

# ENGINEERING AND SPECIFICATIONS GUIDE 2009

DUCTLESS AIR CONDITIONING SYSTEMS • ART COOL • INVERTER  
• FLEX MULTI-SPLIT • FLOOR STANDING • CEILING CASSETTE • PTAC



INNOVATIVE COMFORT SOLUTIONS







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**MINI-SPLIT ART COOL™ • SINGLE ZONE AND INVERTER, SINGLE ZONE**

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9,800 and 11,500 BTUs Cooling and Heat Pump



9,000-24,000 BTUs Heat Pump Inverter *Inverter*



18,000 BTUs Cooling

**MINI-SPLIT STANDARD, SINGLE ZONE**

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9,000-24,000 BTUs  
Cooling



30,000 BTUs  
Heat Pump Inverter *Inverter*

**FLEX MULTI-SPLIT, DUAL, TRI AND QUAD ZONE**

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Dual Zone: Mix and match for 18,000 to 24,000 BTUs  
Tri-Zone: Mix and match for 27,000 to 36,000 BTUs  
Quad Zone: Mix and match for 36,000 to 45,000 BTUs  
Heat Pump Inverter

## FLOOR STANDING AND CEILING CASSETTE, SINGLE ZONE



24,000 BTUs  
Heat Pump Inverter

*Inverter*



42,000 BTUs  
Heat Pump Inverter



24,000 and 42,000 BTUs  
Heat Pump Inverter

*Inverter*

## PACKAGED TERMINAL AIR CONDITIONERS



7,000-15,000 BTUs  
Heat/Cool

## ENVIRONMENTALLY FRIENDLY



LG air conditioners are environmentally friendly and future oriented. To reduce Freon gas, a prime ozone destroyer, they adopt alternative refrigerant R-410A and our Neo Plasma Air Purifying System, providing powerful sterilization for health-conscious customers.

Also, the Art Cool™ series has received the International Forum Design Award and Red Dot Design Award for its outstanding design. An innovative air flow system makes it the quietest in the industry for a more pleasant and convenient indoor environment.

## ART COOL DISPLAY RACK



Mirror Type  
Display Model  
(model#: ASMC122ERH0)

Picture Type  
Display Model  
(model#: ASMC123F2G0)

Display Model  
Art Rack Pic

## WIRELESS WALL THERMOSTAT



Wireless Wall  
Thermostat for  
Duct-Free Systems  
and PTACs

## THE LG HVAC ADVANTAGE

### Take advantage of our smart solutions for residential and commercial air conditioning applications.

LG HVAC systems offer a range of solutions that are cost efficient, quiet and attractive. They 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.

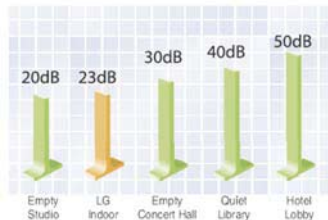
### Split Systems

These innovative systems are split into indoor and outdoor units. The interior units are available in several different configurations: Art Cool™, Standard Wall-Mounted, Floor Standing and Ceiling Cassettes. All interior units have remote controls for easy use. Installation by a qualified HVAC contractor is safe and easy — no duct work or sheet metal is needed. Single, dual and tri-zone systems, as well as cooling only and heat pump models are available.



### PTAC Models

LG's new PTAC units are perfect for lodging and healthcare applications. These units have an extremely low decibel level and outstanding sound prevention rating. Plus, LG models have efficiency ratings up to 12.5 SEER, which translates into excellent energy savings.



### Feature Advantages:

Look for these key features throughout the LG line.

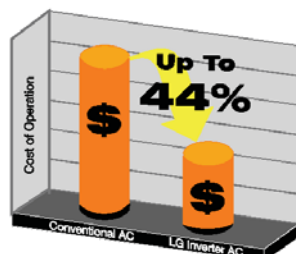
• **Attractive, customizable indoor units.** Art Cool™ provides numerous options to complement any décor. The Art Cool™ Customizable Art Panel works like a picture frame — any art or photograph can be displayed. Other Art Cool™ units come in a variety of beautiful colours and finishes to suit any room.



• **Multi Power System™.** Energy-saving twin compressors: one provides power at 60% capacity until the system reaches a desired temperature. Then the smaller compressor takes over to provide sustained operation at 40% capacity.



• **Inverter.** Inverter heat pump air conditioners use a variable speed compressor, rather than the constant speed found in conventional ACs. Instead of shutting off once the desired temperature is reached, the inverter compressor continues to operate at low speed to maintain that temperature. It is quieter to operate and uses less energy than conventional ACs, which cycle on and off.



See our inverters on the following pages.

NOTE: All features are not available on all models. See product pages for details.



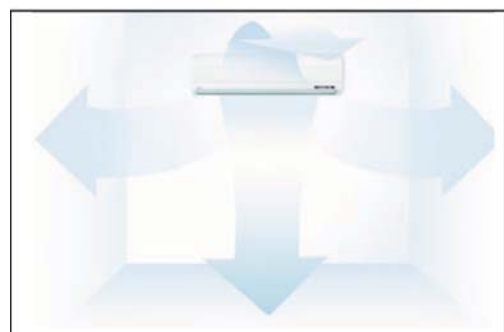
• **R-410A Refrigerant.** Environmentally friendly refrigerant used in the majority of LG systems.

NOTE: R-410A service port access will require a special adapter to attach standard 1/4" hoses. Ask your equipment supplier for more details.

- **Patented Neo Plasma Air Purifying System.** The 4-stage system features a large, permanent filter and an electronic air purifier that captures microscopic contaminants like dust mites, pollen and pet fur.
- **Art Cool™ Self-Cleaning Indoor Coil.** Drives dirt and moisture from coil surface leaving it clean and fresh smelling.
- **Dehumidifying Mode.** Indoor unit accurately senses room temperature and controls humidity by shutting down the compressor before a room is over-cooled.
- **Chaos Swing.** Electronically controlled louvers and fan speeds create a more natural, random flow of air, reducing temperature stratification.
- **Art Cool™ Three-way Cooling.** Air flows out of the unit from three directions, creating more natural circulation.
- **Jet Cool.** Operates at high speed for up to 30 minutes to quickly cool a room down to 64°F.
- **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 will set automatically.
- **Manual Power Switch.** Easily accessed button that allows for continued operation if the remote control is misplaced.
- **Defrost Control.** Shuts down the indoor fan to prevent cold air from being blown into the house. Removes frost from outdoor coil when the outdoor temperature is low (Heat Pump only).
- **Temperature Display.** Shows room temperature of interior unit.
- **Auto Sleep Mode.** Automatically increases the temperature setting 2°F twice (after 1/2 hour and one hour). The interior unit shuts off when the timer setting is reached.
- **Auto Restart.** Automatically restarts a unit to programmed setting when the electricity comes on after a power failure.

### 4-Way Auto Swing

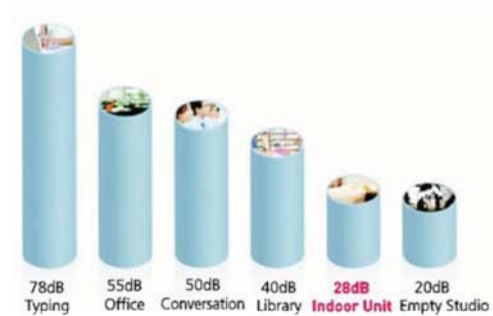
Air flows in 4 directions, creating more natural circulation.



## THE LG HVAC ADVANTAGE

### Ultra Silent Operation

Cross-flow fan operates at low speed but generates more air. The special fan housing creates a smooth and quiet air flow.



**The quiet operation has a three-layer and new design**

**1 Less noise with a three-layer, anti-noise mechanism**

A three-layer, anti-noise mechanism covers the noise coming from the fan and the motor.

**2 Conveniently attaches to the wall**

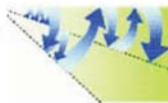
The double-tubing cover minimizes space between the wall and the air conditioner in order to reduce the noise caused by motor vibration.

### Chaos Swing

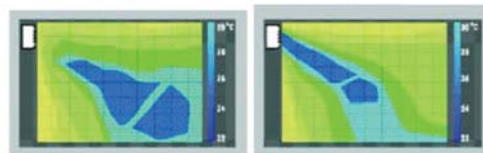
A natural air flow system. Computer-controlled vanes create a more natural flow of air, reducing temperature stratification.



With a swing angle twice as wide as conventional air conditioners, the Chaos Swing minimizes differences in indoor temperatures, allowing air to circulate to every corner of the room.



#### Indoor Temperature Distribution Chart

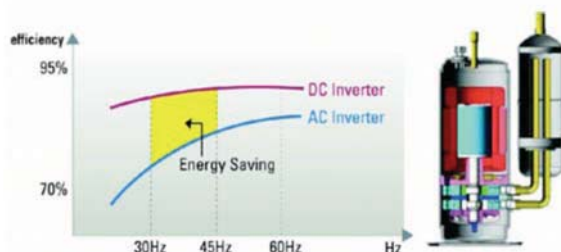


Chaos Swing

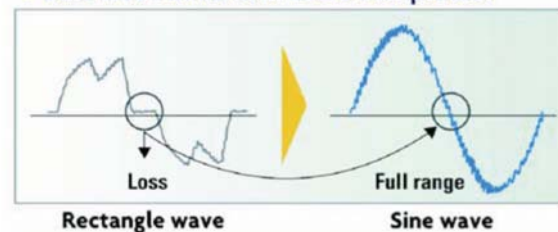
Auto Swing

### Powerful BLDC Compressor

The LG inverter air conditioner comes with a BLDC compressor that uses a strong neodymium magnet. Its compressor thus has improved efficiency compared with AC inverter. Notably, during partial-load operation (30-45 Hz), the efficiency of the compressor motor of the LG inverter air conditioner increases, as opposed to the existing AC motors, and the subcooling effects of the bigger condenser will further increase the product's energy consumption efficiency.



#### • Sine wave Control in BLDC Compressor



#### • PFC Control in Power Input

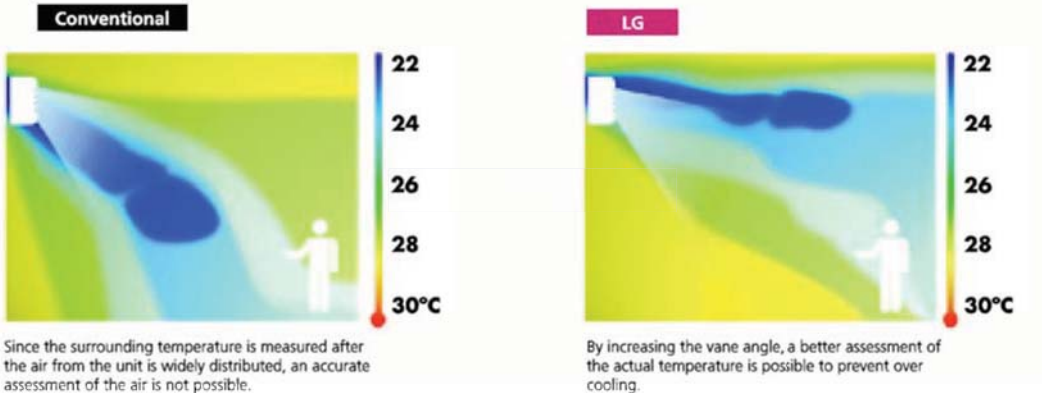




## THE LG HVAC ADVANTAGE

### Optimum Effective Cooling

LG Wall Mounted Split models feature a Dehumidification mode to remove uncomfortable humidity from the room without over cooling.



### Jet Cool Operation

Jet Cool operates at a high speed for up to 30 minutes to quickly cool a room down to 18°C. It can cool a certain area up to 10 metres away.



### INVERTER CONTROL AND SAVINGS

LG Electronics has coupled energy-efficient scroll compressors with computer controlled inverters to ensure the highest possible level of comfort and savings. Traditionally contractors have chosen an air conditioning system that will meet the highest predicted load in your home, but unfortunately this becomes a waste of energy when less capacity is required. By continuously monitoring the performance of the system in your home, the computer adjusts the speed of the compressor to meet the actual cooling requirements (or heating if it is a heat pump) so that the system uses less energy and maintains a constant comfort level. This can save you up to 44% in utility costs.

