

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



**ARNU183BHA4**  
 Multi V™ Ducted (High Static)  
 19,100 Btu/h Indoor Unit



**Performance:**

Total Cooling Capacity (Btu/h)	19,100
Heating Capacity (Btu/h)	21,500
Power Input <sup>1</sup> (W)	150

Cooling Nominal Test Conditions: Heating Nominal Test 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)	208-230/60/1
Rated Amps (A)	1.06

**Piping:**

Refrigerant:

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

Condensate:

Condensate Pump Drain <sup>2</sup> (in, ID)	1 Plain
Gravity Drain Plugged (in, OD)	1 MPT

**Controls Features:**

- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Group control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Dual Setpoint Control
- Weekly schedule
- External on/off control
- Fan speed control
- Multiple aux heater applications
- Filter life and power consumption display

**Optional Accessories:**

- Wireless Handheld Remote Controller<sup>3</sup> - PQWRHQ0FDB
- LG Programmable Thermostat - PREMTB10U
- LG Premium Controller - PREMTA000
- Simple Controller with Mode (Black) - PQRVCLOQ
- Simple Controller with Mode (White) - PQRVCLOQW
- Simple Controller without Mode (Black) PQRCHCAOQ
- Simple Controller without Mode (White) - PQRCHCAOQW
- Simple Dry Contact (1 contact, 24 VAC external power) - PDRYCB100
- Dry Contact with Economizer- PQDSBC1
- Dry Contact for Third Party Thermostat - PDRYCB300
- Wall Mounted Temperature Sensor - PQRSTAO
- Remote Temperature Button Sensor - ZRTBS01
- High Efficiency Filter Box for BH HSD Chassis - ZFBXBH01A
- Dynamic V8 2VL Low Profile Air Cleaner - ZFBXD201A
- Dynamic V8 4VL Air Cleaner - ZFBXD401A
- Return Air Grille - Louvered (one per plenum) - ZGRLRA01A
- Return Air Grille - Egg Crate (one per plenum) - ZGRLRA02A
- 2VL Low Profile Return Air Plenum - ZPLMV201A
- 4VL Return Air Plenum - ZPLMV402A
- Aux Heater Kit - PRARH1

**Entering Mixed Air:**

Cooling Max <sup>4</sup> (°F WB)	76
Heating Min (°F DB)	59

**Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure <sup>5</sup> dB(A) (H/M/L)	40/38/37
Filter Type	Washable
MERV	N/A
Filter Quantity	1
Filter Dimensions <sup>6</sup>	7-1/2" x 30-3/4" x 1/4"
Net Unit Weight (lbs)	58
Shipping Weight (lbs)	68

**Fan:**

Type	Sirocco
Fan Quantity	2
Motor/Drive	Brushless Digitally Controlled/Direct
Motor Quantity	1
Standard Mode Airflow Rate H/M/L (CFM)	466 / 413 / 258
Standard Mode External Static Pressure (ESP) <sup>7</sup> (in wg)	0.23
High Mode Airflow Rate H/M/L (CFM)	459 / 399 / 339
High Mode External Static Pressure (ESP) <sup>7</sup> (in wg)	0.31
Minimum ESP (in wg) <sup>8</sup>	0.12
Maximum ESP (in wg) <sup>8</sup>	0.47

