



LG home comfort  
solutions you never  
thought possible



# LG Duct-Free Split Systems Product Overview





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# LG ELECTRONICS AIR CONDITIONING AND ENERGY SOLUTIONS COMPANY

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FROM DFS SYSTEMS AND HOME APPLIANCES TO MOBILE PHONES AND COMPUTER ACCESSORIES, LG ELECTRONICS GIVE YOU WHAT YOU NEED TO BE PLUGGED IN, CONNECTED, AND IN CONTROL.

LG Electronics Air Conditioning and Energy Solutions (LG AE) is a total heating, ventilation and air conditioning (HVAC) and energy solution company, providing a full lineup of products including Residential Air Conditioning (RAC), Commercial Air Conditioning (CAC), and Building Management Systems (BMS) in markets around the world. Based on technological leadership and a commitment to environmental responsibility, LG AE designs and manufactures some of the most advanced, energy efficient products available. Through innovation and deep investments in effective marketing strategies, LG AE has evolved into a total solution provider.





**Residential  
Systems**



**Commercial  
Systems**



# DUCT-FREE SYSTEMS : A NEW WAY TO THINK ABOUT AIR CONDITIONING

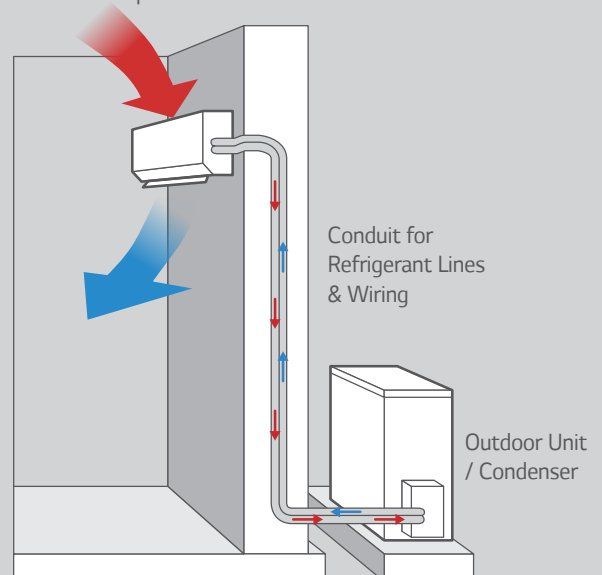
For truly customized comfort in all rooms, consider an LG Duct-Free Split (DFS) system.

LG DFS systems make it easier to provide customized cooling and heating—no more bulky window units and no need to tear down walls. LG DFS systems are THE smart alternative to traditional air conditioning.

## HOW IT WORKS

A Duct-Free Split system is simply a reconfiguration of a traditional central air conditioner, consisting of an outdoor inverter-driven compressor / condenser unit, one or more indoor evaporator units, and a compact conduit for refrigerant piping and wiring. Instead of using one indoor evaporator coil / air handler to move cooled or heated air through ductwork as central air conditioners do, the indoor evaporator units are installed directly in each zone. Because the indoor units deliver conditioned air directly into the zone, the need for complicated ductwork is removed, and energy losses from air traveling through ductwork are reduced. And because each indoor unit has its own thermostat and controller, temperatures can be customized for each zone.

Indoor Unit / Evaporator





### ROOM BY ROOM CONTROL

LG DFS systems provide more consistent temperatures, and offer smart solutions for cooling and heating to single rooms and additions. With individual controllers for each indoor unit, better room by room control can be achieved.



### QUIET & EFFICIENT TECHNOLOGY

Inverter technology allows the system to “coast,” therefore, minimal energy is used. Energy-efficient Inverters also offer personalized comfort, and operate quietly and efficiently.



### IMPROVED AIR QUALITY

3M™ Micro protection filters reduce dust and microscopic particles including pollen, pet dander and odors.



### INSTALLATION

Make your space more comfortable with quick and easy installation of LG air conditioning systems.

### APPLICATIONS MAY INCLUDE...

Older Homes • Sunrooms and Additions • New Home Construction • Office Buildings • Restaurants  
Hospitals / Medical Facilities • Houses of Worship • Retail Establishments • Nursing Homes • Schools

# KEY FEATURES : COMFORT SOLUTIONS



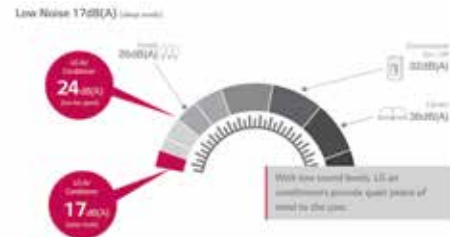
## PRECISE TEMPERATURE CONTROL

LG's revolutionary Inverter technology boasts a powerful, yet, quiet performance, while minimizing energy consumption. With world-class energy efficiency and a controller for every indoor unit, enjoy comfortable surroundings while saving energy.



