

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

LV480HV**Single Zone Vertical Air Handler Unit**

Outdoor Unit (ODU) - LUU488HV Indoor Unit (IDU) - LVN480HV

**Performance:****Cooling:**Cooling (Min-Rated-Max, Btu/h) 18,000 ~ 48,000 ~ 53,000
SEER/EER 16.5/10.00

SEER - Seasonal Energy Efficiency Rating EER - Energy Efficiency Rating

Heating:Heating (Min-Rated-Max, Btu/h) 19,000 ~ 56,000 ~ 60,000
HSPF 9.5

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 (V/Hz/Ø) 208-230 / 60 / 1

Outdoor Unit:

MOP (A)	40
MCA (A)	32
Cooling Rated Amps (A)	24.2
Compressor (A)	21.0
Fan Motor (A)	1.6 x 2

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Total Power Input:

Cooling Power Input (Min-Rated-Max, kW) 1.40 ~ 4.80 ~ 6.00

Heating Power Input (Min-Rated-Max, kW) 1.50 ~ 5.10 ~ 6.20

Piping:

Liquid Line (in, OD)	3/8
Vapor Line (in, OD)	5/8
Additional Refrigerant (oz/ft)	0.43
Max Pipe Length (ft) ²	246
Pipe Length (no add'l Refrigerant, ft)	24.6
Max Elevation (ft)	98.4

Features:

- ESP control
- Auto restart
- Sleep mode
- Hot start
- Group control
- Built in dry contact
- Group control
- Timer (on/off)
- Built in Wifi
- Inverter (variable speed fan)

Included Accessories:

- Simple Controller with Mode (White) - PQRCVCLOQW

Optional Accessories:

- ☐ MultiSITE thermostat PREMTBVCO
- ☐ PQSH1200 base pan heater
- ☐ ANEH103B2 10kW electric heater
- ☐ ANEH153B2 15 kW electric heater
- ☐ ANEH203B2 20kW electric heater
- ☐ PNDFK0 downflow conversion kit

Operating Range:**Outdoor Unit:**Cooling (°F DB) 5 - 118
Heating (°F WB) -4 - 64**Indoor Unit:**Cooling (°F WB) 57-77
Heating (°F DB) 59-81**Unit Data:**

Refrigerant Type/Control	R410A/EEV
Refrigerant Charge (lbs)	7.5
ODU Sound Pressure Max (Cool/Heat) ±3 dB(A) ³	52/54
IDU Sound Pressure (H/M/L) ±3 dB(A) ³	49/48/44
ODU Net Weight (lbs)	203
ODU Shipping Weight (lbs)	232
IDU Net Weight (lbs)	165
IDU Shipping Weight (lbs)	188

Fan:

ODU/IDU Fan Type	Propeller/Sirocco
Fan Speeds (Fan/Cooling/Heating)	3/3/3
Fan Quantity (ODU + IDU)	2 + 1
Motor/Drive	Brushless Digitally Controlled / Direct
ODU Air Circulation (CFM)	1,942 x 2
IDU Air Circulation H/M/L (CFM)	1,400 / 1,260 / 1,000
Default External Static Pressure (in wg)	0.3
Minimum ESP/Fan Setting Value ⁴	0.1/61
Maximum ESP/Fan Setting Value ⁴	1.0/116
Dehumidification Rate (pts/hr)	5.2

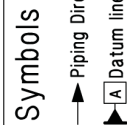
Notes:

- Acceptable operating voltage: 187V - 253V.
- Piping lengths are equivalent.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Maximum static pressure may result in reduced airflow (CFM).
- 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.
- Power wiring cable size must comply with the applicable local and national code.
- The indoor unit comes with a dry helium charge.
- 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.
- Must follow installation instructions in the applicable LG installation manual.
- If the optional low ambient wind baffle (ZLABGP04A) is used, one wind baffle is required for each ODU fan.
- Electric heater accessory available in 3kW, 5kW, 8kW, 10kW, 15kW, and 20kW capacities. Refer to the engineering manual for details.





PO No.:



[Unit: inch]

8	Pipe routing hole (back)	-
7	Pipe routing hole (side)	-
6	Pipe routing hole (front)	-
5	Handle	-
4	Liquid Pipe Connection	Flare joint
3	Gas Pipe Connection	Flare joint
2	Power and communication cable Hole	-
1	Air Outlet	-
No.	Part Name	Description

LVN480HV

Single Zone Vertical Air Handler Unit



LG

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