

Date: _____

For: File Resubmit

PO No.: _____

 Approval Other _____

Architect: _____

GC: _____

Engr: _____

Mech: _____

Rep: _____

(Company)

(Project Manager)

ARUB144DTE4

Multi V™ IV Heat Recovery

12.0 Ton Outdoor Unit

**Performance:****Cooling Mode:**

Nominal Capacity (Btu/h)	144,000
Power Input ¹ (kW)	9.64

Heating Mode:

Nominal Capacity (Btu/h)	162,000
Power Input ¹ (kW)	10.85

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)	31.6
Rated Amps (A)	28.4
Compressor A (A)	12.9
Compressor B (A)	12.9
Fan (A)	2.6

Piping:

Refrigerant Charge (lbs)	23.6
Liquid Line (in, OD)	1/2
Vapor Line High (in, OD)	7/8
Vapor Line Low (in, OD)	1-1/8

Standard Features:

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

Optional Accessories:

- Air Guide (8-12 ton outdoor units) - PRAGX350 (2 required)
- Hail Guard Kit - ZHGDKA04A
- Low Ambient Baffle Kit - ZLABKA03A, Control Kit - PRVC2 (1 per system)

**(-9.9°F achieved only when all IDU's are operating in cooling mode.

Does not impact synchronous operating range.)

Operating Range:

Cooling (°F DB)**	14-122
Heating (°F WB)	-13 - 61
Synchronous	
Cooling Based (°F DB)	14 – 81
Heating Based (°F WB)	14 – 61

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Max Number of Indoor Units ²	23
Sound Pressure ³ dB(A)	59.5
Net Unit Weight (lbs)	628
Shipping Weight (lbs)	661
Communication Cable ⁴ (No. x AWG)	2 x 18
Heat Exchanger Coating	GoldFin™

Compressor:

Compressor Type	HSS DC Scroll
Compressor Quantity	2
Oil/Type	PVE/FVC68D

Fan:

Type	Propeller
Quantity	2
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow Rate (CFM)	10,200

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 3745.
- 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.Power wiring cable size must comply with the applicable local and national code.
- 7.The voltage tolerance is 414-528V.



Job Name/Location:

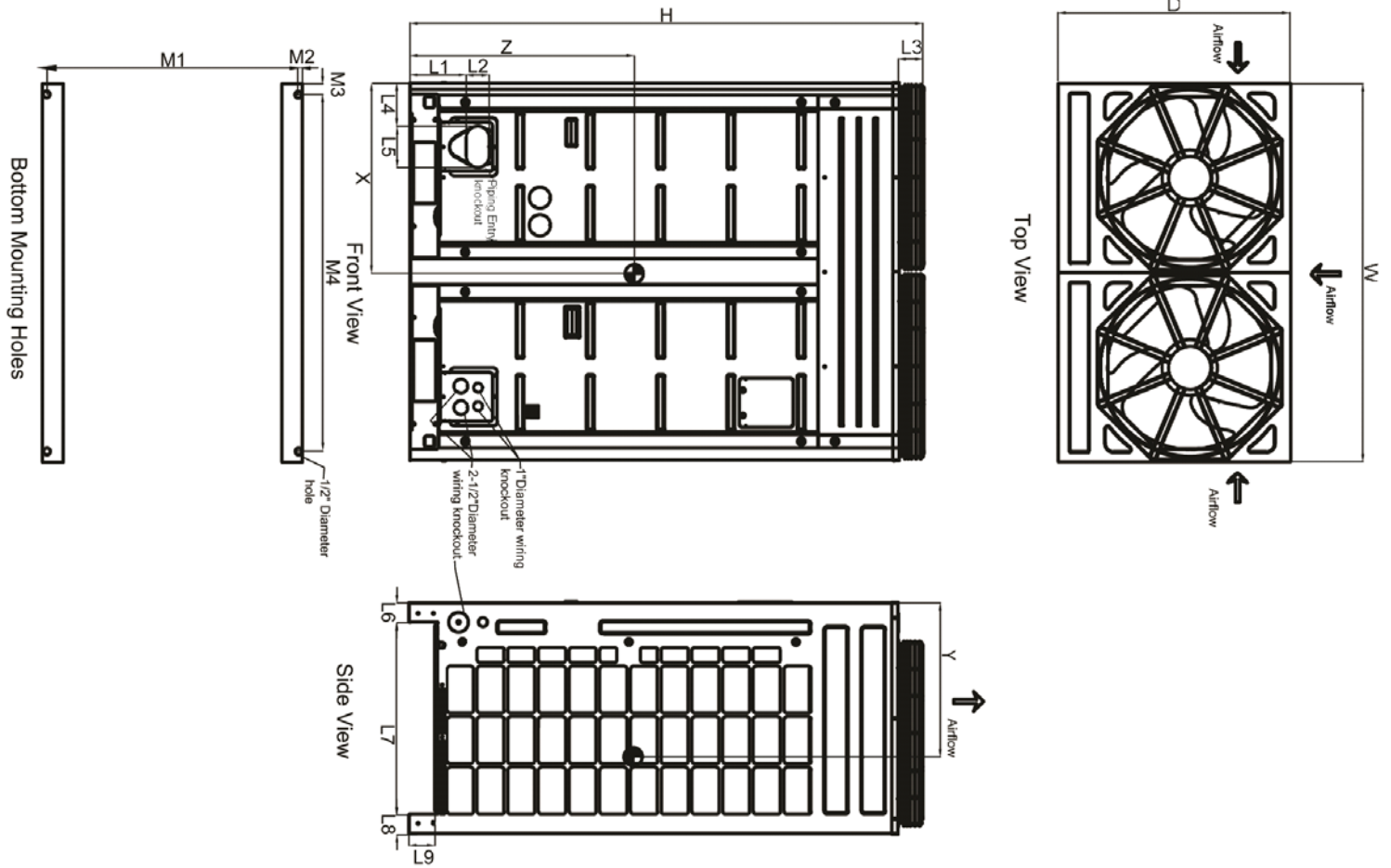
ARUB144DTE4
 Multi V™ IV Heat Recovery
 12.0 Ton Outdoor Unit



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	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	17-5/8"
Y	13-1/2"
Z	29-5/8"

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

