Job Name/Location: **Tag #:**

Date: For: ☐ File ☐ Resubmit

PO No.: ☐ Approval ☐ Other _____

Architect: GC:

Engr: Mech:

Rep:

(Company) (Project Manager)

# LV240HV4

## Single Zone Vertical Air Handler Unit

Outdoor Unit (ODU) - LUU248HV Indoor Unit (IDU) - LVN240HV4

LG Life's Good

### Performance:

Cooling:

| | |
|---|---|
| Cooling (Min-Rated-Max, Btu/h) | 9,000 ~ 24,000 ~ 28,000 |
| SEER/EER | 18.0/12.50 |

SEER - Seasonal Energy Efficiency Rating EER - Energy Efficiency Rating

Heating:

| | |
|---|---|
| Heating (Min-Rated-Max, Btu/h) | 10,000 ~ 27,000 ~ 30,000 |
| 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 (V[1]/Hz/Ø) | 208-230 / 60 / 1 |

Outdoor Unit:

| | |
|---|---|
| MOP (A) | 30 |
| MCA (A) | 20 |
| Cooling Rated Amps (A) | 15.1 |
| Compressor (A) | 13.5 |
| Fan Motor (A) | 1.6 |

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

### Total Power Input:

| | |
|---|---|
| Cooling Power Input (Min-Rated-Max, kW) | 0.70 ~ 1.92 ~ 3.20 |
| Heating Power Input (Min-Rated-Max,kW) | 0.75 ~ 2.26 ~ 2.80 |

### Piping:

| | |
|---|---|
| Liquid Line (in, OD) | 3/8 |
| Vapor Line (in, OD) | 5/8 |
| Additional Refrigerant (oz/ft) | 0.43 |
| Max Pipe Length (ft)[2] | 164 |
| Pipe Length (no add'l Refrigerant, ft) | 24.6 |
| Max Elevation (ft) | 98.4 |

### Features:

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

### Included Accessories:

- •Simple Controller with Mode (White) - PQRCVCL0QW

### Optional Accessories:

- ☐ PI-485 - PMNFP14A1
- ☐ LG MultiSITE™ CRC1 Controller - PREMTBVC0
- ☐ Wireless Remote Controller - PQWRHQ0FDB
- ☐ Wall Mounted Temperature Sensor - PQRSTA0
- ☐ Base Pan Heater for ODU - PQSH1200
- ☐ Low Ambient Wind Baffle (cooling operation to -4°) - ZLABGP04A[10]
- ☐ Electric Heater 3kW - ANEH033B1[11]
- ☐ Downflow Conversion Kit - PNDFJ0

### 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) | 4.85 |
| ODU Sound Pressure Max (Cool/Heat) ±3 dB(A)[3] | 48/52 |
| IDU Sound Pressure (H/M/L) ±3 dB(A)[3] | 43/42/41 |
| ODU Net Weight (lbs) | 129 |
| ODU Shipping Weight (lbs) | 141 |
| IDU Net Weight (lbs) | 129 |
| IDU Shipping Weight (lbs) | 140 |

### Fan:

| | |
|---|---|
| ODU/IDU Fan Type | Propeller/Sirocco |
| Fan Speeds (Fan/Cooling/Heating) | 3/3/3 |
| Fan Quantity (ODU + IDU) | 1 + 1 |
| Motor/Drive | Brushless Digitally Controlled / Direct |
| ODU Air Circulation (CFM) | 2048 |
| IDU Air Circulation H/M/L (CFM) | 710 / 640 / 480 |
| Default External Static Pressure (in wg) | 0.3 |
| Minimum ESP/Fan Setting Value[4] | 0.1/51 |
| Maximum ESP/Fan Setting Value[4] | 0.7/97 |
| Dehumidification Rate (pts/hr) | 2.5 |

### 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. 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. Power wiring cable size must comply with the applicable local and national code.
7. The indoor unit comes with a dry helium charge.
8. 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.
9. Must follow installation instructions in the applicable LG installation manual.
10. If the optional low ambient wind baffle (ZLABGP04A) is used, one wind baffle is required for each ODU fan.
11. Electric heater accessory available in 3kW, 5kW, 8kW, 10kW, 15kW, and 20kW capacities. Refer to the engineering manual for details.

