

Date: _____ For: File Resubmit
 PO No.: _____ Approval Other _____
 Architect: _____ GC: _____
 Engr: _____ Mech: _____
 Rep: _____
(Company) (Project Manager)



ARUM096CTE5
 Multi V™ 5 Single Frame 575V
 8.0 Ton Outdoor Unit for Heat Pump and Heat Recovery



Performance:

Cooling Mode:

| | |
|-------------------------------|--------|
| Nominal Capacity (Btu/h) | 96,000 |
| Power Input ¹ (kW) | 5.33 |

Heating Mode:

| | |
|-------------------------------|---------|
| Nominal Capacity (Btu/h) | 108,000 |
| Power Input ¹ (kW) | 6.74 |

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) | 575/60/3 |
| MOP (A) | 25.5 |
| MCA (A) | 16.4 |
| Rated Amps (A) | 14.1 |
| Compressor A (A) | 9.1 |
| Compressor B (A) | - |
| Fan (A) | 5.0 |

Piping:

| | |
|---------------------------------------------|-----------|
| Refrigerant Charge (lbs) | 23.2 |
| Liquid Line (in, OD) | 3/8 Braze |
| Low Pressure Vapor Line (in, | 7/8 Braze |
| High Pressure Vapor Line (in, OD) (HR Only) | 3/4 Braze |

Standard Features:

- Advanced Smart Load Control
- Intelligent Heating
- HiPOR (high pressure oil return)
- Smart Oil Control
- Night Quiet Operation
- Fault Detection and Diagnosis
- Active Refrigerant Control
- Variable Path Heat Exchanger
- Subcooling and Vapor Injection Control
- Liquid Cooled Inverter Controller

Optional Accessories:

- Air Guide - ZAGDKA52A (1 required)
- Low Ambient Baffle Kit - ZLABKA52A (1), Control Kit - PRVC2 (1 per system)
- Hail Guard Kit - ZHGDKA52A (1 Required)

****Cooling operating range can be extended to -13°F if the optional low ambient baffle kit and low ambient control kit are installed. This is the range in which the unit can operate as continuous operation.**

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Operating Range:

| | |
|---------------------------------------|----------|
| Cooling (°F DB)** | 5-122 |
| Heating (°F WB) | -22 - 61 |
| Synchronous Operation - Cooling Based | 14 - 81 |
| Synchronous Operation - Heating Based | 14 - 61 |

Unit Data:

| | |
|---------------------------------------------|-------------------|
| Refrigerant Type | R410A |
| Refrigerant Control | EEV |
| Max Number of Indoor Units ² | 16 |
| Sound Pressure ³ dB(A) | 58.0 |
| Net Unit Weight (lbs) | 527 |
| Shipping Weight (lbs) | 554 |
| Communication Cable ⁴ (No x AWG) | 2 x 18 |
| Heat Exchanger Coating | Black Coated Fin™ |

Compressor:

| | |
|----------|---------------|
| Type | HSS DC Scroll |
| Quantity | 1 |
| Oil/Type | PVE/FVC68D |

Fan:

| | |
|---------------------|---------------------------------------|
| Type | Propeller |
| Quantity | 2 |
| Motor/Drive | Brushless Digitally Controlled/Direct |
| Air Flow Rate (CFM) | 11,300 |

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. Communication cable between ODU and IDU(s) must be 2-conductor, 18 AWG, twisted, stranded, and shielded. Ensure the communication cable shield is properly grounded to the Master ODU chassis only. Do not ground the communication cable at any other point. Wiring must comply with all applicable local and national codes.
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 +/- 10%.



