Job Name/Location:

Tag No:

D		
Date:		
PO No.:		



GC: Architect:

For:

Mech:

(Project Manager)

File

Approval

Engr:

Rep: (Company)

LMU180HV

Multi F Inverter Heat Pump Outdoor Unit

Performance:

Cooling Capacity (MinRated-Max., Btu/h)		8,400~18,000	~21,600
Heating Capacity (MinRated-Max., Btu/h)		10,080~22,000	~25,000
Max. Heating Capacity at 5°F (Btu/h)			17,700
Max. Heating Capacity at 0°F (Btu/h)			16,100
Max. Heating Capacity at -4°F (Btu/h)			14,800
Cooling COP @95°F (Rated)			3.96
Heating COP @47°F (Rated)			3.60
Cooling Nominal Test Conditions:	Heating Nominal	Test Conditions:	
Indoor: 80°F DB / 67°F WB	Indoor: 70°F DB /	60°F WB	
Outdoor: 95°F DB / 75°F WB	Outdoor: 47°F DB	/ 43°F WB	

Outdoor: 47°F DB / 43°F WB

Electrical:

Power Supply (V/Hz/Ø) ¹	208-230V, 60, 1
MOP (A)	20
MCA (A)	15.8
Recommended Fuse Size (A)	20
Cooling Rated Amps (A)	6.0
Heating Rated Amps (A)	8.1
Compressor (A)	12.0
Fan Motor (A)	0.40
Locked Rotor Amps (A)	16.0

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Refrigerant Charge (lbs.)	3.97
Liquid Line Connection (in., O.D.)	1/4 x 2
Vapor Line Connection (in., O.D.)	3/8 x 2
Maximum Total Piping ² (ft.)	164
Min. / Max. ODU to IDU Piping (ft.)	10.0 / 82.0
Piping Length (no add'l refrigerant, ft.)	98.4
Maximum Elevation between ODU and IDU (ft.)	49.2
Maximum Elevation between IDU and IDU (ft.)	24.6

IDU = Indoor Unit

• Self diagnosis

• Soft start

ODU = Outdoor Unit

Features:

- Auto operation • Auto restart
- Inverter (variable speed
- compressor)
- Defrost / Deicing

Optional Accessories:

□ PI-485 - PMNFP14A1 AC Smart 5 - PACS5A000 □ ACP 5 - PACP5A000 □ Power Distribution Indicator (PDI)

Premium - PQNUD1S41

□ Mobile LGMV - PLGMVW100 Drain Pan Heater - PQSH1203 Low Ambient Kit (Cooling operation to -40°F) - PAG-HS0/PAG-HS1 + PQCA0 Without PQCA0 (baffles only) cooling operation to -4°F

• Restart delay (three [3] minutes)

Low ambient cooling down to 14°F







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

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Operating Range:

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Cooling (°F DB) ³	14 to 118
Heating (°F WB)	-4 to +64

Unit Data:

Resubmit

Other

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (Cool / Heat) ±1 dB(A) ⁵	49 / 54
Net / Shipping Weight (lbs.)	101 / 109.8
Heat Exchanger Coating	Gold Fin™
Minimum No. of Indoor Units	2
Maximum No. of Indoor Units	2

Compressor:

Туре	Twin Rotary
Quantity	1
Oil / Type	FVC68D

Fan

ran.	
Туре	Propeller
Quantity	1
Motor / Drive	Brushless Digitally Controlled/Direct
Max. Airflow Rate (CFM)	1,766

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 AWG, 4-conductor, stranded, shielded or unshielded wire, and must comply with applicable local and national codes. If shielded, the wire must be grounded to the chassis at the outdoor unit only.

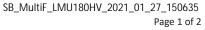
5. Power wiring size must comply with the applicable local and national codes.

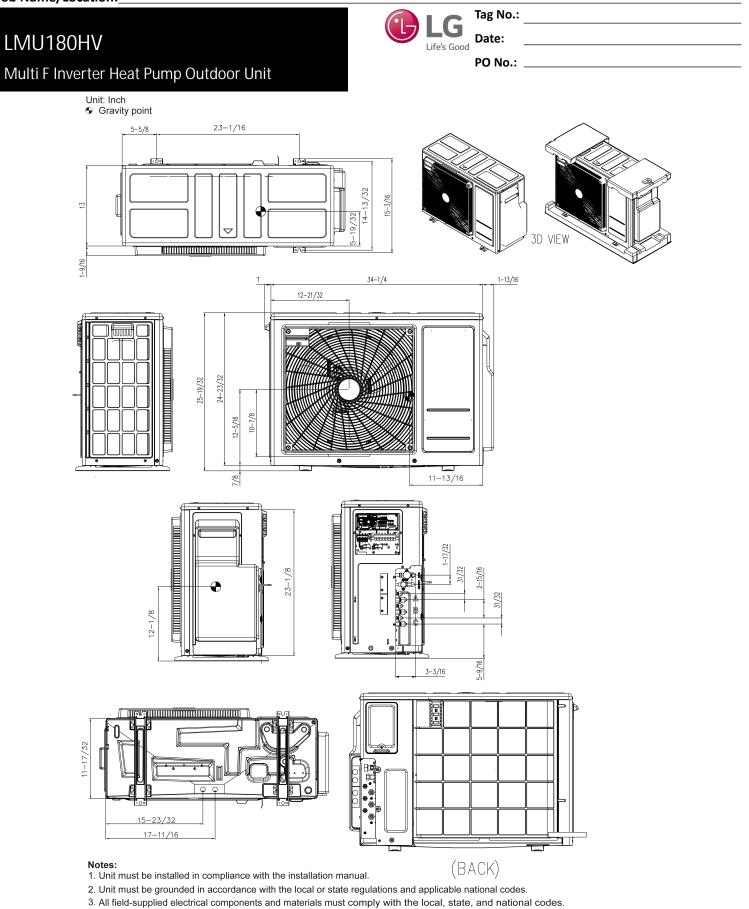
6. This data is rated 0 ft. above sea level, with 25 ft. of refrigerant line, and 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 - 105%.

7. Must follow installation instructions in the applicable LG installation manual.

8. Refer to the Combination Data Manual for combination capacity tables.

9. See the Performance Data Manual for sensible and latent capacities.





- All field-supplied electrical components and materials must comply with the local, state, and national codes.
 Electrical characteristics must be considered for electrical work and design. The capacity of power cable and circuit here for the supplication and the supplication of the superscript supplication.
- breaker for the outdoor unit must follow local, state, national, and manufacturer requirements.
- For LMU180HV Unit, ports A and B are available.
 For LMU240HV Unit, ports A, B, and C are available.

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