

Job Name/Location:

Tag #:

Date:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:

(Company) (Project Manager)

**ARUN408BT3** (a) ARUN144BT3  
**Multi V™ III Heat Pump** (b) ARUN144BT3  
**34.0 Ton Outdoor Unit** (c) ARUN121BT3



**Performance:**

**Cooling Mode:**

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

**Heating Mode:**

Nominal Capacity (Btu/h)	459,000
Power Input <sup>1</sup> (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) ARUN144BT3 (b) ARUN144BT3 (c) ARUN121BT3

	(a) ARUN144BT3	(b) ARUN144BT3	(c) ARUN121BT3
Power Supply (V/Hz/Ø)	208-230/60/3	208-230/60/3	208-230/60/3
MOP (A)	70	70	60
MCA (A)	49.9	49.9	44.1
Rated Amps (A)	44.8	44.8	39.0
Compressor A (A)	18.3	18.3	12.5
Compressor B (A)	20.5	20.5	20.5
Fan (A)	6.0	6.0	6.0
Combined Max Starting Current (A)	211.6		

**Piping:** (a) ARUN144BT3 (b) ARUN144BT3 (c) ARUN121BT3

	(a) ARUN144BT3	(b) ARUN144BT3	(c) ARUN121BT3
Refrigerant Charge (lbs)	20.7	20.7	20.7
Liquid Line <sup>2</sup> (in, OD)	1/2	1/2	1/2
Vapor Line <sup>2</sup> (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 <sup>3</sup>	64
Sound Pressure <sup>4</sup> dB(A)	63
Net Unit Weight (a) + (b) + (c) (lbs)	617 + 617 + 617
Shipping Weight (a) + (b) + (c) (lbs)	650 + 650 + 650
Communication Cable <sup>5</sup> (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.



**ARUN408BT3**  
 Multi V™ III Heat Pump  
 34.0 Ton Outdoor Unit

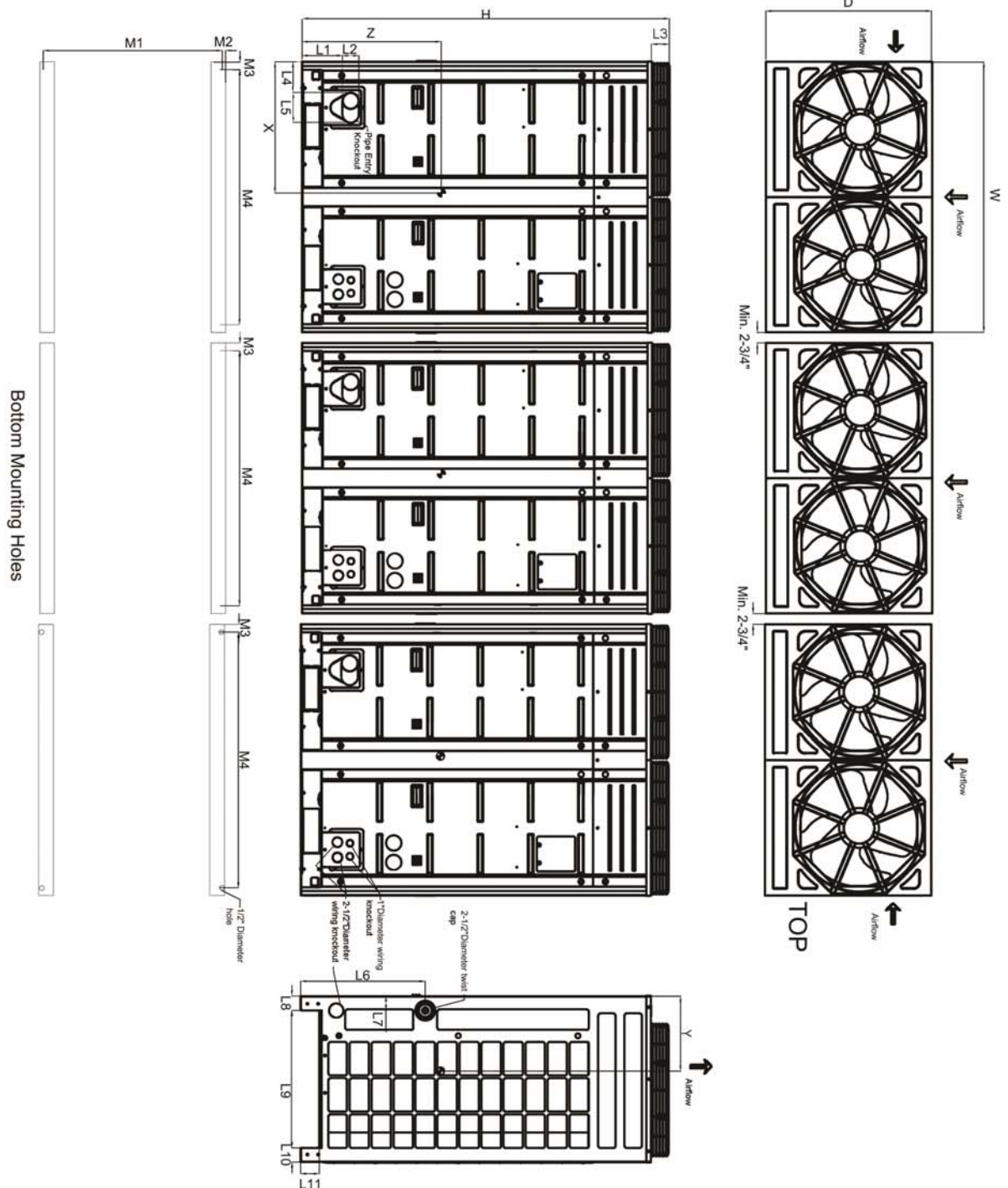
- (a) ARUN144BT3
- (b) ARUN144BT3
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Tag #:

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.  
 = Center of Gravity