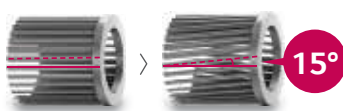
## QUIET OPERATION

LG DFS systems operate at low sound levels, thanks to LG's unique low vibration compressor, skew fan and brushless direct current (BLDC) motor technology that eliminates unnecessary noise and allow for smooth operation.



### Skew Fan

By minimizing the surface pressure of the fan blade in contact with air, interference and peak noise are reduced to a level that is among the lowest in the world.

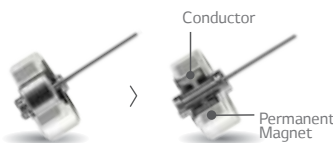


Conventional

Skew Fan

### BLDC Fan Motor

With strong torque and powerful magnetism inside the rotor, the BLDC motor provides large air volume and high static pressure.



AC Motor

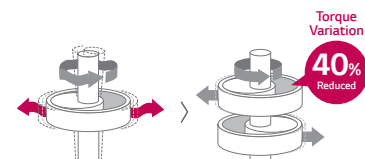
BLDC Motor

- Low efficiency
- Overhaul heat problem
- Difficult precise speed control

- Low electrical and mechanical sound
- Precise speed control
- Durable

### Low Vibration Compressor

The design of a twin rotary compressor helps to reduce vibration. A twin rotary compressor also applies a double cam to reduce torque variation—a reduction of more than 40% when compared to a single rotary compressor.



Single Rotary

Twin Rotary

The balanced stability of twin rotary compressor keeps the vibration to a minimum.





## IMPROVED AIR QUALITY

The filtration system of an LG DFS system is unique in design and certified by world-renowned institutes. It works as an invisible grid that provides clean and reliable air to the homeowner.

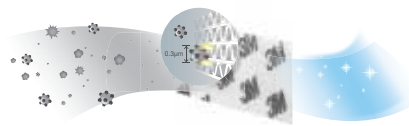
### Self-Cleaning Indoor Coil

Indoor unit self-cleans the heat exchanger, maintaining the interior and eliminating unwanted mold and odors.



### MiCRO Dust Filter Powered by 3M Tech

3M™ Micro Protection Filter, a high air flow filter, collects microscopic substances like pollen and fine dust.



### LG's Standard Air Filter

The first filter that captures dust particles more than 10µm in size.

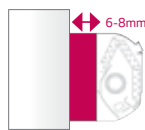


## EASY INSTALLATION

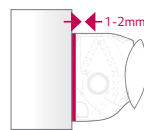
LG DFS systems are designed for easier and more efficient installation, regardless of the surroundings. By reducing the number of contractors and time required, it is now possible to install a DFS system in a shorter amount of time.

### Perfect Finish

The extra deep frame on some indoor units is large enough to completely enclose the piping assembly and wiring, allowing for a cleaner appearance.



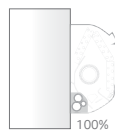
Conventional



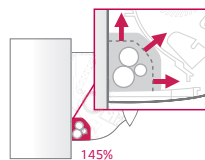
LG

### Wider Piping Connection Space

The space provided for the piping connections is larger than some competitors, which facilitates the whole installation process.



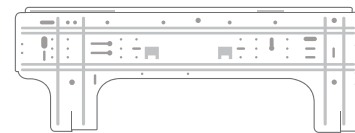
Conventional



LG

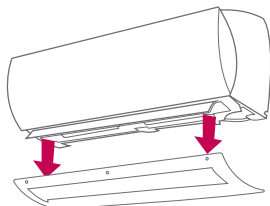
### Improved Installation Plates

LG's updated installation plate for some indoor units is larger and is designed to reduce installation time.



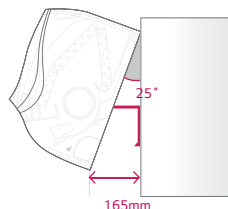
### Detachable Bottom Cover

On most LG wall-mounted indoor units, The bottom cover is detachable, making installation and maintenance easier.



### Installation Support Clip

Support clips ensures adequate space between wall and unit for easier installation.



# KEY FEATURES



## STYLISH DESIGN

### Attractive, Customizable Indoor Units

Art Cool™ indoor units offer many options that compliment any decor. Art Cool™ Gallery includes a panel that works like a picture frame—any art or photograph can be displayed. Other Art Cool™ indoor units are available in styles and finishes that suit any room.



## OPTIMIZED AIR FLOW

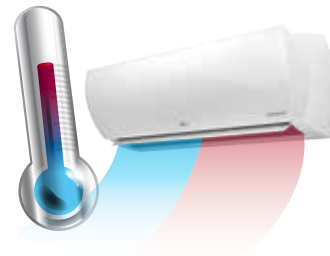
### Jet Cool / Jet Heat

#### Jet Cool

Operates at a high speed for up to 30 minutes to quickly cool a room.

