

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

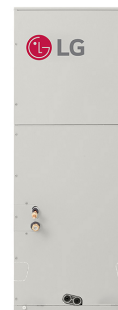
(Company)

(Project Manager)

LVN181HV4

Multi F Vertical Air Handling Unit

18,000 Btu/h Indoor Unit

**Performance:**

Nominal Cooling Capacity (Btu/h)	18,000
Nominal Heating Capacity (Btu/h)	20,000

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:

Installed Liquid Pipe (in., O.D.)	Ø1/4
Installed Vapor Pipe (in., O.D.)	Ø1/2
Liquid Connection (in., O.D.)	Ø3/8
Vapor Connection (in., O.D.)	Ø5/8
Drain (In, ID)	3/4 FPT
Temperature Sensor	Thermistor

Standard Features:

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

Controls Features:

- W2 terminal connection
- Hot start
- Self diagnostics
- Soft dry (dehumidification)
- Weekly schedule
- Controller sold separately
- Inverter (variable speed fan)
- Group control
- Sleep mode
- Timer (on/off)
- Integrated dry contact for 3rd party thermostat
- ECM fan provides constant airflow regardless of permitted ESP

Optional Accessories:

- ☐ MultiSITE™ CRC2 Remote Controller - PREMTBVC2
- ☐ Remote Button Temperature Sensor - ZRTBS01
- ☐ Electric Heater¹¹
- ☐ Wi-Fi Module - PWFMD200
- ☐ AC Smart 5 - PACSSA000
- ☐ Downflow Kit - PNDFJ0
- ☐ Programmable Remote Controller - PREMTB100
- ☐ Delux Remote Controller - PREMTB200

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	35 / 33 / 30
Net Unit Weight (lbs)	123.5
Shipping Weight (lbs)	135.1

Fan:

Type	Sirocco
Quantity	1
Motor/Drive	ECM (Electronically Commutated Motor)/Direct
Airflow Rate H/M/L (CFM)	640 / 580 / 480
Maximum External Static Pressure (in wg)	0.7

Notes:

1. Acceptable operating voltage is 187V-253V.
2. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
3. See Engineering Manual for sensible and latent capacities.
4. All power/communication cable to be minimum 14 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.
5. Power wiring cable size must comply with the applicable local and national codes.
6. This unit comes with a dry helium charge.
7. 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%.
8. Must follow installation instructions in the applicable LG installation manual.
9. Includes socket adapters for refrigerant pipe connections.
10. Controller not included.
11. 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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Page 1 of 3

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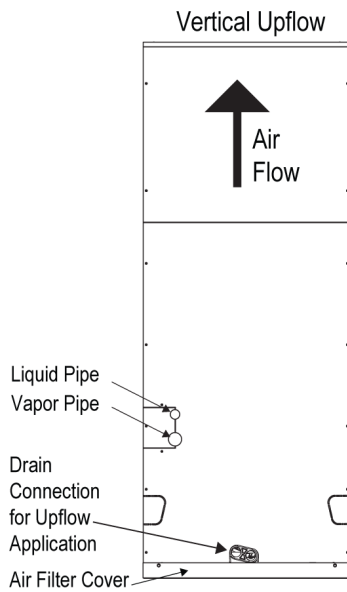


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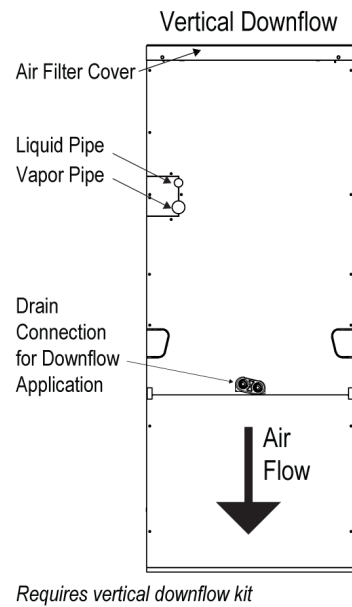
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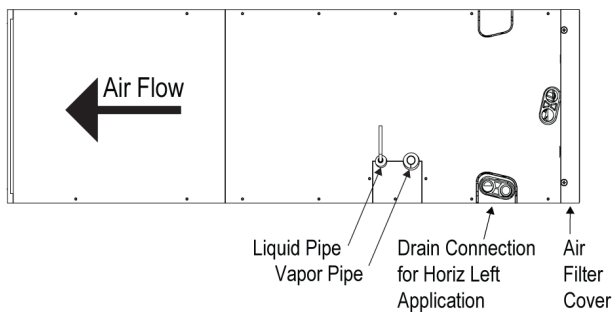
Factory Configurations