## Neo Plasma Air Purification System

#### NANO BIO-FUSION FILTER

Nano Carbon Balls ensure the destruction of bacteria and allergens by causing the nuclei of cells to decompose and die. Conventional filters only inactivate the cell, allowing it to reactivate later.



#### Conventional Filter Activity



Bacteria Inactivates  
Bacteria can Re-activate

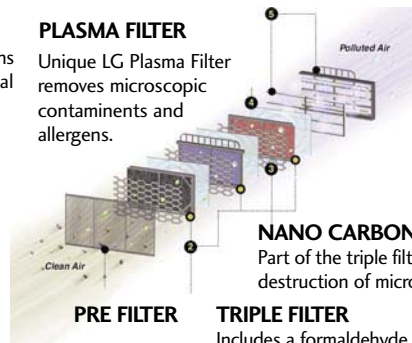
#### Nano Bio-Fusion



The bio-enzyme causes destruction of cell walls and nuclei

#### PLASMA FILTER

Unique LG Plasma Filter removes microscopic contaminants and allergens.



#### PRE FILTER

#### NANO CARBON FILTER

Part of the triple filter ensuring destruction of microbes.

#### TRIPLE FILTER

Includes a formaldehyde filter that removes organic compounds, odour filter and nano carbon filter.

#### Nano Carbon Ball



200-500nm



# ART COOL™

## ART COOL™

### MINI-SPLIT SINGLE ZONE

#### Customized good looks

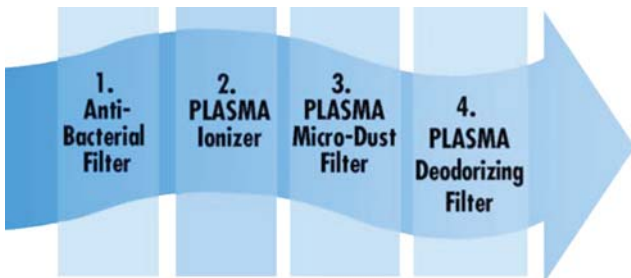
The slim, contemporary styling of the Art Cool™ models will appeal to today's discerning customer. The 9,000 and 12,000 BTU picture models come with a frame that allows the customer to modify and personalize the unit with their own artwork or photography — the ultimate in custom design. Other indoor units are available in popular finishes and colours to complement any décor.

Ductless Mini-Split Air Conditioning Systems from LG maximize the efficiency and economics of ductless technology. Now you can bring more attractive, cost-effective solutions to your commercial and residential customers, providing single zone systems in both air conditioning and heat pump models.

Indoor Unit with Remote



Outdoor Unit



#### Available styles and finishes



Mini-Split  
Art Cool™ Indoor Unit  
Customizable Picture Art Panel



Mini-Split  
Art Cool™ Indoor Unit  
Metal Finish

## Outstanding air purification

The wall unit features LG's Neo Plasma Air Purifying System, which provides excellent indoor air quality. Freshen the air anytime, whether cooling a room or operating in fan only mode.

## HIGH WALL DUCTLESS • ART COOL™ MINI-SPLIT SINGLE ZONE

### 9,000 BTUs

#### LA090CP (A/C Model)

**C** 9,800 BTUs Cooling

#### LA090HP (H/P Model)

**C** 9,800 BTUs Cooling

**H** 9,800 BTUs Heating

### 12,000 BTUs

#### LA120CP (A/C Model)

**C** 11,500 BTUs Cooling

#### LA120HP (H/P Model)

**C** 11,500 BTUs Cooling

**H** 11,500 BTUs Heating



Features:			
<ul style="list-style-type: none"> <li>• Customizable art panel</li> <li>• R-410A Refrigerant</li> <li>• Neo Plasma Air Purifying System</li> <li>• Self-cleaning indoor coil</li> <li>• Dehumidifying mode</li> <li>• Chaos Swing</li> <li>• Three-way cooling</li> </ul>	<ul style="list-style-type: none"> <li>• Jet Cool</li> <li>• Cooling mode</li> <li>• Heating mode (H/P model only)</li> <li>• Fan mode</li> <li>• Auto operation</li> <li>• Manual power switch</li> <li>• Defrost control (H/P model only)</li> <li>• Auto sleep mode</li> </ul>	<ul style="list-style-type: none"> <li>• Auto restart</li> <li>• Built-in low ambient standard, down to 0°F (cooling mode)</li> <li>• 24-Hour on/off timer</li> <li>• Evaporator frost control</li> </ul> <p><b>Interior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Remote control, batteries, holder &amp; holder hardware</li> <li>• Installation manual</li> </ul> <p><b>Exterior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set</li> </ul>

System Model #	LA090CP	LA090HP	LA120CP	LA120HP
Indoor Model #	LAI090CP	LAI090HP	LAI120CP	LAI120HP
Outdoor Model #	LAO090CP	LAO090HP	LAO120CP	LAO120HP

#### Performance

Capacity (BTUs)	<b>C</b> 9,800	<b>C</b> 9,800 <b>H</b> 9,800	<b>C</b> 11,500	<b>C</b> 11,500 <b>H</b> 11,500
SEER	13	13	13	13
Air Circulation (CFM H/M/L)	283/230/177	283/230/177	330/261/194	330/261/194
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hour)	2.6	2.6	3.0	3.0
Indoor dB(A)*	35/30/25	35/30/25	41/35/29	41/35/29
Outdoor dB(A)*	48	48	48	48

#### Electrical

Rated Voltage Outdoor	115-60-1	115-60-1	115-60-1	115-60-1
Rated Voltage Indoor	36V DC	36V DC	36V DC	36V DC
<b>Indoor Dimensions</b>	23 5/8 x	23 5/8 x	23 5/8 x	23 5/8 x
W x H x D (inches)	23 5/8 x 5 3/4	23 5/8 x 5 3/4	23 5/8 x 5 3/4	23 5/8 x 5 3/4
Weight (lbs.)	30.9	30.9	30.9	30.9
<b>Outdoor Dimensions</b>	30 5/16 x	30 5/16 x	30 5/16 x	30 5/16 x
W x H x D (inches)	21 5/16 x 9 5/8	21 5/16 x 9 5/8	21 5/16 x 9 5/8	21 5/16 x 9 5/8
Weight (lbs.)	66.1	66.1	70.5	70.5

#### Thermostat Range

Cooling/Heating (°F)	64-86	64-86/60-86	64-86	64-86/60-86
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\*LG verified sound ratings

## HIGH WALL DUCTLESS • ART COOL™ MINI-SPLIT SINGLE ZONE

How to replace the picture in your customizable Art Cool™ air conditioning unit:



1. Turn off the power.
2. Pull open the top part of the front panel.
3. Pull out tabs from the bottom of the front panel, then pull the bottom of the panel forward, until it is secured. Take out the existing picture from under the panel.
4. Slide the new picture under the panel, and press the front panel shut.
5. Secure the tabs on the bottom of the front panel.
6. Your new picture should now be displayed in your LG Art Cool™.





## HIGH WALL DUCTLESS • ART COOL™ MINI-SPLIT SINGLE ZONE

### 18,000 BTUs

#### LA180CP (A/C Model)

**C** 18,000 BTUs Cooling



#### Features:

- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Self cleaning indoor coil
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Three-way cooling
- Cooling mode
- Fan mode
- Auto operation
- Manual power switch
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Evaporator frost control

#### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

#### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set

<b>System Model #</b>	<b>LA180CP</b>
Indoor Model #	LAI180CP
Outdoor Model #	LAO180CP
<b>Performance</b>	
Capacity (BTUs)	<b>C</b> 18,000/17,800
SEER	13
Air Circulation (CFM H/M/L)	460/353/247
Fan Speeds	4/Auto/Chaos
Dehumidification (pts/hour)	5.3
Indoor dB(A)*	44/40/36
Outdoor dB(A)*	55
<b>Electrical</b>	
Rated Voltage Outdoor	230/208-60-1
Rated Voltage Indoor	36V DC
<b>Indoor Dimensions</b>	
W x H x D (inches)	36 1/2 x 20 19/32 x 5 25/32
Weight (lbs.)	37.5
<b>Outdoor Dimensions</b>	
W x H x D (inches)	34 5/16 x 25 13/16 x 12 5/8
Weight (lbs.)	149.9
<b>Thermostat Range</b>	
Cooling/Heating (°F)	64-86

\*LG verified sound ratings

**ART COOL™ MINI-SPLIT SINGLE ZONE**

**ELECTRICAL AND REFRIGERATION • QUICK REFERENCE**

Electrical Specifications <sup>†</sup>									
	Type	System	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**
					Indoor	Outdoor			
Single Zone	A/C	C	LA090CP	9,800	36V DC	115	7.2	15	15
	A/C	C	LA120CP	11,500	36V DC	115	9.3	15	20
	A/C	C	LA180CP	18,000	36V DC	230/208	9.8	15	20
	H/P	C H	LA090HP	9,800	36V DC	115	7.2	15	20
	H/P	C H	LA120HP	11,500	36V DC	115	9.3	15	20

†All equipment single phase

NOTE: Recommend shielded cable for low voltage wiring.  
Please consult local electrical codes for proper wire requirements.

\*Minimum Circuit Ampacity  
\*\*Maximum Overcurrent Protection

Indoor Wire Size	
Indoor/Outdoor Connecting Cable Shielded	18-4

Refrigerant Line Specifications***									
	Type	System	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation
					Liquid	Suction			
Single Zone	A/C	C	LA090CP	9,800	1/4"	1/2"	0.22 oz./ft.	50'	25'
	A/C	C	LA120CP	11,500	1/4"	1/2"	0.22 oz./ft.	50'	25'
	A/C	C	LA180CP	18,000	1/4"	1/2"	0.22 oz./ft.	100'	50'
	H/P	C H	LA090HP	9,800	1/4"	1/2"	0.22 oz./ft.	50'	25'
	H/P	C H	LA120HP	11,500	1/4"	1/2"	0.22 oz./ft.	50'	25'

\*\*\*Each outdoor unit is pre-charged with enough refrigerant to charge the indoor unit and up to 25 ft. of line set. You must adjust the charge if this length varies.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with maximum elevation of 25 ft. (see chart above and Figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

Each system should have a 6-8 inch inverted trap at the condensing unit if mounted above indoor unit.

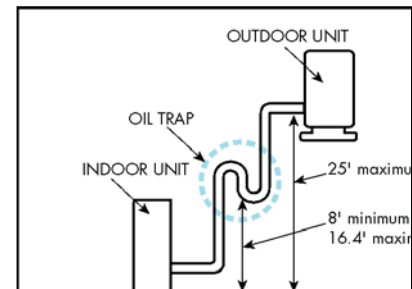


Figure A:  
Oil trap required at 8-16.4 ft. elevation (condenser over evaporator).

