1	506.9	15.22	479.2	14.06	453.3	12.91	443.1	12.91	423.2	12.31	403.3	11.15
		190.1	506.9	15.22	479.2	14.06	453.3	12.91	443.1	12.31	423.2	11.70	403.3	11.15
		228.2	506.9	15.22	479.2	14.06	453.3	12.91	443.1	12.00	423.2	11.39	403.3	11.15
	113	60.8	506.9	14.82	479.2	13.60	453.3	12.60	443.1	11.02	423.2	11.15	403.3	10.70
		76.1	506.9	14.67	479.2	13.46	453.3	12.31	443.1	11.15	423.2	11.15	403.3	10.55
		152.1	506.9	14.06	479.2	12.91	453.3	11.15	443.1	11.70	423.2	11.15	403.3	9.94
		190.1	506.9	14.06	479.2	12.91	453.3	11.70	443.1	10.55	423.2	9.94	403.3	9.94
		228.2	506.9	14.06	479.2	12.91	453.3	11.97	443.1	9.97	423.2	9.33	403.3	9.94

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

Heating Capacity

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
60	23	60.8	174.1	17.20	163.1	16.55	154.4	15.89	152.6	14.77	152.0	14.53	149.1	12.99
		76.1	180.2	17.58	168.8	16.91	159.7	16.25	157.9	15.09	157.3	14.85	154.3	13.28
		152.1	204.3	19.10	191.1	18.37	180.8	17.64	179.0	16.37	178.4	16.13	174.8	14.43
		190.1	225.4	20.55	211.0	19.82	200.1	19.03	197.7	17.70	197.1	17.40	192.9	15.52
		228.2	236.1	21.28	221.0	20.56	209.8	19.74	207.1	18.37	206.5	18.04	202.0	16.07
	32	60.8	311.6	25.20	287.1	24.31	267.8	23.26	262.5	21.64	258.9	21.34	249.4	19.05
		76.1	313.5	25.28	288.7	24.37	269.4	23.34	264.0	21.70	260.4	21.40	250.8	19.10
		152.1	320.7	25.58	295.4	24.61	276.1	23.64	270.1	21.94	266.4	21.64	256.2	19.28
		190.1	325.5	25.58	300.2	24.61	280.3	23.64	274.3	21.94	270.7	21.64	260.4	19.28
		228.2	327.9	25.58	302.6	24.61	282.4	23.64	276.4	21.94	272.8	21.64	262.5	19.28
	41	60.8	430.7	27.44	406.1	26.41	389.4	25.32	379.8	23.58	363.5	23.22	346.0	20.69
		76.1	431.6	27.58	406.9	26.55	389.4	25.46	379.8	23.70	363.5	23.34	346.0	20.79
		152.1	435.2	28.13	409.9	27.10	389.4	26.01	379.8	24.19	363.5	23.82	346.0	21.22
		190.1	435.2	28.37	409.3	27.28	389.4	26.19	379.8	24.37	363.5	23.95	346.0	21.40
		228.2	435.2	28.49	409.0	27.37	389.4	26.28	379.8	24.46	363.5	24.01	346.0	21.49
	50	60.8	432.9	25.22	407.6	24.13	389.4	22.98	379.8	21.46	363.5	21.05	346.0	18.87
		76.1	433.4	25.22	408.1	24.13	389.4	22.98	379.8	21.52	363.5	21.04	346.0	18.91
		152.1	435.2	25.22	409.9	24.13	389.4	22.98	379.8	21.76	363.5	20.97	346.0	19.10
		190.1	435.2	25.28	409.3	23.88	389.4	22.73	379.8	21.52	363.5	20.79	346.0	18.91
		228.2	435.2	25.31	409.0	23.76	389.4	22.61	379.8	21.40	363.5	20.70	346.0	18.82
	59	60.8	435.2	23.01	409.3	21.86	389.4	20.63	379.8	19.34	363.5	18.87	346.0	16.97
		76.1	435.2	22.85	409.3	21.70	389.4	20.49	379.8	19.34	363.5	18.73	346.0	16.97
		152.1	435.2	22.25	409.3	21.10	389.4	19.94	379.8	19.34	363.5	18.19	346.0	16.97
