

Job Name/Location:

Tag #:

Date:

For: File Resubmit
 Approval Other

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARNU543B8A4
Multi V™ High Static Ducted
54,000 Btu/h Indoor Unit



Performance:

Total Cooling Capacity (Btu/h)	54,000
Heating Capacity (Btu/h)	61,400
Max Power Input ¹ (W)	800
L/M/H Power Input at Factory Default (W)	505 / 505 / 765

Rated capacity is certified under AHRI Standard 1230-2023. Ratings are subject to change without notice. Current and past certified ratings are available at www.ahridirectory.org.

Electrical:

Power Supply (V/Hz/∅)	208-230/60/1
Rated Amps (A)	5.2

Piping:

Refrigerant:

Liquid Line (in, OD) ¹⁴	3/8 Braze
Vapor Line (in, OD)	3/4 Braze

Condensate:

Condensate Pump Drain ² (in, ID)	1 Plain
Gravity Drain Plugged (in, OD)	1 (3/4 MPT)

Controls Features:

- Auto changeover (Heat Recovery only)
- Auto opera. on
- Auto restart
- Dual thermistor control
- Wi-Fi compatible
- Dual setpoint control
- Multiple aux heater applications
- Filter life display
- External on/off control
- Auto fan
- Leak detection
- Weekly schedule
- Fan speed control
- Group control
- Hot start
- Self diagnostics
- Timer (on/off)
- Child lock

Optional Accessories:

- Wireless Remote Controller³ - PWLSSB21H
- MultiSITE™ CRC2 Controller - PREMTBVC2
- MultiSITE CRC2+ Controller - PREMTBVC3
- MultiSITE CRC2+Z Controller - PREMTBVC4
- Simple Remote Controller - PREMTCC00U
- Standard III Remote Controller (White Housing) - PREMTB101
- Standard III Remote Controller (Black Housing) - PREMTBB11
- Deluxe Remote Controller - PREMTA201
- Remote Temperature Button Sensor - ZRTBS01
- Simple Dry Contact (1 contact, 24 VAC external power) - PDRYCB100
- Dry Contact for Third-Party Thermostat¹⁵ - PDRYCB320
- Dry Contact for Economizer - PDRYCB400
- Auxiliary Heater Kit¹⁵ - PRARH1
- Wi-Fi Module - PWFMD200
- High Efficiency Filter Box - ZFBXB801A

Entering Mixed Air:

Cooling Max ⁴ (°F WB)	76
Heating Min (°F DB)	59

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure ⁵ dB(A) (H/M/L)	50 / 48 / 48
Sound Power ⁶ dB(A) (H/M/L)	57 / 57 / 57
Filter Type	Washable
MERV	N/A
Filter Quantity	1
Filter Dimensions ⁷ (in)	16-1/2" x 55" x 1/4"
Net Unit Weight (lbs) Shipping	192
Weight (lbs)	222

Fan:

Type	Sirocco
Fan Quantity	2
Motor/Drive	Brushless Digitally Controlled/Direct
Motor Quantity	2
High Mode Airflow Rate H/M/L (CFM)	2,260/1,766/1,766
High Mode External Static Pressure (ESP) (in wg) ⁸	0.87
Airflow Range (CFM)	1123 - 3691
Minimum ESP (in wg) ⁹	0.23
Maximum ESP (in wg) ⁹	0.98

Notes:

1. Maximum power input is rated at maximum setting value.
2. Maximum lift is 27 in from bottom of unit. Check valve not included (field supplied).
3. Requires an LG wall controller because ducted units do not have infrared receiver.
4. See Engineering Manual for sensible and latent capacities.
5. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
6. Sound Power levels are tested in a reverberation chamber under AHRI Standard 260.
7. Actual filter sizes may vary.
8. At factory fan speed setting.
9. Maximum static pressure may result in reduced airflow (CFM).
10. All Communication cable between Main outdoor units to indoor units / heat recovery units to be 18 AWG, 2-conductor, twisted, stranded, shielded. Ensure the communication cable shield is properly grounded to the Main outdoor unit chassis only. Do not ground the outdoor unit to indoor units / heat recovery units communication cable at any other point. Wiring must comply with all applicable local and national codes.
11. Power wiring cable size must comply with the applicable local and national code.
12. This unit comes with a dry nitrogen charge.
13. All capacities are net with a combination ratio between 95 – 105%.
14. Must follow installation instructions in the applicable LG installation manual.
15. If a Third-Party Dry Contact and an LG internal heater or an LG Auxiliary Heater Kit is installed, supplemental heat capability cannot be controlled by the Third-Party Thermostat.



