



# LG VRF Systems

Air Conditioning Technologies



# ABOUT LG

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## About LG Electronics Canada

LG Electronics Canada, Inc., based in Toronto, Ontario, is the Canadian subsidiary of LG Electronics, Inc., a \$48 billion global force and technology leader in consumer electronics, home appliances and mobile communications. LG Electronics, named an ENERGY STAR® Partner of the Year for many years, sells a range of stylish and innovative home entertainment products, mobile phones, home appliances, commercial displays, air conditioning systems and solar energy solutions in Canada, all under LG's "Life's Good" marketing theme. For more news and information on LG Electronics, please visit [www.lg.com/ca\\_en](http://www.lg.com/ca_en).

## LG Electronics Canada Air Conditioning Technologies

The LG Electronics Canada Air Conditioning Technologies business is based in Toronto, Ontario. LG is a leading player in the global air conditioning market, manufacturing both commercial and residential air conditioners and providing total sustainability and building management solutions. From consumer and individual units to industrial and specialized air conditioning systems, LG provides a wide range of products for heating, ventilating and air conditioning. For more information, please visit [www.lgvrf.ca](http://www.lgvrf.ca).

# ABOUT LG VRF

A Variable Refrigerant Flow (VRF) system is a single refrigerant circuit that connects many indoor units to one outdoor unit. VRF is a superior way to heat and cool any space, providing improved humidity control, individual set points per indoor unit, and a very quiet comfort experience. In the heat recovery configuration, VRF also allows for heating and cooling simultaneously in different zones, further enhancing energy savings and increasing occupant comfort. Energy efficient and easy to design, install, and maintain, a VRF system has low life cycle cost compared to other systems on the market today.

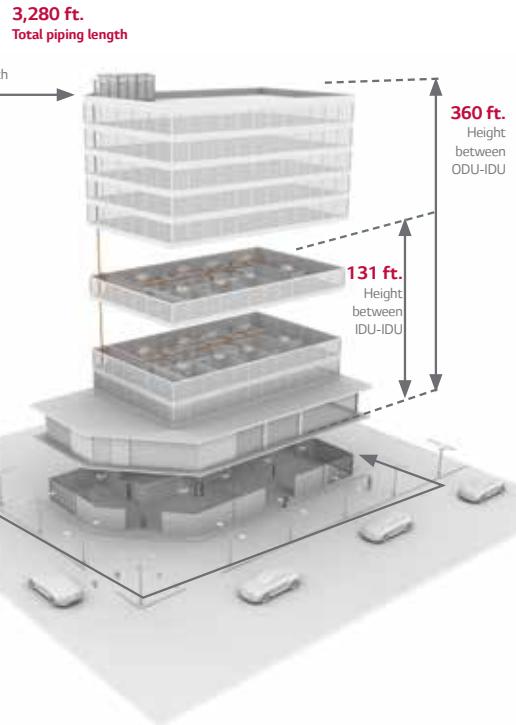
## Why LG VRF?

The benefits are numerous: less piping for installers, energy efficiency for owners, and modern indoor units that complement every setting. Sound levels of LG VRF products are among the lowest in the industry, so units can be installed where noise is an issue. Inverter scroll compressors manufactured by LG optimize system energy efficiency.

### MULTI V™ 5

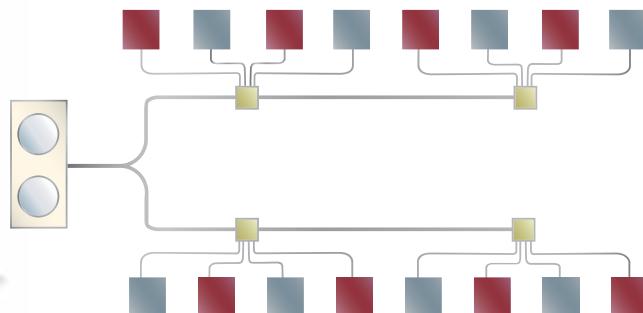
#### 1. High Elevation Piping Distances

NOTE: All piping lengths are equivalent.



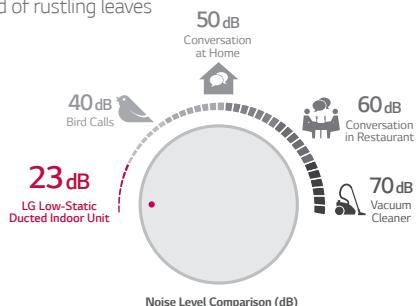
#### 2. Optimized Heat Recovery Piping

- **Flexible piping layout** reduces materials and labor costs during installation
- **LG Heat Recovery Unit (HRU)** is quiet, compact, lightweight, and does not need condensate drains<sup>1</sup>
- **Configured for fully independent heating and cooling**, ensuring occupant comfort



#### 3. Quiet Operation

- Quiet indoor unit operation down to 23 dB(A), comparable to the sound of rustling leaves



#### 4. Operation Range

- Industry-leading operation ranges without additional accessories or performance deficits:
  - Heating: -22 °F to 61 °F WB
  - Cooling: 5 °F to 122 °F DB
  - Simultaneous Cooling: 14 °F to 81 °F DB

1. Down to 31 dB(A). See page 48 for HRU specification details.

# LG VRF ADVANTAGES

## Efficiency

Advanced features for superior efficiency

- **Advanced Smart Load Control**  
Automatically adjusts system target pressures based on outdoor temperature and humidity for increased cooling performance.
- **Active Refrigerant Control**  
Depending on the operating mode and conditions, the system refrigerant level is automatically adjusted for increased part load and heating efficiency.
- **Variable Path Heat Exchanger**  
Depending on the operating mode and conditions, both the refrigerant flow path and velocity are adjusted for improved efficiency.
- **Advanced PCB Cooling**  
Improved cooling performance of the inverter PCB by using liquid refrigerant instead of heat sink cooling methods.

- **LG Inverter Scroll**

Innovative high side-shell design creates a more compact unit providing the same capacity output, with greater reliability in cold climates.

- **HiPOR™ (High-Pressure Oil Return)**

Oil is returned to the compressor through a separate inlet pipe, ensuring that compressor energy is used to compress refrigerant only.

- **Smart Oil Control**

Eliminates timed oil-return cycles and takes hours off of the time required to return oil compared to systems that use a timed oil-recovery cycle.

- **Intelligent Heating**

By monitoring the outdoor humidity, system target pressures can be reduced to extend heating operation, delay defrost operation and reduce power consumption.



## Design Flexibility

- **Higher-Elevation Piping Technology**  
More floors with fewer systems. LG Multi V™ 5 eliminates the need to invest in extra systems and saves on installation. Enjoy no heating capacity losses due to long pipe length.
- **Compact & Lightweight**  
More indoor zones, less outdoor space. When space or access is at a premium, Multi V 5 offers significant cost advantages on large projects.

## Performance

Expansive operating range in cooling and heating without adding accessories

- LG Multi V 5 uses vapor injection technology for improved heating performance in ambient conditions as low as -22°F.
- Using a variable path heat exchanger, LG Multi V 5 performs in low ambient conditions to provide cooling down to 5°F.

## Comfort

- **Quiet Operation**

Multi V indoor units are among the quietest in the industry, with rated sound levels as low as 23dB(A). In addition to temperature, airflow and dehumidification, extremely low sound levels contribute to a relaxing environment.

- **Individualized Zone Control**

Multi V systems allow the user to control the space to the exact temperature desired. This further enhances comfort while promoting reduced power consumption.

- **Indoor Air Quality**

All Multi V indoor units incorporate a reusable, washable filter. Since distribution and return ducts are not required for this system, dust and duct mold accumulation are reduced, contributing to improved indoor air quality.

# TRAINING



## Training

The LG Canada Air Conditioning division is headquartered in Toronto, Ontario, along with a full training academy. Since 2013, our academies have trained hundreds on the advantages of LG air conditioning systems. World class trainers with years of experience teach classes in duct-free technology, with topics covering everything from installation to service for the full range of LG air conditioning products. LG also has a number of strategically placed partner academies throughout the United States that offer a number of LG training classes as well.

## Service Tools

As part of our commitment to innovation, LG has developed innovative ways to enhance the service technician's experience during routine maintenance or service with these tools:

- **LG Monitoring View (LGMV)** Software and Mobile App both connect to LG Multi V Systems to allow technicians to troubleshoot accurately and evaluate equipment performance by interfacing directly with the unit. The software provides an accurate picture of an operating system without the need to check system temperatures manually, access the refrigerant circuit for system pressures, or perform time-consuming resistance and voltage tests. This service tool provides the most effective troubleshooting method for LG Multi V equipment.

**MULTI V™ 5**

**MULTI V™ S**

**MULTI V™  
WATER V**

**MULTI V™  
WATER MINI**



**LG**

**MULTI V™ 5**



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## OUTDOOR UNIT ACCESSORIES

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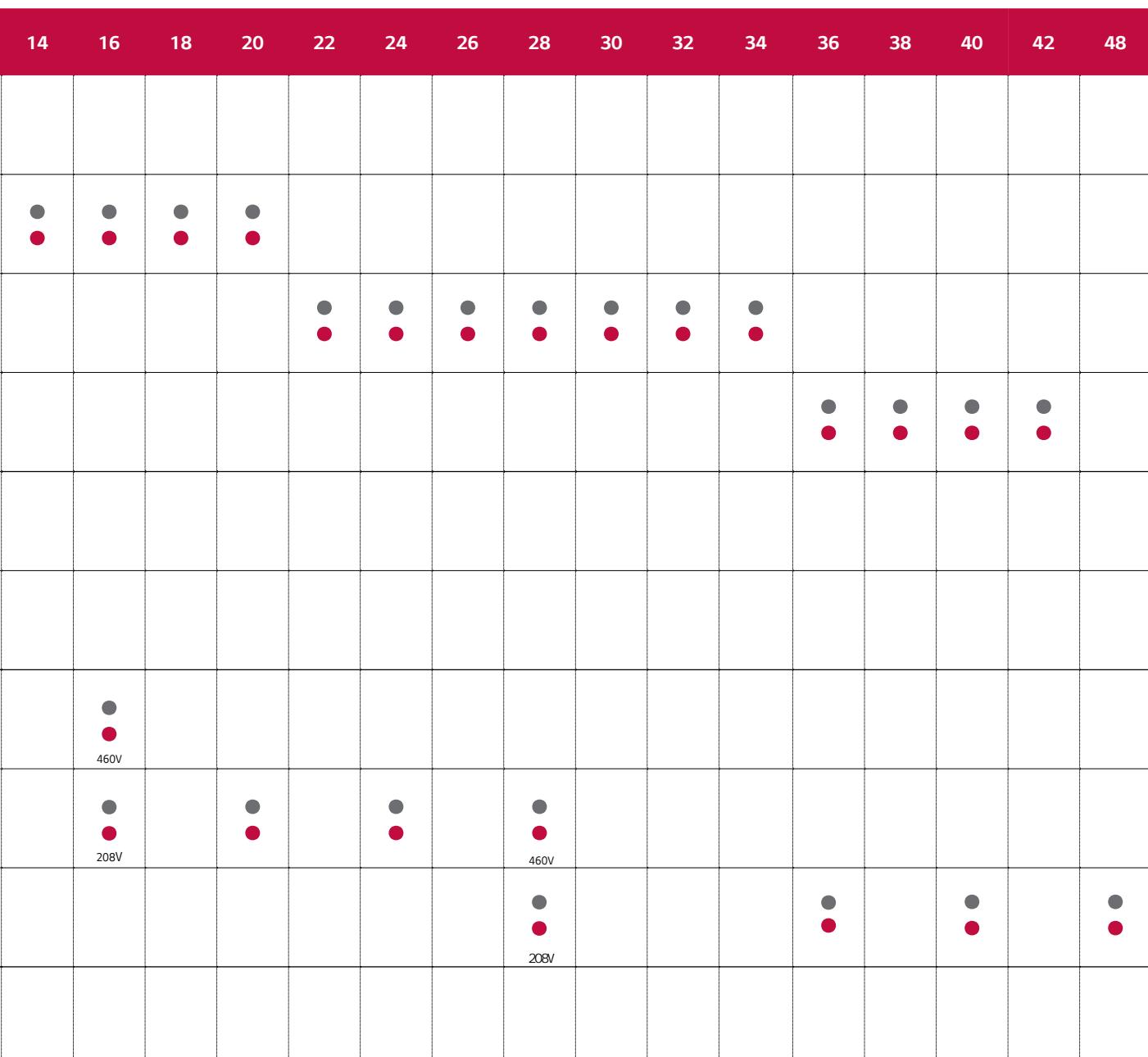
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# OUTDOOR UNIT

