

Job Name/Location:

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Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

LV360HV4

Single Zone Vertical Air Handler Unit

Outdoor Unit (ODU) - LUU368HV Indoor Unit (IDU) - LVN360HV4

Performance:

Cooling:

Cooling (Min~Rated~Max, Btu/h)	14,000 ~ 36,000 ~ 44,000
SEER / EER	18.0/12.5

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

Heating:

Heating (Min~Rated~Max, Btu/h)	15,000 ~ 40,000 ~ 47,000
HSPF	10

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 ¹ (V/Hz/Ø)	208-230 / 60 / 1
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Outdoor Unit:

MOP (A)	40
MCA (A)	32
Cooling Rated Amps (A)	24.2
Compressor(A)	22.0
Fan Motor (IDU + ODU) (A)	1.1 + (1.6 x 2)
Cooling Power Input (kW)	1.00 ~ 3.27 ~ 3.60
Heating Power Input (kW)	1.02 ~ 3.57 ~ 4.40

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	3/8
Vapor Line (in., O.D.)	5/8
Additional Refrigerant (oz./ft.)	0.43
Max. Pipe Length ² (ft.)	6.6/246
Piping Length (no add'l refriger., ft.)	24.6
Max. Elevation (ft.)	98.4

Features:

- Hot start
- Inverter (variable speed fan)
- Auto restart
- Control lock
- W2 terminal connection
- Group control
- Timer (on/off)
- Sleep Mode
- Optional Wi-Fi Control
- Built in dry contact
- ECM (Electronically Commutated Motor) fan provides constant airflow regardless of permitted ESP (External Static Pressure)

Optional Accessories:

- ☐ MultiSITE™ CRC1 - PREMTBVC0
- ☐ MultiSITE CRC1+ - PREMTBVC1
- ☐ Thermostat Dry Contact- PDRYCB320
- ☐ RS3 Remote Controller- PREMTB100
- ☐ Aux Heater Relay Kit- PRARH0
- ☐ Simple Controller - PREMTCC00U
- ☐ Wi-Fi module with cable - PWFMD200
- ☐ Remote Button Temperature Sensor - ZRTBS01
- ☐ Low Ambient Kit (cooling operation to -40°F)⁹ - PAG-HS4/PAG-HS5/PQCA0 -Without PQCA0 (Baffles only) Cooling to -4°F
- ☐ Base Pan Heater - PQSH1200
- ☐ Dry Contact Unit (1 contact, 24 VAC external power) - PDRYCB100
- ☐ Dry Contact Unit (2 setpoint) PDRYCB400
- ☐ Electric Heater 3kW - ANEH033B1¹⁰
- ☐ Downflow Conversion Kit - PNDFK0

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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Operating Range:

Outdoor Unit:

Cooling (°F DB)	5 to 118
Heating (°F WB)	-4 to 64

Indoor Unit:

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

System Data:

Refrigerant Type/Control	R410A/EEV
Refrigerant Charge (lbs.)	7.5
ODU Sound Pressure Max (Cool / Heat) ±1 dB(A) ³	52/54
IDU Sound Pressure (H/M/L) ±1 dB(A) ³	45 / 44 / 43
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/Cool/Heat)	3/3/3
Fan Quantity (ODU + IDU)	2 + 1
Motor/Drive	Electronically Commutated Motor / Direct
Maximum ODU Air Volume (CFM)	1,942 x 2
IDU Air Volume Default (H/M/L) (CFM)	1100 / 1000 / 900
ESP Operating Range (in-wg)	0.1 - 0.9
Minimum IDU Air Flow Volume (CFM)	900
Maximum IDU Air Flow Volume (CFM)	1,100
Dehumidification Rate (pts/hr)	3.4

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 3745.
4. All power/communication cable to be minimum 14 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.
5. Power wiring cable size must comply with the applicable local and national code.
6. The indoor unit comes with a dry helium charge.
7. 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.
8. Must follow installation instructions in the applicable LG installation manual.
9. If the optional low ambient wind baffle is used, one wind baffle is required for each ODU fan.
10. Electric heater accessory available in 3kW, 5kW, 8kW, 10kW, 15kW, and 20kW capacities.
11. Controller not included.