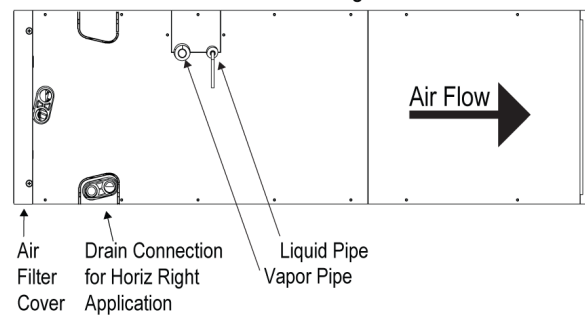
Field Configurations



Horizontal Left



Horizontal Right



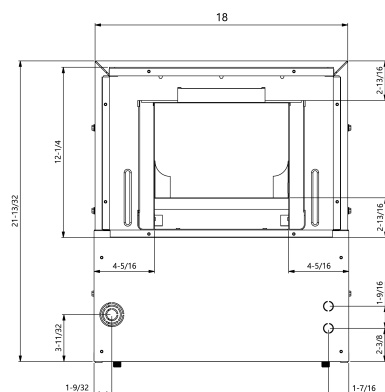
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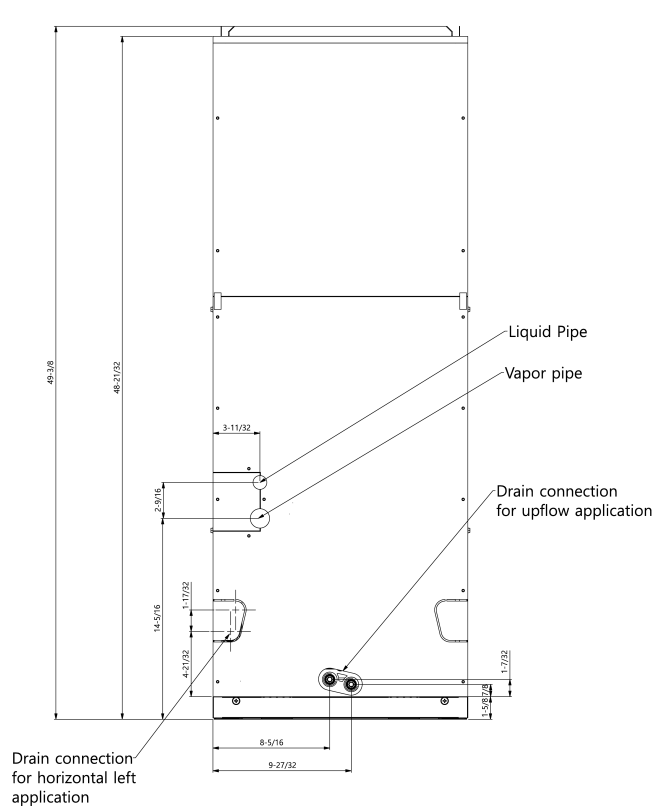
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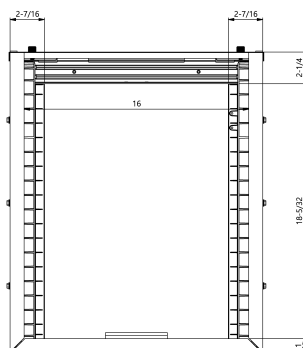
Top View



Front View



Side View



Bottom View