

Job Name/Location:

Tag #:

Date:

For:  File  Resubmit

PO No.:

Approval  Other \_\_\_\_\_

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



**ARND20BDAT2**  
Dedicated Outdoor Air System  
2,000 CFM Indoor Unit

**Performance (Main Coil):**

Total Cooling Capacity (Btu/h)	143,100
Heating Capacity (Btu/h)	59,900

Cooling Nominal Test Conditions:  
Outdoor: 95°F DB/75°F WB  
Leaving Air: 54°F DB/53°F WB

Heating Nominal Test Conditions:  
Outdoor: 44°F DB/30°F WB

**Electrical:**

Power Supply (V/Hz/Ø)	208-230/60/3
MCA (A)	96
MOP (A)	100

MCA - Minimum Circuit Amps MOP - Maximum Overcurrent Protection

**Piping<sup>1</sup>:**

**Refrigerant (Main Coil):**

Liquid Line (in, OD)	1/2
Vapor Line (in, OD)	1-1/8

**Refrigerant (Reheat Coil):**

Liquid Line (in, OD)	1/2
Vapor Line (in, OD)	1-1/8

**Condensate:**

Condensate Line (in, NPT)	1
Factory Installed Pump	No

NPT - Nominal Pipe Thread

**Electric Preheat Coil:**

Heat Capacity at 208V (KW)	26.3
Heating Stages	Modulating (SCR)

SCR - Silicon Controlled Rectifier

Test Conditions:  
Outdoor Air Temperature: 2.5°F DB/1.5°F WB  
Leaving Air Temperature: 44°F DB/30°F WB

**Reheat Coil:**

Heat Capacity (Btu/h)	45,900
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Test Conditions:  
Entering Air Temperature: 54°F DB/53°F WB  
Reheat Leaving Air Temperature 75°F DB

**Operating Range:**

Outdoor Temperature (°F DB)	2.5-104
Outdoor Temperature (°F WB)	1.5-78

**Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Power dB(A)	84
Filter Type	2" thick, MERV 8
Filter Quantity	3
Filter Panel Size	16" x 20"
Net Unit Weight (lbs)	725
Shipping Weight (lbs)	825

**Fan:**

Type	Backward Curved Plenum
Quantity	1
Motor/Drive	ECM Direct
Airflow Rate (CFM)	2000
External Static Pressure (in wg)	1.65

ECM - Electronically Commutated Motor

**Standard Features:**

- Double Wall Construction
- R-6.25 insulation
- Stainless steel drain pan
- Hinged access doors with removable hinge pins
- Factory installed AHU controller that can be directly connected to a PC, or connected to TCP/IP network for web access.
- Direct integration into LonWorks®, BACnet®, building automation systems
- Can be connected to AC Smart IV (PACS4B000)

**Notes:**

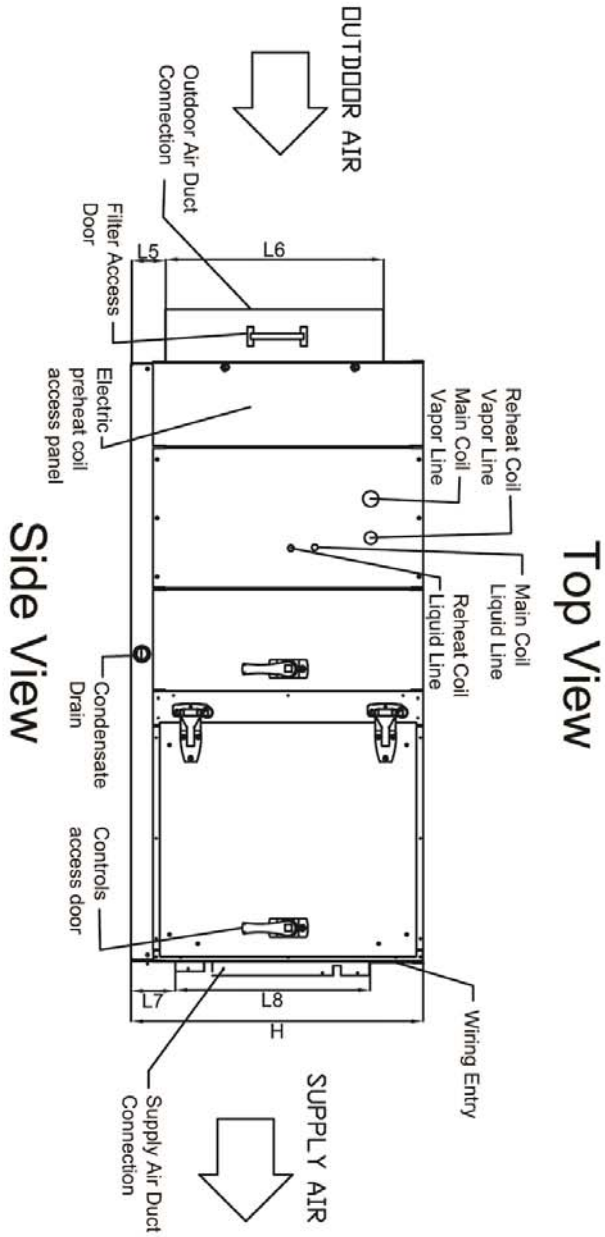
- 1.Connection Rules:
  - Combination ratio should be 50%-100%
- 2.All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code.
- 3.Power wiring cable size must comply with the applicable local and national code.
- 4.This data 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.
- 5.Must follow installation instructions in the applicable LG installation manual.