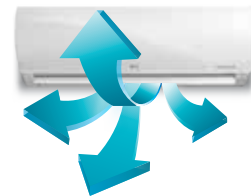
#### Jet Heat

Operates at a high speed for up to 30 minutes to quickly heat a room.



### Swirl Wind

Four-way controlled louvers and fan speeds create a stronger, wider air flow and reduce temperature stratification.



### Auto Operation

Provides three levels of comfort from which to choose. Temperature and fan speed is set automatically.



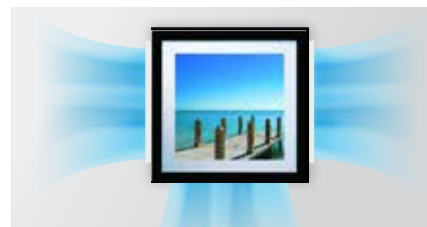
### Chaos Wind

Chaos wind controls air direction and air speed in three steps—fast, slow and stop—to provide a more natural air circulation.



### Art Cool™ Gallery 3D Air Flow

Three-directional air flow creates a more natural air circulation.





## DEHUMIDIFYING MODE

Sensors in the indoor unit accurately measure room temperature and control humidity by adjusting the set point and fan speed.



## DEFROST CONTROL

Shuts down the indoor fan to prevent cold air from being blown into the space. Removes frost from outdoor coil when the outdoor temperature is low.



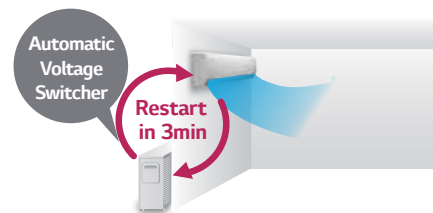
## AUTO SLEEP MODE

Automatically increases the temperature setting 2° F twice in 30 minute increments. The indoor unit shuts off when the timer setting is reached.



## AUTO RESTART

Automatically restarts the system after a power failure.



## GOLD FIN™

The Gold Fin™ coating protects the surface of the heat exchanger from corrosion and unnecessary wear.





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## DUCT-FREE SPLIT : SINGLE ZONE

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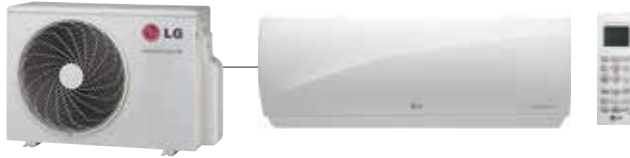
There's no need to compromise when it comes to comfort.

LG Duct-Free Split (DFS) single-zone Inverter systems provide a smart alternative to both central HVAC and window-mounted air conditioners, and are available in a variety of configurations to suit different cooling and heating situations—zones in residential and small office buildings. Installation by a qualified HVAC contractor is safe and easy—little to no duct work or sheet metal is required.

DFS single-zone systems offer many styles of indoor units to enhance any decor, plus performance that lets you enjoy every room to the fullest. And they're available in a full range of capacities to perfectly match any size space, large or small. Whether you need cooling or heating, LG offers the perfect DFS performance package.

# Art Cool™ Premier

LG Art Cool™ Premier systems are among the industry's best products, offering one of the most complete systems, offering the user an edge with advanced control and design flexibility.



**9,000 BTU/h**

**LA090HYV (Heat Pump)**

- 9,000 BTU/h Cooling
- 11,000 BTU/h Heating

**12,000 BTU/h**

**LA120HYV (Heat Pump)**

- 12,000 BTU/h Cooling
- 13,600 BTU/h Heating



## SPECIFICATIONS

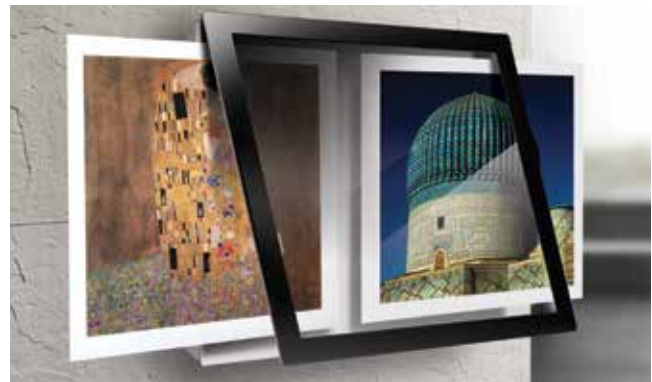
\* Specifications can be changed without notification

System Model	LA090HYV	LA120HYV
Indoor Model	LAN090HYV	LAN120HYV
Outdoor Model	LAU090HYV	LAU120HYV
<b>Performance</b>		
Rated Capacity (BTU/h)	● 9,000	● 12,000
	● 11,000	● 13,600
SEER	27.5	25.5
HSPF	11.8	11.5

Warranty: 5 years parts; 7 years compressor.

