

Job Name/Location:

Tag #:

Date:

For: File Resubmit
 Approval Other _____

PO No.:

Architect: _____ GC: _____

Engr: _____ Mech: _____

Rep: _____
(Company) (Project Manager)

ARNU183NJA4
Multi V™ Vertical /Horizontal Air Handling Unit
 18,000 Btu/h Indoor Unit



Performance:

Total Cooling Capacity (Btu/h)	18,000
Heating Capacity (Btu/h)	20,000
Max Power Input ¹ (W)	228
L/M/H Power Input at Factory Default (W)	64 / 80 / 90

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:²

Power Supply (V/Hz/Ø)	208-230/60/1
Rated Amps (A)	2.8

Piping:

Refrigerant:

Liquid Line (in, OD)	1/4 flare
Vapor Line (in, OD)	1/2 flare

Condensate:

Condensate Line (in, ID)	1 (3/4 FPT)
Factory Installed Pump	No

Controls Features:

- Auto Operation
- Auto Changeover (Heat Recovery Only)
- Auto Restart
- Auto Fan
- Child Lock
- Dual Thermistor Control
- E.S.P. Control
- Group Control
- Hot Start
- Self Diagnostics
- Weekly Schedule
- Dual Setpoint Control
- Filter Life Display
- External on/off control
- Timer (On/Off)
- Fan Speed Control
- Leak Detection
- Wi-Fi Compatible

Optional Accessories:

- Wireless Remote Controller³ - PWLSSB21H
- MultiSITE™ CRC2 Controller - PREMTBVC2
- MultiSITE CRC2+ Controller - PREMTBVC3
- MultiSITE CRC2+Z Controller - PREMTBVC4
- Simple Remote Controller - PREMTCO0U
- Standard III Remote Controller (White Housing) - PREMTB100
- Standard III Remote Controller (Black Housing) - PREMTBB10 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 - PWFMDDD200
- Electric Heat Kits - ANEHXX3B1/B2 Series



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)	42 / 42 / 41
Sound Power ⁶ dB(A) (H/M/L)	56 / 55 / 54
Net Unit Weight (lbs)	117
Shipping Weight (lbs)	140

Fan:

Type	Sirocco
Fan Quantity:	1
Motor/Drive:	Brushless Digitally Controlled/Direct
Motor Quantity:	1
High Mode Airflow Rate H/M/L (CFM):	580/530/480
High Mode External Static Pressure (ESP) ⁷ (in wg):	0.5
Minimum ESP ⁸ :	0.1
Maximum ESP ⁸ :	0.8

Standard Features:

- Access Panel for Field Supplied Air Filter
 - 16 x 20 x 1

Notes:

1. Maximum power input is rated at maximum setting value.
2. Electrical data listed is without an electric heat kit accessory option. The addition of an electric heat kit accessory option will change the electrical data.
3. Requires an LG wall controller because ducted units don't have an 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 level is measured using rated conditions, and tested in a reverberation room per AHRI 260.
7. At factory fan speed setting.
8. Maximum static pressure may result in reduced airflow (CFM).
9. 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.
10. Power wiring cable size must comply with the applicable local and national code.
11. This unit comes with a dry nitrogen charge.
12. All capacities are net with a combination ratio between 95 – 105%.
13. Adjust fan speed to correct for static pressure increases when using field supplied air filter or heat kit.
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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