## Lineup

		System Type	Frames	2	3	4	4.4	5	6	8	10	12
Air Source	<b>Multi V 5</b>	<ul style="list-style-type: none"> <li>• Heat Pump and Heat Recovery in the same chassis</li> <li>• Available in 208-230V, 460V &amp; 575V</li> </ul>								●		
												
												
												
Water Source	<b>Multi V S</b>	<ul style="list-style-type: none"> <li>• Heat Pump or Heat Recovery Systems</li> <li>• Single-Phase Power</li> </ul>		●								
					●	●			●			
												
Water Source	<b>Multi V Water IV</b>	<ul style="list-style-type: none"> <li>• Heat Pump or Heat Recovery Systems</li> <li>• Available in 208-230V and 460V</li> </ul>								●	●	●
												
												
	<b>Multi V Water Mini</b>	<ul style="list-style-type: none"> <li>• Compact Unit for Installing Indoors</li> <li>• Single-Phase Power</li> </ul>					●					

● = Heat Pump  
 ● = Heat Recovery  
 Unit : Tons



# INDOOR UNIT

## Lineup

LG indoor units offer a wide range of styles and features to fit all of your cooling and heating needs. With cassettes that mount flush to the ceiling, ducted units that are completely concealed in the ceiling, and LG's award-winning Art Cool Gallery and mirror-finished, wall-mounted units that fit into any décor, the Multi V system offers unparalleled aesthetic design and indoor units to fit into multiple applications.

	Chassis	5	7	9	12	15	18
Art Cool™	Gallery 			●	●		
Standard	Wall Mount 	●	●	●	●	●	●
Ceiling Cassette	1-Way 		●	●	●		●
	2-Way 						●
	4-Way (2'x2') 	●	●	●	●	●	●
	4-Way (3'x3') 		●	●	●	●	●
Ceiling Concealed Duct	Low Static (Convertible) 		●	●	●	●	●
	High Static (BH, B8) 		●	●	●	●	●
	High Static (M2, M3) 		●	●	●	●	●
Vertical AHU	Vertical / Horizontal 				●		●
Floor Standing	With Case 		●	●	●	●	●
	Without Case 		●	●	●	●	●

Unit : MBh

24	28	30	36	42	48	54	76	96
●		●	●					
●								
●								
●	●	●	●	●	●			
●								
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●		
●		●	●	●	●	●		
●								
●								

A photograph taken from a low angle looking up at a modern skyscraper. The building's facade is composed of numerous dark, rectangular glass panels. The perspective is upward, creating a sense of height and modernity. The sky above is a clear, pale blue.

# AIR SOURCE SYSTEMS



## MULTI V™ 5

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### MULTI V 5

Heat Recovery  
and Heat Pump  
6 to 42 Tons

## MULTI V™ S

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### MULTI V S

Heat Recovery  
or Heat Pump  
2 to 5 Tons

# MULTI V™ 5



**ARUM\*\*\*CTE5**

Specifications	Unit	ARUM072CTE5	ARUM096CTE5	ARUM121CTE5	ARUM144CTE5
Frames		ARUM072CTE5	ARUM096CTE5	ARUM121CTE5	ARUM144CTE5
Tons		6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700
	Heating	Btu/h	81,000	108,000	135,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000
	Heating	Btu/h	77,000	103,000	129,000
Power Voltage	V / Hz / ø	575/60/3	575/60/3	575/60/3	575/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	*F	5-122	5-122	5-122
Operating Range	Heating	*F	-22 - 61	-22 - 61	-22 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32
Weight	Net	lbs	527	527	527
	Shipping	lbs	554	554	554
Sound Pressure <sup>3</sup>	dB(A)	58.0	58.0	59.0	60.0
Fan (Propeller)	CFM	11,300	11,300	11,300	11,300
	Type	DC Scroll	DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	1	1	1	2
Heat Exchanger	Coating	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch	2/17	2/17	2/17	3/17
Piping	Liquid Line	in	3/8	3/8	1/2
	L/P Vapor Line	in	3/4	7/8	1-1/8
	H/P Vapor Line <sup>4</sup>	in	5/8	3/4	3/4
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charge	lbs	23.2	23.2	26.5
	Control	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>		13	16	20	24

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.



**ARUM\*\*\*CTES5**

Specifications	Unit	ARUM168CTES5	ARUM192CTES5	ARUM216CTES5	ARUM241CTES5
Frames		ARUM168CTES5	ARUM192CTES5	ARUM216CTES5	ARUM241CTES5
Tons		14	16	18	20
Nominal Capacity	Btu/h	168,000	192,000	216,000	233,100
Cooling	Btu/h	168,000	192,000	216,000	233,100
Heating	Btu/h	189,000	216,000	243,000	243,000
Rated Capacity <sup>1</sup>	Btu/h	160,000	184,000	206,000	222,000
Cooling	Btu/h	160,000	184,000	206,000	222,000
Heating	Btu/h	180,000	206,000	230,000	230,000
Power Voltage	V / Hz / ø	575/60/3	575/60/3	575/60/3	575/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Cooling	°F	5-122	5-122	5-122	5-122
Heating	°F	-22 - 61	-22 - 61	-22 - 61	-22 - 61
Operating Range	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32
Weight	Net	lbs	655	675	681
	Shipping	lbs	682	704	709
Sound Pressure <sup>3</sup>	dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)	CFM	11,300	11,300	11,300	11,300
Compressor (DC Scroll)	Type	DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	2	2	2	2
Heat Exchanger	Coating	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch	3/17	3/17	3/17	3/17
Piping	Liquid Line	in	5/8	5/8	5/8
	L/P Vapor Line	in	1-1/8	1-1/8	1-1/8
	H/P Vapor Line <sup>4</sup>	in	7/8	1-1/8	1-1/8
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charge	lbs	26.5	30.9	37.5
	Control	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>		29	32	35	39

# MULTI V™ 5



**ARUM\*\*\*CTE5**

Specifications	Unit	ARUM264CTE5	ARUM288CTE5	ARUM312CTE5	ARUM336CTE5
Frames		ARUM096CTE5 ARUM168CTE5	ARUM096CTE5 ARUM192CTE5	ARUM096CTE5 ARUM216CTE5	ARUM121CTE5 ARUM216CTE5
Tons		22	24	26	28
Nominal Capacity	Cooling	Btu/h	264,000	288,000	312,000
	Heating	Btu/h	297,000	324,000	351,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	252,000	276,000	298,000
	Heating	Btu/h	283,000	309,000	333,000
Power Voltage		V / Hz / ø	575/60/3	575/60/3	575/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
	Cooling	"F	5-122	5-122	5-122
Operating Range	Heating	"F	-22 - 61	-22 - 61	-22 - 61
	Simultaneous Operation <sup>2</sup>	"F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	527+655	527+675	527+681
	Shipping	lbs	554+682	554+704	554+709
Sound Pressure <sup>3</sup>		dB(A)	63.0	63.0	65.0
Fan (Propeller)		CFM	22,600	22,600	22,600
	Type		DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		3	3	3
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17+3/17	2/17+3/17	2/17+3/17
Piping	Liquid Line	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8
	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	7/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 7/8	3/4 + 1-1/8	3/4 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	23.2+26.5	23.2+30.9	23.2+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			42	45	52
					55

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.



**ARUM\*\*\*CTE5**

Specifications	Unit	ARUM360CTE5	ARUM384CTE5	ARUM408CTE5
Frames		ARUM144CTE5 ARUM216CTE5	ARUM168CTE5 ARUM216CTE5	ARUM192CTE5 ARUM216CTE5
Tons		30	32	34
Nominal Capacity	Cooling	Btu/h	360,000	384,000
	Heating	Btu/h	405,000	432,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	344,000	366,000
	Heating	Btu/h	384,000	410,000
Power Voltage		V / Hz / ø	575/60/3	575/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18
	Cooling	*F	5-122	5-122
Operating Range	Heating	*F	-22 - 61	-22 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	655+681	655+681
	Shipping	lbs	682+709	682+709
Sound Pressure <sup>3</sup>		dB(A)	66.0	66.0
Fan (Propeller)		CFM	22,600	22,600
	Type		DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D
	Quantity		4	4
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17 x 2	3/17 x 2
Piping	Liquid Line	in	1/2 + 5/8	5/8 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	7/8 + 1-1/8	7/8 + 1-1/8
Refrigerant	Type		R410A	R410A
	Charge	lbs	26.5+37.5	26.5+37.5
	Control		EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			58	61
				64

