Job Name/Location: **Tag #:** LG DFS LUU488HV

Date: For: ☐ File ☐ Resubmit ☐ Approval ☐ Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:

(Company) (Project Manager)

LV480HV
Single Zone Vertical Air Handler Unit
Outdoor Unit (ODU) - LUU488HV Indoor Unit (IDU) - LVN480HV

LG Life's Good

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[1]/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
Min/Max Pipe Length (ft)[2]	6.6/246
Pipe Length (no add'l Refrigerant, ft)	24.6
Max Elevation (ft)	98.4

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

Optional Accessories:
- ☐ Simple Controller - PREMTC00U
- ☐ Wi-Fi Module - PWFMDD200
- ☐ LG MultiSITE™ CRC1 Controller - PREMTBVC0
- ☐ AC Smart 5 - PACS5A000
- ☐ ACP 5 - PACP5A000
- ☐ Base Pan Heater for ODU - PQSH1200
- ☐ Low Ambient Wind Baffle (cooling operation to -4°) - ZLABGP04A[10]
- ☐ Electric Heater 3kW - ANEH033B1[11]
- ☐ Downflow Conversion Kit - PNDFK0

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
External Static Pressure (ESP) Factory Default (in-wg)	0.3
Minimum ESP/Fan Setting Value[4]	0.1/77
Maximum ESP/Fan Setting Value[4]	0.5/100
Dehumidification Rate (pts/hr)	5.2

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. Fan setting value correlates to High speed air flow.
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.
12. Controller not included.

Inverter

C SA US

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

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Job Name/Location:

LUU488HV
Single Zone Vertical Air Handler Unit

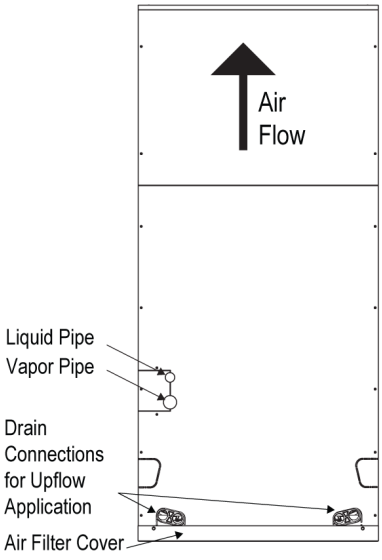
Tag #: LG DFS LUU488HV

Date:

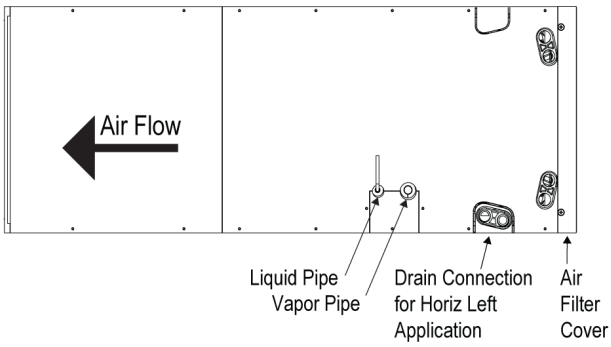
PO No.:

