

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



ARUB384DTE4 (a) ARUB096DTE4
Multi V™ IV Heat Recovery (b) ARUB145DTE4¹
32.0 Ton Outdoor Unit (c) ARUB145DTE4¹

Performance:

Cooling Mode:

| | |
|-------------------------------|---------|
| Nominal Capacity (Btu/h) | 384,000 |
| Power Input ² (kW) | 25.16 |

Heating Mode:

| | |
|-------------------------------|---------|
| Nominal Capacity (Btu/h) | 432,000 |
| Power Input ² (kW) | 25.23 |

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) ARUB096DTE4 (b) ARUB145DTE4 (c) ARUB145DTE4¹

| | | | |
|-----------------------|----------|----------|----------|
| Power Supply (V/Hz/Ø) | 460/60/3 | 460/60/3 | 460/60/3 |
| MOP (A) | 35 | 50 | 50 |
| MCA (A) | 23.2 | 35.8 | 35.8 |
| Rated Amps (A) | 19.1 | 31.7 | 31.7 |
| Compressor A (A) | 16.5 | 16.2 | 16.2 |
| Compressor B (A) | — | 12.9 | 12.9 |
| Fan (A) | 2.6 | 2.6 | 2.6 |

Piping: (a) ARUB096DTE4 (b) ARUB145DTE4 (c) ARUB145DTE4¹

| | | | |
|---------------------------------------|------|-------|-------|
| Refrigerant Charge (lbs) | 23.6 | 23.6 | 23.6 |
| Liquid Line ³ (in, OD) | 3/8 | 5/8 | 5/8 |
| Vapor Line High ³ (in, OD) | 3/4 | 7/8 | 7/8 |
| Vapor Line Low ³ (in, OD) | 7/8 | 1-1/8 | 1-1/8 |

Standard Features:

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

Required Accessories:

- ARCNB21 (frame connector Y-branch)
- ARCNB31 (frame connector Y-branch)

Optional Accessories:

- Air Guide (8-12 ton outdoor units) - PRAGX3S0 (6 required)
- Hail Guard Kit - ZHGDKA04A (3 required)
- Low Ambient Baffle Kit - ZLABKA03A (3 required), 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 ⁴ | 61 |
| Sound Pressure ⁵ dB(A) | 64.1 |
| Net Unit Weight (a) + (b) + (c) (lbs) | 540 + 672 + 672 |
| Shipping Weight (a) + (b) + (c) (lbs) | 573 + 705 + 705 |
| Communication Cable ⁶ (No x AWG) | 2 x 18 |
| Heat Exchanger Coating | GoldFin™ |

Compressor:

| | |
|---------------------|---------------------------------|
| Compressor Type | High Side Shell (HSS) DC Scroll |
| Compressor Quantity | 5 |
| Oil/Type | PVE/FVC68D |

Fan:

| | |
|-------------------------------------|---------------------------------------|
| Type | Propeller |
| Quantity (a) + (b) + (c) | 6 |
| Motor/Drive | Brushless Digitally Controlled/Direct |
| Air Flow Rate (a) + (b) + (c) (CFM) | 30,250 |

Notes:

1. ARUB145BTE4/ARUB145DTE4 frames are ONLY for use in large capacity triple frame combinations. They cannot be used as standalone models or in a dual frame combination. These frames ARE NOT interchangeable with ARUB144BTE4/ARUB144DTE4 single frame models.
2. For AHRI ratings, refer to the AHRI website <http://www.ahridirectory.org>.
3. For main pipe segment size, refer to the LATS Multi V tree diagram.
4. The combination ratio must be between 50-130%.
5. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745 for the combination of outdoor units.
6. 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.
7. 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%.
8. Power wiring cable size must comply with the applicable local and national code. Cables terminate at each frame.
9. The voltage tolerance is 414-528V.



