

Job Name/Location:

Tag #:

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



ARND20BDAR2

Dedicated Outdoor Air System (no preheat)
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: 52.9°F DB/52.5°F WB

Heating Nominal Test Conditions:

Outdoor: 44°F DB/30°F WB

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
MCA (A)	8
MOP (A)	15

MCA - Minimum Circuit Amps MOP - Maximum Overcurrent Protection

Piping¹:

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

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 Range²:

Outdoor Temperature (°F DB)	41-122
Outdoor Temperature (°F WB)	41-78

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)	600
Shipping Weight (lbs)	700

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.For outdoor design temperatures lower than 41°F, a field provided preheat coil or ERV can be installed upstream of the DOAS unit and interlocked to DOAS controls.

3.All communication cable to be minimum 18 AWG, 4-conductor, stranded, shielded and must comply with applicable local and national code.

4.Power wiring cable size must comply with the applicable local and national code.

5.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.

6.Must follow installation instructions in the applicable LG installation manual.

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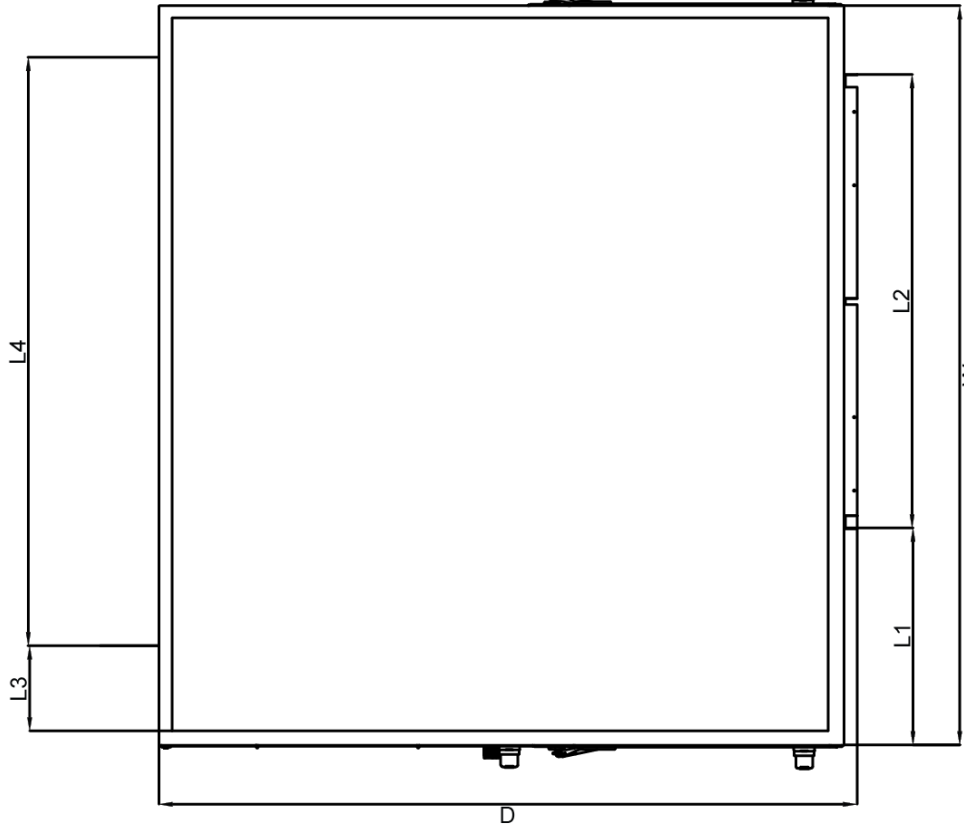
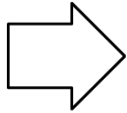
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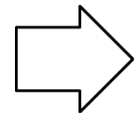
Top View

FAN ACCESS DOOR

OUTDOOR AIR

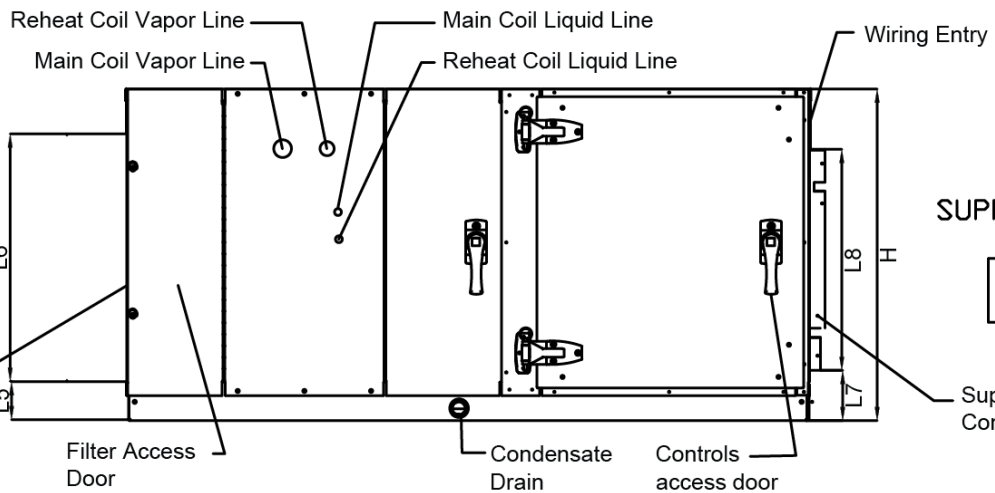
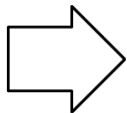


SUPPLY AIR

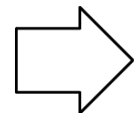


W	60-1/4'
D	56-3/4'
H	26-7/8'
L1	17-3/4'
L2	37'
L3	8-1/8'
L4	48-1/4'
L5	3-1/8'
L6	20-1/8'
L7	4-1/8'
L8	18'

OUTDOOR AIR



SUPPLY AIR



Side View