Factory Configurations

Vertical Upflow

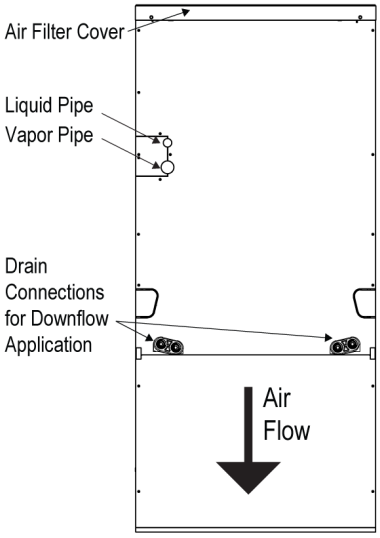


Horizontal Left



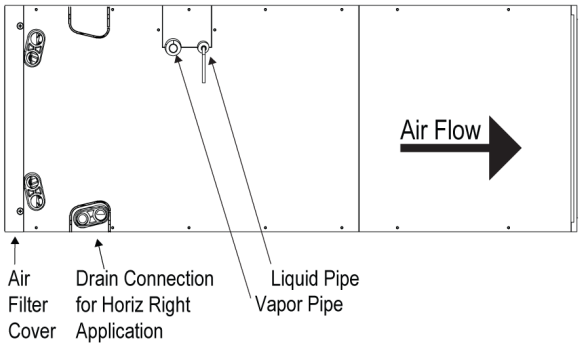
Field Configurations

Vertical Downflow



Requires vertical downflow kit

Horizontal Right



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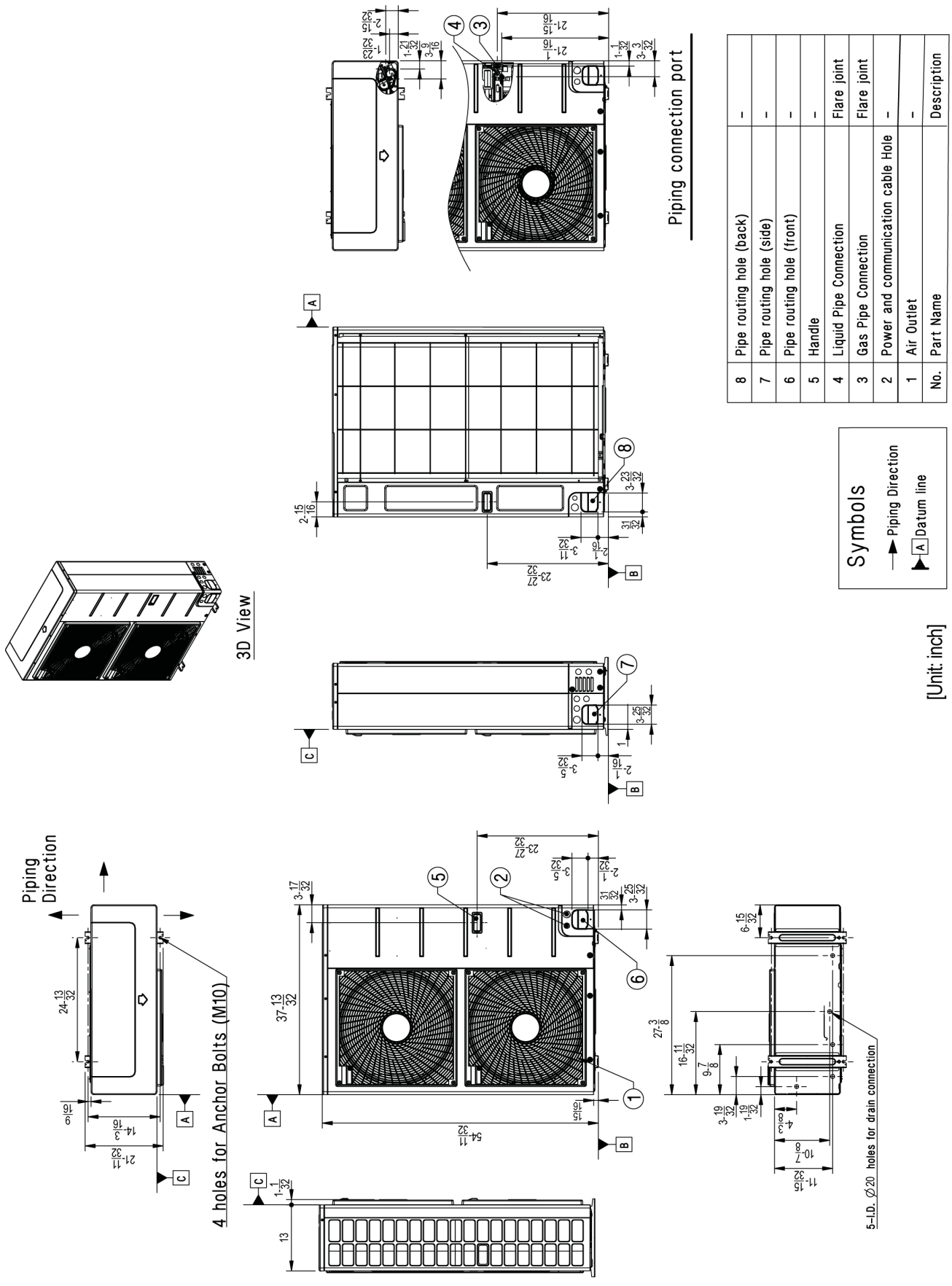

No.	Part Name	Description
8	Pipe routing hole (back)	–
7	Pipe routing hole (side)	–
6	Pipe routing hole (front)	–
5	Handle	–
4	Liquid Pipe Connection	Flare joint
3	Gas Pipe Connection	Flare joint
2	Power and communication cable Hole	–
1	Air Outlet	–