**HIGH WALL DUCTLESS • ART COOL™ MINI-SPLIT SINGLE ZONE • INVERTER**

**9,000 BTUs**

**LS902HPV**  
(H/P Model)

- C 9,200 BTUs Cooling
- H 12,000 BTUs Heating

**12,000 BTUs**

**LS122HPV**  
(H/P Model)

- C 12,000 BTUs Cooling
- H 15,500 BTUs Heating



<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Inverter Compressor</li> <li>• R-410A Refrigerant</li> <li>• Neo Plasma Air Purifying System</li> <li>• Chaos Swing</li> <li>• Self-cleaning indoor coil</li> <li>• Auto changeover</li> <li>• Jet Cool</li> <li>• Cooling/Heating/Fan Mode</li> </ul>	<ul style="list-style-type: none"> <li>• Auto sleep mode</li> <li>• Ultra-quiet operation</li> <li>• Dehumidifying mode</li> <li>• Auto restart</li> <li>• 24-Hour on/off timer</li> <li>• Built-in low ambient standard, down to 14°F (cooling mode)</li> <li>• Manual power switch</li> <li>• Defrost control</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature display on indoor unit</li> <li>• Evaporator frost control</li> <li>• Energy Saving</li> <li>• Gold Fin™ Anti-Corrosion</li> </ul> <p><b>Interior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> <li>• Remote control, batteries,</li> </ul>	<ul style="list-style-type: none"> <li>holder &amp; holder hardware</li> <li>• Installation manual</li> </ul> <p><b>Exterior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set</li> </ul>
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System Model #	LS902HPV	LS122HPV
Indoor Model #	LSN902HPV	LSN122HPV
Outdoor Model #	LSU902HPV	LSU122HPV

Performance		
Capacity (BTUs)	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">C</span> 9,200/8,900 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">H</span> 12,000/11,700	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">C</span> 12,000/11,700 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">H</span> 15,500/15,200
SEER • HSPF	19.7/19.1 • 9	18.7/18.2 • 9.1
Air Circulation (CFM H/M/L)	230/180/140	230/180/140
Fan Speeds	5/Auto/Chaos	5/Auto/Chaos
Dehumidification (pts/hour)	3.0	3.0
Indoor dB(A)*	38/35/32	41/35/32
Outdoor dB(A)*	48	48

Electrical		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208-60-1	230/208-60-1
<b>Indoor Dimensions</b>	35 3/16 x	35 3/16 x
W x H x D (inches)	11 3/32 x 6 1/2	11 3/32 x 6 1/2
Weight (lbs.)	23.1	23.1
<b>Outdoor Dimensions</b>	30 5/16 x	30 5/16 x
W x H x D (inches)	21 5/16 x 9 5/8	21 5/16 x 9 5/8
Weight (lbs.)	83.8	83.8

Thermostat Range		
Cooling/Heating (°F)	64-86/60-86	64-86/60-86

\*LG verified sound ratings



## HIGH WALL DUCTLESS • ART COOL™ MINI-SPLIT SINGLE ZONE • INVERTER

### 18,000 BTUs

#### LS182HPV (H/P Model)

- C 18,000 BTUs Cooling
- H 20,700 BTUs Heating

### 24,000 BTUs

#### LS242HPV (H/P Model)

- C 24,000 BTUs Cooling
- H 27,600 BTUs Heating



Inverter



Features:			
<ul style="list-style-type: none"> <li>• Inverter Compressor</li> <li>• R-410A Refrigerant</li> <li>• Neo Plasma Air Purifying System</li> <li>• Chaos Swing</li> <li>• Self-cleaning indoor coil</li> <li>• Auto changeover</li> <li>• Jet Cool</li> <li>• Cooling/Heating/Fan Mode</li> </ul>	<ul style="list-style-type: none"> <li>• Auto sleep mode</li> <li>• Ultra-quiet operation</li> <li>• Dehumidifying mode</li> <li>• Auto restart</li> <li>• 24-Hour on/off timer</li> <li>• Built-in low ambient standard, down to 14°F (cooling mode)</li> <li>• Manual power switch</li> <li>• Defrost control</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature display on indoor unit</li> <li>• Evaporator frost control</li> <li>• Energy saving.</li> <li>• Gold Fin™ Anti-Corrosion</li> </ul>	<ul style="list-style-type: none"> <li>holder &amp; holder hardware</li> <li>• Installation manual</li> </ul>
		<p><b>Interior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> <li>• Remote control, batteries,</li> </ul>	<p><b>Exterior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set</li> </ul>

System Model #	LS182HPV	LS242HPV
Indoor Model #	LSN182HPV	LSN242HPV
Outdoor Model #	LSU182HPV	LSU242HPV
<b>Performance</b>		
Capacity (BTUs)	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">C</span> 18,000/17,500 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">H</span> 20,700/20,200	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">C</span> 24,000/23,600 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">H</span> 27,600/27,200
SEER • HSPF	16.2/16.2 • 8.2	16.2/16.2 • 8.2
Air Circulation (CFM H/M/L)	460/380/320	530/445/378
Fan Speeds	5/Auto/Chaos	5/Auto/Chaos
Dehumidification (pts/hr)	5.3	6.6
Indoor dB(A)*	42/39/36	47/42/39
Outdoor dB(A)*	55	56
<b>Electrical</b>		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208-60-1	230/208-60-1
<b>Indoor Dimensions</b>		
W x H x D (inches)	43 11/16 x 11 3/4 x 7 7/8	43 11/16 x 11 3/4 x 7 7/8
Weight (lbs.)	31.1	31.1
<b>Outdoor Dimensions</b>		
W x H x D (inches)	34 5/16 x 25 13/16 x 12 5/8	34 5/16 x 25 13/16 x 12 5/8
Weight (lbs.)	101.4	172.2
<b>Thermostat Range</b>		
Cooling/Heating (°F)	64-86/60-86	64-86/60-86

\*LG verified sound ratings

**ART COOL™ MINI-SPLIT SINGLE ZONE • INVERTER**

**ELECTRICAL AND REFRIGERATION • QUICK REFERENCE**

Electrical Specifications <sup>†</sup>									
	Type	System	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**
					Indoor	Outdoor			
Single Zone	H/P	C H	LS902HPV	9,200	230/208	230/208	6.0/7.3	10	15
	H/P	C H	LS122HPV	12,000	230/208	230/208	6.0/7.3	10	15
	H/P	C H	LS182HPV	18,000	230/208	230/208	7.3/8.3	15	20
	H/P	C H	LS242HPV	24,000	230/208	230/208	11.0/13.0	20	30

†All equipment single phase

NOTE: Please consult local electrical codes for proper wire requirements.

\*Minimum Circuit Ampacity  
\*\*Maximum Overcurrent Protection

**Indoor Wire Size**  
Minimum wiring requirements suggested by manufacturer.  
Indoor Connecting Cable Minimum AWG 14-3

Refrigerant Line Specifications <sup>***</sup>									
	Type	System	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation
					Liquid	Suction			
Single Zone	H/P	C H	LS902HPV	9,200	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LS122HPV	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LS182HPV	18,000	1/4"	1/2"	0.22 oz./ft.	50'	25'
	H/P	C H	LS242HPV	24,000	3/8"	5/8"	0.33 oz./ft.	100'	50'

\*\*\*Each outdoor unit is pre-charged with enough refrigerant to charge the indoor unit and up to 25 ft. of line set. You must adjust the charge if this length varies.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with maximum elevation of 25 ft. (see chart above and Figure A), refrigerant lines must be oil trapped at between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

Each system should have a 6-8 inch inverted trap at the condensing unit if mounted above indoor unit.

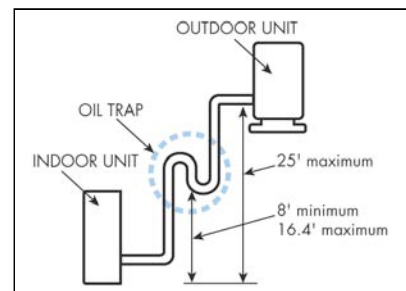


Figure A:  
Oil trap required at 8-16.4 ft. elevation (condenser over evaporator).

# MINI-SPLIT STANDARD AIR CONDITIONERS SINGLE ZONE

Mini-Split Standard systems use the same ductless technology as Art Cool™ units in a streamlined, low profile design. Models are available in a variety of sizes from 9,000 through 27,000 BTUs. LG's Mini-Split Standard air conditioners are easy to install, efficient and cost effective.

**Available styles**



Mini-Split Standard Indoor Unit White  
Cooling  
9,000-24,000 BTUs




Mini-Split Standard Indoor Unit White  
Heat Pump Inverter  
27,000 BTUs





Indoor Unit



Outdoor Unit



## HIGH WALL DUCTLESS • MINI-SPLIT STANDARD SINGLE ZONE

## 9,000 BTUs

## 12,000 BTUs

**LS090CP (A/C Model)**

**C** 9,000 BTUs Cooling

**LS120CP (A/C Model)**

**C** 12,000 BTUs Cooling

**Features:**

- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Fan mode
- Auto operation

- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer

- Built-in low ambient standard, down to 0°F (cooling mode)
- Ultra-quiet operation
- Evaporator frost control

**Interior Unit Includes:**

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware

**Exterior Unit Includes:**

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set

**System Model #**

LS090CP

LS120CP

**Indoor Model #**

LSI090CP

LSI120CP

**Outdoor Model #**

LSO090CP

LSO120CP

**Performance****Capacity (BTUs)****C** 9,000**C** 12,000**SEER**

13

13

**Air Circulation (CFM H/M/L)**

250/210/170

330/280/230

**Fan Speeds**

4/Auto/Chaos

4/Auto/Chaos

**Dehumidification (pts/hr)**

2.6

3.0

**Indoor dB(A)\***

36/31/28

41/36/34

**Outdoor dB(A)\***

48

48

**Electrical****Rated Voltage Outdoor**

115-60-1

115-1-60

**Rated Voltage Indoor**

36V DC

36V DC

**Indoor Dimensions**

33 1/16 x

35 3/16 x

**W x H x D (inches)**

10 5/8 x

11 5/8 x

6 1/32

6 1/2

**Weight (lbs.)**

15.4

20.5

**Outdoor Dimensions**

30 5/16 x

30 5/16 x

**W x H x D (inches)**

21 5/16 x

21 5/16 x

9 19/32

9 19/32

**Weight (lbs.)**

66.1

70.5

**Thermostat Range****Cooling/Heating (°F)**

64-86

64-86

\*LG verified sound ratings

## HIGH WALL DUCTLESS • MINI-SPLIT STANDARD SINGLE ZONE

### 18,000 BTUs

#### LS180CP (A/C Model)

- 18,000 BTUs Cooling

### 24,000 BTUs

#### LS240CP (A/C Model)

- 22,500 BTUs Cooling



#### Features:

- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Ultra-quiet operation
- Evaporator frost control

#### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware

#### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set

System Model #	LS180CP	LS240CP
Indoor Model #	LSI180CP	LSI240CP
Outdoor Model #	LSO180CP	LSO240CP
<b>Performance</b>		
Capacity (BTUs)	18,000/17,800	22,500/22,100
SEER	13	13
Air Circulation (CFM H/M/L)	460/380/320	530/450/370
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	5.3	6.6
Indoor dB(A)*	41/38/36	46/41/38
Outdoor dB(A)*	55	57
<b>Electrical</b>		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	36V DC	36V DC
<b>Indoor Dimensions</b>		
W x H x D (inches)	42 15/16 x 11 13/16 x 7 1/32	42 15/16 x 11 13/16 x 7 1/32
Weight (lbs.)	28.6	28.6
<b>Outdoor Dimensions</b>		
W x H x D (inches)	34 5/16 x 25 13/16 x 12 5/8	34 5/16 x 31 1/2 x 12 5/8
Weight (lbs.)	149.9	166.6
<b>Thermostat Range</b>		
Cooling/Heating (°F)	64-86	64-86

\*LG verified sound ratings

## HIGH WALL DUCTLESS • MINI-SPLIT STANDARD SINGLE ZONE • INVERTER

### 30,000 BTUs

#### LS302HPV (H/P Model)

**C** 27,000 BTUs Cooling

**H** 29,000 BTUs Heating



#### Features:

- |   |  |   |   |
|---|--|---|---|
| <ul style="list-style-type: none"> <li>• Inverter Compressor</li> <li>• R-410A Refrigerant</li> <li>• Neo Plasma Air Purifying System</li> <li>• Chaos Swing</li> <li>• Self-cleaning indoor coil</li> <li>• Auto changeover</li> <li>• Jet Cool</li> <li>• Cooling/Heating/Fan Mode</li> </ul> | <ul style="list-style-type: none"> <li>• Auto sleep mode</li> <li>• Ultra-quiet operation</li> <li>• Dehumidifying mode</li> <li>• Auto restart</li> <li>• 24-Hour on/off timer</li> <li>• Built-in low ambient standard, down to 14°F (cooling mode)</li> <li>• Manual power switch</li> <li>• Defrost control</li> </ul> | <ul style="list-style-type: none"> <li>• Gold Fin™ Anti-Corrosion</li> <li>• Temperature display on indoor unit</li> <li>• Evaporator frost control</li> <li>• Energy Saving</li> </ul> | <ul style="list-style-type: none"> <li>holder &amp; holder hardware</li> <li>• Installation manual</li> </ul> <p><b>Exterior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set</li> </ul> |
|---|--|---|---|

#### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries,

**System Model #** LS302HPV

**Indoor Model #** LSN302HPV

**Outdoor Model #** LSU302HPV

#### Performance

**Capacity (BTUs)** **C** 27,000/27,000  
**H** 29,000/29,000

**SEER • HSPF** 16 • 7.8

**Air Circulation (CFM H/M/L)** 710/640/530

**Fan Speeds** 4/Auto/Chaos

**Dehumidification (pts/hr)** 7.2

**Indoor dB(A)\*** 47/42/39

**Outdoor dB(A)\*** 58

#### Electrical

**Rated Voltage Outdoor** 230/208-60-1

**Rated Voltage Indoor** 230/208-60-1

**Indoor Dimensions** 47 3/5 x

**W x H x D (inches)** 13 3/5 x

8 1/4

**Weight (lbs.)** 37.5

**Outdoor Dimensions** 34 1/4 x

**W x H x D (inches)** 31 1/4 x

12 3/5

**Weight (lbs.)** 147.7

#### Thermostat Range

**Cooling/Heating (°F)** 64-86 /60-86

\*LG verified sound ratings

## MINI-SPLIT STANDARD SINGLE ZONE

### ELECTRICAL AND REFRIGERATION • QUICK REFERENCE

Electrical Specifications <sup>†</sup>									
	Type	System	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**
					Indoor	Outdoor			
Mini-Split	A/C	C	LS090CP	9,000	36V DC	115	7.0	15	15
Standard	A/C	C	LS120CP	12,000	36V DC	115	10.5	15	20
Single-Zone	A/C	C	LS180CP	18,000	36V DC	230/208	8.6/9.5	15	20
	A/C	C	LS240CP	22,500	36V DC	230/208	11.5/12.5	20	30
	H/P	C H	LS302HPV	27,000/ 29,000	230/208	230/208	13.6/14.0	20	30

†All equipment single phase

NOTE: Please see local electrical codes for proper wire specifications.