Inverter

Intertek

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

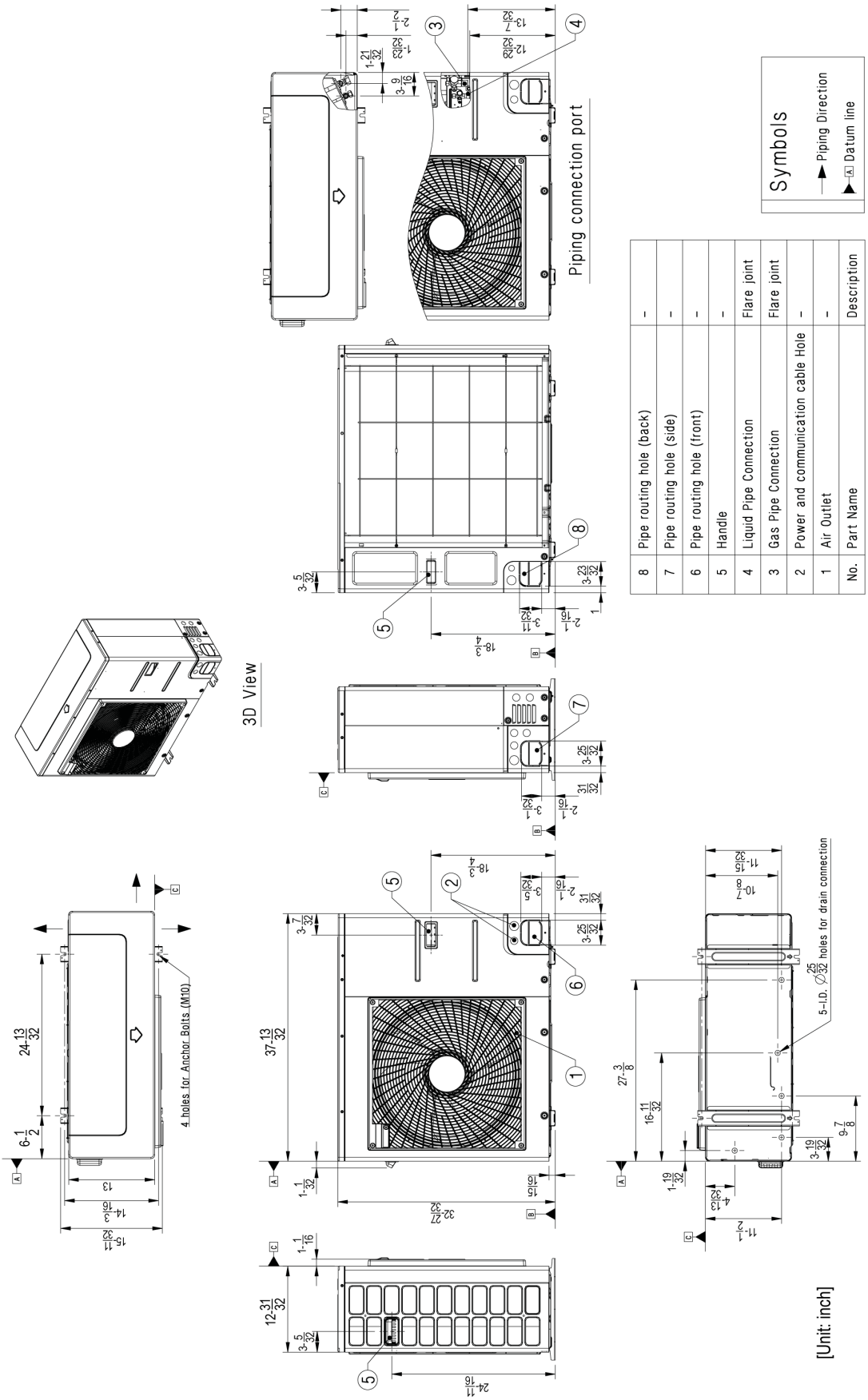
For continual product development, LG reserves the right to change specifications without notice.

# LUU248HV
## Single Zone Vertical Air Handler Unit

**Tag #:**

Date:

PO No.:




| No. | Part Name | Description |
|---|---|---|
| 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 | - |

Job Name/Location:

