

Job Name/Location:

Tag No.:

Date:

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

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARUM216DTE5

Multi V™ 5 with LGRED° 460V ODU

18 Ton Single Frame Heat Pump and Heat Recovery

**Performance:**

Cooling Mode:

| | |
|--------------------------|---------|
| Nominal Capacity (Btu/h) | 216,000 |
| Power Input (kW) | 15.37 |

Heating Mode:

| | |
|--------------------------|---------|
| Nominal Capacity (Btu/h) | 243,000 |
| Power Input (kW) | 17.75 |

Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.

Electrical:

| | |
|------------------------------------|-------------|
| Frame | ARUM216DTE5 |
| Power Supply (V/Hz/Ø) ¹ | 460/60/3 |
| MOP (A) | 50 |
| MCA (A) | 38.3 |
| Rated Amps (A) | 34.4 |
| Compressor A (A) | 15.5 |
| Compressor B (A) | 13.9 |
| Fan (A) | 5.0 |

Piping:²

| | |
|--|-------------|
| Frame | ARUM216DTE5 |
| Refrigerant Charge (lbs.) | 37.5 |
| Liquid (in., O.D.) | 5/8 Braze |
| High Pressure Vapor (Heat Recov only; in., O.D.) | 1-1/8 Braze |
| Low Pressure Vapor (in., O.D.) | 1-1/8 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 Heat Path Exchanger
- Subcooling and Vapor Injection Control
- Liquid Cooled Inverter Controller
- Advanced Comfort Cooling

Optional Accessories:

- ☐ Air Guide - ZAGDKA52A (2 required)
- ☐ Hail Guard Kit - ZHGDKA52A (2 required)
- ☐ Low Ambient Baffle Kit - ZLABKA52A (2), Control Kit - PRVC2 (1 per system)
- ☐ Base Pan Heater - ZPLT2A51A

****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.**

For continual product development, LG reserves the right to change specifications without notice.

© LG Electronics Canada, Inc., North York, ON. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. / www.lgvr.ca

Operating Range:

| | |
|-----------------------|----------|
| Cooling (°F DB)** | 5 - 122 |
| Heating (°F WB) | -22 - 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 ³ | 35 |
| Sound Pressure ⁴ dB(A) | 64.0 |
| Weight | |
| Frame | ARUM216DTE5 |
| Net (lbs.) | 666 |
| Shipping (lbs.) | 694 |
| Communication Cable (No x AWG) ⁵ | 2 x 18 |
| Heat Exchanger Coating | Black Coated Fin™ |

Compressor:

| | |
|------------|---------------|
| Type | HSS DC Scroll |
| Quantity | 2 |
| Oil / Type | PVE / FVC68D |

Fan:

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

Notes:

1. Power wiring cable size must comply with the applicable local and national codes. Cables terminate at each frame.
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. Communication cable between ODU and IDUs must be 2-conductor, 18 AWG, twisted, stranded, and shielded. Ensure the communication cable shield is properly grounded to the Main ODU chassis only. Do not ground the communication cable at any other point. Wiring must comply with all applicable local and national codes.
6. Acceptable operating voltage: 414 - 528V

LGRED°
Powerful Heat Technology



Inverter



SB_MultiV_5_ODU_ARUM216DTE5_2023_01

Page 1 of 3

ARUM216DTE5

Multi V™ 5 with LGRED° 460V ODU

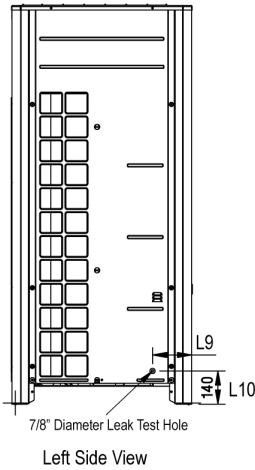
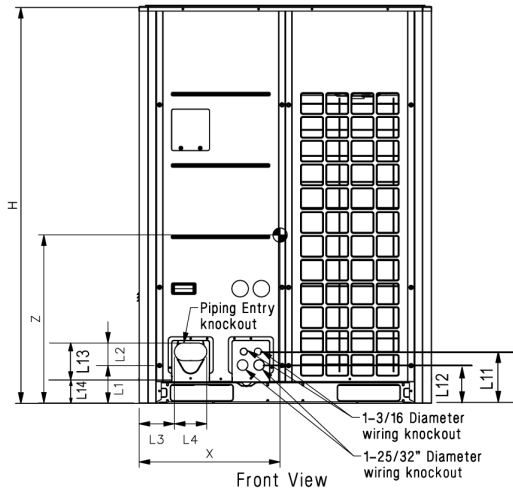
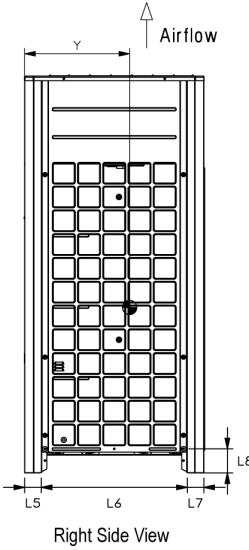
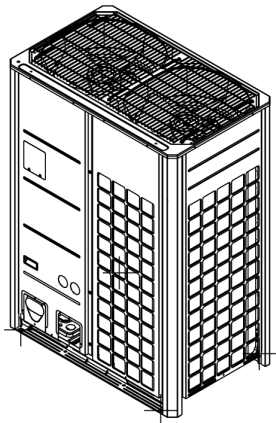
18 Ton Single Frame Heat Pump and Heat Recovery



Tag No.: _____

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]



Job Name/Location: _____

ARUM216DTE5
Multi V™ 5 with LGRED° 460V ODU
18 Ton Single Frame Heat Pump and Heat Recovery



Tag No.: _____

Date: _____

PO No.: _____

AHRI Data:

| Reference Number | Indoor Type | Cooling Capacity (95°F) | EER (95°F) | IEER | SCHE | High Heating Capacity (47°F) | High COP (47°F) | Low Heating Capacity (17°F) | Low COP (17°F) |
|------------------|-------------------------|-------------------------|------------|-------|-------|------------------------------|-----------------|-----------------------------|----------------|
| 205281451 | Ducted Indoor Units | 206,000 | 10.70 | 22.40 | 23.40 | 230,000 | 3.20 | 150,000 | 2.34 |
| 20524551 | Non-Ducted Indoor Units | 206,000 | 11.20 | 24.80 | 26.00 | 230,000 | 3.53 | 150,000 | 2.66 |