# Art Cool™ Gallery

This DFS system features a unique 20" x 20" indoor unit frame to display a photograph, picture, or artwork of your choice. Installation is simple—the indoor units mount securely on a vertical surface with screws.



**9,000 BTU/h**

**LA090HVP (Heat Pump)**

- 9,000 BTU/h Cooling
- 10,800 BTU/h Heating

**12,000 BTU/h**

**LA120HVP (Heat Pump)**

- 11,200 BTU/h Cooling
- 13,300 BTU/h Heating



## SPECIFICATIONS

\* Specifications can be changed without notification

System Model	LA090HVP	LA120HVP
Indoor Model	LAN090HVP	LAN120HVP
Outdoor Model	LAU090HVP	LAU120HVP
<b>Performance</b>		
Rated Capacity (BTU/h)	● 9,000	● 11,200
	● 10,800	● 13,300
SEER	16.0	16.0
HSPF	8.2	8.2

Warranty: 5 years parts; 7 years compressor.



# Art Cool™ Mirror

LG's Art Cool™ Mirror indoor units have a flat panel with a smoked charcoal mirror finish for a modern style. Choose from several operating settings in cooling or heating for customized comfort.



## 9,000 BTU/h

### LA090HSV2 (Heat Pump)

- Ⓒ 9,000 BTU/h Cooling
- Ⓗ 10,800 BTU/h Heating

## 12,000 BTU/h

### LA120HSV2 (Heat Pump)

- Ⓒ 11,200 BTU/h Cooling
- Ⓗ 13,300 BTU/h Heating

## 18,000 BTU/h

### LA180HSV2 (Heat Pump)

- Ⓒ 18,200 BTU/h Cooling
- Ⓗ 22,000 BTU/h Heating

## 24,000 BTU/h

### LA240HSV2 (Heat Pump)

- Ⓒ 22,000 BTUs Cooling
- Ⓗ 27,600 BTUs Heating



\* Specifications can be changed without notification  
Most Efficient 2014 and Energy Star do not apply to LA240HSV2

## SPECIFICATIONS

System Model	LA090HSV2	LA120HSV2	LA180HSV2	LA240HSV2
Indoor Model	LAN090HSV2	LAN120HSV2	LAN180HSV2	LAN240HSV2
Outdoor Model	LAU090HSV2	LAU120HSV2	LAU180HSV2	LAU240HSV2
<b>Performance</b>				
Rated Capacity (BTU/h)	Ⓒ 9,000	Ⓒ 11,200	Ⓒ 18,200	Ⓒ 22,000
	Ⓗ 10,800	Ⓗ 13,300	Ⓗ 22,000	Ⓗ 27,600
SEER	20.0	20.0	20.5	20.0
HSPF	11.0	11.0	9.7	10.0

Warranty: 5 years parts; 7 years compressor.

# High Efficiency Inverter

All systems in the Standard Inverter High Efficiency heat pump line (HSV3) achieve Energy Star qualifications, and are available in 3/4, 1, 1-1/2, and 2 ton capacities.



**9,000 BTU/h**

**LS091HSV3 (Heat Pump)**

- 9,000 BTU/h Cooling
- 10,800 BTU/h Heating

**12,000 BTU/h**

**LS121HSV3 (Heat Pump)**

- 11,200 BTU/h Cooling
- 13,300 BTU/h Heating

**18,000 BTU/h**

**LS181HSV3 (Heat Pump)**

- 18,200 BTU/h Cooling
- 22,000 BTU/h Heating



**24,000 BTU/h**

**LS240HSV3 (Heat Pump)**

- 22,000 BTU/h Cooling
- 27,600 BTU/h Heating



## SPECIFICATIONS

\* Specifications can be changed without notification

System Model	LS091HSV3	LS121HSV3	LS181HSV3	LS240HSV3
Indoor Model	LSN091HSV3	LSN121HSV3	LSN181HSV3	LSN240HSV3
Outdoor Model	LSU091HSV3	LSU121HSV3	LSU181HSV3	LSU240HSV3
<b>Performance</b>				
Rated Capacity (BTU/h)	● 9,000	● 11,200	● 18,200	● 22,000
	● 10,800	● 13,300	● 22,000	● 27,600
SEER	21.5	21.5	20.5	20.0
HSPF	11.0	11.0	9.7	10.2

Warranty: 5 years parts; 7 years compressor.

# Standard Inverter

The Standard Inverter product line (HV3) is available in configurations with 30,000 and 36,000 Btu/h capacities—enough capacity to comfortably condition large spaces.