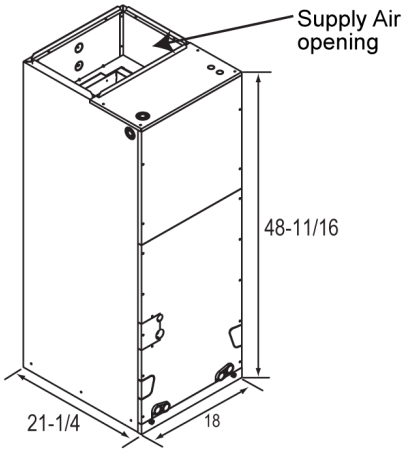
# LVN240HV4

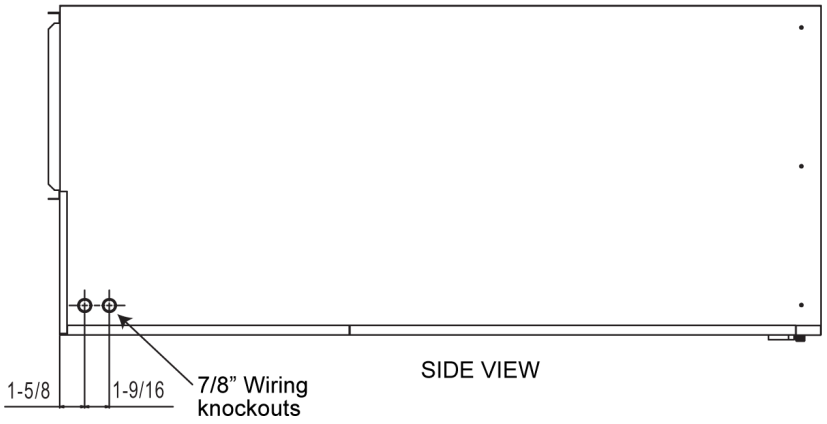
Single Zone Vertical Air Handler Unit

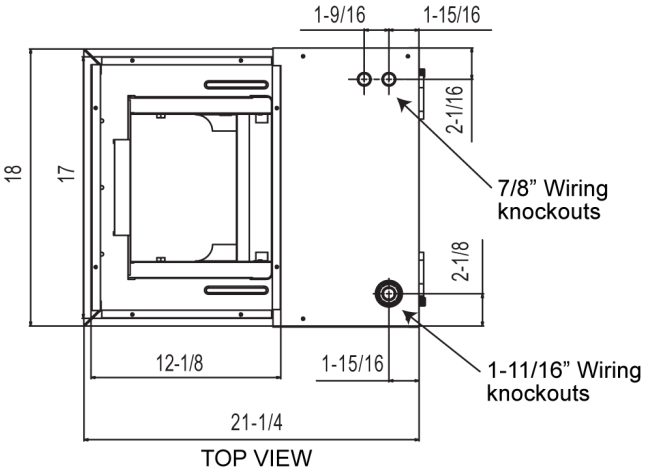
**Tag #:**

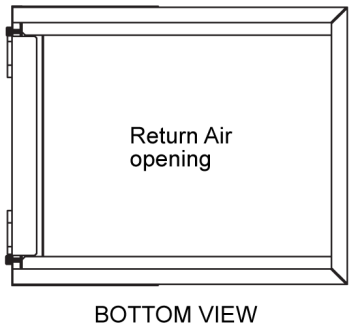
Date:

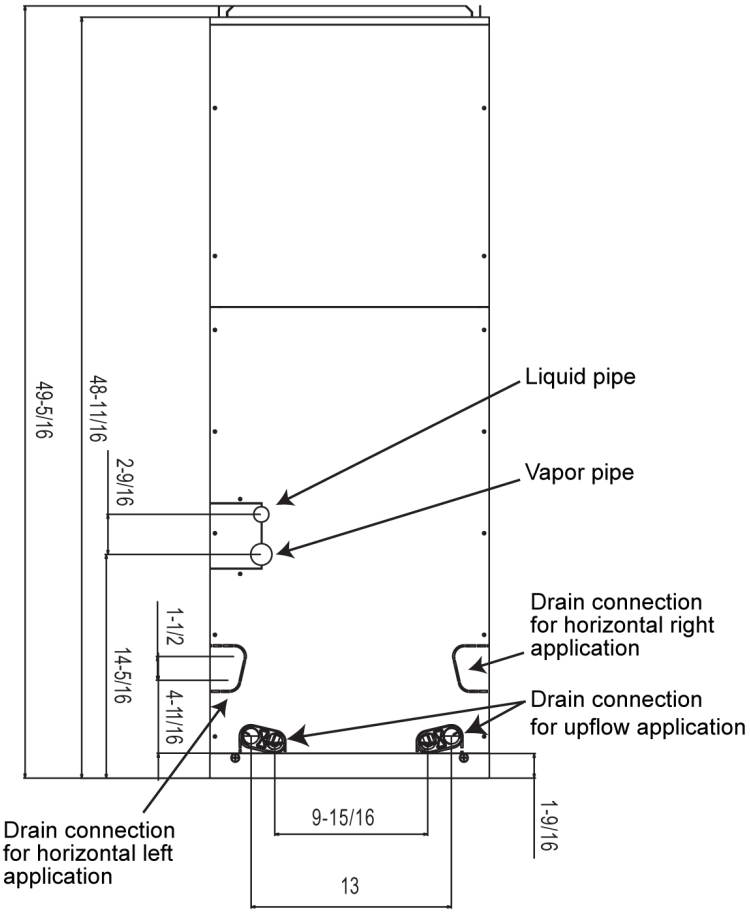
PO No.:




Unit: inches

Note: All measurements have a tolerance of ±1/4 in.