Refer to the engineering manual for details.



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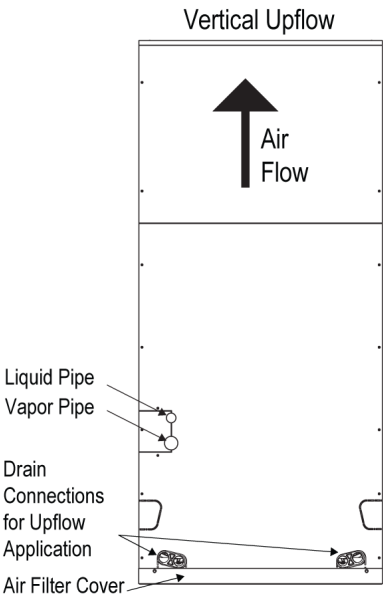
LUU368HV
Single Zone Vertical Air Handler Unit



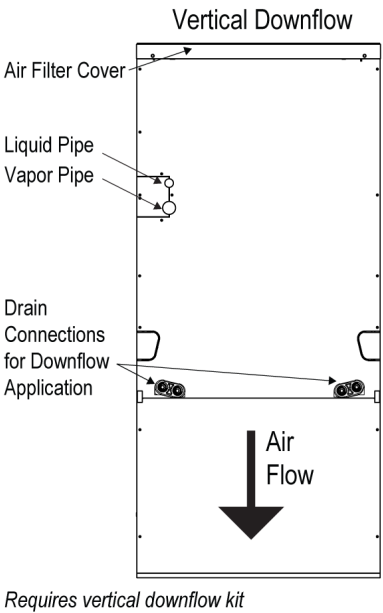
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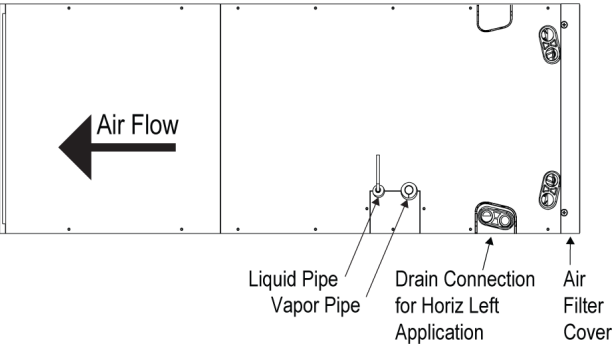
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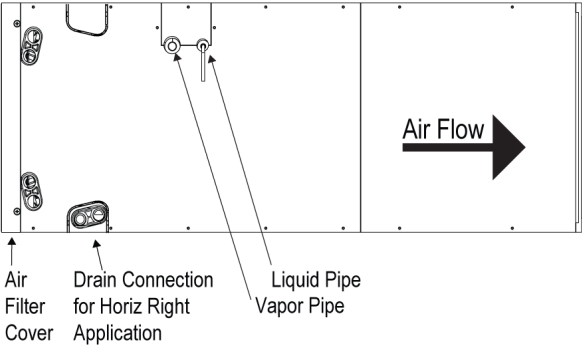
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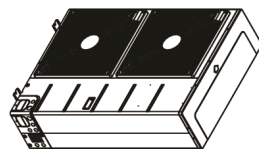
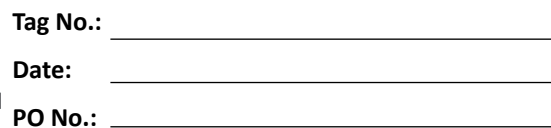
Horizontal Left



Horizontal Right



LUU368HV
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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

LVN360HV4

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Dimensions for LVN360HV4, LVN420HV, LVN480HV (NK frame)

Figure 7: LVN360HV4, LVN420HV, LVN480HV Indoor Unit Dimensions.

