

Job Name/Location:

Tag #:

Date:

For: File Resubmit

PO No.:

Approval Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARUN408DT3
Multi V™ III Heat Pump
34.0 Ton Outdoor Unit

(a) ARUN144DT3
(b) ARUN144DT3
(c) ARUN121DT3



Performance:

Cooling Mode:

Nominal Capacity (Btu/h)	408,000
Power Input ¹ (kW)	28.96

Heating Mode:

Nominal Capacity (Btu/h)	459,000
Power Input ¹ (kW)	29.55

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) ARUN144DT3 (b) ARUN144DT3 (c) ARUN121DT3

Power Supply (V/Hz/Ø)	460/60/3	460/60/3	460/60/3
MOP (A)	40	40	35
MCA (A)	27.6	27.6	25.2
Rated Amps (A)	24.5	24.5	22.6
Compressor A (A)	12.4	12.4	10.5
Compressor B (A)	9.5	9.5	9.5
Fan (A)	2.6	2.6	2.6
Combined Max Starting Current (A)	86.5		

Piping: (a) ARUN144DT3 (b) ARUN144DT3 (c) ARUN121DT3

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

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 (8-12 ton outdoor units) -ZHGDKA02A (3 required)
- Air Guide (8-12 ton outdoor units) - PRAGX3S0 (6 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 ³	64
Sound Pressure ⁴ dB(A)	63
Net Unit Weight (a) + (b) + (c) (lbs)	594 + 594 + 594
Shipping Weight (a) + (b) + (c) (lbs)	628 + 628 + 628
Communication Cable ⁵ (No x AWG)	2 x 18
Heat Exchanger Coating	GoldFin™

Compressor:

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

Fan:

Type	Propeller
Quantity (a) + (b) + (c)	2 + 2 + 2
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow Rate (a) + (b) + (c) (CFM)	26,100

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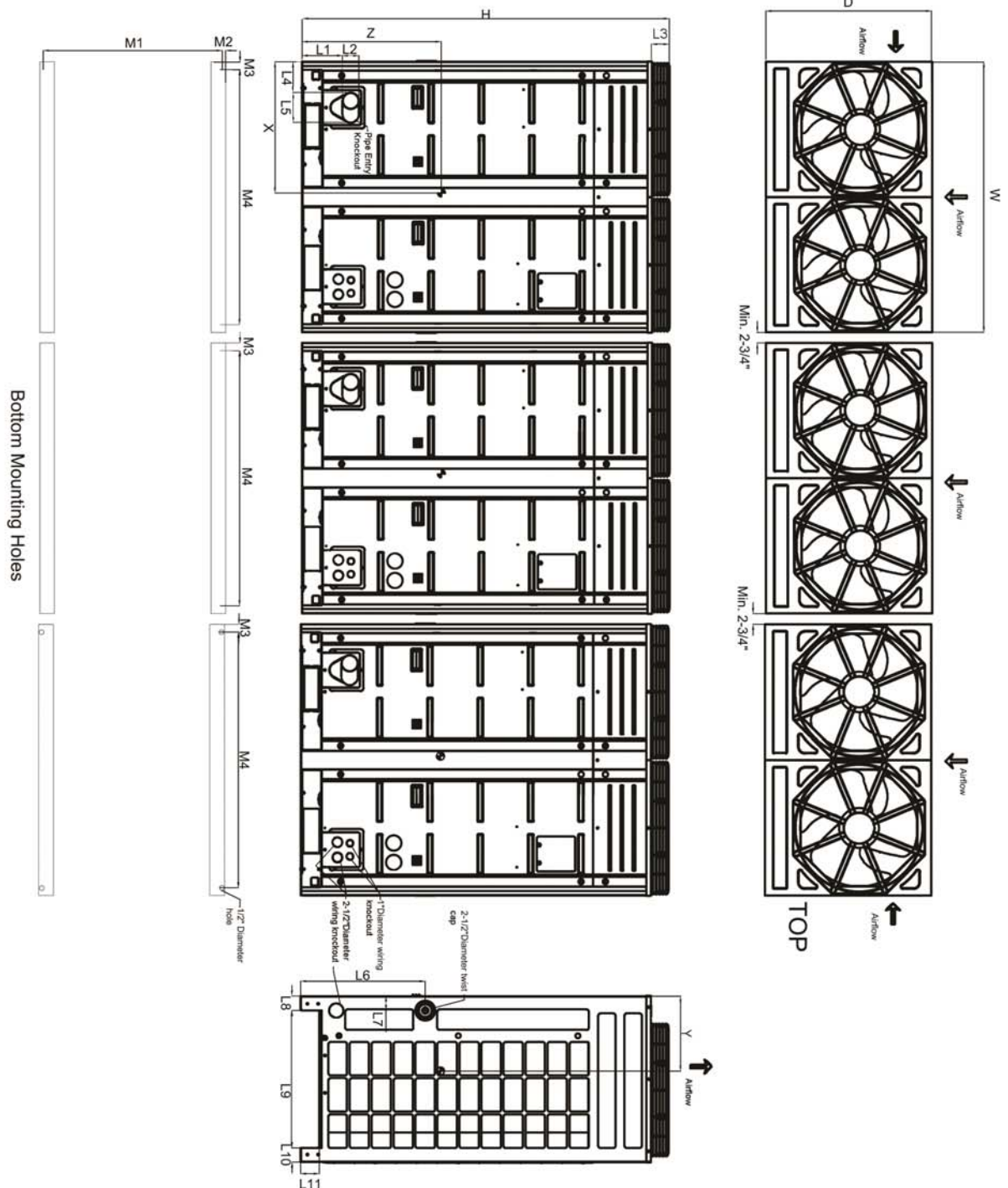
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W	48-13/16"
D	29-15/16"
H	66-1/8"
L1	7-1/4"
L2	2-15/16"
L3	3-1/8"
L4	5-1/2"
L5	5-3/8"
L6	22-7/16"
L7	2-9/16"
L8	2-9/16"
L9	24-3/16"
L10	2-9/16"
L11	3-5/16"
M1	29-1/16"
M2	7/16"
M3	2-5/8"
M4	43-3/8"

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