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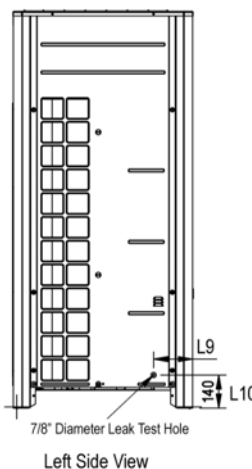
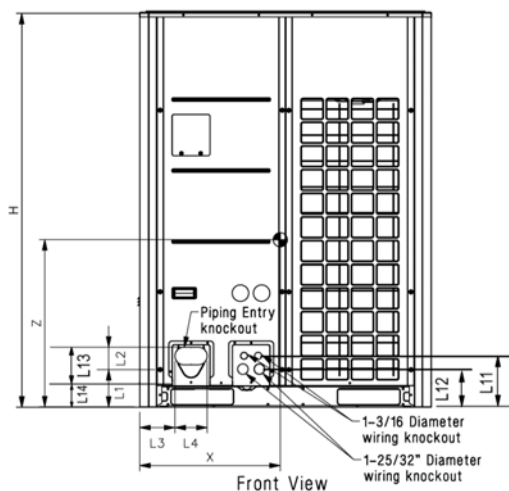
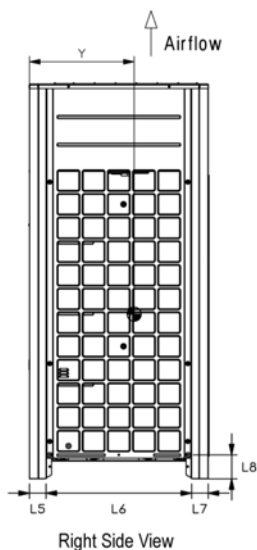
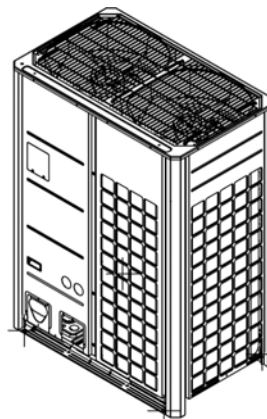
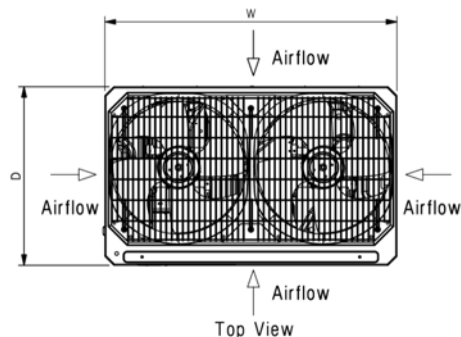
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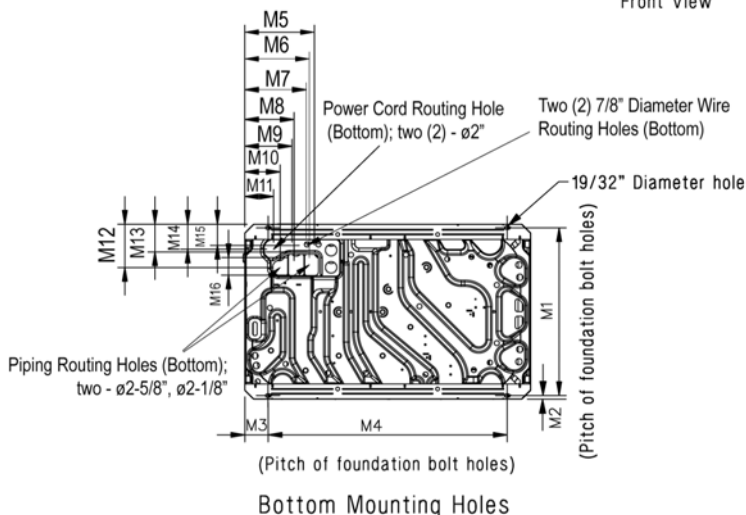
Tag #:

Date:

PO No.:



| | |
|-----|-----------|
| W | 48-13/16" |
| H | 66-17/32" |
| D | 29-29/32" |
| L1 | 6-5/16" |
| L2 | 3-3/4" |
| L3 | 5-29/32" |
| L4 | 5-13/32" |
| L5 | 2-25/32" |
| L6 | 24-9/32" |
| L7 | 2-25/32" |
| L8 | 4-1/32" |
| L9 | 6-1/2" |
| L10 | 5-9/16" |
| L11 | 8-5/8" |
| L12 | 6-7/16" |
| L13 | 9-15/16" |
| L14 | 3-5/8" |



| | |
|-----|-----------|
| M1 | 28-25/32" |
| M2 | 5/8" |
| M3 | 3-15/16" |
| M4 | 40-15/16" |
| M5 | 11-15/16" |
| M6 | 11-1/16" |
| M7 | 10-1/2" |
| M8 | 8-7/16" |
| M9 | 8-1/8" |
| M10 | 6-1/16" |
| M11 | 4-15/16" |
| M12 | 7-1/2" |
| M13 | 4-13/16" |
| M14 | 4-5/16" |
| M15 | 3-5/8" |
| M16 | 3" |

Center of Gravity

| | |
|---|----------|
| X | 23-7/32" |
| Y | 15-5/8" |
| Z | 25-9/16" |

All dimensions have a tolerance of ± 0.25 in. [Unit: inch]