\*Minimum Circuit Ampacity

\*\*Maximum Overcurrent Protection

#### Indoor Wiring

9,000-24,000 BTU	18-4 Shielded Cable
27,000 BTU	14-3 AWG

#### Refrigerant Line Specifications<sup>\*\*\*</sup>

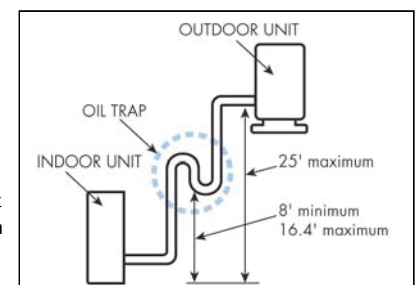
	Type	System	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation
					Liquid	Suction			
Mini-Split	A/C	C	LS090CP	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
Standard	A/C	C	LS120CP	12,000	1/4"	1/2"	0.22 oz./ft.	50'	25'
Single-Zone	A/C	C	LS180CP	18,000	1/4"	1/2"	0.22 oz./ft.	100'	50'
	A/C	C	LS240CP	22,500	1/4"	5/8"	0.22 oz./ft.	100'	50'
	H/P	C H	LS302HPV	27,000/ 29,000	1/4"	5/8"	0.22 oz./ft.	100'	50'

\*\*\*Each outdoor unit is pre-charged with enough refrigerant to charge the indoor unit and up to 25 ft. of line set. You must adjust the charge if this length varies.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with maximum elevation of 25 ft. (see chart above and Figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

Each system should have a 6-8 inch inverted trap at the condensing unit if mounted above indoor unit.

Figure A:  
Oil trap required at 8-16.4 ft. elevation (condenser over evaporator).



# FLEX MULTI-SPLIT AIR CONDITIONERS DUAL ZONE & TRI-ZONE

## Flex Multi-Split Systems

The larger Flex Multi-Split Systems operate two or three interior units that are mounted in separate rooms. Each indoor unit comes with its own remote control, allowing the customer to set the temperature individually in different rooms. These units are connected to a single exterior unit.

9,000 and 12,000 BTU Flex Multi Indoor Units can be combined to achieve between 18,000 and 24,000 BTUs on a Dual Zone System, and from 27,000 to 36,000 BTUs on a Tri-Zone System. The interior units are available in a variety of styles, including Art Cool™ and standard models. Both Dual Zone and Tri-Zone Systems are available in Cooling Only or Heat Pump systems.



Dual Zone Flex Multi System  
Combined 18,000 to 24,000 BTUs



Tri-Zone Flex Multi System  
Combined 27,000 to 36,000 BTUs





**HIGH WALL DUCTLESS • FLEX MULTI-SPLIT DUAL AND TRI-ZONE**

**FLEX MULTI INDOOR UNITS**



12,000 BTUs  
Indoor Model #s:  
LMA121CPM, LMA121HPM



Art Cool™ Metal Finish  
9,000 BTUs Indoor Model #s:  
LMA090CP, LMA090HP  
12,000 BTUs Indoor Model #s:  
LMA120CP, LMA120HP



Standard  
9,000 BTUs Indoor Model #s:  
LMI090CP, LMI090HP  
12,000 BTUs Indoor Model #s:  
LMI120CP, LMI120HP

<b>Features:</b> <ul style="list-style-type: none"> <li>• Multi Power System™</li> <li>• R-410A Refrigerant</li> <li>• Neo Plasma Air Purifying System<sup>§</sup></li> <li>• Triple-filter air purifying system<sup>Ⓔ</sup></li> <li>• Self-cleaning indoor coil</li> <li>• Dehumidifying mode</li> <li>• Chaos Swing</li> <li>• Jet Cool</li> </ul>	<ul style="list-style-type: none"> <li>• Three-way cooling<sup>†</sup></li> <li>• Cooling mode</li> <li>• Heating mode (H/P Model only)</li> <li>• Fan mode</li> <li>• Auto operation</li> <li>• Manual power switch</li> <li>• Defrost control (H/P model only)</li> <li>• Temperature display on indoor unit</li> </ul>	<ul style="list-style-type: none"> <li>• Auto sleep mode</li> <li>• Auto restart</li> <li>• 24-Hour on/off timer</li> <li>• Evaporator frost control</li> <li>• Ultra-quiet operation</li> </ul>	<ul style="list-style-type: none"> <li>• Remote controls w/batteries, remote holders &amp; hardware</li> <li>• Installation manual</li> </ul>

<sup>§</sup>Available on Mirror and Standard finish only. <sup>Ⓔ</sup>Available on Mirror and Art Cool™ Metal finish only. <sup>†</sup>Available on Art Cool™ Metal finish only.

Indoor Model Cooling #	LMI090CP	LMA090CP	LMI120CP	LMA120CP	LMA121 CPM
<b>Performance</b>					
Capacity (BTUs)	9,000/8,850	9,000/8,850	12,000/11,800	12,000/11,800	12,000/11,800
Air Circulation (CFM H/M/L)	250/210/170	264/230/177	330/280/230	265/230/177	330/261/194
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	2.3	2.3	2.5	3.0	2.5
Indoor dB(A)*	31/29/22	37/31/27	39/25/21	43/39/31	39/25/21
Outdoor dB(A)*	50	50	50	50	50
<b>Electrical</b>					
Rated Voltage Outdoor	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
Rated Voltage Indoor	36V DC	36V DC	36V DC	36V DC	36V DC
<b>Indoor Dimensions</b>					
W x H x D (inches)	33 1/16 x 10 5/8 x 6 1/32	22 13/32 x 22 13/32 x 5 3/8	35 3/16 x 11 x 6 1/2	22 13/32 x 22 13/32 x 5 3/8	36 x 11 3/32 x 6 1/2
Weight (lbs.)	15.4	24.9	20.5	24.9	20.5
<b>Outdoor Dimensions</b>					
W x H x D (inches)	40 5/32 x 34 3/16 x 17 5/16	40 5/32 x 34 3/16 x 17 5/16	40 5/32 x 34 3/16 x 17 5/16	40 5/32 x 34 3/16 x 17 5/16	40 5/32 x 34 3/16 x 17 5/16
Weight (lbs.)	139.0	139.0	139.0	139.0	139.0
<b>Thermostat Range</b>					
Cooling/Heating (°F)	64-86	64-86	64-86	64-86	64-86

\*LG verified sound ratings

Indoor Model H/P #	LMI090HP	LMA090HP	LMI120HP	LMA120HP	LMA121HPM
<b>Performance</b>					
Capacity (BTUs)	C 9,000/8,850	9,000/8,850	12,000/11,800	12,000/11,800	12,000/11,800
	H 9,000/9,000	9,000/9,000	12,000/12,000	12,000/12,000	12,000/12,000
Air Circulation (CFM H/M/L)	250/210/170	264/230/177	330/280/230	318/261/194	330/261/194
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	2.3	2.3	2.5	3.0	2.5
Indoor dB(A)*	31/29/22	37/31/27	39/25/21	43/39/31	39/25/21
Outdoor dB(A)*	50	50	50	50	50
<b>Electrical</b>					
Rated Voltage Outdoor	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
Rated Voltage Indoor	36V DC	36V DC	36V DC	36V DC	36V DC
<b>Indoor Dimensions</b>					
W x H x D (inches)	33 1/16 x 10 5/8 x 6 1/32	22 13/32 x 22 13/32 x 5 3/8	35 3/16 x 11 x 6 1/2	22 13/32 x 22 13/32 x 5 3/8	36 x 11 3/32 x 6 1/2
Weight (lbs.)	15.4	24.9	20.5	24.9	20.5
<b>Thermostat Range</b>					
Cooling/Heating (°F)	64-86/60-86	64-86/60-86	64-86/60-86	64-86/60-86	64-86/60-86

\*LG verified sound ratings

## Flex Multi Outdoor Units

### Outdoor Unit Cooling Only

#### C LMO240C

Choose any two indoor cooling units for a combined 18,000 - 24,000 BTUs cooling. Pick the same style, or mix and match.



#### C H LMO240H

Choose any two indoor heat pump units for a combined 18,000 - 24,000 BTUs heating/cooling. Pick the same style, or mix and match.



#### C LMO360C

Choose any three indoor cooling units for a combined 27,000 - 36,000 BTUs cooling. Pick the same style, or mix and match.



#### C H LMO360H

Choose any three indoor heat units for a combined 27,000 - 36,000 BTUs heating/cooling. Pick the same style, or mix and match.



Model #	LMO240C	LMO240H	LMO360C	LMO360H
<b>Outdoor Dimensions</b>				
W x H x D (inches)	40 5/32 x 40 7/8 x 17 5/16	40 5/32 x 40 7/8 x 17 5/16	41 5/32 x 44 7/8 x 17 5/16	41 5/32 x 44 7/8 x 17 5/16
Weight (lbs.)	139.0	139.0	172.0	172.0
<b>Thermostat Range</b>				
Cooling/Heating (°F)	64-86/60-86	64-86/60-86	64-86/60-86	64-86/60-86

\*LG verified sound ratings

**HIGH WALL DUCTLESS • FLEX MULTI-SPLIT DUAL AND TRI-ZONE**

**ELECTRICAL AND REFRIGERATION • QUICK REFERENCE**

Electrical Specifications <sup>†</sup>									
	Type	System	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**
					Indoor	Outdoor			
Flex Multi	A/C	C	LMI090CP	9,000	36V DC	–	0.5	–	–
Split Indoor Units	A/C	C	LMA090CP	9,000	36V DC	–	1.3	–	–
	A/C	C	LMI120CP	12,000	36V DC	–	0.5	–	–
	A/C	C	LMA120CP	12,000	36V DC	–	1.3	–	–
	A/C	C	LMA121CPM	12,000	36V DC	–	0.5	–	–
	H/P	C H	LMI090HP	9,000	36V DC	–	0.5	–	–
	H/P	C H	LMA090HP	9,000	36V DC	–	1.3	–	–
	H/P	C H	LMI120HP	12,000	36V DC	–	0.5	–	–
	H/P	C H	LMA120HP	12,000	36V DC	–	1.3	–	–
Outdoor Units	H/P	C H	LMA121HPM	12,000	36V DC	–	0.5	–	–
	A/C	C	LMO240C	24,000	–	230/208	11.1	20	30
	A/C	C	LMO360C	36,000	–	230/208	16.6	30	40
	H/P	C H	LMO240H	24,000	–	230/208	11.1	20	30
	H/P	C H	LMO360H	36,000	–	230/208	16.6	30	40

†All equipment single phase

NOTE: Please consult local electrical codes for proper wire requirements.