		190.1	435.2	22.25	409.3	20.49	389.4	19.34	379.8	18.73	363.5	17.58	346.0	16.43
		228.2	435.2	22.25	409.3	20.18	389.4	19.03	379.8	18.43	363.5	17.27	346.0	16.15
	68	60.8	435.2	20.10	409.3	18.87	389.4	17.73	379.8	17.11	363.5	16.58	346.0	15.35
		76.1	435.2	19.94	409.3	18.73	389.4	17.58	379.8	16.97	363.5	16.43	346.0	15.22
		152.1	435.2	19.34	409.3	18.19	389.4	16.97	379.8	16.43	363.5	15.82	346.0	14.67
		190.1	435.2	19.34	409.3	18.19	389.4	16.97	379.8	16.43	363.5	15.82	346.0	14.67
		228.2	435.2	19.34	409.3	18.19	389.4	16.97	379.8	16.43	363.5	15.82	346.0	14.67
	77	60.8	435.2	17.73	409.3	16.58	389.4	15.22	379.8	15.35	363.5	14.06	346.0	13.60
		76.1	435.2	17.58	409.3	16.43	389.4	15.22	379.8	15.22	363.5	14.06	346.0	13.46
		152.1	435.2	16.97	409.3	15.82	389.4	15.22	379.8	14.67	363.5	14.06	346.0	12.91
		190.1	435.2	16.97	409.3	15.82	389.4	14.67	379.8	14.67	363.5	14.06	346.0	12.91
		228.2	435.2	16.97	409.3	15.82	389.4	14.40	379.8	14.67	363.5	14.06	346.0	12.91
	86	60.8	435.2	15.98	409.3	14.82	389.4	14.22	379.8	13.60	363.5	13.07	346.0	12.46
		76.1	435.2	15.82	409.3	14.67	389.4	14.06	379.8	13.46	363.5	12.91	346.0	12.31
		152.1	435.2	15.22	409.3	14.06	389.4	13.46	379.8	12.91	363.5	12.31	346.0	11.70
		190.1	435.2	15.22	409.3	14.06	389.4	13.46	379.8	12.91	363.5	12.31	346.0	11.70
		228.2	435.2	15.22	409.3	14.06	389.4	13.46	379.8	12.91	363.5	12.31	346.0	11.70
	95	60.8	435.2	14.06	409.3	13.60	389.4	12.31	379.8	12.46	363.5	11.84	346.0	11.31
		76.1	435.2	14.06	409.3	13.46	389.4	12.31	379.8	12.31	363.5	11.70	346.0	11.15
		152.1	435.2	14.06	409.3	12.91	389.4	12.31	379.8	11.70	363.5	11.15	346.0	10.55
		190.1	435.2	14.06	409.3	12.91	389.4	11.70	379.8	11.70	363.5	11.15	346.0	10.55
		228.2	435.2	14.06	409.3	12.91	389.4	11.39	379.8	11.70	363.5	11.15	346.0	10.55
	104	60.8	435.2	12.91	409.3	12.46	389.4	11.15	379.8	11.31	363.5	10.70	346.0	9.94
		76.1	435.2	12.91	409.3	12.31	389.4	11.15	379.8	11.15	363.5	10.55	346.0	9.94
		152.1	435.2	12.91	409.3	11.70	389.4	11.15	379.8	10.55	363.5	9.94	346.0	9.94
		190.1	435.2	12.91	409.3	11.70	389.4	11.15	379.8	10.55	363.5	9.94	346.0	9.94
		228.2	435.2	12.91	409.3	11.70	389.4	11.15	379.8	10.55	363.5	9.94	346.0	9.94
	113	60.8	435.2	11.70	409.3	11.31	389.4	9.94	379.8	10.08	363.5	9.55	346.0	8.64
		76.1	435.2	11.70	409.3	11.15	389.4	9.94	379.8	9.94	363.5	9.40	346.0	8.79
		152.1	435.2	11.70	409.3	10.55	389.4	9.94	379.8	9.40	363.5	8.79	346.0	9.40
		190.1	435.2	11.70	409.3	10.55	389.4	10.55	379.8	9.40	363.5	8.79	346.0	9.40
		228.2	435.2	11.70	409.3	10.55	389.4	10.85	379.8	9.40	363.5	8.79	346.0	9.40

