

Job Name/Location:

Tag No:

Date:

| | | |
|------|----------|----------|
| For: | File | Resubmit |
| | Approval | Other |

PO No.:

Architect: GC:

Engr: Mech:

Rep: (Company) (Project Manager)

ARUM036GSS5

Multi V™ S with LGRED® Outdoor Unit
3.0 Ton Heat Pump and Heat Recovery



Performance:

Cooling Mode:

| | |
|------------------------|--------|
| Rated Capacity (Btu/h) | 36,000 |
| Power Input (kW) | 2.32 |

Heating Mode:

| | |
|------------------------|--------|
| Rated Capacity (Btu/h) | 42,000 |
| Power Input (kW) | 2.92 |

Rated Capacity is based on the following conditions:

| | | | |
|------------------|---------------------------|----------------------------|-----------------|
| Cooling | Indoor: 80°F DB / 67°F WB | Heating: | Indoor: 70°F DB |
| Outdoor: 95°F DB | | Outdoor: 47°F DB / 43°F WB | |

Electrical:

| | |
|------------------------------------|-----------------|
| Power Supply (V/Hz/Ø) ¹ | 208-230V, 60, 1 |
| MOP (A) | 40.0 |
| MCA (A) | 23.5 |
| Rated Amps (A) | |
| Compressor Amps (A) | 18.0 |
| Fan (A) x Qty. | 0.5 x 2 |

Piping / Connections:²

| | |
|--|-----------|
| Refrigerant Charge (lbs.) | 7.7 |
| Piping / Connections for Heat Recovery Operation | |
| Liquid Line (in., O.D.) | 3/8 Braze |
| Low Pressure Vapor Line (in., O.D.) | 3/4 Braze |
| High Pressure Vapor Line (in., O.D.) | 5/8 Braze |
| Piping / Connections for Heat Pump Operation | |
| Liquid Line (in., O.D.) | 3/8 Braze |
| Vapor Line (in., O.D.) | 5/8 Braze |

Compressor:

| | |
|------------|----------------------------|
| Type | Hermetically Sealed Scroll |
| Quantity | 1 |
| Oil / Type | PVE / FVC68D |

Standard Features:

- Night Quiet Operation
- Fault Detection and Diagnosis
- Smart Load Control
- Smart Oil Management
- Drain Pan Heater Built In

Optional Accessories:

- Low Ambient Baffle Kit - ZLABGP04A (2 required)³

Operating Range:

| | |
|------------------------------|------------|
| Cooling (°F DB) ³ | 23 to 122 |
| Heating (°F WB) | -13 to +61 |
| Synchronous | |
| Cooling Based (°F DB) | 14 to 81 |
| Heating Based (°F WB) | 14 to 61 |

Unit Data:

| | |
|---|------------|
| Refrigerant Type | R410A |
| Refrigerant Control | EEV |
| Max. Number of Indoor Units ⁴ | 6 |
| Sound Pressure dB(A) ⁵ | |
| Cooling Mode | 50 |
| Heating Mode | 53 |
| Weight | |
| Net (lbs.) | 263 |
| Shipping (lbs.) | 294 |
| Communication Cable (No x AWG) ⁶ | 2 x 18 |
| Heat Exchanger Coating | Black Fin™ |

Fan:

| | |
|---------------------|---------------------------------------|
| Type | Axial Flow |
| Quantity | 2 |
| Motor / Drive | Brushless Digitally Controlled/Direct |
| Air Flow Rate (CFM) | 4,238 |

Notes:

1. Power wiring size must comply with the applicable local and national codes.
2. For main pipe segment size, refer to the LATS Multi V tree diagram.
3. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -9.9°F in cooling mode.
4. The combination ratio must be between 50 - 130%.
5. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
6. Communication cable between ODU, IDU(s) / HRU(s) must be a minimum of 2-conductor, 18 AWG, twisted, stranded, and shielded. Ensure the communication cable shield is properly grounded to the ODU chassis only. Ⓞ DO NOT ground the communication cable at any other point. Wiring must comply with all applicable local and national codes.
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 codes.
9. The voltage tolerance is ± 10%.