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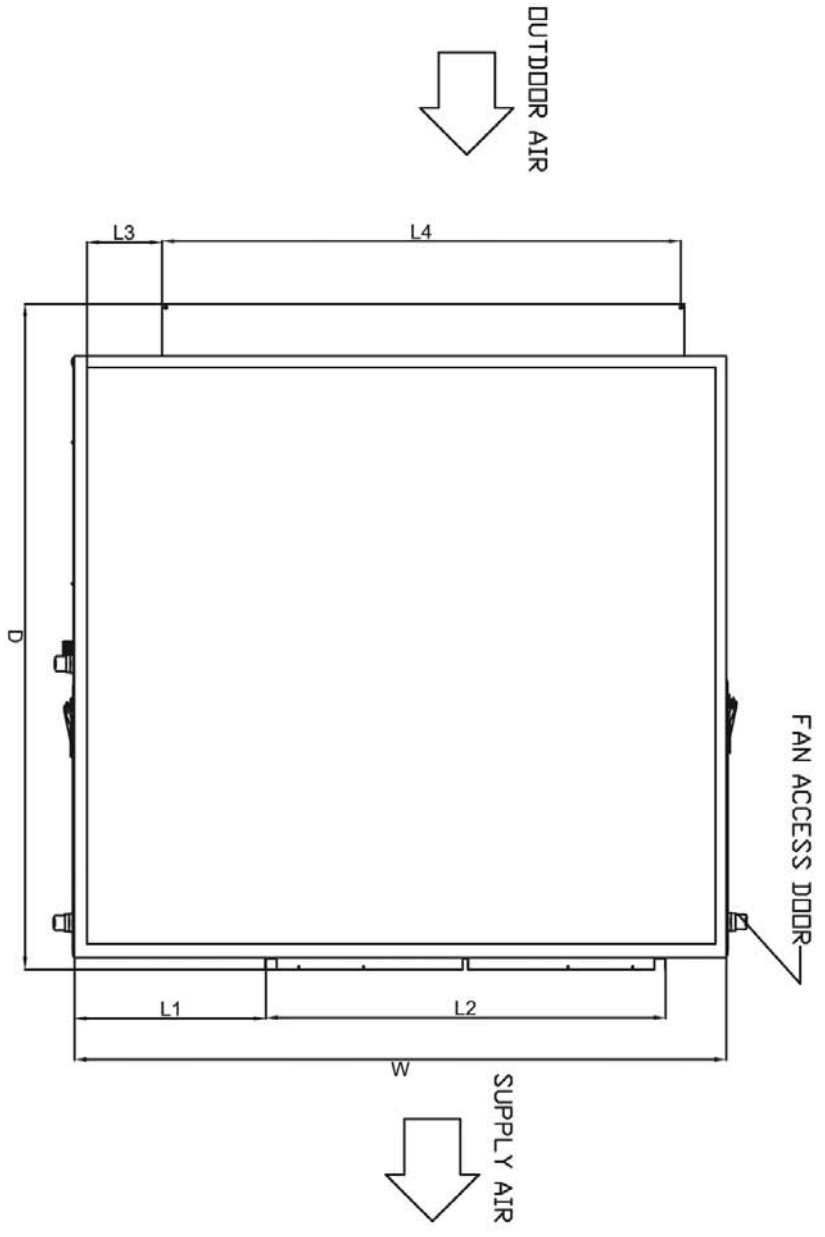
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**Top View**



W	60-1/4"
D	61-5/8"
H	26-7/8"
L1	17-3/4"
L2	37"
L3	8-1/8"
L4	48-1/4"
L5	3-1/8"
L6	20-1/8"
L7	4-1/8"
L8	18"