\*Minimum Circuit Ampacity  
\*\*Maximum Overcurrent Protection

**Indoor Wire Size**  
Indoor/Outdoor Connecting Cable Minimum AWG 18-4

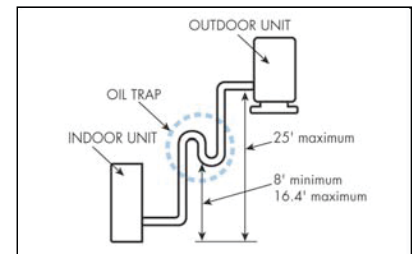
Refrigerant Line Specifications***									
	Type	System	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation
					Liquid	Suction			
Flex Multi Split	A/C	C	LMI090CP	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	A/C	C	LMA090CP	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	A/C	C	LMI120CP	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	A/C	C	LMA120CP	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	A/C	C	LMA121CPM	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LMI090HP	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LMA090HP	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LMI120HP	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LMA120HP	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
	H/P	C H	LMA121HPM	12,000	1/4"	3/8"	0.22 oz./ft.	50'	25'

\*\*\*Each outdoor unit is pre-charged with enough refrigerant to charge the indoor unit and up to 25 ft. of line set. You must adjust the charge if this length varies.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with maximum elevation of 25 ft. (see chart above and Figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

Each system should have a 6-8 inch inverted trap at the condensing unit if mounted above indoor unit.

Figure A:  
Oil trap required at 8-16.4 ft. elevation (condenser over evaporator).



# FLEX MULTI-SPLIT DUAL-, TRI- & QUAD-ZONE AIR CONDITIONING SYSTEMS

## Flex Multi-Split Systems

The larger, Flex Multi-Split systems operate two, three or four interior units that are mounted in separate rooms. Each indoor unit comes with its own remote control, allowing the customer to set the temperature individually in different rooms. These units are connected to a single exterior unit.

The interior units are available in a variety of styles, including Art Cool and Standard models. Dual-, Tri- and Quad-Zone are inverter-driven Heat Pump systems.



**Dual-Zone**  
Flex Multi-Split System  
Mix and match for 18,000-24,000 BTUs  
Heat Pump Inverter



**Tri-Zone**  
Flex Multi-Split System  
Mix and match for 27,000-33,000 BTUs  
Heat Pump Inverter



**Quad-Zone**  
Flex Multi-Split System  
Mix and match for 36,000-42,000 BTUs  
Heat Pump Inverter

### Available styles and finishes



Flex Multi-Split  
Art Cool Indoor Unit  
Mirror Finish



Flex Multi-Split  
Standard Indoor Unit



Flex Multi-Split  
Ceiling Cassette  
& Ceiling Concealed Duct

## FLEX MULTI-SPLIT

More capacity, more styles, more convenience.  
When you add up the advantages,  
the smart choice is LG.



Capacity: ↗ **4 rooms**  
Maximum Power: ↗ **42K BTUs**  
Indoor Units: ↗ **4 styles**

The new LG flex multi-split quad-zone is here with more power and design flexibility than ever before. This exciting advance in multi-split technology offers capacities up to 42,000 BTUs so you can efficiently cool up to 4 rooms off a single outdoor unit.

What's more, interior units now come in more styles, including LG's unique Art Cool™ mirrored finish, standard wall mounted, ceiling cassette and new concealed ceiling units.

Other benefits include:

- **Fast, economical installation** – no expensive ductwork, so it's ideal for retro-fits.
- **Ultra-quiet** – the ductless system keeps condenser noise outdoors.
- **All season option** – dual-, tri- and quad-zone systems are available in heat pump models.
- **SEER ratings up to 19.1** – high-tech inverter technology adjusts output to precisely match demand.
- **Lower utility bills** – room-by-room temperature control so there are no wasted dollars cooling unused rooms.

More power, style and convenience.  
More reasons why LG is the smart choice.





# WHY LG?

**Energy Saving**  
with LG Inverter Technology

**Wide Choice of Indoor Units**  
Standard, Art Cool, Concealed Ducted,  
Cassette Types

**Design Flexibility**  
Outdoor units connect to any indoor unit style

## Outdoor Units Heat Pump Inverter



DUAL-ZONE  
LMU185HV



TRI-ZONE  
LMU245HV



QUAD-ZONE  
LMU365HV

## OUTDOOR UNITS H/P INVERTER

### 24,000 BTUs

**C H** **LMU185HV**  
Dual-Zone

**C H** **LMU245HV**  
Tri-Zone

**C H** **LMU365HV**  
Quad-Zone



DUAL-ZONE  
LMU185HV

TRI-ZONE  
LMU245HV

QUAD-ZONE  
LMU365HV

#### FEATURES:

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>• Defrost /Deicing</li> <li>• Restart delay (3-minutes)</li> <li>• Self diagnosis</li> <li>• Soft start</li> <li>• Test function</li> </ul> | <ul style="list-style-type: none"> <li>• Auto operation (Artificial intelligence)</li> <li>• Auto restart operation</li> <li>• Low ambient operation</li> <li>• Gold Fin™ Anti-Corrosion</li> </ul> | <b>Exterior Unit Includes:</b> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Sufficient refrigerant for charging 2, 3 or 4 indoor coils &amp; 25' line set per indoor unit (line set not included)</li> </ul> |
|--|---|---|

Outdoor Model H/P Inverter #			LMU185HV	LMU245HV	LMU365HV
Capacity	—	—	18,000 BTU/h Class	24,000 BTU/h Class	36,000 BTU/h Class
Input					
(Min.~Rated~Max.)	Cooling	kW	0.52~1.26~2.05	0.72~1.98~3.27	0.72~3.21~3.92
	Heating	kW	0.77~1.63~2.18	0.72~2.86~3.5	0.72~3.7~4.10
Running Current (Rated)	Cooling	A	2.3~5.7~9.5	3.0~8.8~14.5	3.0~14.2~17.3
	Heating	A	3.4~7.2~9.6	4.5~12.4~15.5	4.5~16.3~18.5
Power Supply	—	Ø / V / Hz	1/208-230/60	1/208-230/60	1/208-230/60
Power Supply Cable (Outdoor)	—	No. x AWG	14/2	12/2	12/2
Power and Transmission Cable (Outdoor to Indoor unit)	—	No. x AWG	4 x 18	4 x 18	4 x 18
Dimensions (W x H x D)		inch	34.3x25.8x12.6	34.3x31.8x12.6	34.3x31.8x12.6
Net Weight	—	lbs	115	143.3	143.3
Max. # of Connectable Indoor Units	—	—	2	3	4
Refrigerant	Charge (at 24.6 ft.)	oz	59.97	89.95	89.95
	Type	—	R410A	R410A	R410A
	Control	—	EEV	EEV	EEV
Sound Level (H/L)	Sound Pressure	dB(A)+3	51/45	52	52
Piping Connections	Liquid	inch	1/4 x 2EA	1/4 x 3EA	1/4 x 4EA
	Gas	inch	3/8 x 2EA	3/8 x 3EA	3/8 x 4EA
Piping length spec.	Max. total piping	ft.	164.0	246.1	246.1
	Max. OD-ID piping	ft.	82.0	82.0	82.0
	Chargeless piping	ft.	73.8	123.0	123.0
Max. Elevation Difference	Outdoor Unit-Indoor Unit	ft.	49.2	49.2	49.2
	Indoor Unit-Indoor Unit	ft.	24.6	24.6	24.6
Operation Range	Cooling	°F	14 ~114.8	14 ~114.8	14 ~114.8
(Outdoor)	Heating	°F	5~ 75.2	5~ 75.2	5~ 75.2

**\*Note :**

- Capacities are based on the following conditions:  
Cooling: - Indoor Temperature 80°F (26.7°C) DB/67°F (19.4°C) WB  
- Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB  
Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB  
- Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB  
Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)  
- Level Difference of Zero

- Wiring cable size must comply with the applicable local and national code.
- The specification may be subject to change without prior notice for purpose of improvement.
- For more capacity(\*) information, refer to the combination tables.
- The data mentioned in the above table are only for non-ducted type of indoor unit.

## STANDARD • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMN095HV** (H/P Model)

**LMN125HV** (H/P Model)

**LMN185HV** (H/P Model)



### FEATURES:

- |  |  |   |   |
|--|--|---|---|
| <ul style="list-style-type: none"> <li>• Inverter Compressor</li> <li>• Chaos Swing</li> <li>• Jet Cool</li> <li>• Plasma air purifying system</li> <li>• Self-cleaning indoor coil</li> <li>• Auto operation (Artificial Intelligence)</li> </ul> | <ul style="list-style-type: none"> <li>• Auto restart operation</li> <li>• 24-Hour on/off timer</li> </ul> | <b>Interior Unit Includes:</b> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> <li>• Wireless LCD remote control, batteries, holder &amp; holder hardware</li> <li>• Owner's manual</li> </ul> | <ul style="list-style-type: none"> <li>• Installation manual</li> </ul> |
|--|--|---|---|

Indoor Model H/P Inverter #	LMN095HV	LMN125HV	LMN185HV
<b>Performance</b>			
Capacity*	9,000 BTU/h Class	12,000 BTU/h Class	18,000 BTU/h Class
Fan Air Flow Rate (CMM)	8.0/7.0/5.0	10.0/8.0/6.0	12.0/10.5/9.0
Fan H/M/L (CFM)	282/247/177	323/283/212	424/371/318
Dehumidification Rate (Pts/hr)	2.5	3.2	4.2
Sound Level H/M/L (dB(A)+3)	31/26/22	35/28/24	37/34/31
<b>Electrical</b>			
Nominal Running Current (A)	0.15	0.15	0.25
Power Supply (Ø/V/Hz)	1/208~230/60	1/208~230/60	1/208~230/60
<b>Piping Connections</b>			
Liquid (inches)	1/4	1/4	1/4
Gas (inches)	3/8	3/8	1/2
Drain OD, ID (inches)	4/5, 5/8	4/5, 5/8	4/5, 5/8
Temperature Sensor	Thermistor	Thermistor	Thermistor
Refrigerant	R410A	R410A	R410A
Connectable Outdoor Unit	Multi F series	Multi F series	Multi F series
Power/Transmission Interunit Cable (No. x AWG)	14/3	14/3	14/3
Coil (Row/Column/FPI)	2R x 15C x 18	2R x 15C x 18	2R x 15C x 20
<b>Dimensions (WxHxD)</b>			
Body (inches)	36.0 x 11.1 x 6.5	36.0 x 11.1 x 6.5	42.9 x 11.8 x 7.1
Decorative Panel (inches)	-	-	-
Net Weight Body (lbs)	20.9	20.9	28.7
Net Weight Decorative Panel (lbs)	-	-	-

\*Note :

- Capacities are based on the following conditions:  
 Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB  
           - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB  
 Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB  
           - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB  
 Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)  
                   - Level Difference of Zero

- Wiring cable size must comply with the applicable local and national code.
- The specification may be subject to change without prior notice for purpose of improvement.
- For more capacity(\*) information, refer to the combination tables.

Warranty: 2 years parts; 5 years compressor.

See page 31 for electrical specifications, refrigerant line requirements & formulas.

## ART COOL • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMAN095HV** (H/P Model)

**LMAN125HV** (H/P Model)

**LMAN185HV** (H/P Model)



**Inverter**

### FEATURES:

- |   |  |   |  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li>• Changeable front color panel option</li> <li>• Inverter Compressor</li> <li>• Chaos Swing</li> <li>• Jet Cool</li> <li>• Plasma air purifying system</li> <li>• Self-cleaning indoor coil</li> </ul> | <ul style="list-style-type: none"> <li>• Auto operation (Artificial Intelligence)</li> <li>• Auto restart operation</li> <li>• 24-Hour on/off timer</li> </ul> | <b>Interior Unit Includes:</b> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> <li>• Wireless LCD remote control, batteries, holder &amp; holder hardware</li> <li>• Owner's manual</li> </ul> | <ul style="list-style-type: none"> <li>• Installation manual</li> <li>• Standard mirror panel</li> </ul> |
|---|--|---|--|

Indoor Model H/P Inverter #	LMAN095HV	LMAN125HV	LMAN185HV
<b>Performance</b>			
Capacity*	9,000 BTU/h Class	12,000 BTU/h Class	18,000 BTU/h Class
Fan Air Flow Rate (CMM)	8.0/7.0/5.0	10.0/8.0/6.0	12.6/11.5/10
Fan H/M/L (CFM)	282/247/177	353/283/212	445/406/353
Dehumidification Rate (Pts/hr)	2.5	3.2	4.2
Sound Level H/M/L (dB(A)+3)	31/26/22	35/28/24	39/37/35
<b>Electrical</b>			
Nominal Running Current (A)	0.15	0.15	0.25
Power Supply (Ø/V/Hz)	1/208~230/60	1/208~230/60	1/208~230/60
<b>Piping Connections</b>			
Liquid (inches)	1/4	1/4	1/4
Gas (inches)	3/8	3/8	1/2
Drain OD,ID (inches)	4/5, 5/8	4/5, 5/8	4/5, 5/8
Temperature Sensor	Thermistor	Thermistor	Thermistor
Refrigerant	R410A	R410A	R410A
Connectable Outdoor Unit	Multi F series	Multi F series	Multi F series
Power/Transmission Interunit Cable (No. x AWG)	14/3	14/3	14/3
Coil (Row/Column/FPI)	2R x 15C x 18	2R x 15C x 18	2R x 15C x 20
<b>Dimensions (WxHxD)</b>			
Body (inches)	36.0 x 11.1x6.5	36.0 x 11.1 x 6.5	43.6 x 11.8 x 7.9
Decorative Panel (inch)	-	-	-
Net Weight Body (lbs)	20.9	20.9	31.09
Net Weight Decorative Panel (lbs)	-	-	-

\*Note :

1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 80°F (26.7°C ) DB/67°F (19.4°C) WB

- Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB

Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB

- Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB

Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)

- Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

4. For more capacity(\*) information, refer to the combination tables.

Warranty: 2 years parts; 5 years compressor.