**30,000 BTU/h**

**LS307HV3 (Heat Pump)**

- 30,000 BTU/h Cooling
- 32,000 BTU/h Heating

**36,000 BTU/h**

**LS360HV3 (Heat Pump)**

- 33,000 BTU/h Cooling
- 35,200 BTU/h Heating

## SPECIFICATIONS

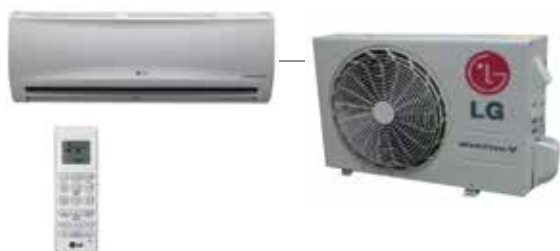
\* Specifications can be changed without notification

System Model	LS307HV3	LS360HV3
Indoor Model	LSN307HV3	LSN360HV3
Outdoor Model	LSU307HV3	LSU360HV3
<b>Performance</b>		
Rated Capacity (BTU/h)	● 30,000	● 33,000
	● 32,000	● 35,200
SEER	18.0	16.1
HSPF	9.5	9.9

Warranty: 5 years parts; 7 years compressor.

# Mega Wall-Mount

Mega Wall-Mount Split systems apply duct-free technology in a streamlined, low-profile design. Featuring an easier installation procedure and Inverter compressor technology, these systems are designed to save you time and money.



## 9,000 BTU/h

### LS090HEV (Heat Pump)

- Ⓒ 8,500 BTU/h Cooling
- Ⓗ 9,000 BTU/h Heating

## 12,000 BTU/h

### LS120HEV (Heat Pump)

- Ⓒ 12,000 BTU/h Cooling
- Ⓗ 12,000 BTU/h Heating

## 18,000 BTU/h

### LS180HEV (Heat Pump)

- Ⓒ 17,000 BTU/h Cooling
- Ⓗ 19,000 BTU/h Heating

## 24,000 BTU/h

### LS240HEV (Heat Pump)

- Ⓒ 22,000 BTU/h Cooling
- Ⓗ 22,000 BTU/h Heating

## SPECIFICATIONS

\* Specification can be changed without notification

System Model	LS090HEV	LS120HEV	LS180HEV	LS240HEV
Indoor Model	LSN090HEV	LSN120HEV	LSN180HEV	LSN240HEV
Outdoor Model	LSU090HEV	LSU120HEV	LSU180HEV	LSU240HEV
<b>Performance</b>				
Rated Capacity (BTU/h)	Ⓒ 8,500	Ⓒ 12,000	Ⓒ 17,000	Ⓒ 22,000
	Ⓗ 9,000	Ⓗ 12,000	Ⓗ 19,000	Ⓗ 22,000
SEER	16.3	16.3	17.0	17.0
HSPF	8.3	8.5	8.7	8.5

Warranty: 5 years parts; 7 years compressor

# Four-Way Ceiling Cassette

LG's Four-Way Ceiling Cassette systems offer customized comfort with many user-adjustable settings. The indoor unit case is ceiling recessed, while the off-white architectural grille (required; sold separately) is flush mounted. These systems are best suited for large, open spaces.



**18,000 BTU/h**

**LC187HV (Heat Pump)**

- 18,000 BTU/h Cooling
- 20,000 BTU/h Heating



**42,000 BTU/h**

**LC427HV (Heat Pump)**

- 42,000 BTU/h Cooling
- 47,000 BTU/h Heating

**24,000 BTU/h**

**LC247HV (Heat Pump)**

- 24,000 BTU/h Cooling
- 27,000 BTU/h Heating

**36,000 BTU/h**

**LC367HV (Heat Pump)**

- 36,000 BTU/h Cooling
- 40,000 BTU/h Heating

## SPECIFICATIONS

\* Specifications can be changed without notification

System Model	LC187HV	LC247HV	LC367HV	LC427HV
Indoor Model	LCN187HV	LCN247HV	LCN367HV	LCN427HV
Outdoor Model	LUU187HV	LUU247HV	LUU367HV	LUU427HV
<b>Performance</b>				
Rated Capacity (BTU/h)	● 18,000	● 24,000	● 36,000	● 42,000
	● 20,000	● 27,000	● 40,000	● 47,000
SEER	20.0	17.0	19.0	17.0
HSPF	10.1	9.7	9.5	8.6

Warranty: 5 years parts; 7 years compressor.

# Ceiling-Concealed Duct (High Static)

LG's High Static Ducted systems can be used in those spaces that require concealed installation. These systems are suited in light commercial applications or large, open spaces, and is a useful alternative when wall space is limited.