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LVN480HV
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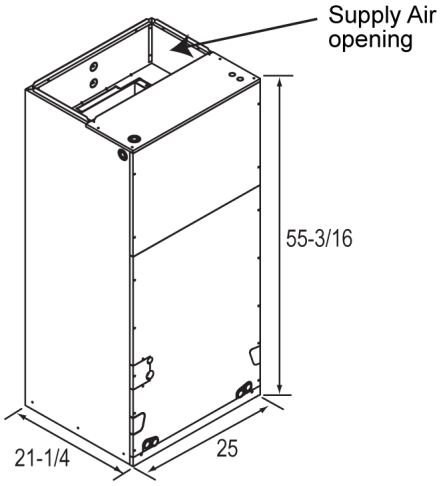
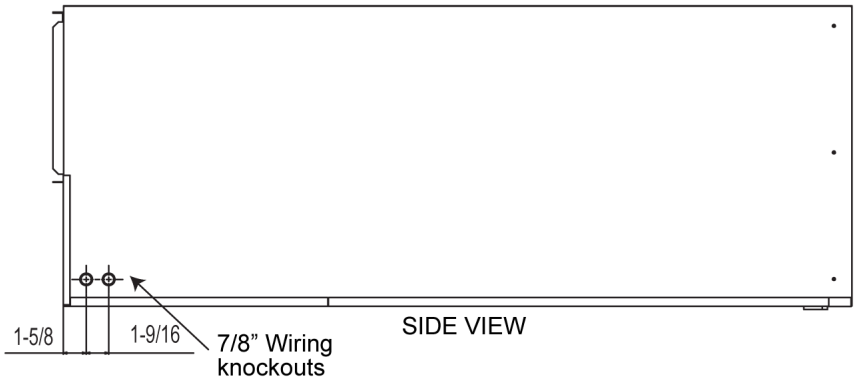
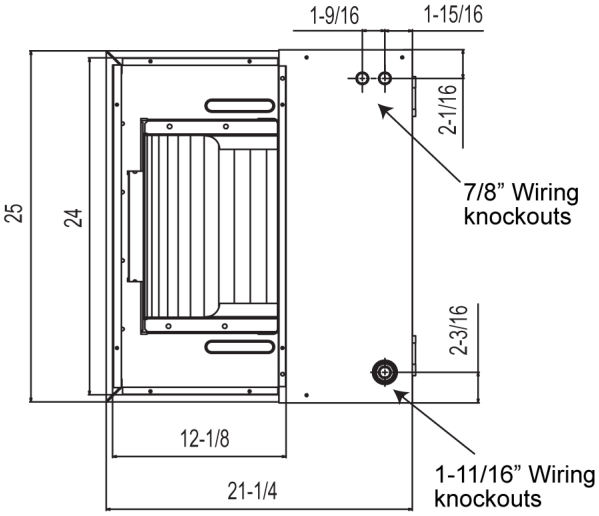
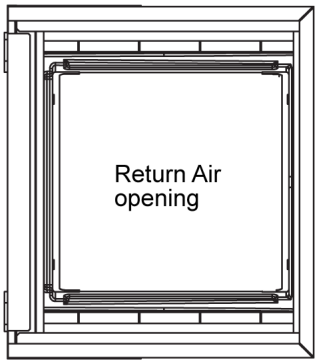


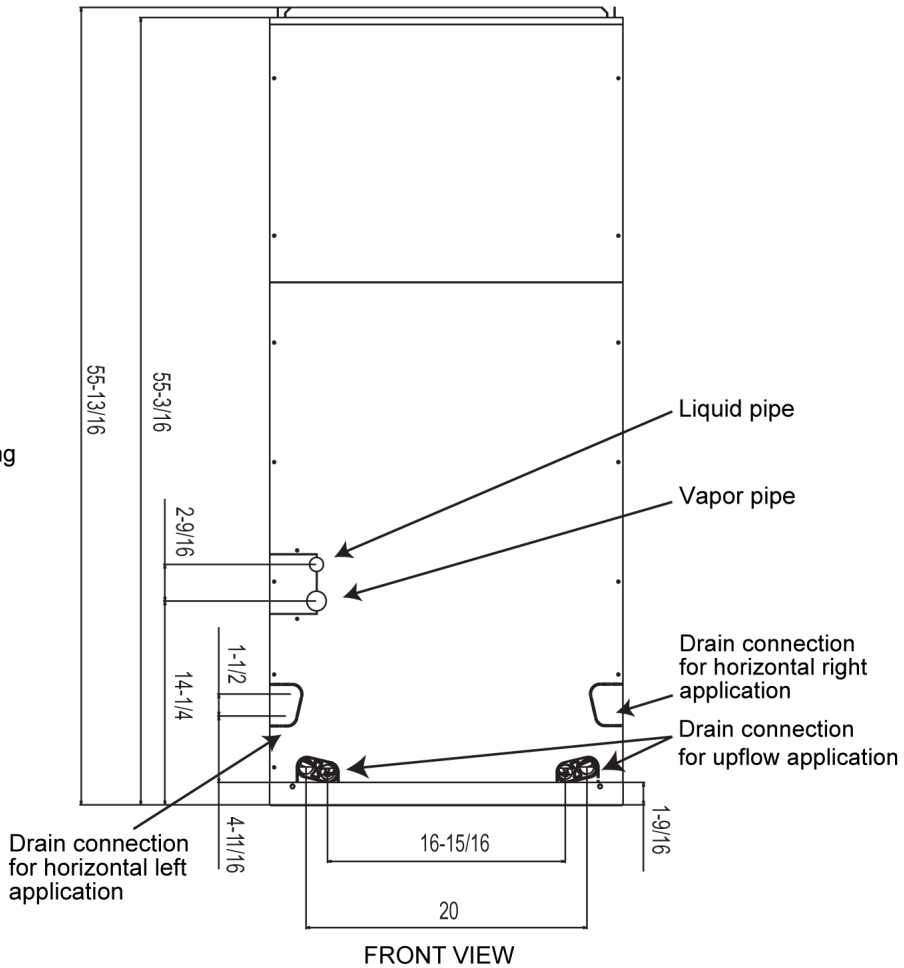






Unit: inches

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



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