

Date: _____ For: File Resubmit
 PO No.: _____ Approval Other _____
 Architect: _____ GC: _____
 Engr: _____ Mech: _____
 Rep: _____
 (Company) _____ (Project Manager) _____



ARUN144DT3
 Multi V™ III Heat Pump
 12.0 Ton Outdoor Unit



Performance:

Cooling Mode:

Nominal Capacity (Btu/h)	144,000
Power Input ¹ (kW)	13.42

Heating Mode:

Nominal Capacity (Btu/h)	162,000
Power Input ¹ (kW)	13.85

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)	460/60/3
MOP (A)	40
MCA (A)	27.6
Rated Amps (A)	24.5
Compressor A (A)	12.4
Compressor B (A)	9.5
Fan (A)	2.6
Max Starting Current (A)	58.5

Piping:

Refrigerant Charge (lbs)	20.7
Liquid Line (in, OD)	1/2
Vapor Line (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

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Max Number of Indoor Units ²	23
Sound Pressure ³ dB(A)	58
Net Unit Weight (lbs)	594
Shipping Weight (lbs)	628
Communication Cable ⁴ (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:

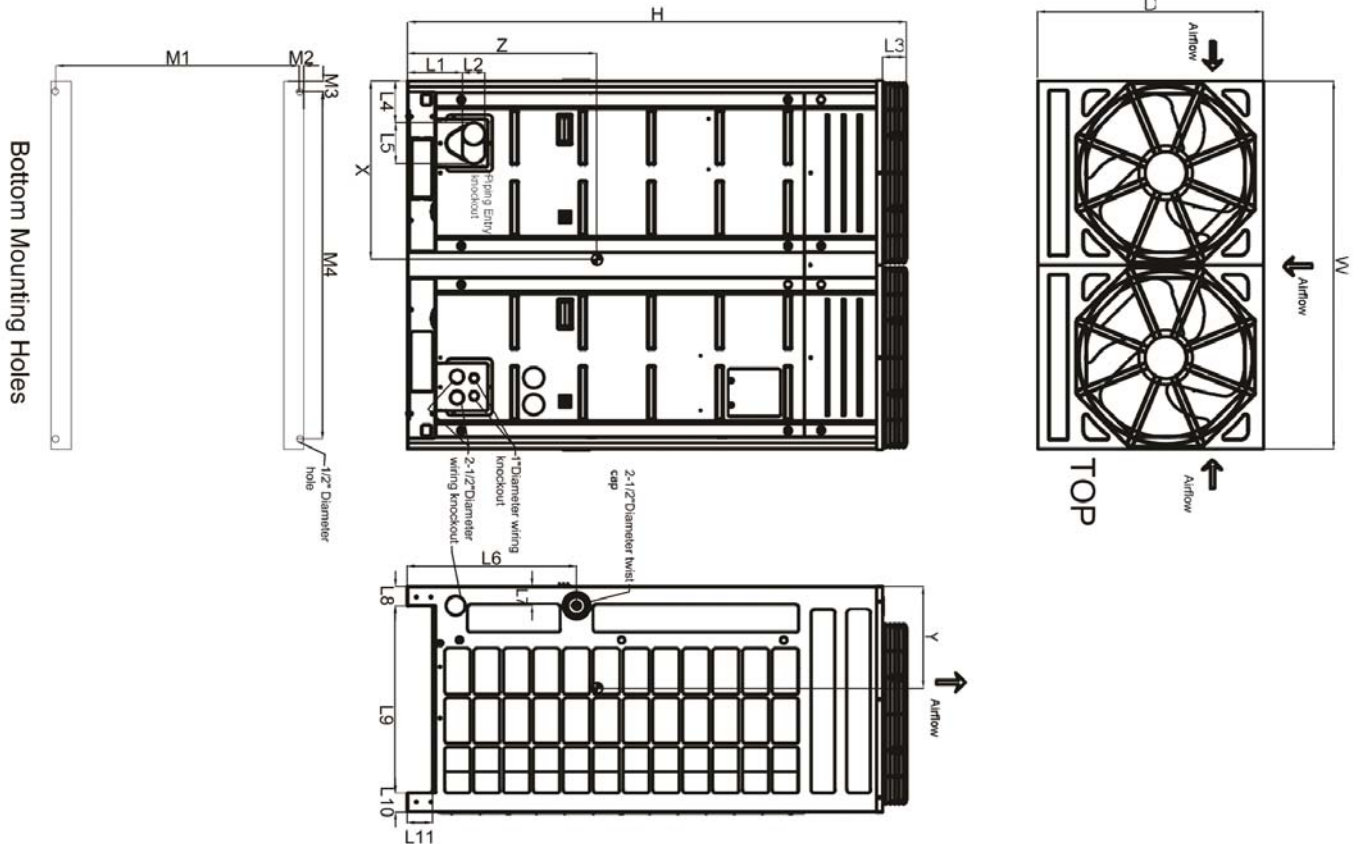
- 1.For AHRI ratings, refer to the AHRI website <http://www.ahridirectory.org/>.
- 2.The combination ratio must be between 50 – 130%.
- 3.Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
- 4.All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded 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.



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Bottom Mounting Holes

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.

= Center of Gravity