**24,000 BTU/h**

**LH247HV (Heat Pump)**

- 24,000 BTU/h Cooling
- 27,000 BTU/h Heating



**36,000 BTU/h**

**LH367HV (Heat Pump)**

- 36,000 BTU/h Cooling
- 40,000 BTU/h Heating

## SPECIFICATIONS

\* Specifications can be changed without notification

System Model	LH247HV	LH367HV
Indoor Model	LHN247HV	LHN367HV
Outdoor Model	LUU247HV	LUU367HV
<b>Performance</b>		
Rated Capacity (BTU/h)	● 24,000	● 36,000
	● 27,000	● 40,000
SEER	17.0	17.6
HSPF	10.0	9.2

Warranty: 5 years parts; 7 years compressor.





## DUCT-FREE SPLIT : MULTI ZONE OUTDOOR UNITS

The more rooms the better with Multi F systems! One LG's Multi F Inverter heat pump outdoor unit can support either two, three, four, or eight indoor units that are typically installed in separate spaces. Compact refrigerant pipes work in tandem with wiring to link the outdoor unit to all indoor units either directly, or through a branch distribution (BD) unit (Multi F MAX systems only).





# Outdoor Unit : Heat Pump Inverter

## Dual-Zone Multi F LMU187HV

Mix and match for 9,000-24,000 BTU/h

### LMU187HV (Heat Pump)

- Ⓒ 15,600 BTU/h Cooling
- Ⓗ 17,000 BTU/h Heating



## Tri-Zone Multi F LMU247HV

Mix and match for 12,000-33,000 BTU/h

### LMU247HV (Heat Pump)

- Ⓒ 19,200 BTU/h Cooling
- Ⓗ 26,400 BTU/h Heating



## Quad-Zone Multi F LMU369HV

Mix and match for 18,000-48,000 BTU/h

### LMU369HV (Heat Pump)

- Ⓒ 34,000 BTU/h Cooling
- Ⓗ 41,000 BTU/h Heating



## Eight-Zone Multi F MAX LMU540HV

Mix and match for 27,000-73,000 BTU/h

### LMU540HV (Heat Pump)

- 52,500 BTU/h Cooling
- 58,000 BTU/h Heating



## SPECIFICATIONS

\* Specifications can be changed without notification

System Model	LMU187HV	LMU247HV	LMU369HV	LMU540HV
<b>Performance</b>				
Rated Capacity (BTU/h)	Ⓒ 15,600 Ⓗ 17,000	Ⓒ 19,200 Ⓗ 26,400	Ⓒ 34,000 Ⓗ 41,000	Ⓒ 52,500 Ⓗ 58,000
Min. to Max. No. of Connectable Indoor Units	2 - 2	2 - 3	2 - 4	2 - 8
SEER (Non-Ducted / Ducted / Ducted & Non-Ducted)	21.0 / 17.7 / 19.35	21.7 / 16.4 / 19.05	17.5 / 16.5 / 17.0	18.4 / 15.8 / 17.1
HSPF (Non-Ducted / Ducted / Ducted & Non-Ducted)	9.2 / 8.8 / 9.0	9.4 / 8.5 / 8.95	10.5 / 9.5 / 10.0	8.7 / 8.0 / 8.35

Warranty: 2 years parts; 5 years compressor.

Warranty: 5 years parts;  
7 years compressor.



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## DUCT-FREE SPLIT : MULTI ZONE INDOOR UNITS

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Mix and match Multi F indoor units for customized comfort. All Multi F indoor units include a remote control, and many styles are offered: Art Cool™ Mirror wall-mounted, Art Cool™ Gallery wall-mounted, standard wall-mounted, four-way ceiling cassettes, ceiling-concealed duct (high and low static), and vertical-horizontal air handling models.

# Art Cool™ Gallery Inverter

Available in 9,000 and 12,000 Btu/h, the slim, contemporary styling of the Art Cool™ Gallery models will appeal to today's discerning customer.

**9,000 BTU/h**  
**LMAN097HVP**

**11,200 BTU/h**  
**LMAN127HVP**



## SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMAN097HVP	LMAN127HVP
Performance			
Rated Cooling Capacity	BTU/h	9,000	11,200
Rated Heating Capacity	BTU/h	10,400	13,300
Fan Airflow Rate (H / M / L)	CFM	272 / 208 / 155	314 / 258 / 198
Sound Pressure Levels (H / M / L)	dB(A)+/-3	39 / 35 / 31	42 / 38 / 34

Warranty: 5 years parts.

# Art Cool™ Mirror

Wall-mounted indoor units with a mirror-finished front panel. Choose from 9,000, 12,000, and 18,000 Btu/h capacities.

**9,000 BTU/h**  
**LMAN097HVT**

**12,000 BTU/h**  
**LMAN127HVT**

**18,000 BTU/h**  
**LMAN187HVT**



## SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMAN097HVT	LMAN127HVT	LMAN187HVT
Performance				
Rated Cooling Capacity	BTU/h	9,000	12,000	18,000
Rated Heating Capacity	BTU/h	10,400	13,800	20,800
Fan Airflow Rate (H / M / L)	CFM	247 / 230 / 212	335 / 318 / 300	572 / 501 / 434
Sound Pressure Levels (H / M / L)	dB(A)+/-3	33 / 30 / 27	39 / 36 / 31	37 / 33 / 28

Warranty: 5 years parts.