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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PERFORMANCE DATA

ARWN576DAS4, ARWB576DAS4

576,000 Btu/h, 460V Heat Pump and Heat Recovery Units

Heating Capacity

Combination Ratio (%) (Capacity Index)	Inlet Water Temp (°F)	Water Flow Rate (gpm)	Indoor Air Temperature (°F DB)											
			61		65		68		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW	MBh	kW
50	23	60.8	145.2	13.71	136.5	12.99	128.8	12.29	127.0	11.62	126.4	10.91	124.1	10.33
		76.1	150.1	14.00	141.1	13.28	133.2	12.55	131.4	11.88	130.8	11.15	128.4	10.55
		152.1	169.4	15.16	159.1	14.43	150.7	13.58	148.9	12.91	148.3	12.12	145.3	11.40
		190.1	187.5	16.37	176.0	15.52	166.4	14.67	164.6	13.94	163.4	13.03	160.9	12.31
		228.2	196.6	16.98	184.5	16.07	174.3	15.22	172.5	14.46	171.0	13.49	168.8	12.76
	32	60.8	258.9	20.08	239.7	19.05	222.9	17.94	218.0	17.03	215.0	16.02	207.3	15.11
		76.1	260.4	20.13	241.1	19.10	224.2	18.00	219.4	17.10	216.4	16.06	208.6	15.16
		152.1	266.4	20.31	246.5	19.28	229.7	18.25	224.8	17.34	221.8	16.25	213.4	15.34
		190.1	270.7	20.31	250.2	19.28	232.7	18.25	228.5	17.34	224.8	16.25	217.0	15.34
		228.2	272.8	20.31	252.0	19.28	234.2	18.25	230.3	17.34	226.4	16.25	218.8	15.34
	41	60.8	357.9	21.84	339.4	20.69	323.5	19.53	315.9	18.58	302.0	17.44	288.1	16.40
		76.1	358.7	21.94	340.0	20.79	323.7	19.64	315.9	18.67	302.0	17.52	288.1	16.49
		152.1	361.7	22.37	342.4	21.22	324.3	20.07	315.9	19.03	302.0	17.82	288.1	16.85
		190.1	361.7	22.55	341.8	21.40	324.3	20.19	315.9	19.16	302.0	18.00	288.1	16.97
		228.2	361.7	22.64	341.5	21.49	324.3	20.25	315.9	19.22	302.0	18.10	288.1	17.03
	50	60.8	360.2	20.10	340.1	18.93	323.5	17.79	315.9	17.00	302.0	15.72	288.1	15.00
		76.1	360.5	20.07	340.6	18.91	323.7	17.76	315.9	16.97	302.0	15.76	288.1	14.97
		152.1	361.7	19.94	342.4	18.85	324.3	17.64	315.9	16.85	302.0	15.94	288.1	14.85
		190.1	361.7	20.07	341.8	18.91	324.3	17.70	315.9	16.91	302.0	15.70	288.1	14.91
		228.2	361.7	20.13	341.5	18.94	324.3	17.73	315.9	16.94	302.0	15.58	288.1	14.94
	59	60.8	361.7	18.34	341.8	17.11	324.3	15.98	315.9	15.35	302.0	14.06	288.1	13.60
		76.1	361.7	18.19	341.8	16.97	324.3	15.82	315.9	15.22	302.0	14.06	288.1	13.46
		152.1	361.7	17.58	341.8	16.43	324.3	15.22	315.9	14.67	302.0	14.06	288.1	12.91
		190.1	361.7	17.58	341.8	16.43	324.3	15.22	315.9	14.67	302.0	13.46	288.1	12.91
		228.2	361.7	17.58	341.8	16.43	324.3	15.22	315.9	14.67	302.0	13.15	288.1	12.91
	68	60.8	361.7	15.98	341.8	14.82	324.3	14.22	315.9	13.60	302.0	13.07	288.1	11.70
		76.1	361.7	15.82	341.8	14.67	324.3	14.06	315.9	13.46	302.0	12.91	288.1	11.70