Job Name/Location:

ARUB384DTE4
 Multi V™ IV Heat Recovery
 32.0 Ton Outdoor Unit

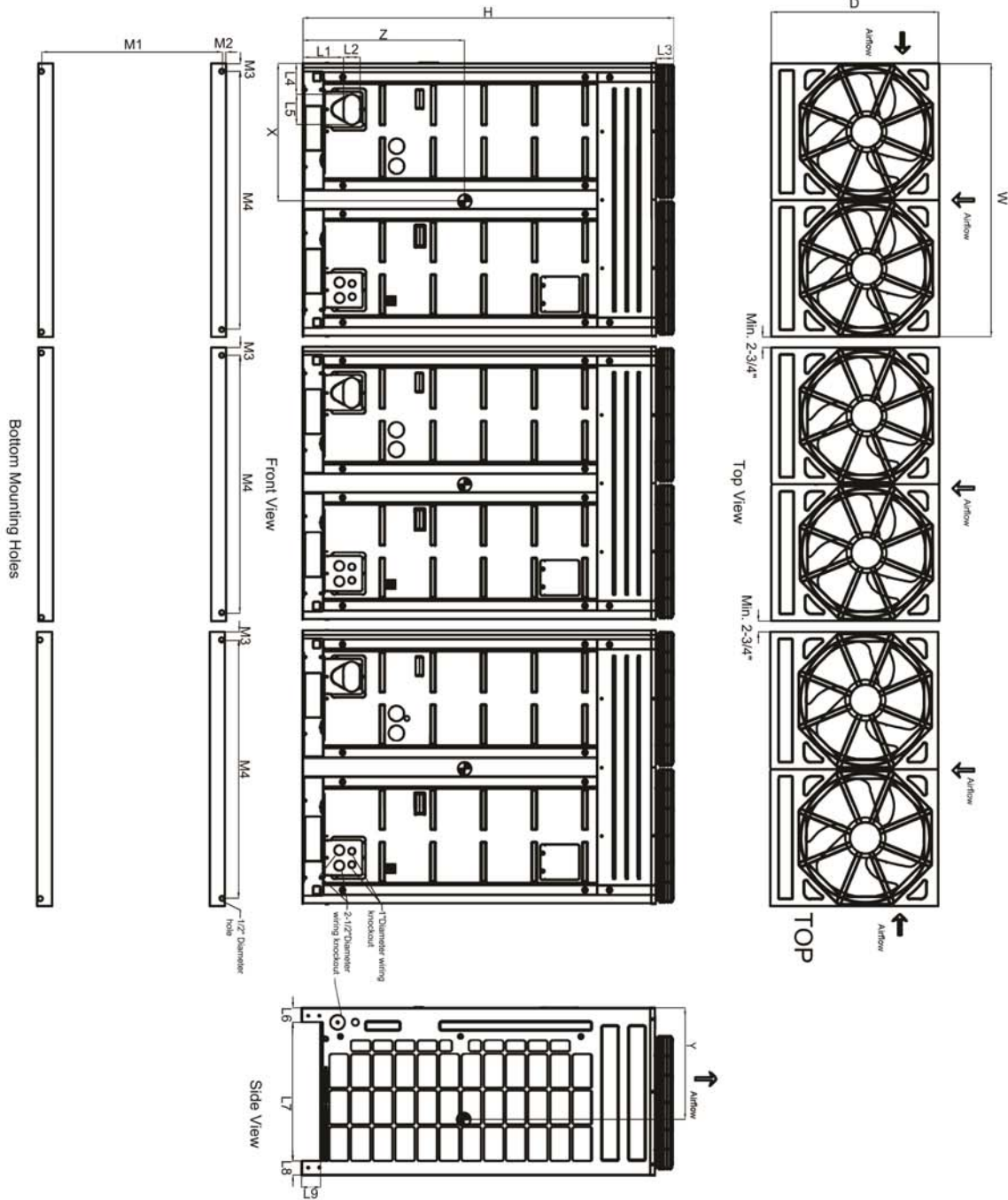
(a) ARUB096DTE4
 (b) ARUB145DTE4¹
 (c) ARUB145DTE4¹



Tag #:

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Bottom Mounting Holes

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

| | |
|----|-----------|
| 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" |