Job Name/Location: Date: For: File Resubmit PO No.: Approval Other\_ GC: Architect: Mech: Engr: Rep: (Company) (Project Manager)





## LMVN240HV

Multi F Vertical/Horizontal Air Handling Unit 24,000 Btu/h Indoor Unit

### Performance:

Nominal Cooling Capacity (Btu/h) 24,000 Nominal Heating Capacity (Btu/h) 27,000

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 (V¹/Hz/Ø)	208-230/60/1
Rated Amps (A)	0.59

#### Piping:

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	1/2
Drain OD, ID (in)	3/4 FPT
Temperature Sensor	Thermistor

### **Features:**

•ESP control •Inverter (variable speed fan)

 Group control Hot start Auto restart Sleep mode •Child lock Timer (on/off)

#### **Included Accessories:**

•Simple Controller with Mode (White) AKB72955816

## **Optional Accessories (sold separately**

- LG Programmable Thermostat PREMTB10U
- Wireless Handheld Remote Controller PQWRHQ0FDB
- AC Smart Premium PQCSW421E0A
- ACP Premium PQCPC22A1
- ACP Standard PQCPC22N1
- LonWorks Gateway PQNFB16A1
- BACnet Gateway PQNFB17C1
- AC Ez PQCSZ250S0
- Dry Contact Unit Dry Contact Unit (1 contact, 24 VAC external power) PQDSB1
- Dry Contact Unit Dry Contact Unit (2 input, power from indoor unit) PQDSBC
- Dry Contact for third party thermostat PQDSBNGCM1
- Remote Temperature Sensor PQRSTA0
- 5 kW Electric Heater ANEH053B1
- 10 kW Electric Heater ANEH103B2

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

## **Entering Mixed Air:**

Tag #:

Cooling (°F WB)	57-77
Heating (°F DB)	59-81

#### **Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure <sup>3</sup> H/M/L (±3 dB(A))	43/42/41
Net Unit Weight (lbs)	117
Shipping Weight (lbs)	140

#### Fan:

Туре		Sirocco
Quantity		1
Motor/Drive	Brushless Digitally Co	ontrolled/Direct
Airflow Rate H/M/L (C	FM)	710/640/480
External Static Pressur	e <sup>4 5</sup> (in wg)	0.5
Minimum External Static Pressure <sup>6</sup>		0.1
Maximum External	Static Pressure <sup>6</sup>	1.0

#### Standard Features:

- Access Panel for Field Supplied Air Filter
  - (16 x 20 x 1 inch)

## Notes:

- 1.Acceptable operating voltage: 187V-253V
- 2.Requires an LG wired thermostat.
- 3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
- 4.Adjust fan speed to correct for static pressure increases when using field supplied air filter.
- 5.At factory fan speed setting. 6.Air flow rate (CFM) at high speed.
- 7. See Engineering Manual for sensible and latent capacities.
- 8.All power/communication cable to be minimum 18 AWG, 4-conductor, stranded, shielded
- and must comply with applicable local and national code.
- 9. Power wiring cable size must comply with the applicable local and national codes.
- 10. This unit comes with a dry helium charge.
- 11.Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 - 105%
- 12. Must follow installation instructions in the applicable LG installation manual.







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