

Job Name/Location:

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PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARUB312BT3
Multi V™ III Heat Recovery
26.0 Ton Outdoor Unit

(a) ARUB144BT3
 (b) ARUB096BT3
 (c) ARUB072BT3

**Performance:****Cooling Mode:**

Nominal Capacity (Btu/h)	312,000
Power Input ¹ (kW)	21.93

Heating Mode:

Nominal Capacity (Btu/h)	351,000
Power Input ¹ (kW)	22.48

Nominal Capacity is outside the scope of AHRI Standard 1230 and based on the following conditions:

Indoor: 80°F DB / 67°F WB

Indoor: 70°F DB

Outdoor: 95°F DB

Outdoor: 47°F DB / 43°F WB

Electrical:

(a) ARUB144BT3 (b) ARUB096BT3 (c) ARUB072BT3

Power Supply (V/Hz/Ø)	208-230/60/3	208-230/60/3	208-230/60/3
MOP (A)	70	60	35
MCA (A)	49.9	42.6	23.3
Rated Amps (A)	44.8	37.5	19.4
Compressor A (A)	18.3	11.0	15.4
Compressor B (A)	20.5	20.5	-
Fan (A)	6.0	6.0	4.0
Combined Max Starting Current (A)	191.1		

Piping:

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Refrigerant Charge (lbs)	20.7	20.7	12.1
Liquid Line ² (in, OD)	1/2	3/8	3/8
Vapor Line High ² (in, OD)	7/8	3/4	5/8
Vapor Line Low ² (in, OD)	1-1/8	7/8	3/4

Standard Features:

- Night Quiet Operation
- Fault Detection and Diagnosis

Required Accessories:

- ☐ Frame Connector Y-branch - ARCNN21
- ☐ Frame Connector Y-branch -ARCNN31

Optional Accessories:

- Hail Guard Kit (6 ton outdoor units) -ZHGDKA01A
- Hail Guard Kit (8-12 ton outdoor units) -ZHGDKA02A (2 required)
- Air Guide (6 ton outdoor units) - PRAGX2S0
- Air Guide (8-12 ton outdoor units) - PRAGX3S0 (4 required)

Operating Range:

Cooling (°F DB)	23 - 122
Heating (°F WB)	-4 - 60
Synchronous	
Cooling Based (°F DB)	14-81
Heating Based (°F WB)	14-60

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Max Number of Indoor Units ³	52
Sound Pressure ⁴ dB(A)	62
Net Unit Weight (a) + (b) + (c) (lbs)	617 + 617 + 418
Shipping Weight (a) + (b) + (c) (lbs)	650 + 650 + 441
Communication Cable ⁵ (No x AWG)	2 x 18
Heat Exchanger Coating	GoldFin™

Compressor:

Inverter Scroll Quantity	3
Constant Scroll Quantity	2
Oil/Type	PVE/FVC68D

Fan:

Type	Propeller
Quantity (a) + (b) + (c)	2 + 2 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow Rate (a) + (b) + (c) (CFM)	22,500

Notes:

- For AHRI ratings, refer to the AHRI website <http://www.ahridirectory.org/>.
- For main pipe segment size, refer to the LATS Multi V tree diagram.
- The combination ratio must be between 50-130%.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996 for the combination of outdoor units.
- All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code. Cables terminate at each frame.
- Nominal data is rated 0 ft above sea level, with 25 ft of refrigerant line per indoor unit and a 0 ft level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95-105%.
- The voltage tolerance is ± 10%.
- Power wiring cable size must comply with the applicable local and national code. Cables terminate at each frame.
- AHRI 1230 Certification Program includes models up to 300MBh. Refer to AHRI certification directory for corresponding single frame units.



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