# Standard Wall-Mount

Wall-mounted indoor units with a white exterior. Available in 9,000, 12,000, and 18,000 Btu/h capacities.

**9,000 BTU/h**  
**LMN097HVT**

**12,000 BTU/h**  
**LMN127HVT**

**18,000 BTU/h**  
**LMN187HVT**



## SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMN097HVT	LMN127HVT	LMN187HVT
Performance				
Rated Cooling Capacity	BTU/h	9,000	12,000	18,000
Rated Heating Capacity	BTU/h	10,400	13,800	20,800
Fan Airflow Rate (H / M / L)	CFM	247 / 230 / 212	335 / 318 / 300	572 / 501 / 434
Sound Pressure Levels (H / M / L)	dB(A)+/-3	33 / 30 / 27	39 / 36 / 31	37 / 33 / 28

Warranty: 5 years parts.

## Ceiling Concealed Duct (Low Static)

LG's Multi F Ceiling-Concealed Duct (Low Static) indoor units are designed for low-static pressure applications up to 0.16"WG. With a maximum height of 7-1/2 inches, these units can be mounted fully concealed above a finished ceiling with as little as 8 inches of vertical space.



**9,000 BTU/h**  
**LMDN095HV**

**12,000 BTU/h**  
**LMDN125HV**

**18,000 BTU/h**  
**LMDN185HV**

### SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMDN095HV	LMDN125HV	LMDN185HV
<b>Performance</b>				
Rated Cooling Capacity	BTU/h	9,000	12,000	18,000
Rated Heating Capacity	BTU/h	10,400	13,800	20,800
Fan Airflow Rate (H / M / L)	CFM	300 / 265 / 229	335 / 300 / 265	530 / 477 / 406
Max. External Static Pressure	in. WG	0.16	0.16	0.16
Sound Pressure Levels (H / M / L)	dB(A)+/-3	32 / 26 / 25	33 / 31 / 26	34 / 31 / 29

Visit [www.lg-dfs.com](http://www.lg-dfs.com) to view warranty information.

## Ceiling Concealed Duct (High Static)

LG's Multi F Ceiling-Concealed Duct (High Static) indoor units are designed for high-speed air volume against an external static pressure up to 0.78"WG for the 24,000 Btu/h model; up to 0.55"WG for the 36,000 Btu/h model.



**24,000 BTU/h**  
**LMHN240HV**

**36,000 BTU/h**  
**LMHN360HV**

### SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMHN240HV	LMHN360HV
<b>Performance</b>			
Rated Cooling Capacity	BTU/h	24,000	36,000
Rated Heating Capacity	BTU/h	27,000	40,000
Fan Airflow Rate (H / M / L)	CFM	688 / 618 / 530	1,130 / 953 / 706
External Static Pressure (Factory set)	in. WG	0.39	0.39
Sound Pressure Levels (H / M / L)	dB(A)+/-3	37/36/35	44/42/40

Warranty: 5 years parts.

# Four-Way Ceiling Cassette

Four-way cassette indoor units have a supply air outlet with four-directional diffusers, each equipped with an independent motorized guide vane to provide four-way airflow. The unit case recesses into the ceiling, while the grille (required; sold separately) flush mounts to the ceiling.



**12,000 BTU/h**

**LMCN125HV**

**18,000 BTU/h**

**LMCN185HV**

## SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMCN125HV	LMCN185HV
Ceiling Grille Model Number (Sold Separately)		PT-UQC	PT-UQC
<b>Performance</b>			
Rated Cooling Capacity	BTU/h	12,000	18,000
Rated Heating Capacity	BTU/h	13,800	20,800
Fan Airflow Rate (H / M / L)	CFM	335 / 283 / 247	459 / 424 / 388
Sound Pressure Levels (H / M / L)	dB(A)+/-3	38 / 35 / 32	38 / 37 / 34

Visit [www.lg-dfs.com](http://www.lg-dfs.com) to view warranty information.

# Vertical-Horizontal Air Handling Unit

LG's Multi F Vertical-Horizontal Air Handling units are designed for high-speed air volume applications. 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.



**24,000 BTU/h**

**LMVN240HV**

**36,000 BTU/h**

**LMVN360HV**

## SPECIFICATIONS

\* Specifications can be changed without notification

Indoor Unit Model Number		LMVN240HV	LMVN360HV
<b>Performance</b>			
Rated Cooling Capacity	BTU/h	24,000	36,000
Rated Heating Capacity	BTU/h	27,000	40,000
Fan Airflow Rate (H / M / L)	CFM	710 / 640 / 480	990 / 880 / 800
Sound Pressure Levels (H / M / L)	dB(A)+/-3	43 / 42 / 41	45 / 44 / 43

Warranty: 5 years parts.