# MULTI V™ 5



**ARUM\*\*\*CTE5**

Specifications	Unit	ARUM432CTE5	ARUM456CTE5	ARUM480CTE5	ARUM504CTE5
Frames		ARUM121DTE5 ARUM121DTE5 ARUM192DTE5	ARUM121DTE5 ARUM121DTE5 ARUM216DTE5	ARUM121DTE5 ARUM144DTE5 ARUM216DTE5	ARUM121DTE5 ARUM168DTE5 ARUM216DTE5
Tons		36	38	40	42
Nominal Capacity	Cooling	Btu/h	430,500	455,700	476,700
	Heating	Btu/h	486,000	513,000	540,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	410,000	434,000	454,000
	Heating	Btu/h	460,000	488,000	513,000
Power Voltage		V / Hz / Ø	575/60/3	575/60/3	575/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	*F	5-122	5-122	5-122
	Heating	*F	-22 - 61	-22 - 61	-22 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32
Weight	Net	lbs	527+527+675	527+527+681	527+655+681
	Shipping	lbs	554+554+704	554+554+709	554+682+709
Sound Pressure <sup>3</sup>		dB(A)	66.0	66.0	67.0
Fan (Propeller)		CFM	33,900	33,900	33,900
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	5
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17 x 2 + 3/17	2/17 x 2 + 3/17	2/17 + 3/17 x 2
Piping	Liquid Line	in	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 3/4 + 1-1/8	3/4 + 3/4 + 1-1/8	3/4 + 7/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	23.2+23.2+30.9	23.2+23.2+37.5	23.2+26.5+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			64	64	64

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# MULTI V™ 5

MULTI V



ARUM072BTE5



ARUM\*\*\*BTE5

Specifications	Unit	ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Frames		ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Tons		6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700
	Heating	Btu/h	81,000	108,000	135,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000
	Heating	Btu/h	77,000	103,000	129,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	*F	5-122	5-122	5-122
Operating Range	Heating	*F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	36-5/8x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32
Weight	Net	lbs	430	507	507
	Shipping	lbs	452	534	534
Sound Pressure <sup>3</sup>		dB(A)	58.0	58.0	59.0
Fan (Propeller)		CFM	8,470	11,300	11,300
	Type		DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1
	2				
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17	2/17	2/17
					3/17
	Liquid Line	in	3/8	3/8	1/2
Piping	L/P Vapor Line	in	3/4	7/8	1-1/8
	H/P Vapor Line <sup>4</sup>	in	5/8	3/4	3/4
					7/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	14.3	23.2	23.2
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			13	16	20
					24

# MULTI V™ 5



**ARUM\*\*\*BTE5**

Specifications	Unit	ARUM168BTE5	ARUM192BTE5	ARUM216BTE5	ARUM241BTE5
Frames					
Tons		14	16	18	20
Nominal Capacity	Cooling	Btu/h	168,000	192,000	216,000
	Heating	Btu/h	189,000	216,000	243,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	160,000	184,000	206,000
	Heating	Btu/h	180,000	206,000	230,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	°F	5-122	5-122	5-122
Operating Range	Heating	°F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32
Weight	Net	lbs	639	659	666
	Shipping	lbs	666	688	694
Sound Pressure <sup>3</sup>		dB(A)	61.0	62.0	64.0
Fan (Propeller)		CFM	11,300	11,300	11,300
	Type		DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17	3/17	3/17
	Liquid Line	in	5/8	5/8	5/8
Piping	L/P Vapor Line	in	1-1/8	1-1/8	1-1/8
	H/P Vapor Line <sup>4</sup>	in	7/8	1-1/8	1-1/8
	Type		R410A	R410A	R410A
Refrigerant	Charge	lbs	26.5	30.9	37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			29	32	35
					39

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.



ARUM\*\*\*BTE5

Specifications	Unit	ARUM264BTE5	ARUM288BTE5	ARUM312BTE5	ARUM336BTE5
Frames		ARUM096BTE5 ARUM168BTE5	ARUM096BTE5 ARUM192BTE5	ARUM096BTE5 ARUM168BTE5	ARUM121BTE5 ARUM216BTE5
Tons		22	24	26	28
Nominal Capacity	Cooling	Btu/h	264,000	288,000	312,000
	Heating	Btu/h	297,000	324,000	351,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	252,000	276,000	298,000
	Heating	Btu/h	283,000	309,000	333,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	*F	5-122	5-122	5-122
Operating Range	Heating	*F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	507+639	507+659	507+666
	Shipping	lbs	534+666	534+688	534+694
Sound Pressure <sup>3</sup>	dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)	CFM	22,600	22,600	22,600	22,600
	Type	DC Scroll	DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	3	3	3	3
Heat Exchanger	Coating	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch	2/17+3/17	2/17+3/17	2/17+3/17	2/17+3/17
Piping	Liquid Line	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8
	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	7/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 7/8	3/4 + 1-1/8	3/4 + 1-1/8
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charge	lbs	23.2+26.5	23.2+30.9	23.2+37.5
	Control	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>		42	45	52	55

# MULTI V™ 5



ARUM\*\*\*BTE5

Specifications		Unit	ARUM360BTE5	ARUM384BTE5	ARUM408BTE5
Frames			ARUM144BTE5 ARUM216BTE5	ARUM168BTE5 ARUM216BTE5	ARUM192BTE5 ARUM216BTE5
Tons			30	32	34
Nominal Capacity	Cooling	Btu/h	360,000	384,000	408,000
	Heating	Btu/h	405,000	432,000	459,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	344,000	366,000	390,000
	Heating	Btu/h	384,000	410,000	436,000
Power Voltage	V / Hz / Ø		208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG		2 x 18	2 x 18	2 x 18
	Cooling	°F	5-122	5-122	5-122
Operating Range	Heating	°F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure <sup>3</sup>		dB(A)	66.0	66.0	66.0
Fan (Propeller)		CFM	22,600	22,600	22,600
	Type		DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	4
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17 x 2	3/17 x 2	3/17 x 2
Piping	Liquid Line	in	1/2 + 5/8	5/8 + 5/8	5/8 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	26.5+37.5	26.5+37.5	30.9+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			58	61	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ 5

MULTI V



ARUM\*\*\*BTE5

Specifications	Unit	ARUM432BTE5	ARUM456BTE5	ARUM480BTE5	ARUM504BTE5
Frames		ARUM121BTE5 ARUM121BTE5 ARUM192BTE5	ARUM121BTE5 ARUM121BTE5 ARUM216BTE5	ARUM121BTE5 ARUM148BTE5 ARUM216BTE5	ARUM121BTE5 ARUM168BTE5 ARUM216BTE5
Tons		36	38	40	42
Nominal Capacity	Cooling	Btu/h	430,500	455,700	476,700
	Heating	Btu/h	486,000	513,000	540,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	410,000	434,000	454,000
	Heating	Btu/h	460,000	488,000	513,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	°F	5-122	5-122	5-122
Operating Range	Heating	°F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32
Weight	Net	lbs	507+507+659	507+507+666	507+639+666
	Shipping	lbs	507+507+688	534+534+694	534+666+694
Sound Pressure <sup>3</sup>	dB(A)	66.0	66.0	67.0	67.0
Fan (Propeller)	CFM	33,900	33,900	33,900	33,900
	Type	DC Scroll	DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	4	4	5	5
Heat Exchanger	Coating	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch	2/17 x 2 + 3/17	2/17 x 2 + 3/17	2/17 + 3/17 x 2	2/17 + 3/17 x 2
Piping	Liquid Line	in	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 3/4 + 1-1/8	3/4 + 3/4 + 1-1/8	3/4 + 7/8 + 1-1/8
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charge	lbs	23.2+23.2+30.9	23.2+23.2+37.5	23.2+26.5+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>		64	64	64	64

# MULTI V™ 5



ARUM072DTE5



ARUM\*\*\*DTE5

Specifications	Unit	ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Frames		ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Tons		6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700
	Heating	Btu/h	81,000	108,000	135,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000
	Heating	Btu/h	77,000	103,000	129,000
Power Voltage	V / Hz / ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	°F	5-122	5-122	5-122
	Heating	°F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	36-5/8x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32	48-13/16x66-17/32x29-29/32
Weight	Net	lbs	430	507	507
	Shipping	lbs	452	534	534
Sound Pressure <sup>3</sup>		dB(A)	58.0	58.0	59.0
Fan (Propeller)		CFM	8,470	11,300	11,300
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17	2/17	2/17
Piping	Liquid Line	in	3/8	3/8	1/2
	L/P Vapor Line	in	3/4	7/8	1-1/8
	H/P Vapor Line <sup>4</sup>	in	5/8	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	14.3	23.2	23.2
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			13	16	20
					24

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.



ARUM\*\*\*DTE5

Specifications	Unit	ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Frames		ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Tons		14	16	18	20
Nominal Capacity	Btu/h	168,000	192,000	216,000	233,100
Cooling	Btu/h	168,000	192,000	216,000	233,100
Heating	Btu/h	189,000	216,000	243,000	243,000
Rated Capacity <sup>1</sup>	Btu/h	160,000	184,000	206,000	222,000
Cooling	Btu/h	180,000	206,000	230,000	230,000
Heating	Btu/h	180,000	206,000	230,000	230,000
Power Voltage	V / Hz / Ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Cooling	°F	5-122	5-122	5-122	5-122
Heating	°F	-13 - 61	-13 - 61	-13 - 61	-13 - 61
Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in 48-13/16x66-17/32x29-29/32	in 48-13/16x66-17/32x29-29/32	in 48-13/16x66-17/32x29-29/32	in 48-13/16x66-17/32x29-29/32
Weight	Net	lbs 639	lbs 659	lbs 666	lbs 666
	Shipping	lbs 666	lbs 688	lbs 694	lbs 694
Sound Pressure <sup>3</sup>	dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)	CFM	11,300	11,300	11,300	11,300
Compressor (DC Scroll)	Type	DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	2	2	2	2
Heat Exchanger	Coating	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch	3/17	3/17	3/17	3/17
Piping	Liquid Line	in 5/8	in 5/8	in 5/8	in 5/8
	L/P Vapor Line	in 1-1/8	in 1-1/8	in 1-1/8	in 1-3/8
	H/P Vapor Line <sup>4</sup>	in 7/8	in 1-1/8	in 1-1/8	in 1-1/8
Refrigerant	Type	R410A	R410A	R410A	R410A
	Charge	lbs 26.5	lbs 30.9	lbs 37.5	lbs 37.5
	Control	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>		29	32	35	39

# MULTI V™ 5



ARUM\*\*\*DTE5

Specifications		Unit	ARUM264DTE5	ARUM288DTE5	ARUM312DTE5	ARUM336DTE5
Frames			ARUM096DTE5 ARUM168DTE5	ARUM096DTE5 ARUM192DTE5	ARUM096DTE5 ARUM216DTE5	ARUM121DTE5 ARUM216DTE5
Tons			22	24	26	28
Nominal Capacity	Cooling	Btu/h	264,000	288,000	312,000	336,000
	Heating	Btu/h	297,000	324,000	351,000	378,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	252,000	276,000	298,000	320,000
	Heating	Btu/h	283,000	309,000	333,000	359,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
	Cooling	°F	5-122	5-122	5-122	5-122
Operating Range	Heating	°F	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	507+639	507+659	507+666	507+666
	Shipping	lbs	534+666	534+688	534+694	534+694
Sound Pressure <sup>3</sup>		dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)		CFM	22,600	22,600	22,600	22,600
	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		3	3	3	3
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17+3/17	2/17+3/17	2/17+3/17	2/17+3/17
Piping	Liquid Line	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	1/2 + 5/8
	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 7/8	3/4 + 1-1/8	3/4 + 1-1/8	3/4 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	23.2+26.5	23.2+30.9	23.2+37.5	23.2+37.5
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			42	45	52	55

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.



