Job Name/Location: Tag No:

For: File Resubmit Date: **Approval** Other PO No.:

GC: **Architect:** 

Mech: Engr:

Rep:

(Project Manager)

# LMU240HV

## Multi F Inverter Heat Pump Outdoor Unit

#### Performance:

Cooling Capacity (MinRated-Max., Btu/h)	8,400~23,600~25,000
Heating Capacity (MinRated-Max., Btu/h)	10,080~24,600~29,000
Max. Heating Capacity at 5°F (Btu/h)	18,000
Max. Heating Capacity at 0°F (Btu/h)	16,200
Max. Heating Capacity at -4°F (Btu/h)	14,800
Cooling COP @95°F (Rated)	3.96
Heating COP @47°F (Rated)	4.20

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

#### **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 (lbs.)	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 IDU = Indoor Unit

#### Features:

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

- Soft start
- Low ambient cooling down to 14°F
- Restart delay (three [3] minutes)
- Self diagnosis

# **Optional Accessories:**

- ☐ PI-485 PMNFP14A1 ☐ MultiSITE Comm. Mgr. -PBACNBTR0A
- ☐ AC Smart 5 PACS5A000 ☐ ACP 5 - PACP5A000
- ☐ Power Distribution Indicator (PDI)
- Premium PQNUD1S41 ☐ Mobile LGMV - PLGMVW100 ☐ Drain Pan Heater - PQSH1203 □Low Ambient Baffle Kit (Cooling operation to -4°F) - ZLABGP03A





#### **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
Quai	ntity	1
Oil /	Туре	FVC68D

#### Fan:

Type Quantity	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
- 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
- 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 Combintion Data Manual for combination capacity tables.
- 9. See the Performance Data Manual for sensible and latent capacities.









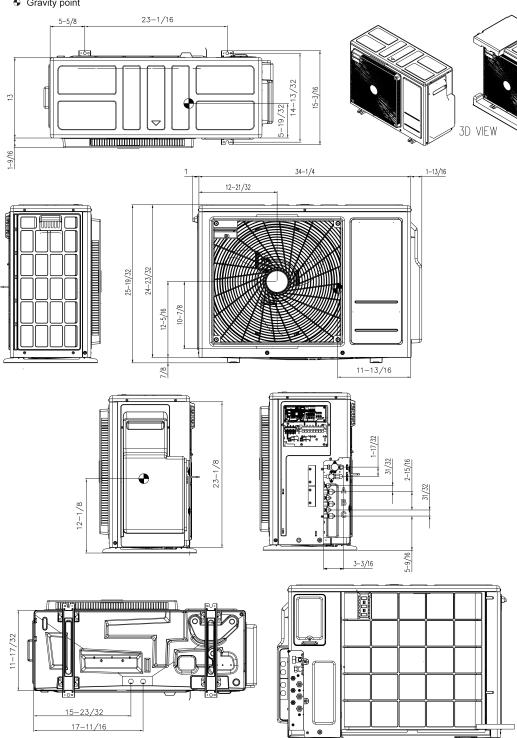
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# Multi F Inverter Heat Pump Outdoor Unit





- 1. Unit must be installed in compliance with the installation manual.
- 2. Unit must be grounded in accordance with the local or state regulations and applicable national codes.
- 3. All field-supplied electrical components and materials must comply with the local, state, and national codes.
- 4. Electrical characteristics must be considered for electrical work and design. The capacity of power cable and circuit breaker for the outdoor unit must follow local, state, national, and manufacturer requirements

(BACK)

- 5. For LMU180HV Unit, ports A and B are available.
- 6. For LMU240HV Unit, ports A, B, and C are available.