		152.1	361.7	15.22	341.8	14.06	324.3	13.46	315.9	12.91	302.0	12.31	288.1	11.70
		190.1	361.7	15.22	341.8	14.06	324.3	13.46	315.9	12.91	302.0	12.31	288.1	11.70
		228.2	361.7	15.22	341.8	14.06	324.3	13.46	315.9	12.91	302.0	12.31	288.1	11.70
	77	60.8	361.7	14.22	341.8	12.91	324.3	12.46	315.9	11.70	302.0	11.15	288.1	10.55
		76.1	361.7	14.06	341.8	12.91	324.3	12.31	315.9	11.70	302.0	11.15	288.1	10.55
		152.1	361.7	13.46	341.8	12.91	324.3	11.70	315.9	11.70	302.0	11.15	288.1	10.55
		190.1	361.7	13.46	341.8	12.91	324.3	11.70	315.9	11.70	302.0	11.15	288.1	10.55
		228.2	361.7	13.46	341.8	12.91	324.3	11.70	315.9	11.70	302.0	11.15	288.1	10.55
	86	60.8	361.7	13.07	341.8	11.84	324.3	11.31	315.9	10.55	302.0	10.70	288.1	10.08
		76.1	361.7	12.91	341.8	11.70	324.3	11.15	315.9	10.55	302.0	10.55	288.1	9.94
		152.1	361.7	12.31	341.8	11.15	324.3	10.55	315.9	10.55	302.0	9.94	288.1	9.40
		190.1	361.7	12.31	341.8	11.15	324.3	10.55	315.9	10.55	302.0	9.94	288.1	9.40
		228.2	361.7	12.31	341.8	11.15	324.3	10.55	315.9	10.55	302.0	9.94	288.1	9.40
	95	60.8	361.7	11.84	341.8	10.55	324.3	9.94	315.9	10.08	302.0	9.40	288.1	8.79
		76.1	361.7	11.70	341.8	10.55	324.3	9.94	315.9	9.94	302.0	9.40	288.1	8.79
		152.1	361.7	11.15	341.8	10.55	324.3	9.94	315.9	9.40	302.0	9.40	288.1	8.79
		190.1	361.7	11.15	341.8	10.55	324.3	9.94	315.9	9.40	302.0	9.40	288.1	8.79
		228.2	361.7	11.15	341.8	10.55	324.3	9.94	315.9	9.40	302.0	9.40	288.1	8.79
	104	60.8	361.7	10.70	341.8	10.08	324.3	9.55	315.9	8.79	302.0	8.94	288.1	8.18
		76.1	361.7	10.55	341.8	9.94	324.3	9.40	315.9	8.79	302.0	8.79	288.1	8.18
		152.1	361.7	9.94	341.8	9.40	324.3	8.79	315.9	8.79	302.0	8.18	288.1	8.18
		190.1	361.7	9.94	341.8	9.40	324.3	8.79	315.9	8.79	302.0	8.18	288.1	8.18
		228.2	361.7	9.94	341.8	9.40	324.3	8.79	315.9	8.79	302.0	8.18	288.1	8.18
	113	60.8	361.7	9.55	341.8	9.70	324.3	9.08	315.9	7.50	302.0	8.47	288.1	7.64
		76.1	361.7	9.40	341.8	9.40	324.3	8.79	315.9	7.64	302.0	8.18	288.1	7.64
		152.1	361.7	8.79	341.8	8.18	324.3	7.64	315.9	8.18	302.0	7.03	288.1	7.64
		190.1	361.7	8.79	341.8	8.18	324.3	7.64	315.9	8.18	302.0	7.03	288.1	7.64
		228.2	361.7	8.79	341.8	8.18	324.3	7.64	315.9	8.18	302.0	7.03	288.1	7.64

TC = Total Capacity (MBh).

PI = Power Input (kW) (includes compressor and controls).

The System Combination Ratio must be between 50–130%.

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between water source and indoor units.

Nominal heating capacity rating obtained with entering water of 68ºF and indoor ambient conditions of 70ºF dry bulb (DB).

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