ARUM\*\*\*DTE5

Specifications		Unit	ARUM360DTE5	ARUM384DTE5	ARUM408DTE5
Frames			ARUM144DTE5 ARUM216DTE5	ARUM168DTE5 ARUM216DTE5	ARUM192DTE5 ARUM216DTE5
Tons			30	32	34
Nominal Capacity	Cooling	Btu/h	360,000	384,000	408,000
	Heating	Btu/h	405,000	432,000	459,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	344,000	366,000	390,000
	Heating	Btu/h	384,000	410,000	436,000
Power Voltage	V / Hz / ø		460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG		2 x 18	2 x 18	2 x 18
	Cooling	*F	5-122	5-122	5-122
Operating Range	Heating	*F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32	97-5/8x66-17/32x29-29/32
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure <sup>3</sup>		dB(A)	66.0	66.0	66.0
Fan (Propeller)		CFM	22,600	22,600	22,600
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	4
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		3/17 x 2	3/17 x 2	3/17 x 2
Piping	Liquid Line	in	1/2 + 5/8	5/8 + 5/8	5/8 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	26.5+37.5	26.5+37.5	30.9+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			58	61	64

# MULTI V™ 5



**ARUM\*\*\*DTE5**

Specifications	Unit	ARUM432DTE5	ARUM456DTE5	ARUM480DTE5	ARUM504DTE5
Frames		ARUM121DTE5 ARUM121DTE5 ARUM192DTE5	ARUM121DTE5 ARUM121DTE5 ARUM216DTE5	ARUM121DTE5 ARUM144DTE5 ARUM216DTE5	ARUM121DTE5 ARUM168DTE5 ARUM216DTE5
Tons		36	38	40	42
Nominal Capacity	Cooling	Btu/h	430,500	455,700	476,700
	Heating	Btu/h	486,000	513,000	540,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	410,000	434,000	454,000
	Heating	Btu/h	460,000	488,000	513,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
	Cooling	*F	5-122	5-122	5-122
Operating Range	Heating	*F	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation <sup>2</sup>	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32	146-7/16x66-17/32x29-29/32
Weight	Net	lbs	507+507+659	507+507+666	507+639+666
	Shipping	lbs	534+534+688	534+534+694	534+666+694
Sound Pressure <sup>3</sup>		dB(A)	66.0	66.0	67.0
Fan (Propeller)		CFM	33,900	33,900	33,900
	Type		DC Scroll	DC Scroll	DC Scroll
Compressor (DC Scroll)	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		4	4	5
Heat Exchanger	Coating		Black Coated Fin™	Black Coated Fin™	Black Coated Fin™
	Rows/Fins per Inch		2/17 x 2 + 3/17	2/17 x 2 + 3/17	2/17 + 3/17 x 2
Piping	Liquid Line	in	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8	1/2 + 1/2 + 5/8
	L/P Vapor Line	in	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
	H/P Vapor Line <sup>4</sup>	in	3/4 + 3/4 + 1-1/8	3/4 + 3/4 + 1-1/8	3/4 + 7/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	23.2+23.2+30.9	23.2+23.2+37.5	23.2+26.5+37.5
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>5</sup>			64	64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. Used in Heat Recovery Systems only.

5. The System Combination Ratio must be between 50 and 130%.

6. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ S HEAT PUMP

MULTI V S



ARUN\*\*\*GSS4

Specifications		Unit	ARUN024GSS4	ARUN038GSS4	ARUN048GSS4	ARUN060GSS4
Tons			2	3	4	5
Nominal Capacity	Cooling	Btu/h	24,000	39,500	50,000	60,000
	Heating	Btu/h	27,000	44,000	56,500	64,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	24,000	38,000	48,000	60,000
	Heating	Btu/h	27,000	42,000	54,500	64,000
Power Voltage	V / Hz / ø		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Power/Communication Wiring	No x AWG		2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling <sup>2</sup>	*F	23 - 122	23 - 122	23 - 122	23 - 122
	Heating	*F	-4 - 61	-4 - 61	-4 - 61	-13 - 61
Dimensions (WxDxH)	Body	in	37-13/32 x 13 x 32-27/32	37-13/32 x 13 x 54-11/32	37-13/32 x 13 x 54-11/32	37-13/32 x 13 x 54-11/32
Weight	Net	lbs	159	207	207	256
	Shipping	lbs	176	218	218	284
Sound Pressure <sup>3</sup>		dB(A)	50	50	51	57
Fan (Axial Flow Fan)		CFM	2,119	3,885	3,885	3,885
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
Heat Exchanger	Coating		Gold Fin / Hydrophilic			
	Rows/Fins per Inch		2/14	2/14	2/14	3/14
Piping	Liquid Line	in	3/8	3/8	3/8	3/8
	Vapor Line	in	5/8	5/8	5/8	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	4.0	6.6	6.6	8.8
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>4</sup>			4	6	8	12

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Cooling range with the Low Ambient Baffle Kit (sold separately) is -9.9°F to +122°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. The System Combination Ratio must be between 50 and 130%.

5. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ S HEAT RECOVERY



ARUB060GSS4

Specifications	Unit	ARUB060GSS4
Tons		5
Nominal Capacity	Btu/h	60,000
	Btu/h	64,000
Rated Capacity <sup>1</sup>	Btu/h	60,000
	Btu/h	64,000
Power Voltage	V / Hz / Ø	208-230/60/1
Power/Communication Wiring	No x AWG	2 x 18
Operating Range	'F	23 - 122
	'F	-13 - 61
Dimensions (WxDxH)	in	37-13/32x13x54-11/32
Weight	lbs	256
	lbs	284
Sound Pressure <sup>3</sup>	dB(A)	57
Fan (Axial Flow Fan)	CFM	3,885
Compressor	Type	DC Inverter
	Oil Type	PVE/FVC68D
	Quantity	1
Heat Exchanger	Coating	Gold Fin / Hydrophilic
	Rows/Fins per Inch	3/14
Piping	Liquid Line	3/8
	H/P Vapor Line	5/8
	L/P Vapor Line	3/4
Refrigerant	Type	R410A
	Charge	8.8
	Control	EEV
Maximum Number of Indoor Units <sup>4</sup>		12

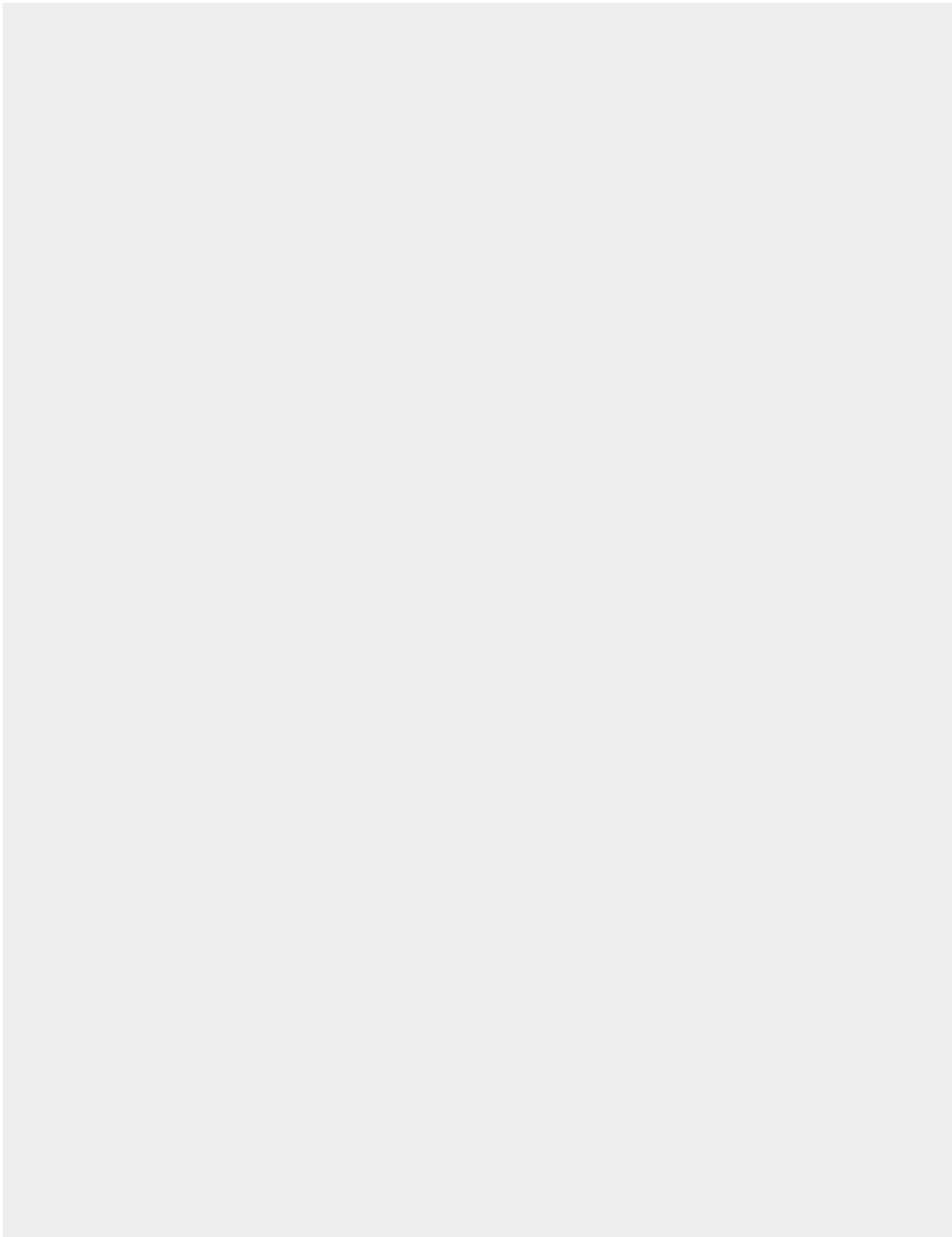
1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Cooling range with the Low Ambient Baffle Kit (sold separately) is -9.9°F to +122°F.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

4. The System Combination Ratio must be between 50 and 130%.

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# WATER SOURCE SYSTEMS



LG Multi V Water IV installation at  
Decorah High School, Decorah, Iowa

**MULTI V**  
WATER IV



## MULTI V WATER IV

Heat Pump & Heat Recovery  
6 to 48 Tons

**MULTI V**  
WATER MINI



## MULTI V WATER MINI

Heat Pump  
4.4 Tons

# MULTI V™ WATER IV HEAT PUMP (208-230V)



MULTI V WATER IV

ARWN\*\*\*BAS4

Specifications		Unit	ARWN072BAS4	ARWN096BAS4	ARWN121BAS4	ARWN144BAS4
Frames						
Tons			6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	154,000
Power Voltage	V / Hz / Ø		208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG		2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	280
	Shipping	lbs	302	302	302	302
Sound Pressure <sup>2</sup>		dB(A)	47/51	50/53	56/56	58/57
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5
	Pressure Drop	ft wg	3.7	4.7	6.9	9.2
Piping	Liquid Line	in	3/8	3/8	1/2	1/2
	Vapor Line	in	7/8	7/8	1-1/8	1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	12.8
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			13	16	20	23