LGRED®



Inverter



Job Name/Location: _____

ARUM036GSS5

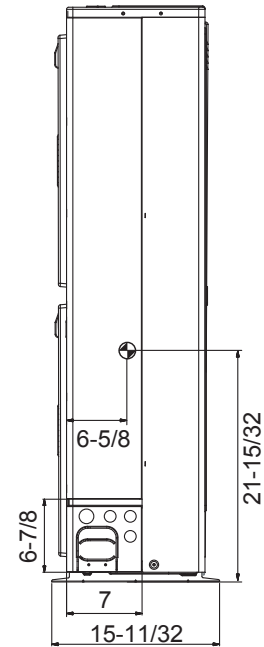
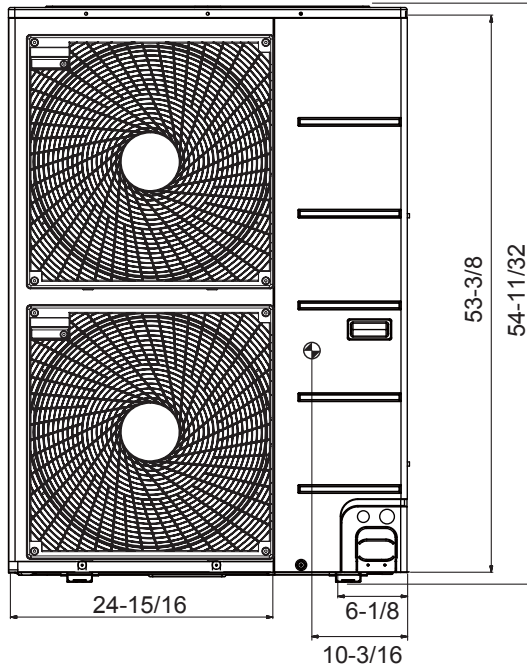
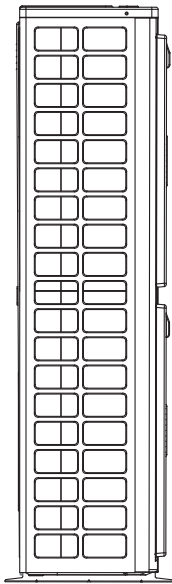
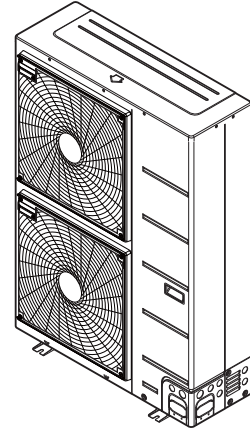
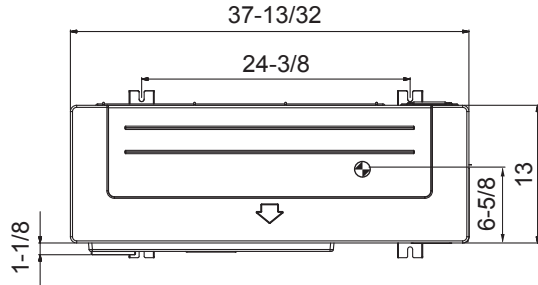
Multi V™ S with LGRED® Outdoor Unit
3.0 Ton Heat Pump and Heat Recovery



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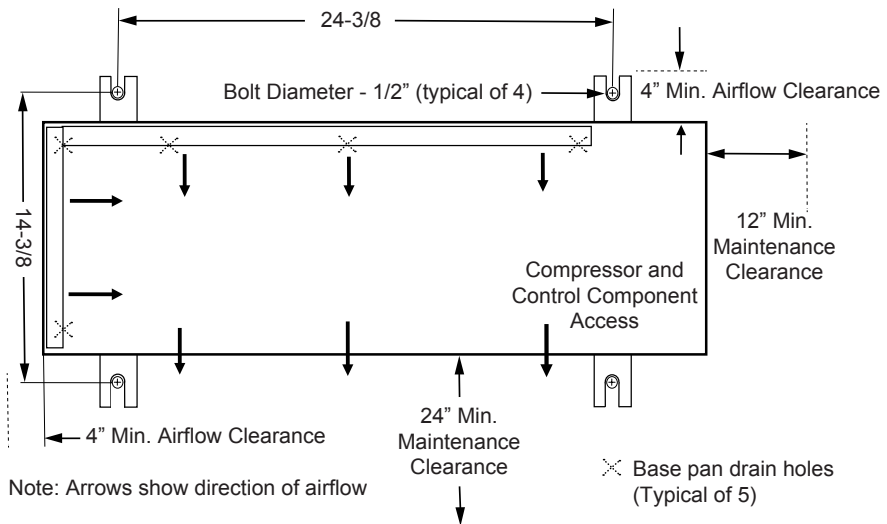
Date: _____

PO No.: _____



Unit: inch

⊕ Center of Gravity



Job Name/Location: _____

ARUM036GSS5

Multi V™ S with LGRED° Outdoor Unit
3.0 Ton Heat Pump and Heat Recovery



Tag No.: _____

Date: _____

PO No.: _____

AHRI Data:

| Reference Number | Indoor Unit Type | Cooling Capacity (95°F) | EER (95°F) | SEER | High Heating Capacity (47°F) | Low Heating Capacity (17°F) | HSPF |
|------------------|--|-------------------------|------------|-------|------------------------------|-----------------------------|-------|
| 205967237 | Non-Ducted Indoor Units | 36,000 | 15.50 | 23.00 | 42,000 | 26,000 | 12.00 |
| 205967238 | Ducted Indoor Units | 36,000 | 13.00 | 18.30 | 42,000 | 28,000 | 11.40 |
| 205967240 | Mixed Ducted and Non-Ducted Indoor Units | 36,000 | 14.25 | 20.65 | 42,000 | 27,000 | 11.70 |