# FEATURES

Single-Zone Systems		Art Cool™ Gallery	Art Cool™ Premier	Art Cool™ Mirror	Mega	High Efficiency Inverter	Standard Inverter	Four-Way Cassette	Duct (High Static)
Energy Star Most Efficient			✓	✓ (except for LA240HSV2)		✓			
Energy Star		✓	✓	✓ (except for LA240HSV2)		✓			
Gold Fin™ Anti-Corrosion		✓	✓	✓	✓	✓	✓	✓	✓
Self-cleaning indoor coil		✓	✓	✓	✓	✓	✓		
Jet Cool		✓	✓	✓	✓	✓	✓	✓	
Jet Heat		✓	✓	✓		✓	✓		
4-Way auto swing		✓	✓	✓		✓			
Ultra quiet operation		✓	✓	✓	✓	✓	✓	✓	✓
Sleep mode		✓	✓	✓	✓	✓	✓	✓	✓
Auto restart		✓	✓	✓	✓	✓	✓	✓	✓
Auto changeover		✓	✓	✓	✓	✓	✓	✓	✓
Built-in low ambient standard, down to 14°F (Cooling Mode)		✓	✓	✓		✓	✓	✓	
Condensate sensor connection		✓	✓	✓	✓	✓	✓		
Internal condensate pump included								✓	✓
3M™ HAF filter	 <b>MiCRO Dust Filter</b> Powered by 3M Tech					✓	✓		
Cool only function			✓			✓	✓		
Warranty	5 years parts; 7 years compressor	✓	✓	✓	✓	✓	✓	✓	✓
	2 years parts; 5 years compressor								
	5 years parts								

Multi-Zone Systems— Outdoor Units		Dual-Zone Multi F LMU187HV	Tri-Zone Multi F LMU247HV	Quad-Zone Multi F LMU369HV	Eight-Zone Multi F MAX LMU540HV
Energy Star Most Efficient					
Energy Star		✓	✓	✓	
Gold Fin™ Anti-Corrosion		✓	✓	✓	✓
Self-cleaning indoor coil					
Jet Cool					
Jet Heat					
4-Way auto swing					
Ultra quiet operation					
Sleep mode					
Auto restart		✓	✓	✓	✓
Auto changeover					
Built-in low ambient standard, down to 14 °F (Cooling Mode)		✓	✓	✓	✓
Condensate sensor connection					
Internal condensate pump included					
3M™ HAF filter					
Cool only function					
Warranty	5 years parts; 7 years compressor				✓
	2 years parts; 5 years compressor	✓	✓	✓	
	5 years parts				

Multi-Zone Systems— Indoor Units		Indoor Units						
		Art Cool™ Gallery	Art Cool™ Mirror	Standard Wall- Mount	Duct (Low Static)	Duct (High Static)	Four-Way Cassette	Vertical- Horizontal Air Handler
Energy Star Most Efficient								
Energy Star		✓	✓	✓				
Gold Fin™ Anti- Corrosion								
Self-cleaning indoor coil		✓	✓	✓				
Jet Cool		✓	✓	✓			✓	
Jet Heat		✓	✓	✓				
4-Way auto swing		✓	✓	✓				
Ultra quiet operation		✓	✓	✓	✓	✓	✓	✓
Sleep mode		✓	✓	✓		✓	✓	✓
Auto restart		✓	✓	✓	✓	✓	✓	✓
Auto changeover								
Built-in low ambient standard, down to 14° F (Cooling Mode)								
Condensate sensor connection		✓	✓	✓				
Internal condensate pump included					✓	✓	✓	
3M™ HAF filter								
Cool only function								
Warranty	5 years parts; 7 years compressor							
	2 years parts; 5 years compressor							
	5 years parts	✓	✓	✓	*	✓	*	✓

**FOR MORE INFORMATION, VISIT [WWW.LG-DFS.COM](http://WWW.LG-DFS.COM) OR [WWW.LGHVAC.COM](http://WWW.LGHVAC.COM).**

## **DUCT-FREE SPLIT SYSTEMS**

### **LG INTERNET SALES POLICY**

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#### Duct-Free Split Systems

LG's expressed Duct-Free Split System warranty policy applies only to products sold and installed by qualified contractors.

Because products sold via the Internet cannot be assured of quality installation by a qualified contractor, LG's expressed warranty may not apply to internet sales.

LG supports and recommends that a qualified contractor properly size and install all LG Duct-Free Split systems for optimal performance and long life.



Visit [www.lg-dfs.com](http://www.lg-dfs.com) or [www.lghvac.com](http://www.lghvac.com)

Our sites are excellent resources for information, and it's where you'll can find LG Trained Contractors that service your area.

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