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT PUMP (208-230V)



ARWN\*\*\*BAS4

Specifications	Unit	ARWN192BAS4	ARWN240BAS4	ARWN288BAS4
Frames		ARWN072BAS4 ARWN121BAS4	ARWN121BAS4 ARWN121BAS4	ARWN144BAS4 ARWN144BAS4
Tons		16	20	24
Nominal Capacity	Cooling	Btu/h	192,000	239,400
	Heating	Btu/h	216,000	270,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	184,000	228,000
	Heating	Btu/h	206,000	256,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4
Weight	Net	lbs	280 x 2	280 x 2
	Shipping	lbs	302 x 2	302 x 2
Sound Pressure <sup>2</sup>		dB(A)	54/60	59/59
Water Temperature Range	Cooling	°F	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113
Compressor	Type		DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D
	Quantity		2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3 + 30.4	30.4 + 30.4
	Pressure Drop	ft wg	3.7 + 6.9	6.9 + 6.9
Piping	Liquid Line	in	3/8 + 1/2	1/2 + 1/2
	Vapor Line	in	7/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A
	Charge	lbs	12.8 + 12.8	12.8 + 12.8
	Control		EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>		32	39	45

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT PUMP (208-230V)



MULTI V WATER IV

ARWN\*\*\*BAS4

Specifications	Unit	ARWN336BAS4	ARWN432BAS4
Frames		ARWN121BAS4 ARWN121BAS4 ARWN096BAS4	ARWN144BAS4 ARWN144BAS4 ARWN144BAS4
Tons		28	36
Nominal Capacity	Cooling	Btu/h	336,000
	Heating	Btu/h	378,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	320,000
	Heating	Btu/h	360,000
Power Voltage	V / Hz / Ø	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	97-1/4x39-1/4x19-3/4
	Net	lbs	280 x 3
Weight	Shipping	lbs	302 x 3
Sound Pressure <sup>2</sup>		dB(A)	60/64
	Cooling	*F	23 - 113
Water Temperature Range	Heating	*F	14 - 113
	Type		DC Scroll
Compressor	Oil Type		PVE/FVC68D
	Quantity		3
	Type		Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	GPM	30.4 + 30.4 + 25.4
	Pressure Drop	ft wg	6.9 + 6.9 + 4.7
Piping	Liquid Line	in	1/2 + 1/2 + 3/8
	Vapor Line	in	1-1/8 + 1-1/8 + 7/8
	Type		R410A
Refrigerant	Charge	lbs	12.8 + 12.8 + 12.8
	Control		EEV
Maximum Number of Indoor Units <sup>3</sup>		55	64

# MULTI V™ WATER IV HEAT PUMP (460V)



ARWN\*\*\*DAS4

Specifications	Unit	ARWN072DAS4	ARWN096DAS4	ARWN121DAS4	ARWN144DAS4	ARWN192DAS4
Frames		ARWN072DAS4	ARWN096DAS4	ARWN121DAS4	ARWN144DAS4	ARWN192DAS4
Tons		6	8	10	12	16
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	154,000
Power Voltage	V / Hz / ø	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	309
	Shipping	lbs	302	302	302	331
Sound Pressure <sup>2</sup>		dB(A)	47/51	50/53	56/56	58/57
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113
Compressor	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5
	Pressure Drop	ft wg	3.7	4.7	6.9	4.7
Piping	Liquid Line	in	3/8	3/8	1/2	1/2
	Vapor Line	in	7/8	7/8	1-1/8	1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	6.6
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			13	16	20	23
						32

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT PUMP (460V)



MULTI V WATER IV

ARWN\*\*\*DAS4

Specifications		Unit	ARWN240DAS4	ARWN288DAS4	ARWN336DAS4
Frames			ARWN096DAS4 ARWN144DAS4	ARWN144DAS4 ARWN144DAS4	ARWN192DAS4 ARNB144DAS4
Tons			20	24	28
Nominal Capacity	Cooling	Btu/h	239,400	287,700	336,000
	Heating	Btu/h	270,000	324,000	378,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	228,000	274,000	320,000
	Heating	Btu/h	256,000	308,000	360,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Dimensions (W×D×H)	Body	in	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4
Weight	Net	lbs	280 + 309	309 + 309	309 + 309
	Shipping	lbs	302 + 331	331 + 331	331 + 331
Sound Pressure <sup>2</sup>		dB(A)	57/57	58/57	59/62
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113
Compressor	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	25.4 + 35.5	35.5 + 35.5	50.7 + 35.5
	Pressure Drop	ft wg	4.7 + 4.7	4.7 + 4.7	9.7 + 4.7
Piping	Liquid Line	in	3/8 + 1/2	1/2 + 1/2	1/2 + 1/2
	Vapor Line	in	7/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	12.8 + 6.6	6.6 + 6.6	6.6 + 6.6
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			39	45	55

# MULTI V™ WATER IV HEAT PUMP (460V)



ARWN\*\*\*DAS4

Specifications	Unit	ARWN432DAS4	ARWN480DAS4	ARWN576DAS4
Frames		ARWN144DAS4 ARWN144DAS4 ARWN144DAS4	ARWN144DAS4 ARWN144DAS4 ARWN192DAS4	ARWN192DAS4 ARWN192DAS4 ARWN192DAS4
Tons		36	40	48
Nominal Capacity	Cooling	Btu/h 430,500	Btu/h 472,500	Btu/h 571,200
	Heating	Btu/h 486,000	Btu/h 540,000	Btu/h 648,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h 410,000	Btu/h 450,000	Btu/h 544,000
	Heating	Btu/h 460,000	Btu/h 510,000	Btu/h 610,000
Power Voltage	V / Hz / ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in 97-1/4x39-1/4x19-3/4	in 97-1/4x39-1/4x19-3/4	in 97-1/4x39-1/4x19-3/4
Weight	Net	lbs 309 x 3	lbs 309 x 3	lbs 309 x 3
	Shipping	lbs 331 x 3	lbs 331 x 3	lbs 331 x 3
Sound Pressure <sup>2</sup>		dB(A) 62/63	dB(A) 60/62	dB(A) 60/62
Water Temperature Range	Cooling	*F 23 - 113	*F 23 - 113	*F 23 - 113
	Heating	*F 14 - 113	*F 14 - 113	*F 14 - 113
Compressor	Type	DC Scroll	DC Scroll	DC Scroll
	Oil Type	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity	3	3	3
	Type	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	GPM 35.5 + 35.5 + 35.5	GPM 35.5 + 35.5 + 50.7	GPM 50.7 + 50.7 + 50.7
	Pressure Drop	ft wg 4.7 + 4.7 + 4.7	ft wg 4.7 + 4.7 + 9.2	ft wg 9.2 + 9.2 + 9.2
Piping	Liquid Line	in 1/2 + 1/2 + 1/2	in 1/2 + 1/2 + 1/2	in 1/2 + 1/2 + 1/2
	Vapor Line	in 1-1/8 + 1-1/8 + 1-1/8	in 1-1/8 + 1-1/8 + 1-1/8	in 1-1/8 + 1-1/8 + 1-1/8
Refrigerant	Type	R410A	R410A	R410A
	Charge	lbs 6.6 + 6.6 + 6.6	lbs 6.6 + 6.6 + 6.6	lbs 6.6 + 6.6 + 6.6
	Control	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>		64	64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT RECOVERY (208-230V)



MULTI V WATER IV

ARWB\*\*\*BAS4

Specifications		Unit	ARWB072BAS4	ARWB096BAS4	ARWB121BAS4	ARWB144BAS4
Frames						
Tons			6	8	10	12
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000
	Heating	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000	138,000
	Heating	Btu/h	77,000	103,000	129,000	154,000
Power Voltage	V / Hz / Ø	V / Hz / Ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	280
	Shipping	lbs	302	302	302	302
Sound Pressure <sup>2</sup>		dB(A)	47/51	50/53	56/56	58/57
	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113
Water Temperature Range	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113	23 - 113
Compressor	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5
	Pressure Drop	ft wg	3.7	4.7	6.9	9.2
Piping	Liquid Line	in	3/8	3/8	1/2	1/2
	L/P Vapor Line	in	7/8	7/8	1-1/8	1-1/8
	H/P Vapor Line	in	3/4	3/4	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	12.8
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			13	16	20	23

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT RECOVERY (208-230V)



ARWB\*\*\*BAS4

Specifications	Unit	ARWN192BAS4	ARWB216BAS4	ARWB240BAS4	ARWB288BAS4
Frames		ARWN072BAS4 ARWN121BAS4	ARWB072BAS4 ARWB144BAS4	ARWB121BAS4 ARWB121BAS4	ARWB144BAS4 ARWB144BAS4
Tons		16	18	20	24
Nominal Capacity	Cooling	Btu/h	192,000	216,000	239,400
	Heating	Btu/h	216,000	243,000	270,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	184,000	206,000	228,000
	Heating	Btu/h	206,000	232,000	256,000
Power Voltage	V / Hz / ø	208-230/60/3	208-230/60/3	208-230/60/3	208-230/60/3
Power/Communication Wiring	No x AWG	2 x 18	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4
Weight	Net	lbs	280 x 2	280 x 2	280 x 2
	Shipping	lbs	302 x 2	302 x 2	302 x 2
Sound Pressure <sup>2</sup>		dB(A)	54/60	57/57	59/59
	Cooling	°F	23 - 113	23 - 113	23 - 113
Water Temperature Range	Heating	°F	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113
Compressor	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2
	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	GPM	20.3 + 30.4	20.3 + 35.5	30.4 + 30.4
	Pressure Drop	ft wg	3.7 + 6.9	3.7 + 9.2	6.9 + 6.9
	Liquid Line	in	3/8 + 1/2	3/8 + 1/2	1/2 + 1/2
Piping	L/P Vapor Line	in	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line	in	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	12.8 + 12.8	12.8 + 12.8	12.8 + 12.8
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>		32	35	39	45

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT RECOVERY (208-230V)



