

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other \_\_\_\_\_

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**LD127HV4**

Single Zone Low Static Duct

Outdoor Unit (ODU) - LUU127HV Indoor Unit (IDU) - LDN127HV4

**Performance:****Cooling:**

Capacity (Min-Rated-Max, Btu/h)	4,640 - 11,600 - 12,760
SEER/EER	19.6/12.9

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

**Heating:**

Capacity (Min-Rated-Max, Btu/h)	6,400 - 16,000 - 17,600
HSPF	10.5

HSPF - Heating Seasonal Performance Factor

Cooling Nominal Test Conditions:

Indoor: 80°F DB/67°F WB

Outdoor: 95°F DB/75°F WB

Heating Nominal Test Conditions:

Indoor: 70°F DB/60°F WB

Outdoor: 47°F DB/43°F WB

**Electrical:**

Power Supply <sup>1</sup> (V/Hz/Ø)	208-230/60/1
MOP (A)	15
MCA (A)	12.3
Cooling Rated Amps (A)	10.05
Heating Rated Amps (A)	10.05
Compressor (A)	9.0
Fan Motor (IDU+ODU) (A)	1.05
Cooling Power Input (kW)	0.9
Heating Power Input (kW)	1.29

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

**Piping:**

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	3/8
Additional Refrigerant (oz/ft)	0.22
Max Pipe Length <sup>2</sup> (ft)	66
Pipe Length (no add'l Refrigerant, ft)	24.6
Max Elevation (ft)	49

**Features:**

- ESP control
- Hot start
- Inverter (variable speed fan)
- Internal condensate pump
- Auto restart
- Control lock
- Group control
- Timer (on/off)
- Sleep mode
- Optional Wi-Fi control

**Required Accessories (sold separately):**

Controller (Any LG wired remote controller)

**Optional Accessories:**

- ☐ MultiSITE™ CRC1 - PREMTBVCO
- ☐ MultiSITE CRC1+ - PREMTBVC1
- ☐ Standard RS3 Controller- PREMTB100
- ☐ PI-485 - PMNFP14A1
- ☐ Dry Contact - PDRYCB320
- ☐ Wi-Fi Module - PWFMD200
- ☐ Drain Pan Heater for 18k - PQSH1200
- ☐ Low Ambient Kit (Cooling operation to -40°C) - PAG-HS6/PAG-HS7/ PQCA0 Without PQCA0 (baffles only) Cooling to -4°F
- ☐ Simple Controller with Mode (White) PREMTCC00U

**Operating Range:****Outdoor Unit:**

Cooling (°F DB)	0-118
Heating (°F WB)	-4-64

**Indoor Unit:**

Cooling (°F WB)	57-77
IDU Heating (°F DB)	59-81

**Unit Data:**

Refrigerant Type/Control	R410A/EEV
Refrigerant Charge (lbs)	2.43
ODU Sound Pressure <sup>3</sup> Max (Cool/Heat)	49/52
IDU Sound Pressure <sup>3</sup> (H/M/L) ±3 dB(A)	31 / 28 / 27
ODU Net Weight (lbs)	82
ODU Shipping Weight (lbs)	89
IDU Net Weight (lbs)	51
IDU Shipping Weight (lbs)	60

**Fan:**

ODU/IDU Fan Type	Propeller/Sirocco
Fan Speeds (Fan/Cooling/Heating)	3/3/3
Fan Quantity (ODU + IDU)	1 + 3
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Circulation (CFM)	988
IDU Air Circulation H/M/L (CFM)	353 / 300 / 247
Factory Set External Static Pressure (in wg)	0.1
Minimum External Static Pressure	0.0
Maximum External Static Pressure	0.2
Dehumidification Rate (pts/hr)	2.28

**Notes:**

1. Acceptable operating voltage: 187V-253V.
2. Piping lengths are equivalent.
3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
4. Maximum static pressure may result in reduced airflow (CFM).
5. All power/communication cable to be minimum 18 American wire gage (AWG), 4-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.
6. See Engineering Manual for sensible and latent capacities.
7. Power wiring cable size must comply with the applicable local and national code.
8. The indoor unit comes with a dry helium charge.
9. This data is rated 0 ft above sea level, with 25 ft of refrigerant line and a 0 ft level difference between outdoor and indoor units.
10. Must follow installation instructions in the applicable LG installation manual.



