



### 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 precoated 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.

# Art Cool™ 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 $\pm 3$ 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