**Notes:**

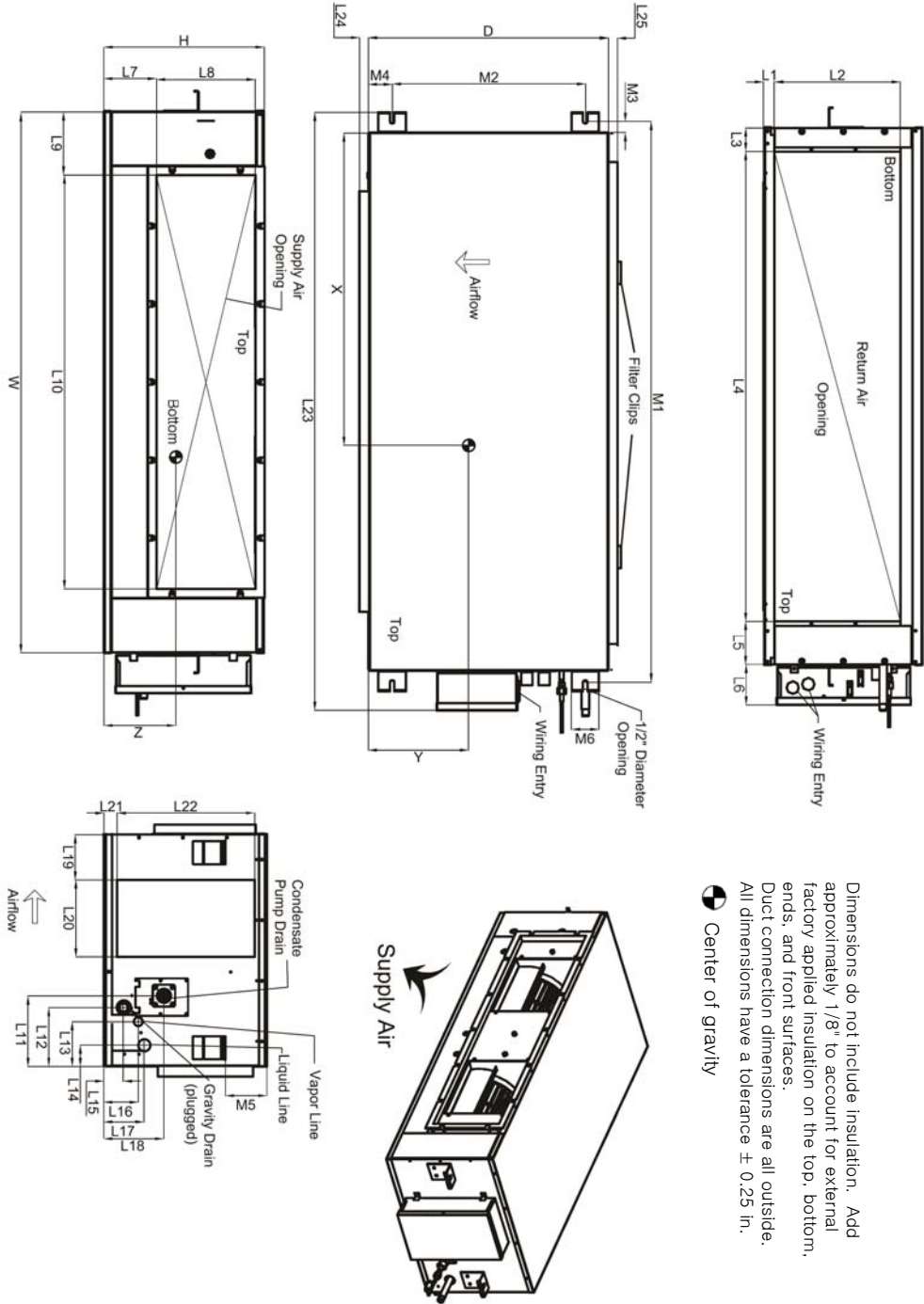
1. The Power Input is rated at high speed.
2. Maximum lift is 27 in from bottom of unit. Check valve not included (field supplied).
3. Requires an LG Programmable Thermostat, Simple Controller with Mode or a Simple Controller without Mode.
4. See Engineering Manual for sensible and latent capacities.
5. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
6. Actual filter sizes may vary.
7. At factory fan speed setting.
8. Maximum static pressure may result in reduced airflow (CFM).
9. All communication cable to be minimum 18 American wire gage (AWG), 2-conductor, stranded, shielded or unshielded wire and must comply with applicable local and national code. If shielded, the wire must be grounded to the chassis at the outdoor unit only.
10. Power wiring cable size must comply with the applicable local and national code.
11. This unit comes with a dry nitrogen charge.
12. This 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%.
13. Must follow installation instructions in the applicable LG installation manual.



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Dimensions do not include insulation. Add approximately 1/8" to account for external factory applied insulation on the top, bottom, ends, and front surfaces.  
 Duct connection dimensions are all outside. All dimensions have a tolerance ± 0.25 in.  
 ⊕ Center of gravity

\* No flange/filter, retainer clips only

W	34-3/4"
D	17-3/4"
H	10-1/4"
L1	13/16"
L2	6-3/8"
L3	7/8"
L4	29-1/2"
L5	4-1/2"
L6	4-1/2"
L7	2-7/8"
L8	6-1/4"
L9	1-5/8"
L10	29-1/2"
L11	6-5/8"
L12	6-5/8"
L13	3-15/16"
L14	1-7/8"
L15	1"
L16	3-1/4"
L17	3-15/16"
L18	7"
L19	3-3/16"
L20	4-13/16"
L21	0"
L22	10-1/4"
L23	41-3/8"
L24	1-3/16"
L25*	0"
M1	36-11/16"
M2	14"
M3	1"
M4	1-7/8"
M5	2-1/2"
M6	2"
X	15-7/8"
Y	8-5/8"
Z	4-11/16"

Center of Gravity  
 ARNU183BHA4