See page 31 for electrical specifications, refrigerant line requirements & formulas.

## CEILING CONCEALED DUCT • FLEX MULTI-SPLIT

### 9,000-18,000 BTUs

**LMDN095HV** (H/P Model)

**LMDN125HV** (H/P Model)

**LMDN185HV** (H/P Model)



#### FEATURES:

• Optional wired remote control

- Inverter Compressor
- Drain pump
- Control lock function
- Auto operation (Artificial Intelligence)

- Auto restart operation
- 2 thermistor control

#### Interior Unit Includes:

- Ceiling unit
- Owner's manual
- Installation manual

Indoor Model H/P Inverter #	LMDN095HV	LMDN125HV	LMDN185HV
<b>Performance</b>			
Capacity*	9,000 BTU/h Class	12,000 BTU/h Class	18,000 BTU/h Class
Fan Air Flow Rate (CMM)	8.5/7.5/6.5	9.5/8.5/7.5	15/13.5/11.5
Fan H/M/L (CFM)	300/265/230	336/300/265	530/477/406
Dehumidification Rate (Pts/hr)	2.1	2.5	4.2
Sound Level H/M/L (dB(A)+3)	32/26/25	33/31/26	34/31/29
<b>Electrical</b>			
Nominal Running Current (A)	0.25	0.25	0.25
Power Supply (Ø/V/Hz)	1/208~230/60	1/208~230/60	1/208~230/60
<b>Piping Connections</b>			
Liquid (inches)	1/4	1/4	1/4
Gas (inches)	3/8	3/8	1/2
Drain OD,ID (inches)	1 1/4, 1	1 1/4, 1	1 1/4, 1
Temperature Sensor	Thermistor	Thermistor	Thermistor
Refrigerant	R410a	R410a	R410a
Connectable Outdoor Unit	Multi F series	Multi F series	Multi F series
Power/Transmission Interunit Cable (No. x AWG)	14/3	14/3	14/3
Coil (Row/Column/FPI)	2R x 12C x 21	2R x 12C x 21	2R x 11C x 21
<b>Dimensions (WxHxD)</b>			
Body (inches)	32.3 x 7.5 x 22.6	32.3 x 7.5 x 22.6	43.3 x 7.5 x 22.6
Decorative Panel (inches)	-	-	-
Net Weight Body (lbs)	45.2	45.2	58.4
Net Weight Decorative Panel (lbs)	-	-	-

\*Note :

- Capacities are based on the following conditions:  
Cooling: - Indoor Temperature 80°F (26.7°C) DB/67°F (19.4°C) WB  
- Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB  
Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB  
- Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB  
Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)  
- Level Difference of Zero

- Wiring cable size must comply with the applicable local and national codes.
- The specification may be subject to change without prior notice for purpose of improvement.
- For more capacity(\*) information, refer to the combination tables.

Warranty: 2 years parts; 5 years compressor.

See page 31 for electrical specifications, refrigerant line requirements & formulas.



## CEILING CASSETTE • FLEX MULTI-SPLIT

### 12,000-18,000 BTUs

**LMCN125HV** (H/P Model)

**LMCN185HV** (H/P Model)



#### FEATURES:

<ul style="list-style-type: none"> <li>• Inverter Compressor</li> <li>• Drain pump</li> <li>• Jet Cool</li> <li>• Plasma air purifying system</li> <li>• Control lock function</li> <li>• Auto operation (Artificial Intelligence)</li> </ul>	<ul style="list-style-type: none"> <li>• Auto restart operation</li> <li>• 24-Hour on/off timer</li> <li>• 2 thermistor control</li> </ul>	<b>Interior Unit Includes:</b> <ul style="list-style-type: none"> <li>• Ceiling unit</li> <li>• Wireless LCD remote control, batteries</li> <li>• Owner's manual</li> <li>• Installation manual</li> </ul>	<ul style="list-style-type: none"> <li>• Ceiling Grill (required). Order Separately PT_UMC 37 13/32" x 37 13/32" x 1 3/16", 6.6 lbs</li> </ul>
---	--	--	--

Indoor Model H/P Inverter #	LMCN125HV	LMCN185HV
<b>Performance</b>		
Capacity*	12,000 BTU/h Class	18,000 BTU/h Class
Fan Air Flow Rate (CMM)	9.5/8/7	13/12/11
Fan H/M/L (CFM)	810/710/610/540/500	780/670/620/570/530
Dehumidification Rate (Pts/hr)	4.2	4.2
Sound Level H/M/L (dB(A)+3)	38/35/32	38/37/34
<b>Electrical</b>		
Nominal Running Current (A)	0.25	0.25
Power Supply (Ø/V/Hz)	1/208~230/60	1/208~230/60
<b>Piping Connections</b>		
Liquid (inches)	1/4	1/4
Gas (inches)	3/8	1/2
Drain OD,ID (inches)	1 1/4, 1	1 1/4, 1
Temperature Sensor	Thermistor	Thermistor
Refrigerant	R410a	R410a
Connectable Outdoor Unit	Multi F series	Multi F series
Power/Transmission Interunit Cable (No. x AWG)	14/3	14/3
Coil (Row/Column/FPI)	2R x 8C x 18	2R x 10C x 18
<b>Dimensions (WxHxD)</b>		
Body (inches)	22.4 x 8.4 x 22.4	22.4 x 10 x 22.4
Decorative Panel (inches)	27.6 x 1.2 x 27.6	27.6 x 1.2 x 27.6
Net Weight Body (lbs)	30.9	33.1
Net Weight Decorative Panel (lbs)	6.6	6.6

\*Note :

- Capacities are based on the following conditions:  
 Cooling: - Indoor Temperature 80°F (26.7°C) DB/67°F (19.4°C) WB  
 - Outdoor Temperature 95°F (35°C) DB/75°F (23.9°C) WB  
 Heating: - Indoor Temperature 70°F (21.1°C) DB/60°F (15.6°C) WB  
 - Outdoor Temperature 47°F (8.3°C) DB/43°F (6.1°C) WB  
 Piping Length: - Interconnecting Piping Length 24.6 ft.(7.5m)  
 - Level Difference of Zero















- Wiring cable size must comply with the applicable local and national codes.
- The specification may be subject to change without prior notice for purpose of improvement.
- For more capacity(\*) information, refer to the combination tables.

Warranty: 2 years parts; 5 years compressor.

See page 31 for electrical specifications, refrigerant line requirements & formulas.

## FLEX MULTI-SPLIT • DUAL-, TRI-, & QUAD-ZONE

### ELECTRICAL & REFRIGERATION • QUICK REFERENCE












Electrical Specifications								
Zone	Type	Model	Voltage		Rated Amps	MCA*	MOP**	
			Indoor	Outdoor				
Flex Multi-Split Indoor Units	H/P	 LMN095HV	208/230	—	0.15	—	—	
	H/P	 LMAN095HV	208/230	—	0.15	—	—	
	H/P	 LMDN095HV	208/230	—	0.25	—	—	
	H/P	 LMN125HV	208/230	—	0.15	—	—	
	H/P	 LMAN125HV	208/230	—	0.15	—	—	
	H/P	 LMDN125HV	208/230	—	0.25	—	—	
	H/P	 LMCN185HV	208/230	—	0.25	—	—	
	H/P	 LMN185HV	208/230	—	0.15	—	—	
	H/P	 LMAN185HV	208/230	—	0.15	—	—	
	H/P	 LMDN185HV	208/230	—	0.25	—	—	
	H/P	 LMCN185HV	208/230	—	0.25	—	—	
	Outdoor Units	H/P	 LMU185HV	—	208/230	—	12.6	30
H/P		 LMU245HV	—	208/230	—	16.4	30	
H/P		 LMU365HV	—	208/230	—	19.0	40	

All equipment are single phase.

NOTE: Please consult local electrical codes for proper wire requirements.



\*Minimum Circuit Ampacity \*\*Maximum Overcurrent Protection \*\*\*For LMU245HV, LMU365HV

Wire Size	
Minimum wiring requirements suggested by manufacturer	
Minimum AWG (Outdoor) 18,000 BTU	14-2
24,000 and 36,000 BTU	12-2***
Indoor Connecting Cable Minimum AWG	14-3

Refrigerant Line & Formula Specifications <sup>†</sup>								
	Type	Model	Pipe size		Additional Refrigerant	Max. Length Each Pipe	Max. Elevation	
			Liquid	Suction				
Flex Multi-Split	H/P	 LMN095HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMAN095HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMDN095HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMN125HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMAN125HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMDN125HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMCN125HV	1/4"	3/8"	0.22 oz./ft.	82'	49'	
	H/P	 LMN185HV	1/4"	1/2"	0.22 oz./ft.	82'	49'	
	H/P	 LMAN185HV	1/4"	1/2"	0.22 oz./ft.	82'	49'	
	H/P	 LMDN185HV	1/4"	1/2"	0.22 oz./ft.	82'	49'	
	H/P	 LMCN185HV	1/4"	1/2"	0.22 oz./ft.	82'	49'	

\*3/8" Female flare to 1/2" male flare adapter included with indoor unit.

## MULTI-SPLIT SYSTEM

System	Combined With	Nominal	EER	Nominal	Heating Capacity	COP	Low	Low	HSPF	
		Cooling Capacity		SEER			Heating Capacity	COP		
		BTU/h			BTU/h		BTU/h			
LMU185HV	Non-Ducted Indoor Unit	16,500	12.3	15.1	17,600	3.2	12,500	2.4	8.7	
	Ducted Indoor Unit	18,000	11.7	15.4	19,000	3.4	13,130	2.5	8.5	
	Mixed Ducted & Non-Ducted	18,000	12.0	15.3	19,000	3.3	12,810	2.5	8.6	
LMU245HV	Non-Ducted Indoor Unit	23,400	12.0	19.1	28,800	3.2	20,160	2.5	10.3	
	Ducted Indoor Unit	24,000	11.5	18.1	28,800	3.3	20,168	2.6	9.8	
	Mixed Ducted & Non-Ducted	24,000	12.0	18.6	28,800	3.3	20,664	2.5	10.1	
LMU365HV	Non-Ducted Indoor Unit	34,000	9.6	18.5	37,000	2.9	26,100	2.3	9.8	
	Ducted Indoor Unit	34,000	9.1	17.6	37,000	3.1	27,405	2.4	9.3	
	Mixed Ducted & Non-Ducted	34,000	9.4	18.1	37,000	3.0	26,750	2.3	9.6	

### Accessory

Wired Wall Thermostat for Flex-Multi Split System  
(Applied to Ceiling Concealed Duct, Ceiling Cassette)



PQRUSA0

Model	Indoor Units	Max Vertical	Longest Run	Max Pipe
LMU185HV	2	49 ft.	82 ft.	164 ft.
LMU245HV	3	49 ft.	82 ft.	246 ft.
LMU365HV	4	49 ft.	82 ft.	246 ft.

