



Benefits of Multi F Systems

- Individual zone control
- Maximum flexibility
- Operating ranges of 14°F to 118°F (DB) in cooling and 0°F to 64°F(WB) in heating
- Quiet and comfortable environment
- Safer and easier installation with reduced ductwork
- Cost efficient
- Lightweight and compact system components



About LG Electronics, Inc.

LG Electronics, Inc. is a global leader and technology innovator in consumer electronics, mobile communications, and home appliances, employing more than 213,000 people in more than 60 countries worldwide. LG's commercial air conditioning business unit was established in 1968, and offers VRF, Multi F, duct-free split systems, packaged terminal air conditioners (PTACs), and room air conditioners.

With LG, it's all possible.™

Vertical-Horizontal Air Handling

Multi-Zone System Indoor Unit

Multi F multi-zone comfort solutions are air-conditioning systems that “split” into indoor and outdoor units, providing a smart alternative to both central HVAC and window-mounted air conditioners. These Inverter heat pump systems are available in a variety of configurations to suit different cooling and heating situations.

Multi F Vertical-Horizontal Air Handling Units

LG's Multi F Vertical-Horizontal Air Handling units are designed for high-speed air volume against an external static pressure up to 1.00" WG.

These units are installed fully concealed behind a wall or above a finished ceiling, and can operate either in a vertical (upflow) or horizontal (left) discharge configuration. Casing is manufactured of 22-gauge pre-coated metal with a high-gloss baked enamel finish. Vertical-Horizontal Air Handling units can accept an internal LG electrical strip heater (sold separately). An integral rack, accessible from the front, holds a field-supplied 16" x 20" x 1" filter cartridge. Each Vertical-Horizontal Air Handling unit includes its own LG-supplied wired controller.



MULTI F

Flexible Comfort

Choose from Low, Med, High, and Auto settings for Cooling mode; and Low, Med, High, and Auto settings for Heating mode. Each of the settings can be field-adjusted from the factory setting (RPM / ESP). The Auto setting adjusts the fan speed based on the difference between the controller setting and the room temperature.

Quality Commitment

LG is committed to the success of air-conditioning projects. We provide technical support during installation, and offer a variety of classes designed for installers and service providers. Classes are conducted at LG's training centers and in field locations at various times throughout the year and upon special request.

Vertical-Horizontal Multi F System Air Handling Unit

LMVN240HV

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

LMVN360HV

36,000 Btu/h Nominal Heating Capacity
40,000 Btu/h Nominal Heating Capacity



LMVN240-360HV

Features

- Inverter (Variable speed fan)
- Control lock function
- Dehumidification function
- Two thermistor control
- External static pressure control
- Auto operation
- Auto restart operation
- Self-diagnostics function
- Includes wired controller
- Accepts an internal LG electrical strip heater (sold separately)

Warranty: Five (5) years parts.

| Model Number | LMVN240HV | LMVN360HV |
|--|---|---|
| Nominal Cooling Capacity (Btu/h) | 24,000 | 36,000 |
| Nominal Heating Capacity (Btu/h) | 27,000 | 40,000 |
| Fan | | |
| Type | Sircocco | Sircocco |
| Motor Output (W) x Qty. | 96 x 1 | 182 x 1 |
| Motor/Drive | Brushless Digitally Controlled / Direct | Brushless Digitally Controlled / Direct |
| Airflow Rate (H/M/L) at 0.3"WG ESP (CFM) | 710 / 640 / 480 | 990 / 880 / 800 |
| Airflow Rate (H/M/L) at 0.5"WG ESP (CFM) | 710 / 640 / 480 | 990 / 880 / 800 |
| Unit Data | | |
| Refrigerant Type / Control | R410A / EEV | R410A / EEV |
| Power Supply (Phase / V / Hz) | 1 / 208-230 / 60 | 1 / 208-230 / 60 |
| Rated Amps (A) | 0.59 | 1.12 |
| Sound Pressure Level ± 3 dB(A) (H/M/L) at 0.3"WG (CFM) | 43 / 42 / 41 | 45 / 44 / 43 |
| Dimensions (W x H x D, in.) | 18 x 48-5/8 x 21-1/4 | 18 x 48-5/8 x 21-1/4 |
| Net Unit Weight (lbs.) | 117 | 121 |
| Shipping Weight (lbs.) | 130 | 135 |
| Power Wiring / Communications Cable (No. x AWG) | 4 x 18 | 4 x 18 |
| Heat Exchanger (Row x Column x Fin / inch) x Number | (2 x 24 x 18) x 2 | (3 x 24 x 18) x 2 |
| Piping | | |
| Liquid (in.) | 1/4 | 3/8 |
| Vapor (in.) | 1/2 | 5/8 |
| Primary Drain I.D. (in.) | 3/4 FPT | 3/4 FPT |
| Secondary Drain I.D. (in.) | 3/4 FPT | 3/4 FPT |