MULTI V WATER IV

ARWB\*\*\*BAS4

Specifications	Unit	ARWB336BAS4	ARWB432BAS4
Frames		ARWB121BAS4 ARWB121BAS4 ARWB096BAS4	ARWB144BAS4 ARWB144BAS4 ARWB144BAS4
Tons		28	36
Nominal Capacity	Cooling	Btu/h	336,000
	Heating	Btu/h	378,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	320,000
	Heating	Btu/h	360,000
Power Voltage		V / Hz / ø	208-230/60/3
Power/Communication Wiring		No x AWG	2 x 18
Dimensions (W×D×H)	Body	in	97-1/4x39-1/4x19-3/4
Weight	Net	lbs	280 x 3
	Shipping	lbs	302 x 3
Sound Pressure <sup>2</sup>		dB(A)	60/64
Water Temperature Range	Cooling	°F	23 - 113
	Heating	°F	14 - 113
	Synchronous Operation	°F	23 - 113
Compressor	Type		DC Scroll
	Oil Type		PVE/FVC68D
	Quantity		3
Heat Exchanger	Type		Stainless Steel Plate
	Flow Rate Nominal	GPM	30.4 + 30.4 + 25.4
	Pressure Drop	ft wg	6.9 + 6.9 + 4.7
Piping	Liquid Line	in	1-1/2 + 1-1/2 + 3/8
	L/P Vapor Line	in	1-1/8 + 1-1/8 + 7/8
	H/P Vapor Line	in	3/4 + 3/4 + 3/4
Refrigerant	Type		R410A
	Charge	lbs	12.8 + 12.8 + 12.8
	Control		EEV
Maximum Number of Indoor Units <sup>3</sup>		55	64

# MULTI V™ WATER IV HEAT RECOVERY (460V)



ARWB\*\*\*DAS4

Specifications		Unit	ARWB072DAS4	ARWB096DAS4	ARWB121DAS4	ARWB144DAS4	ARWB192DAS4
Frames			ARWB072DAS4	ARWB096DAS4	ARWB121DAS4	ARWB144DAS4	ARWB192DAS4
Tons			6	8	10	12	16
Nominal Capacity	Cooling	Btu/h	72,000	96,000	119,700	144,000	192,000
	Heating	Btu/h	81,000	108,000	135,000	162,000	216,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	69,000	92,000	114,000	138,000	184,000
	Heating	Btu/h	77,000	103,000	129,000	154,000	206,000
Power Voltage	V / Hz / ø		460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
Power/Communication Wiring	No x AWG		2 x 18				
Dimensions (WxDxH)	Body	in	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	309	309
	Shipping	lbs	302	302	302	331	331
Sound Pressure <sup>2</sup>		dB(A)	47/51	50/53	56/56	58/57	54/60
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113
Compressor	Type		DC Scroll				
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate				
	Flow Rate Nominal	GPM	20.3	25.4	30.4	35.5	50.7
	Pressure Drop	ft wg	3.7	4.7	6.9	4.7	9.2
Piping	Liquid Line	in	3/8	3/8	1/2	1/2	1/2
	L/P Vapor Line	in	7/8	7/8	7/8	1-1/8	1-1/8
	H/P Vapor Line	in	3/4	3/4	3/4	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	6.6	6.6
	Control		EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			13	16	20	23	32

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# MULTI V™ WATER IV HEAT RECOVERY (460V)



MULTI V WATER IV

ARWB\*\*\*DAS4

Specifications		Unit	ARWB240DAS4	ARWB289DAS4	ARWB337DAS4
Frames			ARWB096DAS4 ARWB144DAS4	ARWB144DAS4 ARWB144DAS4	ARWB192DAS4 ARWB144DAS4
Tons			20	24	28
Nominal Capacity	Cooling	Btu/h	239,400	287,700	336,000
	Heating	Btu/h	270,000	324,000	378,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	228,000	274,000	320,000
	Heating	Btu/h	256,000	308,000	360,000
Power Voltage		V / Hz / Ø	460/60/3	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4
Weight	Net	lbs	280 + 309	309 + 309	309 + 309
	Shipping	lbs	302 + 331	331 + 331	331 + 331
Sound Pressure <sup>2</sup>		dB(A)	57/57	58/57	59/62
Water Temperature Range	Cooling	*F	23 - 113	23 - 113	23 - 113
	Heating	*F	14 - 113	14 - 113	14 - 113
	Synchronous Operation	*F	23 - 113	23 - 113	23 - 113
Compressor	Type		DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		2	2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	25.4 + 35.5	35.5 + 35.5	50.7 + 35.5
	Pressure Drop	ft wg	4.7 + 4.7	4.7 + 4.7	9.2 + 4.7
Piping	Liquid Line	in	3/8 + 1/2	1/2 + 1/2	1/2 + 1/2
	L/P Vapor Line	in	7/8 + 1-1/8	1-1/8 + 1-1/8	1-1/8 + 1-1/8
	H/P Vapor Line	in	3/4 + 3/4	3/4 + 3/4	3/4 + 3/4
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	12.8 + 6.6	6.6 + 6.6	6.6 + 6.6
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			39	45	55

# MULTI V™ WATER IV HEAT RECOVERY (460V)



ARWB\*\*\*DAS4

Specifications	Unit	ARWB432DAS4	ARWB480DAS4	ARWB576DAS4
Frames		ARWB144DAS4 ARWB144DAS4 ARWB144DAS4	ARWB144DAS4 ARWB144DAS4 ARWB192DAS4	ARWB192DAS4 ARWB192DAS4 ARWB192DAS4
Tons		36	40	48
Nominal Capacity	Cooling	Btu/h	430,500	472,500
	Heating	Btu/h	486,000	540,000
Rated Capacity <sup>1</sup>	Cooling	Btu/h	410,000	450,000
	Heating	Btu/h	460,000	510,000
Power Voltage	V / Hz / ø		460/60/3	460/60/3
Power/Communication Wiring	No x AWG		2 x 18	2 x 18
Dimensions (WxDxH)	Body	in	97-1/4x39-1/4x19-3/4	97-1/4x39-1/4x19-3/4
Weight	Net	lbs	309 x 3	309 x 3
	Shipping	lbs	331 x 3	331 x 3
Sound Pressure <sup>2</sup>		dB(A)	62/63	60/62
	Cooling	*F	23 - 113	23 - 113
Water Temperature Range	Heating	*F	14 - 113	14 - 113
	Synchronous Operation	*F	23 - 113	23 - 113
Compressor	Type		DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D
	Quantity		3	3
	Type		Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	GPM	35.5 + 35.5 + 35.5	35.5 + 35.5 + 50.7
	Pressure Drop	ft wg	4.7 + 4.7 + 4.7	4.7 + 4.7 + 9.2
	Liquid Line	in	1/2 + 1/2 + 1/2	1/2 + 1/2 + 1/2
Piping	L/P Vapor Line	in	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
	H/P Vapor Line	in	3/4 + 3/4 + 3/4	3/4 + 3/4 + 3/4
Refrigerant	Type		R410A	R410A
	Charge	lbs	6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6
	Control		EEV	EEV
Maximum Number of Indoor Units <sup>3</sup>			64	64

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

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# MULTI V™ WATER MINI



MULTI V WATER  
MINI

ARWN\*\*\*GA2

Specifications		Unit	ARWN053GA2
Tons			4.4
Nominal Capacity	Cooling	Btu/h	52,900
	Heating	Btu/h	61,400
Rated Capacity <sup>1</sup>	Cooling	Btu/h	53,000
	Heating	Btu/h	61,000
Power	Voltage	V / Hz / Ø	208-230/60/1
Dimensions (WxDxH)	Body	in	20-5/8 x 42-1/2 x 13-1/8
Weight	Net	lbs	168
	Shipping	lbs	181
Sound Pressure <sup>2</sup>		dB(A)	54
Water Temperature Range	Cooling	°F	23-113
	Heating	°F	23-113
Compressor	Type		Inverter Rotary
	Oil Type		PVE
	Quantity		1
Heat Exchanger	Type		Stainless Steel Plate
	Flow Rate	GPM	15.9
	Pressure Drop	ft wg	9.5
Piping	Liquid Line	in	3/4
	Vapor Line	in	3/8
Refrigerant	Type		R410A
	Charge	lbs	2.2
	Control		EEV
Maximum Number of Indoor Units <sup>3</sup>			9

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

3. The System Combination Ratio must be between 50 and 130%.

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# ERV (ENERGY RECOVERY VENTILATOR)



**ARVU\*\*\*\*\*A2**

The LG ERV system allows users to exchange indoor air with outdoor air in order to improve the air quality by reducing the temperature and humidity of incoming fresh air. Easy to maintain while providing superior energy savings and performance, LG ERV is an ideal solution for hotels, dormitories, restaurants, hospitals, retail establishments, theaters, schools and office buildings.

Specifications		Unit	053ZE	063ZE	093ZF	123ZF
Performance	Capacity	CFM	470	590	880	1,180
	Power Input (SH1)	Watts	360	470	720	930
Operation Range	°F DB		14-113	14-113	14-113	14-113
Heat Exchanger Data	Air-to-Air Heat Exchanger		Cross-Flow Fixed Core	Cross-Flow Fixed Core	Cross-Flow Fixed Core	Cross-Flow Fixed Core
	Quantity		1	1	1	1
Temperature Exchanger Efficiency	Cooling (Fan Speed SH)	%	62	59	62	59
	Entering Water Temp Range	°F	41-113			53-167
Enthalpy Exchange Efficiency	Cooling (Fan Speed SH)	%	37	34	37	34
	Heating (Fan Speed SH)	%	52	49	52	49
Unit Data	Sound Pressure	dB(A)	40/37/31	41/39/33	44/41/35	45/41/35
	Net Unit Weight	lbs	148	148	331	331
	Shipping Weight	lbs	177	177	397	397
	Dimensions	in	44-7/8 x 41-13/16 x 14-3/8	44-7/8 x 41-13/16 x 14-3/8	44-7/8 x 41-13/16 x 29-1/16	44-7/8 x 41-13/16 x 29-1/16
Electrical Data	Rated Amps	A	2.8	3.44	5.62	6.82
	Power Supply	V / Hz / ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Power Input (Cooling)	Watts	360/270/165	470/385/210	720/540/340	930/770/420
	Power Input (Heating)	Watts	360/270/165	470/385/210	720/540/340	930/770/420
Fan	Type		Cross Flow	Cross Flow	Cross Flow	Cross Flow
	Quantity		2	2	2	2
	Motor/Drive		BLDC	BLDC	BLDC	BLDC
	Airflow Rate (SH/H/L)	CFM	471/471/388	589/589/471	883/883/706	1177/1177/942
Filters	External Static Pressure (SH/H/L)	in wg	0.80/0.44/0.24	0.64/0.36/0.20	0.80/0.44/0.24	0.64/0.36/0.20
	Quantity		2	2	4	4
	Size	in	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"

## Accessories

Description	Model
PI-485	PFNFP14AO

1. SH - Super-high condensate drain not required. ERV temperature and enthalpy exchange efficiencies are in accordance with AHRI 1060 test conditions, 100% airflow, and 0° external static pressure.

Cooling: Outdoor 95°F DB, 78°F WB; Exhaust 75°F DB, 63°F WB

Heating: Outdoor 35°F DB, 33°F WB; Exhaust 70°F DB, 58°F WB

Due to our commitment to continued innovation, some specifications may be changed without notification.