**Outdoor Unit (ODU) - LUU127HV**

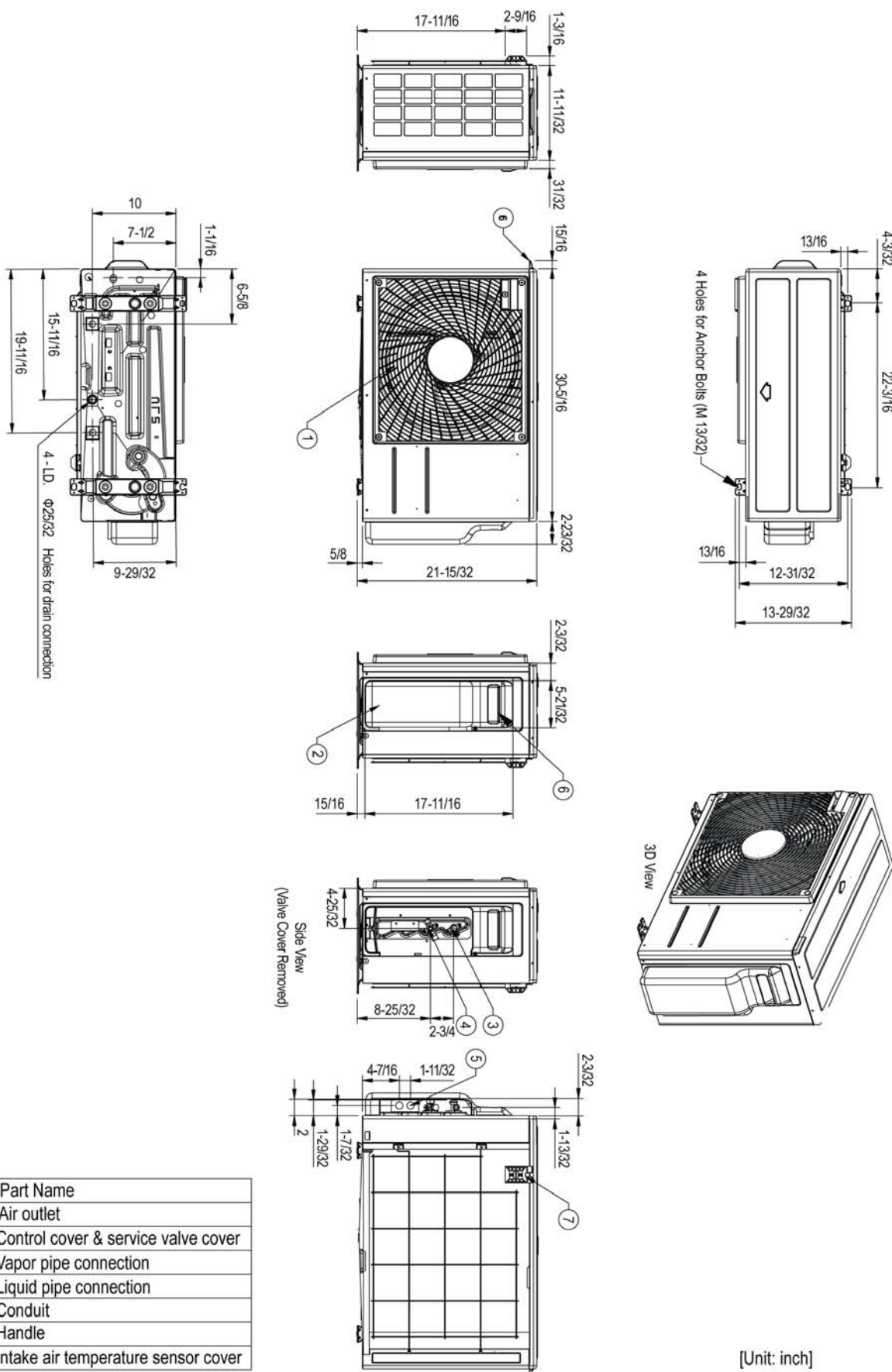
Single Zone Low Static Duct



Tag #:

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No.	Part Name
1	Air outlet
2	Control cover & service valve cover
3	Vapor pipe connection
4	Liquid pipe connection
5	Conduit
6	Handle
7	Intake air temperature sensor cover

[Unit: inch]

PO No.:



(unit: inch)

(unit: inch)