## FLEX MULTI-SPLIT • COMBINATION OF INDOOR UNIT

### LMU185HV

#### Non Ducted Type Indoor Unit Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	8,250	8,250	-	-
	9	12	-	-	21	7,714	10,286	-	-
	12	12	-	-	24	9,000	9,000	-	-

#### Heating

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
2 INDOOR UNITS	9	9	-	-	18	8,800	8,800	-	-
	9	12	-	-	21	8,143	10,857	-	-
	12	12	-	-	24	9,500	9,500	-	-

#### Ducted Type Indoor Unit Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,000	9,000	-	-
	9	12	-	-	21	7,714	10,286	-	-
	12	12	-	-	24	9,000	9,000	-	-

#### Heating

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,500	9,500	-	-
	9	12	-	-	21	8,486	11,314	-	-
	12	12	-	-	24	9,900	9,900	-	-

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
6,300	1.9	9,000	2.6	9,900	2.9	520	850	980	2.3	3.8	4.5	10.4	-	
7,200	2.1	12,000	3.5	13,200	3.9	640	1,070	1,320	2.8	4.7	5.7	10.6	-	
9,900	2.9	16,500	4.9	19,000	5.6	756	1,260	1,720	3.4	5.7	7.5	12.3	15.1	
10,800	3.2	18,000	5.3	19,800	5.8	834	1,390	1,850	3.6	6.0	8.1	12.2	14.4	
10,800	3.2	18,000	5.3	19,800	5.8	930	1,550	2,050	4.1	6.8	9.5	12.0	14.2	

	Total Capacity						Input(W)			Current(A)			COP	HSPF
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
7,500	2.2	9,900	2.9	10,890	3.2	770	1,290	1,520	3.4	5.7	6.6	2.3	-	
7,920	2.3	13,200	3.9	14,520	4.3	820	1,370	1,610	3.6	5.9	7.0	2.8	-	
10,560	3.1	17,600	5.2	21,000	6.2	980	1,630	2,000	4.3	7.2	8.8	3.2	8.7	
11,400	3.4	19,000	5.6	21,300	6.3	1,020	1,700	2,060	4.4	7.4	8.9	3.1	8.3	
11,400	3.4	19,000	5.6	21,300	6.3	1,100	1,840	2,180	4.9	8.1	9.6	3.2	8.3	

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
6,300	1.9	9,000	2.6	9,900	2.9	550	890	1,030	2.3	4.0	4.7	9.9	-	
7,200	2.1	12,000	3.5	13,200	3.9	670	1,120	1,390	2.8	4.9	6.0	10.1	-	
10,800	3.2	18,000	5.3	19,000	5.6	790	1,320	1,810	3.6	6.0	7.9	11.7	15.4	
10,800	3.2	18,000	5.3	19,800	5.8	880	1,460	1,940	3.8	6.3	8.5	11.6	14.6	
10,800	3.2	18,000	5.3	19,800	5.8	980	1,630	2,150	4.3	7.1	9.0	11.4	14.6	

	Total Capacity						Input(W)			Current(A)			COP	HSPF
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
7,500	2.2	9,900	2.9	10,890	3.2	730	1,230	1,440	3.2	5.4	6.3	2.4	-	
7,920	2.3	13,200	3.9	14,520	4.3	780	1,300	1,530	3.4	5.6	6.7	3.0	-	
11,400	3.4	19,000	5.6	21,000	6.2	930	1,550	1,900	4.1	6.8	8.4	3.4	8.5	
11,880	3.5	19,800	5.8	23,000	6.8	970	1,620	1,960	4.2	7.0	8.5	3.2	8.2	
11,880	3.5	19,800	5.8	23,000	6.8	1,050	1,750	2,070	4.7	7.7	9.1	3.3	8.2	



**FLEX MULTI-SPLIT • COMBINATION OF INDOOR UNIT****LMU245HV****Non Ducted Type Indoor Unit  
Cooling**

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
	18	-	-	-	18	18,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,000	9,000	-	-
	9	12	-	-	21	9,000	12,000	-	-
	12	12	-	-	24	11,700	11,700	-	-
	9	18	-	-	27	7,800	15,600	-	-
3 INDOOR UNITS	12	18	-	-	30	9,600	14,400	-	-
	9	9	9	-	27	7,800	7,800	7,800	-
	9	9	12	-	30	7,200	7,200	9,600	-
	9	12	12	-	33	6,545	8,727	8,727	-

**Heating**

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
	18	-	-	-	18	19,800	-	-	-
2 INDOOR UNITS	9	9	-	-	18	10,350	10,350	-	-
	9	12	-	-	21	10,350	13,800	-	-
	12	12	-	-	24	14,400	14,400	-	-
	9	18	-	-	27	9,600	19,200	-	-
3 INDOOR UNITS	12	18	-	-	30	11,520	17,280	-	-
	9	9	9	-	27	9,600	9,600	9,600	-
	9	9	12	-	30	8,640	8,640	11,520	-
	9	12	12	-	33	7,855	10,473	10,473	-

**Ducted Type Indoor Unit  
Cooling**

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
	18	-	-	-	18	18,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,000	9,000	-	-
	9	12	-	-	21	9,000	12,000	-	-
	12	12	-	-	24	12,000	12,000	-	-
	9	18	-	-	27	8,000	16,000	-	-
3 INDOOR UNITS	12	18	-	-	30	9,600	14,400	-	-
	9	9	9	-	27	8,000	8,000	8,000	-
	9	9	12	-	30	7,200	7,200	9,600	-
	9	12	12	-	33	6,545	8,727	8,727	-

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
	BTU/h	kW	BTU/h	kW	BTU/h	kW	Min	Rated	Max	Min	Rated	Max	Rated	Rated
	6,300	1.9	9,000	2.6	9,900	2.9	720	900	1,125	3.0	4.4	5.5	10.0	-
	7,200	2.1	12,000	3.5	13,200	3.9	720	1,090	1,360	3.0	4.9	6.1	11.0	-
	10,800	3.2	18,000	5.3	19,800	5.8	900	1,500	2,310	4.0	6.7	10.2	11.2	-
	10,800	3.2	18,000	5.3	19,800	5.8	934	1,556	2,434	4.1	6.9	10.8	11.4	17.5
	12,600	3.7	21,000	6.2	23,100	6.8	1,061	1,768	2,632	4.7	7.8	11.7	11.4	17.5
	14,040	4.1	23,400	6.9	28,800	8.5	1,188	1,980	2,830	5.3	8.8	12.6	11.4	17.5
	14,040	4.1	23,400	6.9	31,000	9.1	1,140	1,900	3,270	5.5	9.1	14.5	11.6	17.9
	14,400	4.2	24,000	7.1	31,000	9.1	1,230	2,050	3,270	5.5	9.1	14.5	11.6	17.9
	14,040	4.1	23,400	6.9	31,000	9.1	1,140	1,900	3,270	5.5	9.1	14.5	12.0	19.1
	14,400	4.2	24,000	7.1	31,000	9.1	1,230	2,050	3,270	5.5	9.1	14.5	11.7	18.7
	14,400	4.2	24,000	7.1	31,000	9.1	1,230	2,050	3,270	5.5	9.1	14.5	11.7	18.7

	Total Capacity						Input(W)			Current(A)			COP	HSPF
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
	BTU/h	kW	BTU/h	kW	BTU/h	kW	Min	Rated	Max	Min	Rated	Max	Rated	Rated
	7,500	2.2	9,900	2.9	10,890	3.2	720	1,200	2,000	4.5	5.6	9.1	2.4	-
	7,920	2.3	13,200	3.9	14,520	4.3	1,020	1,700	2,240	4.8	7.9	10.2	2.3	-
	11,880	3.5	19,800	5.8	21,780	6.4	1,476	2,460	3,090	6.7	11.2	14.0	2.4	-
	12,420	3.7	20,700	6.1	22,770	6.7	1,554	2,590	3,090	6.9	11.4	14.1	2.3	8.5
	14,490	4.3	24,150	7.1	26,560	7.8	1,608	2,680	3,100	7.2	12.0	13.9	2.6	8.5
	17,280	5.1	28,800	8.5	32,000	9.4	1,716	2,860	3,300	7.5	12.4	14.6	3.0	8.5
	17,280	5.1	28,800	8.5	33,000	9.7	1,716	2,860	3,300	7.5	12.4	14.6	3.0	8.7
	17,280	5.1	28,800	8.5	33,000	9.7	1,932	3,220	3,500	8.4	14.0	15.5	2.6	8.7
	17,280	5.1	28,800	8.5	33,000	9.7	1,596	2,660	3,300	7.1	11.8	14.6	3.2	10.3
	17,280	5.1	28,800	8.5	33,000	9.7	1,932	3,220	3,500	8.5	14.2	15.5	2.6	9.5
	17,280	5.1	28,800	8.5	33,000	9.7	1,932	3,220	3,500	8.5	14.2	15.5	2.6	9.5

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
	BTU/h	kW	BTU/h	kW	BTU/h	kW	Min	Rated	Max	Min	Rated	Max	Rated	Rated
	6,300	1.9	9,000	2.6	9,900	2.9	760	950	1,180	3.2	4.6	5.8	9.5	-
	7,200	2.1	12,000	3.5	13,200	3.9	760	1,140	1,430	3.2	5.1	6.4	10.5	-
	10,800	3.2	18,000	5.3	19,800	5.8	950	1,580	2,430	4.2	7.0	10.7	10.6	-
	10,800	3.2	18,000	5.3	19,800	5.8	980	1,630	2,560	4.3	7.2	11.3	10.8	16.6
	12,600	3.7	21,000	6.2	23,100	6.8	1,110	1,860	2,760	4.9	8.2	12.3	10.8	16.6
	14,400	4.2	24,000	7.1	28,800	8.5	1,250	2,080	2,970	5.5	9.2	13.2	10.8	16.6
	14,400	4.2	24,000	7.1	31,000	9.1	1,200	2,000	3,430	5.7	9.5	15.2	11.0	17.0
	14,400	4.2	24,000	7.1	31,000	9.1	1,290	2,150	3,430	5.7	9.5	15.2	11.0	17.0
	14,400	4.2	24,000	7.1	31,000	9.1	1,200	2,000	3,430	5.7	9.5	15.2	11.5	18.1
	14,400	4.2	24,000	7.1	31,000	9.1	1,290	2,150	3,430	5.7	9.5	15.2	11.1	17.8
	14,400	4.2	24,000	7.1	31,000	9.1	1,290	2,150	3,430	5.7	9.5	15.2	11.1	17.8

## FLEX MULTI-SPLIT • COMBINATION OF INDOOR UNIT

### Ducted Type Indoor Unit *continued* Heating

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
	18	-	-	-	18	19,800	-	-	-
2 INDOOR UNITS	9	9	-	-	18	10,350	10,350	-	-
	9	12	-	-	21	10,350	13,800	-	-
	12	12	-	-	24	14,400	14,400	-	-
	9	18	-	-	27	9,600	19,200	-	-
3 INDOOR UNITS	12	18	-	-	30	11,520	17,280	-	-
	9	9	9	-	27	9,600	9,600	9,600	-
	9	9	12	-	30	8,640	8,640	11,520	-
	9	12	12	-	33	7,855	10,473	10,473	-

### LMU365HV

### Non Ducted Type Indoor Unit (SE/S5/S8/TR/TQ) Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
	18	-	-	-	18	18,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,000	9,000	-	-
	9	12	-	-	21	9,000	12,000	-	-
	12	12	-	-	24	12,000	12,000	-	-
	9	18	-	-	27	9,000	18,000	-	-
	12	18	-	-	30	11,600	17,400	-	-
	18	18	-	-	36	16,500	16,500	-	-
3 INDOOR UNITS	9	9	9	-	27	9,000	9,000	9,000	-
	9	9	12	-	30	9,000	9,000	12,000	-
	9	12	12	-	33	8,618	11,491	11,491	-
	12	12	12	-	36	11,333	11,333	11,333	-
	9	9	18	-	36	8,500	8,500	17,000	-
	9	12	18	-	39	7,846	10,462	15,692	-
	12	12	18	-	42	9,714	9,714	14,571	-
	9	18	18	-	45	6,800	13,600	13,600	-
	12	18	18	-	48	8,500	12,750	12,750	-
	4 INDOOR UNITS	9	9	9	9	36	8,500	8,500	8,500
	9	9	9	12	39	7,846	7,846	7,846	10,462
	9	9	12	12	42	7,286	7,286	9,714	9,714
	9	12	12	12	45	6,800	9,067	9,067	9,067
	9	9	9	18	45	6,800	6,800	6,800	13,600