# OAU (OUTSIDE AIR UNIT)



ARNU483BRZ4

ARNU763B8Z4  
ARNU963B8Z4

	Specifications	Unit	ARNU483BRZ4	ARNU763B8Z4	ARNU963B8Z4
Cooling Mode Performance	Capacity	Btu/h	48,100	76,400	95,900
	Power Input <sup>1</sup>	W	169	230	360
Heating Mode Performance	Capacity	Btu/h	46,115	73,080	91,360
	Power Input <sup>1</sup>	W	169	230	360
Entering Air	Cooling Max	°F WB	90	90	90
	Heating Min	°F DB	23	23	23
Unit Data	Refrigerant Type <sup>2</sup>		R410A	R410A	R410A
	Refrigerant Control		EEV	EEV	EEV
	Sound Pressure (H/M/L) <sup>3</sup>	dB(A)	41/40/38	45/43/43	47/45/45
	Dimensions	in	48-7/16 x 15 x 23-1/4	61-1/2 x 18-1/8 x 27-1/8	61-1/2 x 18-1/8 x 27-1/8
	Net Unit Weight	lbs	99	161	161
	Shipping Weight	lbs	119	191	191
	Communication Cable <sup>4</sup>	No. x AWG	2 x 18	2 x 18	2 x 18
	Type		Sirocco	Sirocco	Sirocco
	Motor		1	1	1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
Fan	Airflow Rate (H/M/L)	CFM	664 / 519 / 519	837 / 446 / 446	1,261 / 837 / 837
	External Static Pressure	in wg	0.7	0.87	0.87
Piping (Main Coil)	Liquid Line (OD)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Vapor Line (OD)	in	5/8 Flare	3/4 Brazed	7/8 Brazed
Condensate	Condensate Line (OD)	in	1	1	1
	MCA	A	1.5	2.7	3.7
Electrical Data	MOP	A	15	15	15
	Power Supply	V / Hz / Ø	208-230/60/1	208-230/60/1	208-230/60/1

## Accessories

Description	Model
Dynamic V8 Low-Profile 2VL Air Cleaner	ZFBXD201A
Dynamic V8 Low-Profile 4VL Air Cleaner	ZFBXD402A
4-Pack Air Cleaner Media	ZFLT1301A
24-Pack Air Cleaner Media	ZFLT1302A
Auxiliary Heat Kit	PRARH1
High-Capacity Filter Box for B8 HSD Chassis	ZFBXB801A
High-Capacity Filter Box for BR HSD Chassis	ZFBXBR01A

Note:

- The power input is rated at high speed.
- Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- All communication cables to be minimum 18 AWG, four-conductor, stranded, and shielded, and must comply with applicable local and national codes.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# DOAS (DEDICATED OUTDOOR AIR SYSTEM)



**ARND208DAT2**  
**ARND208DAR2**

Type	Specifications	Unit	With Electric Preheat Coil	Without Electric Preheat Coil
			ARND208DAT2	ARND208DAR2
Cooling Mode Performance	Capacity	Btu/h	143,100	143,100
Heating Mode Performance	Main Coil Capacity	Btu/h	59,900	59,900
	Reheat Coil Capacity	Btu/h	45,900	45,900
Entering Air	Cooling Max	°F DB/WB	122/78	122/78
	Heating Min	°F DB	2.5	41
	Refrigerant Type <sup>1</sup>		R410A	R410A
	Refrigerant Control		EEV	EEV
	Sound Power	dB(A)	84	84
Unit Data	Net Unit Weight	lbs	725	600
	Shipping Weight	lbs	825	700
	Dimensions	in	60-1/4 x 61-5/8 x 26-7/8	60-1/4 x 56-3/4 x 26-7/8
	Communication Cable <sup>2</sup>	No. x AWG	4 x 18	4 x 18
	Type		Backward-Curved Plenum	Backward-Curved Plenum
	Motor		1	1
Fan	Motor/Drive		ECM/Direct	ECM/Direct
	Airflow Rate	CFM	2,000	2,000
	External Static Pressure	in wg	1.65	1.65
	Airflow Range	CFM	400 - 2,000	400 - 2,000
Piping (Main Coil)	Liquid Line (OD)	in	1/2	1/2
	Vapor Line (OD)	in	1-1/8	1-1/8
Piping (Reheat Coil)	Liquid Line (OD)	in	1/2	1/2
	Vapor Line (OD)	in	1-1/8	1-1/8
Condensate	Condensate Line (OD)	in	1 NPT	1 NPT
	MCA	A	96	8
Electrical Data	MOP	A	100	15
	Power Supply	V / Hz / Ø	208-230/60/3	208-230/60/1

1. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.  
2. All communication cables to be minimum 18 AWG, four-conductor, stranded, and shielded, and must comply with applicable local and national codes.

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# AIR HANDLING UNIT (AHU) CONVERSION KIT

Solution to extend LG VRF technology to third-party Air Handling Units.



**Communication Kit**

PAHCMR000 PAHCMS000

## Specifications

Type	Model Name	Combination				Description	Dimensions (in)			
		Outdoor unit	EEV Kit	Expansion Kit	Central controller		W	H	D	Weight
Communication Kit	PAHCMR000	MULTI V, Single Split	●	●	●	Return/room air by remote controller or dry contact control	11-13/16	11-13/16	6-1/8	13.7 lb
	PAHCMS000	MULTI V, Single Split	●	●	●	Discharge air or supply air (capacity) control by DDC	14-3/4	11-13/16	6-1/8	16.4 lb

NOTE: Available functions/features may differ based on the connected system. Due to our commitment to continued innovation, some specifications may be changed without notification.

### Function list for Communication Kit

	List	Description	Specification			
			PAHCMR000		PAHCMS000	
			Min	Type	Min	Max
Controlling	Outdoor Unit Operation	On/Off	By wired controller*	Digital input** (Non-voltage)	-	-
	Mode	Cooling/Heating only		Digital input (Non-voltage)	-	-
	Fan Step	High/mid/low (three steps)	Applied	Digital input (Non-voltage)	Not Applied	
	Room Temperature Control	Cooling 64 ~ 86°F, Heating 60 ~ 86°F	By wired controller*	Analog input	0 V	10 V
	Supply Air Temperature (by outdoor capacity control)	Compressor Off, Compressor Off & Fan Off, 40 ~ 100% capacity control	-	Analog input	0 V	10 V
Monitoring	Outdoor Unit Operation	On/Off	-	Digital input** (Non-voltage)	Max: AC 250 V, DC 30 V, 1A	
	AHU Communication Kit Operation	On/Off	-	Digital input (Non-voltage)	Max: AC 250 V, DC 30 V, 1A	
	Outdoor Mode	Fan/defrost/cooling/heating	-	Digital input (Non-voltage)	Max: AC 250 V, DC 30 V, 1A	
	Fan Mode	High/mid/low (three steps)		Digital input (Non-voltage)	Max: AC 250 V, DC 30 V, 1A	
	Error Status	No error/error occurred		Digital input (Non-voltage)	Max: AC 250 V, DC 30 V, 1A	

\* Optional accessory, recommended model: PREMTB10U

\*\* Binary input and output (Open and short), DO is normal open

**EEV Kit**

PRLK048A0  
PRLK096A0  
PRLK396A0  
PRLK594A0

## Specifications

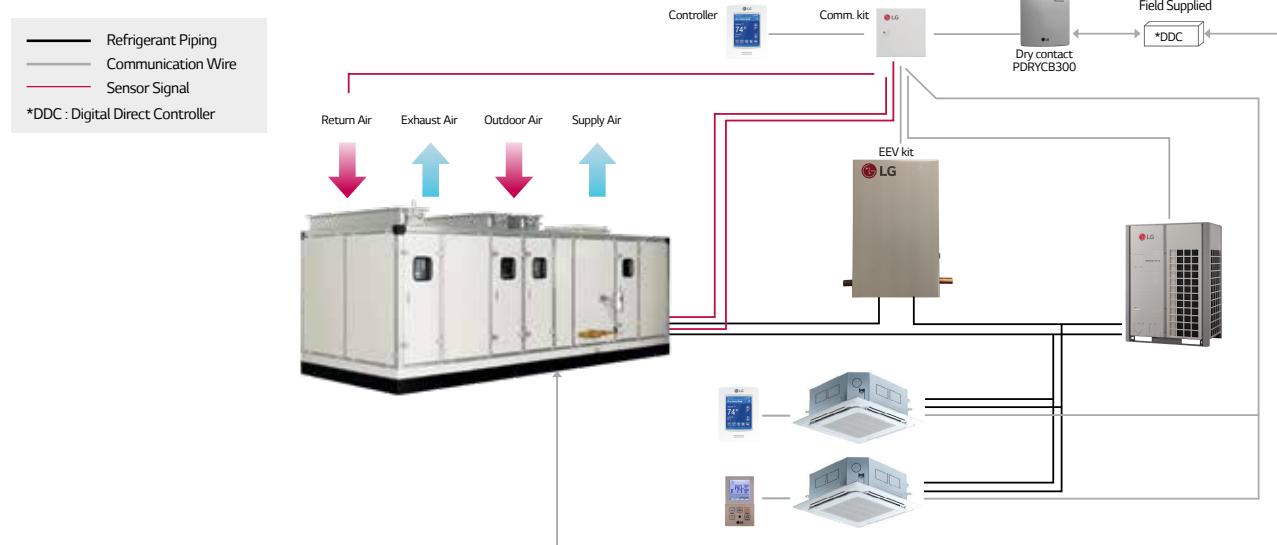
Type	Model Name	Capacity Range	Dimensions (in)		
			W	H	D
EEV Kit	PRLK048A0	8 tons maximum	8-5/8	15-15/16	3-5/16
	PRLK096A0	16 tons maximum	8-5/8	15-15/16	3-5/16
	PRLK396A0	32 tons maximum	8-1/2	13-1/2	7-1/8
	PRLK594A0*	48 tons maximum	11	13-1/2	7-1/8

Can be used in combination with or without indoor units. Several EEV kits can be connected to a single outdoor unit.

\* In order for the PRLK594A0 to work with the PAHCMS000 the EV Control Module is required - PAEEVA020. This module will come in the box with the PRLK594A0.

