

Date: \_\_\_\_\_

PO No.: \_\_\_\_\_

Architect: \_\_\_\_\_

Engr: \_\_\_\_\_

Rep: \_\_\_\_\_  
(Company) \_\_\_\_\_ (Project Manager)

For:  File  Resubmit  
 Approval  Other \_\_\_\_\_

GC: \_\_\_\_\_

Mech: \_\_\_\_\_



**ARUB144BT3**  
Multi V™ III Heat Recovery  
12.0 Ton Outdoor Unit



**Performance:**

**Cooling Mode:**

Nominal Capacity (Btu/h)	144,000
Power Input <sup>1</sup> (kW)	10.24

**Heating Mode:**

Nominal Capacity (Btu/h)	162,000
Power Input <sup>1</sup> (kW)	10.44

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:**

Power Supply (V/Hz/Ø)	208-230/60/3
MOP (A)	70
MCA (A)	49.9
Rated Amps (A)	44.8
Compressor A (A)	18.3
Compressor B (A)	20.5
Fan (A)	6.0
Max Starting Current (A)	150.2

**Piping:**

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

**Standard Features:**

- Night Quiet Operation
- Fault Detection and Diagnosis

**Optional Accessories:**

- Low Ambient Kit - ZLABKA02A
- Hail Guard Kit - ZHGDKA02A
- Air Guide - PRAGX3S0 (2 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 <sup>2</sup>	23
Sound Pressure <sup>3</sup> dB(A)	58
Net Unit Weight (lbs)	617
Shipping Weight (lbs)	650
Communication Cable <sup>4</sup> (No. x AWG)	2 x 18
Heat Exchanger Coating	GoldFin™

**Compressor:**

Inverter Scroll Quantity	1
Constant Scroll Quantity	1
Oil/Type	PVE/FVC68D

**Fan:**

Type	Propeller
Fan Quantity	2
Motor/Drive	Brushless Digitally Controlled/Direct
Fan Air Flow Rate (CFM)	8,800

**Notes:**

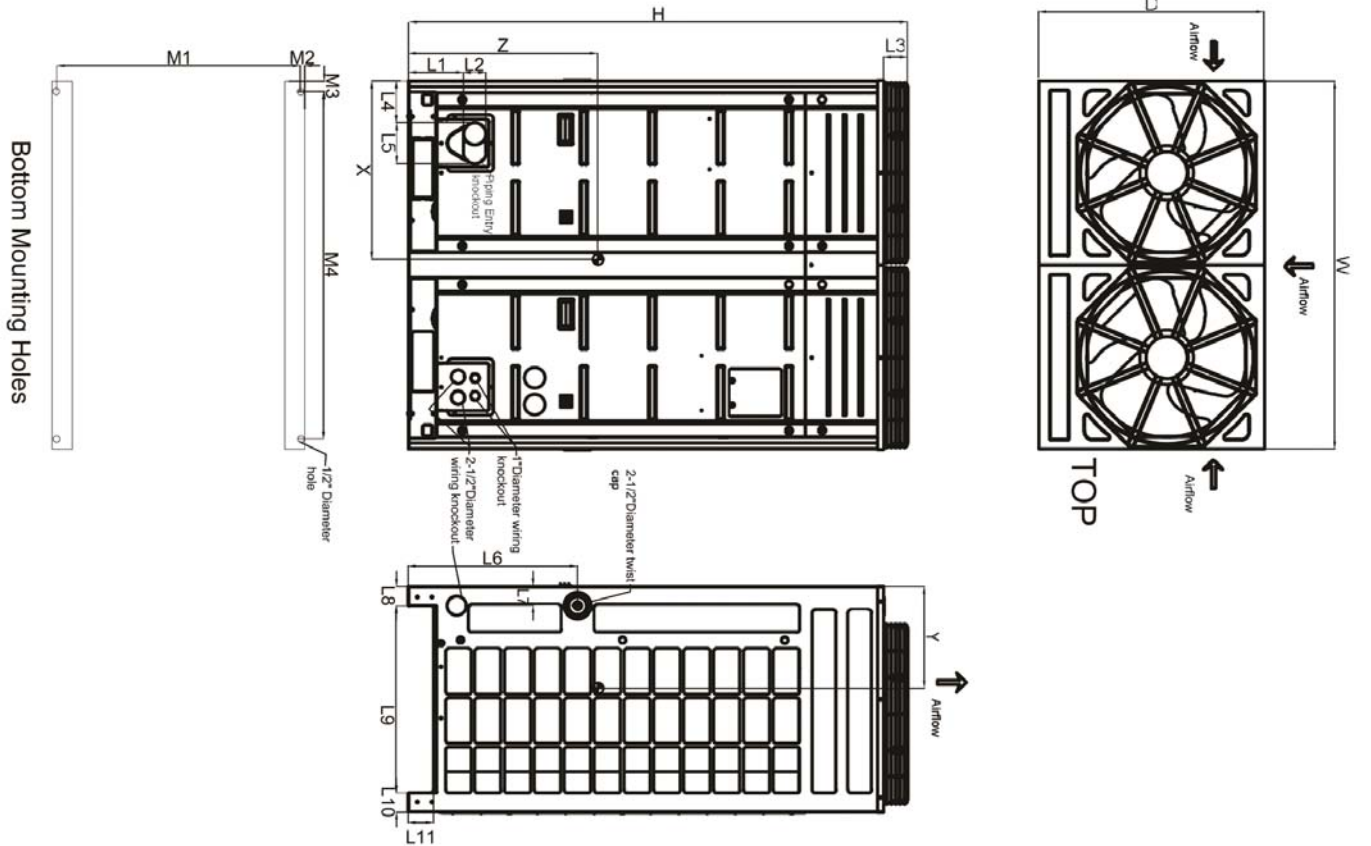
1. For AHRI ratings, refer to the AHRI website <http://www.ahridirectory.org>.
2. The combination ratio must be between 50 – 130%.
3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
4. All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code.
5. 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%.
6. The voltage tolerance is ± 10%.
7. Power wiring cable size must comply with the applicable local and national code.



**ARUB144BT3**  
 Multi V™ III Heat Recovery  
 12.0 Ton Outdoor Unit



Tag #: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 PO No.: \_\_\_\_\_



W	48-13/16"
D	29-15/16"
H	66-1/8"
L1	7-1/4"
L2	2-15/16"
L3	3-1/8"
L4	5-1/2"
L5	5-3/8"
L6	22-7/16"
L7	2-9/16"
L8	2-9/16"
L9	24-3/16"
L10	2-9/16"
L11	3-5/16"
M1	29-1/16"
M2	7/16"
M3	2-5/8"
M4	43-3/8"

**Center of Gravity**

X	23-1/8"
Y	14-15/16"
Z	25-13/16"

Note - All dimensions have a tolerance of ± 0.25 in.

