

Job Name/Location:

Tag #:

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARUN288CTE4 (a) ARUN144CTE4
Multi V™ IV Heat Pump 575V (b) ARUN144CTE4
24.0 Ton Outdoor Unit



Performance:

Cooling Mode:

Nominal Capacity (Btu/h)	287,700
Power Input ¹ (kW)	19.28

Heating Mode:

Nominal Capacity (Btu/h)	324,000
Power Input ¹ (kW)	21.70

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) ARUN144CTE4 (b) ARUN144CTE4

Power Supply (V/Hz/Ø)	575/60/3	575/60/3
MOP (A)	30	30
MCA (A)	24.0	24.0
Rated Amps (A)	21.6	21.6
Compressor A (A)	9.5	9.5
Compressor B (A)	9.5	9.5
Fan (A)	2.6	2.6

Piping:

(a) ARUN144CTE4 (b) ARUN144CTE4

Refrigerant Charge (lbs)	23.6	23.6
Liquid Line ² (in, OD)	1/2	1/2
Vapor Line ² (in, OD)	1-1/8	1-1/8

Standard Features:

- HiPOR (high pressure oil return)
- Smart Oil Control
- Split Frame Defrost
- Night Quiet Operation
- Fault Detection and Diagnosis

Required Accessories:

- ARCNN21 (frame connector Y-branch)

Optional Accessories:

Air Guide (8-12 ton outdoor units) - PRAGX3S0 (4 required)

Operating Range:

Cooling (°F DB)	14-122
Heating (°F WB)	-13 - 61

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Max Number of Indoor Units ³	45
Sound Pressure ⁴ dB(A)	62.5
Net Unit Weight (a) + (b) (lbs)	628 + 628
Shipping Weight (a) + (b) (lbs)	661 + 661
Communication Cable ⁵ (No. x AWG)	2 x 18
Heat Exchanger Coating	GoldFin™

Compressor:

Type	HSS DC Scroll
Quantity	4
Oil / Type	PVE/FVC68D

Fan:

Type	Propeller
Quantity (a) + (b)	4
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow Rate (a) + (b) (CFM)	20,400

Notes:

- 1.For AHRI ratings, refer to the AHRI website <http://www.ahridirectory.org>.
- 2.For main pipe segment size, refer to the LATS Multi V tree diagram.
- 3.The combination ratio must be between 50-130%.
- 4.Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745 for the combination of outdoor units.
- 5.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.
- 6.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%.
- 7.The voltage tolerance is ± 10%.
- 8.Power wiring cable size must comply with the applicable local and national code. Cables terminate at each frame.



ARUN288CTE4

(a) ARUN144CTE4

Multi V™ IV Heat Pump 575V
24.0 Ton Outdoor Unit

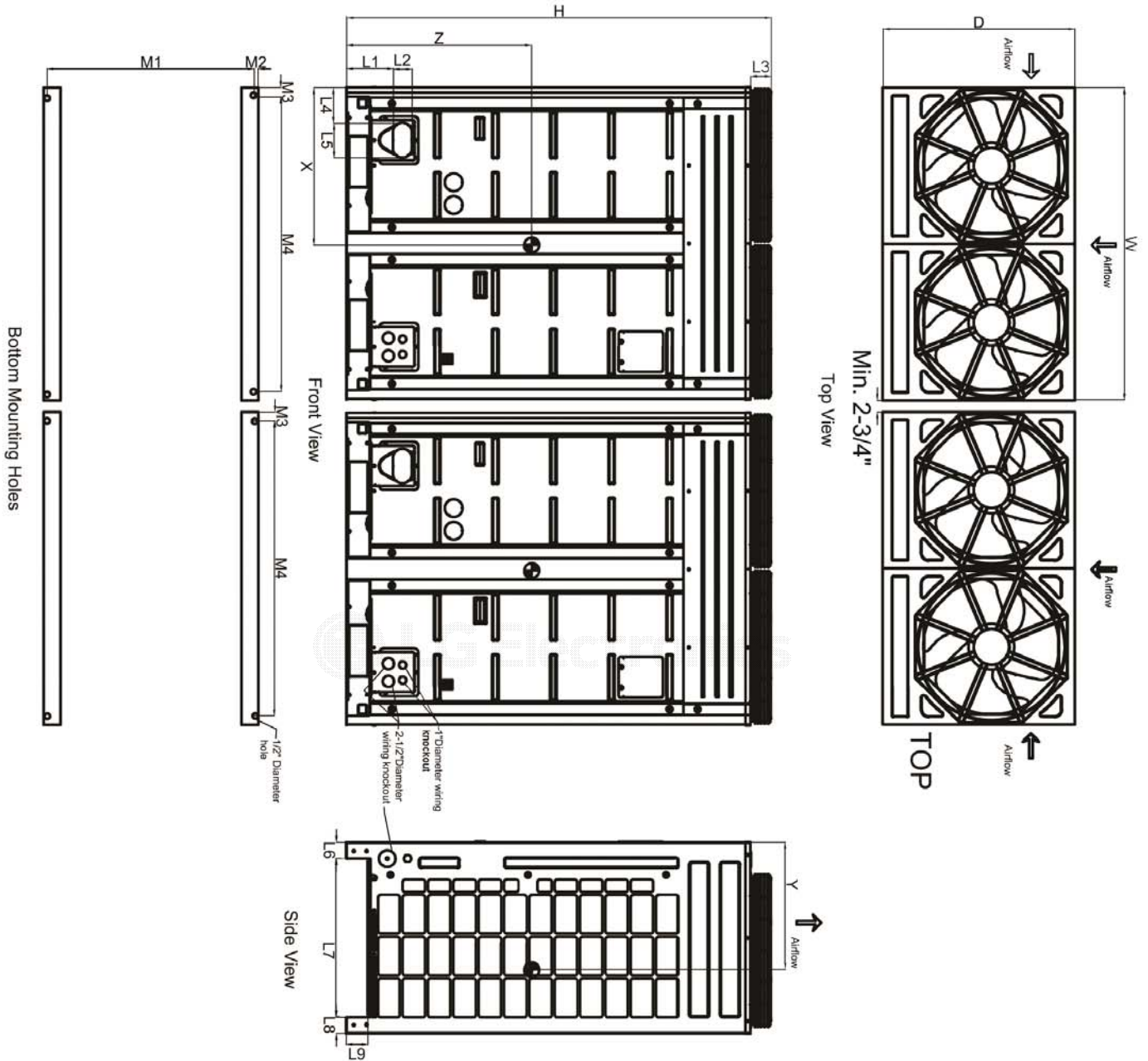
(b) ARUN144CTE4



Tag #:

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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	2-9/16"
L7	24-3/16"
L8	2-9/16"
L9	3-5/16"
M1	29-1/16"
M2	7/16"
M3	2-5/8"
M4	43-3/8"

Center of Gravity

X	24-3/4"
Y	21-9/16"
Z	29-7/8"

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