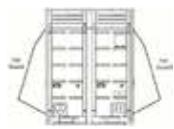
## System Architecture

### • MULTI V™ Application (in Combination with third-party AHU)



# ACCESSORIES

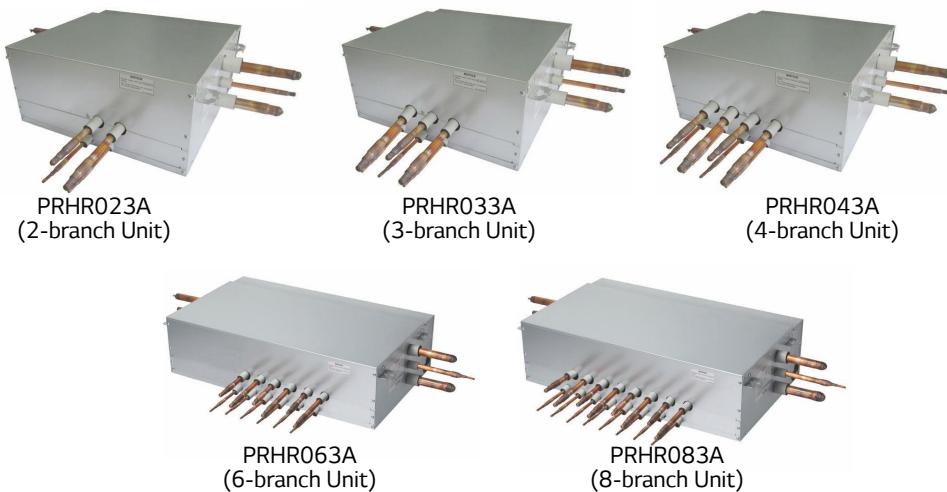
## Outdoor Accessories

Air Guide	Air Guide	Hail Guard	Low Ambient Baffle Kit	Wind Baffle	Low Ambient Kit	Cool/Heat Selector	Variable Water Flow Control Kit
							
ZAGDKA51A	ZAGDKA52A	ZHGDKA51A ZHGDKA52A	ZLABKA51A ZLABKA52A	ZLABGP04A <i>(for use with Multi V S)</i>	PRVC2 PRDSBM	PRDSBM	PWFCKN000 PRVC1

Type	Model	Description	Used with
Air Guide	ZAGDKA51A	Air Guide	Multi V 5 (6 Ton Chassis - 208/230V & 460V) Multi V 5 (8 to 20 Ton Chassis - 208/230V & 460V) Multi V 5 (6 to 20 Ton Chassis - 575V)
	ZAGDKA52A	Air Guide	
Hail Guard	ZHGDKA51A	Hail Guards Kit	Multi V 5 (6 Ton Chassis - 208/230V & 460V) Multi V 5 (8 to 20 Ton Chassis - 208/230V & 460V) Multi V 5 (6 to 20 Ton Chassis - 575V)
	ZHGDKA52A	Hail Guards Kit	
Low Ambient Baffle Kit	ZLABKA51A	Low Ambient Baffle Kit (requires PRVC2)	Multi V 5 (6 Ton Chassis - 208/230V & 460V) Multi V 5 (8 to 20 Ton Chassis - 208/230V & 460V) Multi V 5 (6 to 20 Ton Chassis - 575V)
	ZLABKA52A	Low Ambient Baffle Kit (requires PRVC2)	
Wind Baffle	ZLABGP04A	Low Ambient Baffle Kit (two required per unit)	Multi V S
Variable Water Flow Control Kit	PWFCKN000	Variable Water Flow Control Kit for Multi V Water IV	Multi V Water IV
	PRVC1	Variable Water Flow Control Kit for Multi V Water Mini	Multi V Water Mini
Low Ambient Control Kit	PRVC2	Low Ambient Control Kit (supports cooling down to -9°F)	Multi V 5
Cool/Heat Selector	PRDSBM	Cool/Heat Mode selector for Multi V systems	Multi V 5, Multi V S, Multi V Water IV, Multi V Water Mini

# HEAT RECOVERY UNIT

PRHR023A  
PRHR033A  
PRHR043A  
PRHR063A  
PRHR083A



## Features

- Max. 64 indoor units can be connected (Max. eight indoor units per branch)
- Easy installation with auto pipe detect
- Delivers maximum efficiency using the subcooling cycle within the HR Unit

## Models Applied

- MULTI V™ 5 Heat Recovery
- MULTI V™ WATER IV Heat Recovery
- Multi V™ S Heat Recovery

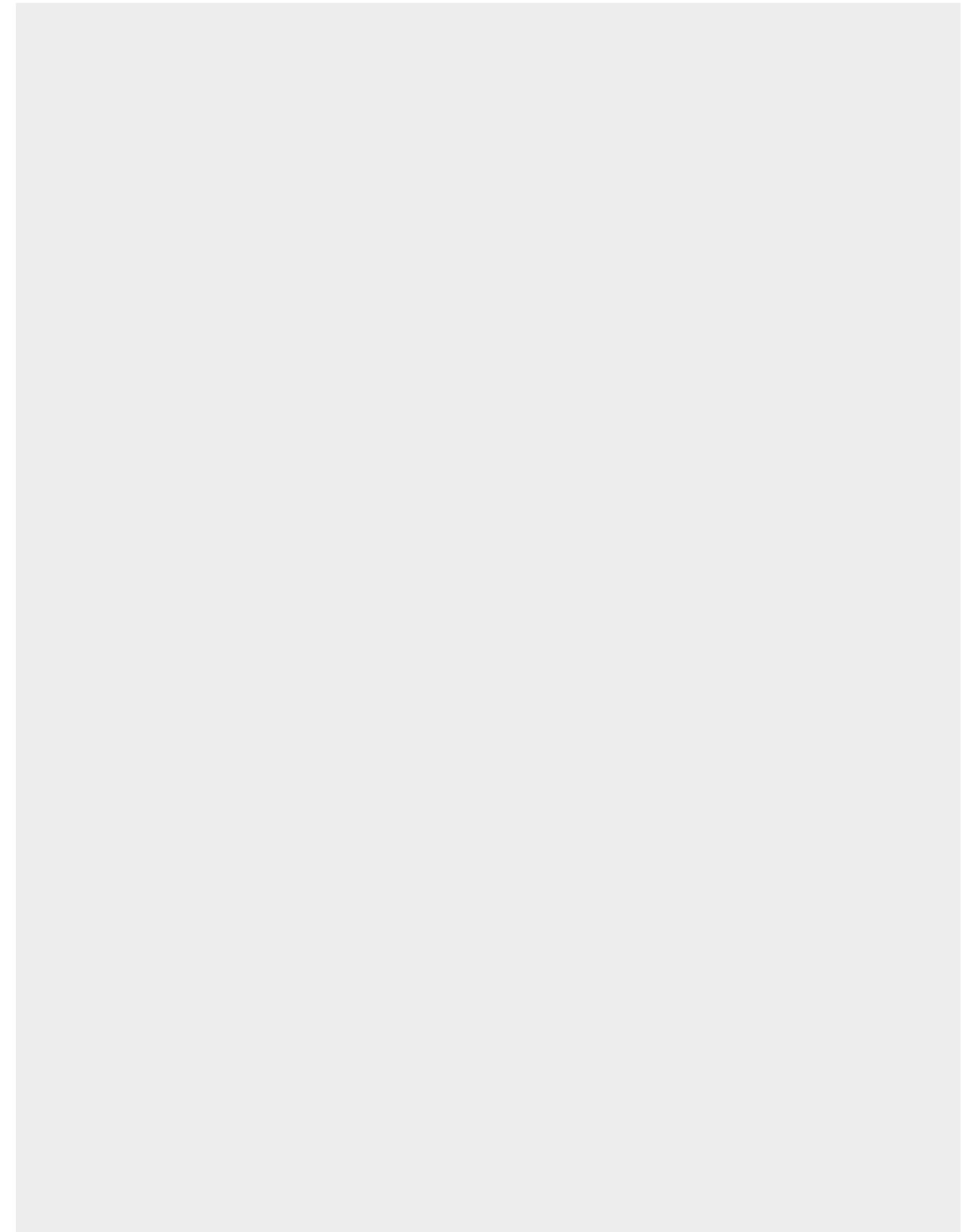
## Specifications

Specification	Unit	PRHR023A	PRHR033A	PRHR043A	PRHR063A	PRHR083A
Number of Indoor Unit Ports <sup>2</sup>		2	3	4	6	8
Power Input (Cooling / Heating)	Watts	39.8 / 37.2	39.8 / 37.2	39.8 / 37.2	75.9 / 72.1	75.9 / 72.1
Max Port Capacity	Each Port	Btu/h	60,000	60,000	60,000	60,000
	Sum of Ports	Btu/h	120,000	180,000	230,000	230,000
Electrical	Power Supply	V/Hz/Ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Rated Amps	A	0.06	0.06	0.06	0.09
Piping	Port Liquid Line	in	3/8	3/8	3/8	3/8
	Port Vapor Line	in	5/8	5/8	5/8	5/8
	System Liquid Line	in	3/8	1/2	5/8	5/8
	System Vapor Line High	in	3/4	7/8	7/8	7/8
	System Vapor Line Low	in	7/8	1 1/8	1 1/8	1 1/8
Sound Pressure Data	Cooling Mode	dB(A)	31	31	31	31
Weight	Heating Mode	dB(A)	31	31	31	31
	Simultaneous	dB(A)	38	38	38	38
Dimensions	Net Unit Weight	lbs	33	37	40	60
	Shipping Weight	lbs	46	50	53	68
	Dimensions	W x D x H	in	30-15/16 x 25-7/8 x 8-9/16	30-15/16 x 25-7/8 x 8-9/16	30-15/16 x 25-7/8 x 8-9/16
				43-13/16 x 25-7/8 x 8-9/16	43-13/16 x 25-7/8 x 8-9/16	43-13/16 x 25-7/8 x 8-9/16

1. All refrigerant pipes require insulation.
2. Each port can allow up to eight indoor units with a maximum capacity of 60k Btu/h per port.
3. All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national code.
4. Kit components must be kept dry and free of debris before installation.
5. Must follow installation instructions in the applicable LG installation manual.
6. Power wiring cable size must comply with the applicable local and national code.
7. This unit comes with a dry nitrogen charge.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

# NOTES

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# UNIT NOMENCLATURE

## Outdoor Units and Heat Recovery Units

### Outdoor Units (ODU)



**Family** **ARU** Multi V™ Outdoor Unit (Refrigerant R410A)

**Type** **M** Combination (Heat Pump or Heat Recovery)

<b>Capacity</b> (cooling capacity in Mbh)	<b>072</b>	72	<b>241</b>	240	<b>408</b>	408
	<b>096</b>	96	<b>264</b>	264	<b>432</b>	432
	<b>121</b>	121	<b>288</b>	288	<b>456</b>	456
	<b>144</b>	144	<b>312</b>	312	<b>480</b>	480
	<b>168</b>	168	<b>336</b>	336	<b>504</b>	504
	<b>192</b>	192	<b>360</b>	360		
	<b>216</b>	216	<b>384</b>	384		

<b>Electrical Ratings</b>	<b>C</b>	575V/60Hz/3Ph
	<b>B</b>	208–230V/60Hz/3Ph
	<b>D</b>	460V/60Hz/3Ph

**Airflow Configuration** **T** Top Discharge

**Efficiency** **E** High Efficiency

**Generation** **5** Fifth

### Heat Recovery Units (HRU)



**Family** **PRHR** Multi V™ Heat Recovery (HR) unit (Refrigerant R410A)

<b>Number of Ports</b>	<b>02</b>	Two Ports	<b>06</b>	Six Ports
	<b>03</b>	Three Ports	<b>08</b>	Eight Ports
	<b>04</b>	Four Ports		

**Series Number** **3A** Series Number



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