

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

LVN240HV4**Multi Zone Vertical Air Handling Unit**

24,000 Btu/h Indoor Unit

**Performance:**

Cooling (Min~Rated~Max, Btu/h)	9,000 ~ 24,000 ~ 28,000
Heating (Min~Rated~Max, Btu/h)	10,000 ~ 27,000 ~ 30,000

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 ¹ /Hz/Ø)	208-230 / 60 / 1
Rated Amps (A)	1.1

Piping:

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	1/2
Drain (In, ID)	3/4 FPT
Temperature Sensor	Thermistor

Features:

- ESP control
- Hot start
- Self diagnostics
- Soft dry (dehumidification)
- Weekly schedule
- Inverter (variable speed fan)
- Group control
- Sleep mode
- Timer (on/off)
- Integrated dry contact for 3rd party thermostat

Included Accessories:

- Simple Controller with Mode (White) PQRCVCLOQW

Optional Accessories (sold separately)

- ☐ MultiSITE™ CRC1 Remote Controllers - PREMTBVC(0/1)
- ☐ Wireless Handheld Remote Controller - PQWRHQ0FDB
- ☐ AC Smart IV - PACS4B000
- ☐ ACP IV - PACP4B001
- ☐ LonWorks Gateway - PLNWK100
- ☐ AC Smart IV BACnet - PBACNA000
- ☐ ACP IV BACnet Gateway - PQNFB17C2
- ☐ Dry Contact Unit (1 contact, 24 VAC external power) - PDRYCB100
- ☐ Dry Contact Unit (2 setpoint) - PDRYCB400
- ☐ Dry Contact Unit for third party thermostat - PDRYCB300
- ☐ Remote Button Temperature Sensor - ZRTBS01
- ☐ 3 kW Electric Heater - ANEH033B1¹⁴
- ☐ Wi-Fi Module - PCRCUDT3
- ☐ Downflow Kit - PNDFJ0

Operating Range:

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

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure ³ H/M/L (±3 dB(A))	43/42/41
Net Unit Weight (lbs)	129
Shipping Weight (lbs)	140

Fan:

Type	Sirocco
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Airflow Rate H/M/L (CFM)	710 / 640 / 480
External Static Pressure ^{4 5} (in wg)	
Minimum ESP/Fan Setting Value ⁶	0.1/51
Maximum ESP/Fan Setting Value ⁶	0.7/97

Standard Features:

- Filter Rack for Field Supplied Air Filter
- 16 x 20 x 1 inch

Notes:

- Acceptable operating voltage is 187V-253V.
- Requires an LG wired thermostat.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
- Adjust fan speed to correct for static pressure increases when using field supplied air filter.
- At factory fan speed setting.
- Air flow rate (CFM) at high speed.
- See Engineering Manual for sensible and latent capacities.
- All power/communication cable to be minimum 18 AWG, 4-conductor, stranded, shielded or unshielded, and must comply with applicable local and national code. If shielded, must be grounded to the chassis at ODU only.
- Power wiring cable size must comply with the applicable local and national codes.
- This unit comes with a dry helium charge.
- Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 – 105%.
- Must follow installation instructions in the applicable LG installation manual.
- Includes socket adapters for refrigerant pipe connections.
- Electric heater accessory available in 3kW, 5kW, 8kW, and 10kW capacities. Refer to the engineering manual for details.



For a complete list of available accessories, contact your LG representative.

For continual product development, LG reserves the right to change specifications without notice.

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LG

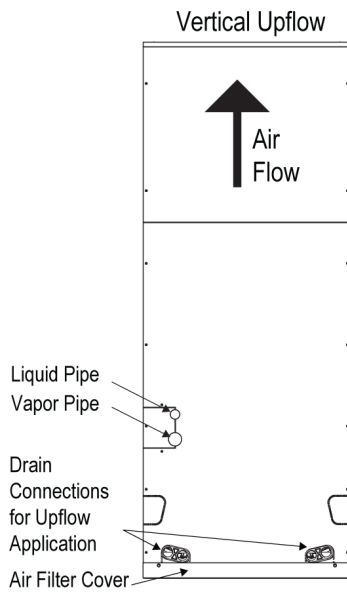
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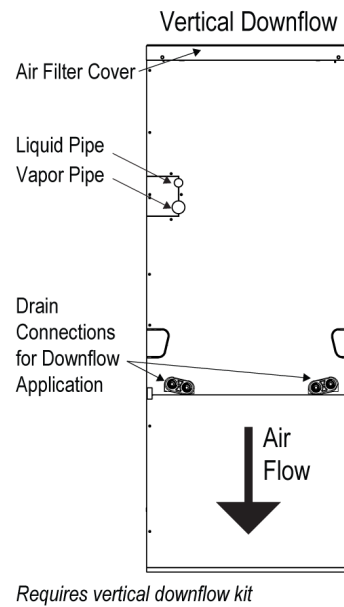
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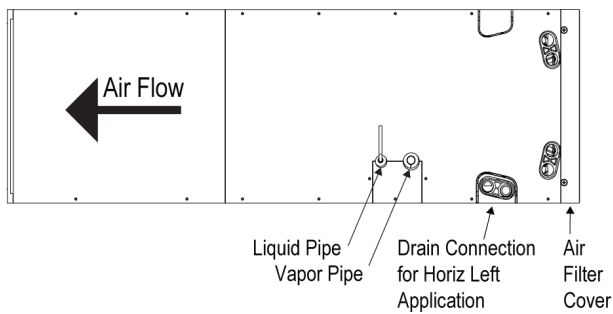
Factory Configurations



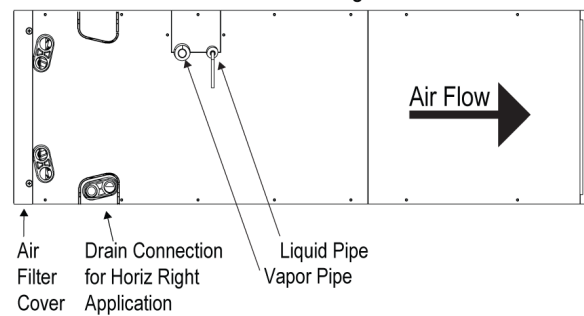
Field Configurations



Horizontal Left



Horizontal Right



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