# Job Name/Location:

Tag No:

Date:	For
PO No.:	



#### GC: Architect:

Engr:

Rep: (Company)

# LMU240HV

# Multi F Inverter Heat Pump Outdoor Unit

### **Performance:**

Cooling Capacity (MinRated-Max., Btu/h)		,400~23,600~2	5,000
Heating Capacity (MinRated-Max., Btu/h)		,080~24,600~2	9,000
Max. Heating Capacity at 5°F (Btu/h)		1	8,000
Max. Heating Capacity at 0°F (Btu/h)		1	6,200
Max. Heating Capacity at -4°F (Btu/h)		1	4,800
Cooling COP @95°F (Rated)			3.96
Heating COP @47°F (Rated)			4.20
Cooling Nominal Test Conditions:	Heating Nominal Tes	t 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 / 4	3°F WB	

Outdoor: 47°F DB / 43°F WB

#### **Electrical:**

Power Supply (V/Hz/Ø) <sup>1</sup>	208-230V, 60, 1
MOP (A)	20
MCA (A)	16.0
Recommended Fuse Size (A)	20
Cooling Rated Amps (A)	13.0
Heating Rated Amps (A)	13.0
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 (Ibs.)	3.97
Liquid Line Connection (in., O.D.)	1/4 x 3
Vapor Line Connection (in., O.D.)	3/8 x 3
Maximum Total Piping <sup>2</sup> (ft.)	230.0
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

ODU = Outdoor Unit

## Features:

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

# **Optional Accessories:**

□ PI-485 - PMNFP14A1 □ MultiSITE Comm. Mgr. -**PBACNBTROA** AC Smart 5 - PACS5A000 □ ACP 5 - PACP5A000 □ Power Distribution Indicator (PDI) • Restart delay (three [3] minutes)

- Self diagnosis
- Soft start

IDU = Indoor Unit

Low ambient cooling down to 14°F

Premium - PQNUD1S41 □ Mobile LGMV - PLGMVW100 Drain Pan Heater - PQSH1203 □Low Ambient Baffle Kit (Cooling operation to -4°F) - ZLABGP03A



Resubmit

Other

File

Mech:

(Project Manager)

Approval

# **Operating Range:**

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

### Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (Cool / Heat) ±1 dB(A) <sup>5</sup>	50 / 54
Net / Shipping Weight (lbs.)	101.4 / 110.2
Heat Exchanger Coating	Gold Fin™
Minimum No. of Indoor Units	2
Maximum No. of Indoor Units	3

#### **Compressor:**

Туре	Twin Rotary
Quantity	1
Oil / Type	FVC68D

#### Fan

1 all.	
Type Quantity	Propeller
	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.





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

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- 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 broacter for the supplementation must be considered for electrical and moniform requirementation.
- 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.
- 6. For LMU240HV Unit, ports A, B, and C are available.

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