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

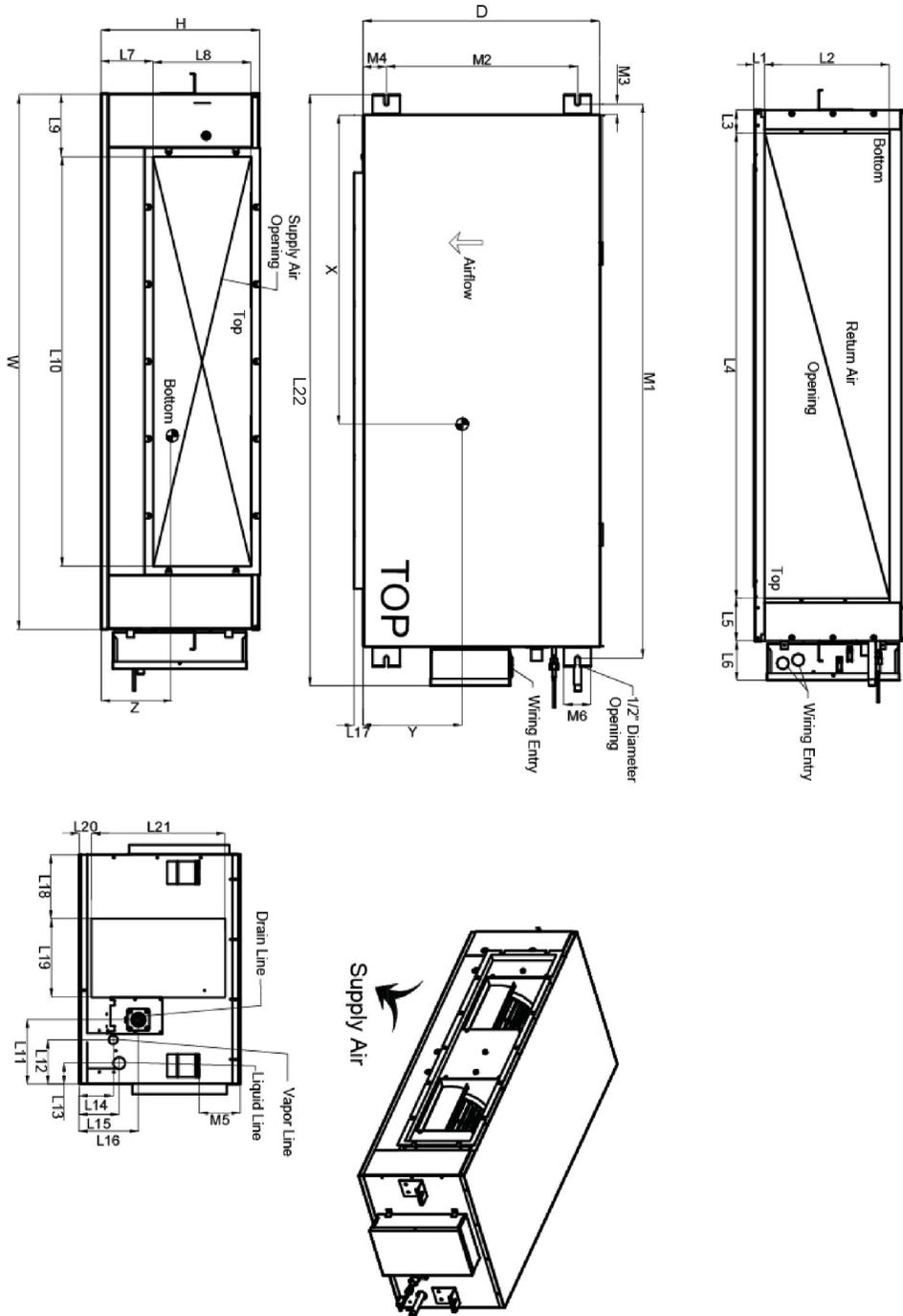
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Tag #:

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PO No.:



W	61 1/2"
D	27 3/32"
H	18 1/8"
L1	2 3/8"
L2	15 7/16"
L3	2"
L4	55"
L5	4 9/16"
L6	4 1/2"
L7	6"
L8	12 1/2"
L9	6 3/4"
L10	44 1/4"
L11	7 5/8"
L12	5 1/4"
L13	2 1/2"
L14	4 3/4"
L15	5 1/2"
L16	6 7/8"
L17	1 3/16"
L18	7 13/16"
L19	9 3/16"
L20	1 5/16"
L21	15 3/8"
L22	68 1/4"
M1	63 13/16"
M2	22"
M3	1 3/16"
M4	2 1/2"
M5	4 1/8"
M6	3 3/16"

Center of Gravity

X	31 1/16"
Y	18 1/8"
Z	8 3/4"

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