Job Name/Location: **Tag #:**

Date:

PO No.:

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other_____

Architect: GC:

Engr: Mech:

Rep:

(Company) (Project Manager)

ARND153DCR4

Split Compact DOAS

1500 CFM Indoor Unit

Performance:

Total Cooling Capacity (Btu/h)	120,000
Heating Capacity (Btu/h)	51,000

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/40.3°F WB
Leaving Air: 70°F DB

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
MCA (A)	7.5
MOP (A)	15

MCA - Minimum Circuit Amps MOP - Maximum Overcurrent Protection

Piping[1]:

Refrigerant:

Liquid Line (in, OD)	1/2
High Pressure Vapor Line (in, OD)	3/4
Low Pressure Vapor Line (in, OD)	1-1/8

Condensate:

Condensate Pump Line (in, Plain)	1
Gravity Drain (in, OD)	1
Factory Installed Pump	Yes

Reheat Coil:

Heat Capacity (Btu/h)	24,000

Test Conditions:
Entering Air Temperature: 54°F DB/53°F WB
Reheat Leaving Air Temperature 75°F DB

Accessories:

PACS5A000 AC Smart 5
ZWPREHTR01 10kW Electric Preheater / Filter Box
CA12C10000U 2 Year Parts Extended Warranty
CA12C20000U 3 Year Parts Extended Warranty
CA12C30000U 4 Year Parts Extended Warranty
CA12C40000U 5 Year Parts Extended Warranty
CA12C50000U 6 Year Parts Extended Warranty
CA12C60000U 7 Year Parts Extended Warranty
CA12C70000U 8 Year Parts Extended Warranty
CA12C80000U 9 Year Parts Extended Warranty
CA12C90000U 10 Year Parts Extended Warranty

Operating Range[2]:

Outdoor Temperature (°F DB)	14-122
Outdoor Temperature (°F WB)	14-78

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Power dB(A)	75
Sound Pressure dB(A)	56
Filter Type	2" thick, MERV 8
Filter Quantity	2
Filter Panel Size	25" x 20" x 2"
Net Unit Weight (lbs)	390
Shipping Weight (lbs)	448

Fan:

Type	3D Plug
Quantity	1
Motor/Drive	ECM Direct
Airflow Rate (CFM)	1500
External Static Pressure (in wg)	2.0

ECM - Electronically Commutated Motor

Standard Features:

- Main and recovery coils internally piped to factory installed heat recovery unit
- Factory mounted discharge air temperature sensor
- Factory installed AHU controller that can be directly connected to a PC, or connected to TCP/IP network for web access.
- Direct integration into BACnet® building automation systems
- Can be connected to AC Smart 5 and ACP 5

Notes:

1.Connection Rules:
- Combination ratio should be 50%-110%
- Cannot be combined with standard IDUs
- Compatible with Multi V 5 Heat Recovery only

2.For outdoor design temperatures lower than 14°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.

7. Standard (1) year parts warranty.

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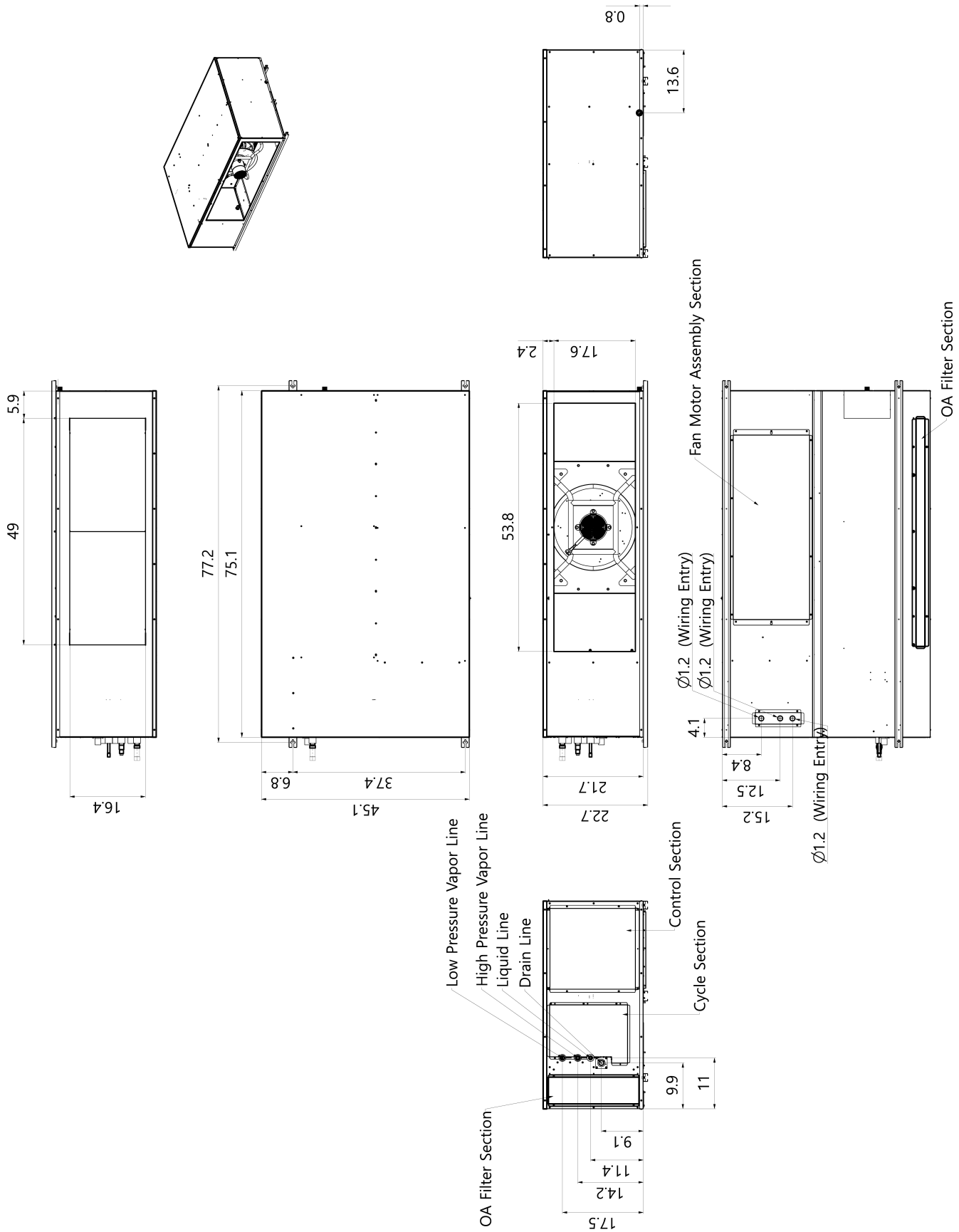

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