	Total Capacity						Input(W)			Current(A)			COP	HSPF
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW									
7,500	2.2	9,900	2.9	10,890	3.2	720	1,140	1,900	4.3	5.3	8.7	2.5	-	
7,920	2.3	13,200	3.9	14,520	4.3	721	1,620	2,130	4.5	7.5	9.7	2.4	-	
11,880	3.5	19,800	5.8	21,780	6.4	722	2,340	2,940	6.4	10.7	13.3	2.5	-	
12,420	3.7	20,700	6.1	22,770	6.7	723	2,460	2,940	6.5	10.9	13.4	2.5	8.1	
14,490	4.3	24,150	7.1	26,560	7.8	724	2,550	2,950	6.9	11.4	13.2	2.8	8.1	
17,280	5.1	28,800	8.5	32,000	9.4	725	2,720	3,140	7.1	11.8	13.9	3.1	8.1	
17,280	5.1	28,800	8.5	33,000	9.7	726	2,720	3,140	7.1	11.8	13.9	3.1	8.3	
17,280	5.1	28,800	8.5	33,000	9.7	727	3,060	3,330	8.0	13.3	14.8	2.8	8.3	
17,280	5.1	28,800	8.5	33,000	9.7	728	2,530	3,140	6.7	11.2	13.9	3.3	9.8	
17,280	5.1	28,800	8.5	33,000	9.7	729	3,060	3,330	8.1	13.5	14.8	2.8	9.0	
17,280	5.1	28,800	8.5	33,000	9.7	730	3,060	3,330	8.1	13.5	14.8	2.8	9.0	

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW									
6,300	1.9	9,000	2.6	9,900	2.9	720	900	1,125	3.0	4.4	5.5	10.0	-	
7,200	2.1	12,000	3.5	13,200	3.9	720	1,090	1,360	3.0	4.9	6.1	11.0	-	
10,800	3.2	18,000	5.3	19,800	5.8	900	1,500	2,310	4.0	6.7	10.2	12.0	-	
10,800	3.2	18,000	5.3	19,800	5.8	934	1,556	2,434	4.1	6.9	10.8	11.6	15.1	
12,600	3.7	21,000	6.2	23,100	6.8	1,025	1,708	2,632	4.4	7.4	11.7	12.3	15.3	
14,400	4.2	24,000	7.1	26,400	7.8	1,116	1,860	2,830	4.7	7.8	12.5	12.9	15.7	
16,200	4.8	27,000	7.9	29,700	8.7	1,320	2,200	3,270	5.6	9.3	14.4	12.3	16.4	
17,400	5.1	29,000	8.5	32,000	9.4	1,578	2,630	3,710	6.5	10.8	16.3	11.0	16.4	
19,800	5.8	33,000	9.7	35,000	10.3	2,124	3,540	3,920	8.5	14.2	17.3	9.3	16.4	
16,200	4.8	27,000	7.9	29,700	8.7	1,320	2,200	3,270	5.6	9.3	14.4	12.3	16.8	
18,000	5.3	30,000	8.8	33,000	9.7	1,578	2,630	3,710	6.5	10.8	16.3	11.4	16.8	
18,960	5.6	31,600	9.3	34,500	10.1	1,812	3,020	3,815	7.5	12.5	16.8	10.5	16.8	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	16.8	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	17.0	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	17.0	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	17.0	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	17.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	17.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	18.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	18.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	18.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	18.5	
20,400	6.0	34,000	10.0	36,000	10.6	2,124	3,540	3,920	8.5	14.2	17.3	9.6	18.5	

## FLEX MULTI-SPLIT • COMBINATION OF INDOOR UNIT

### Non Ducted Type Indoor Unit *continued* Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
	18	-	-	-	18	19,800	-	-	-
2 INDOOR UNITS	9	9	-	-	18	10,350	10,350	-	-
	9	12	-	-	21	10,350	13,800	-	-
	12	12	-	-	24	13,800	13,800	-	-
	9	18	-	-	27	10,350	20,700	-	-
	12	18	-	-	30	13,340	20,010	-	-
3 INDOOR UNITS	18	18	-	-	36	18,975	18,975	-	-
	9	9	9	-	27	10,350	10,350	10,350	-
	9	9	12	-	30	10,350	10,350	13,800	-
	9	12	12	-	33	9,911	13,215	13,215	-
	12	12	12	-	36	12,333	12,333	12,333	-
	9	9	18	-	36	9,250	9,250	18,500	-
	9	12	18	-	39	8,538	11,385	17,077	-
	12	12	18	-	42	10,571	10,571	15,857	-
	9	18	18	-	45	7,400	14,800	14,800	-
4 INDOOR UNITS	12	18	18	-	48	9,250	13,875	13,875	-
	9	9	9	9	36	9,250	9,250	9,250	9,250
	9	9	9	12	39	8,538	8,538	8,538	11,385
	9	9	12	12	42	7,929	7,929	10,571	10,571
	9	12	12	12	45	7,400	9,867	9,867	9,867
	9	9	9	18	45	7,400	7,400	7,400	14,800

### Ducted Type Indoor Unit Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,000	-	-	-
	12	-	-	-	12	12,000	-	-	-
	18	-	-	-	18	18,000	-	-	-
2 INDOOR UNITS	9	9	-	-	18	9,000	9,000	-	-
	9	12	-	-	21	9,000	12,000	-	-
	12	12	-	-	24	12,000	12,000	-	-
	9	18	-	-	27	9,000	18,000	-	-
	12	18	-	-	30	11,600	17,400	-	-
3 INDOOR UNITS	18	18	-	-	36	16,500	16,500	-	-
	9	9	9	-	27	9,000	9,000	9,000	-
	9	9	12	-	30	9,000	9,000	12,000	-
	9	12	12	-	33	8,618	11,491	11,491	-
	12	12	12	-	36	11,333	11,333	11,333	-
	9	9	18	-	36	8,500	8,500	17,000	-
	9	12	18	-	39	7,846	10,462	15,692	-

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW									
7,500	2.2	9,900	2.9	10,890	3.2	720	1,200	2,000	4.5	5.6	9.1	2.4	-	
7,920	2.3	13,200	3.9	14,520	4.3	1,020	1,700	2,240	4.8	7.9	10.2	2.3	-	
11,880	3.5	19,800	5.8	21,780	6.4	1,476	2,460	3,090	6.7	11.2	14.0	2.4	-	
12,420	3.7	20,700	6.1	22,770	6.7	1,554	2,590	3,090	6.9	11.4	14.1	2.3	8.5	
14,490	4.3	24,150	7.1	26,560	7.8	1,608	2,680	3,100	7.2	12.0	13.9	2.6	8.5	
16,560	4.9	27,600	8.1	30,360	8.9	1,662	2,770	3,300	7.5	12.4	13.4	2.9	8.5	
18,630	5.5	31,050	9.1	34,150	10.0	1,770	2,950	3,500	7.9	13.2	15.7	3.1	8.7	
20,010	5.9	33,350	9.8	36,680	10.8	1,878	3,130	4,010	8.4	14.0	18.0	3.1	8.7	
22,770	6.7	37,950	11.2	40,000	11.8	2,166	3,610	4,010	8.4	14.0	18.0	3.1	8.7	
18,630	5.5	31,050	9.1	35,700	10.5	1,800	3,000	3,500	8.0	13.4	15.1	3.0	8.9	
20,700	6.1	34,500	10.1	38,640	11.4	1,932	3,220	4,000	8.5	14.2	17.9	3.1	8.9	
21,804	6.4	36,340	10.7	39,820	11.7	2,076	3,460	4,050	9.2	15.3	18.2	3.1	8.9	
22,200	6.5	37,000	10.9	41,000	12.1	2,220	3,700	4,100	9.8	16.3	18.5	2.9	8.9	
22,200	6.5	37,000	10.9	41,000	12.1	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.1	
22,200	6.5	37,000	10.9	41,300	12.1	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.1	
22,200	6.5	37,000	10.9	41,600	12.2	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.1	
22,200	6.5	37,000	10.9	42,000	12.3	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.4	
22,200	6.5	37,000	10.9	42,300	12.4	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.4	
22,200	6.5	37,000	10.9	41,000	12.1	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.8	
22,200	6.5	37,000	10.9	42,300	12.4	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.8	
22,200	6.5	37,000	10.9	41,600	12.2	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.8	
22,200	6.5	37,000	10.9	42,000	12.3	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.8	
22,200	6.5	37,000	10.9	42,000	12.3	2,220	3,700	4,100	9.8	16.3	18.5	2.9	9.8	

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW									
6,300	1.9	9,000	2.6	9,900	2.9	760	950	1,180	3.2	4.6	5.8	9.5	-	
7,200	2.1	12,000	3.5	13,200	3.9	760	1,140	1,430	3.2	5.1	6.4	10.5	-	
10,800	3.2	18,000	5.3	19,800	5.8	950	1,580	2,430	4.2	7.0	10.7	11.4	-	
10,800	3.2	18,000	5.3	19,800	5.8	980	1,630	2,560	4.3	7.2	11.3	11.0	14.3	
12,600	3.7	21,000	6.2	23,100	6.8	1,080	1,790	2,760	4.6	7.7	12.2	11.7	14.5	
14,400	4.2	24,000	7.1	26,400	7.8	1,170	1,950	2,970	4.9	8.2	13.1	12.3	14.9	
16,200	4.8	27,000	7.9	29,700	8.7	1,390	2,310	3,430	5.9	9.8	15.1	11.7	15.6	
17,400	5.1	29,000	8.5	32,000	9.4	1,660	2,760	3,900	6.8	11.3	17.1	10.5	15.6	
19,800	5.8	33,000	9.7	35,000	10.3	2,230	3,720	4,120	8.9	14.9	18.2	8.9	15.6	
16,200	4.8	27,000	7.9	29,700	8.7	1,390	2,310	3,430	5.9	9.8	15.1	11.7	16.0	
18,000	5.3	30,000	8.8	33,000	9.7	1,660	2,760	3,900	6.8	11.3	17.1	10.8	16.0	
18,960	5.6	31,600	9.3	34,500	10.1	1,900	3,170	4,010	7.9	13.1	17.6	9.9	16.0	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.0	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.2	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.2	



## FLEX MULTI-SPLIT • COMBINATION OF INDOOR UNIT

### Ducted Type Indoor Unit *continued* Cooling

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
	12	12	18	-	42	9,714	9,714	14,571	-
	9	18	18	-	45	6,800	13,600	13,600	-
	12	18	18	-	48	8,500	12,750	12,750	-
4 INDOOR UNITS	9	9	9	9	36	8,500	8,500	8,500	8,500
	9	9	9	12	39	7,846	7,846	7,846	10,462
	9	9	12	12	42	7,286	7,286	9,714	9,714
	9	12	12	12	45	6,800	9,067	9,067	9,067
	9	9	9	18	45	6,800	6,800	6,800	13,600

### Heating

INDOOR UNIT	Combination of Indoor Unit (kBTU/h Class)					Each Capacity			
	UNIT-A	UNIT-B	UNIT-C	UNIT-D	Total	UNIT-A (BTU/h)	UNIT-B (BTU/h)	UNIT-C (BTU/h)	UNIT-D (BTU/h)
1 INDOOR UNIT	9	-	-	-	9	9,900	-	-	-
	12	-	-	-	12	13,200	-	-	-
	18	-	-	-	18	19,800	-	-	-
2 INDOOR UNITS	9	9	-	-	18	10,350	10,350	-	-
	9	12	-	-	21	10,350	13,800	-	-
	12	12	-	-	24	13,800	13,800	-	-
	9	18	-	-	27	10,350	20,700	-	-
	12	18	-	-	30	13,340	20,010	-	-
	18	18	-	-	36	18,975	18,975	-	-
3 INDOOR UNITS	9	9	9	-	27	10,350	10,350	10,350	-
	9	9	12	-	30	10,350	10,350	13,800	-
	9	12	12	-	33	9,911	13,215	13,215	-
	12	12	12	-	36	12,333	12,333	12,333	-
	9	9	18	-	36	9,250	9,250	18,500	-
	9	12	18	-	39	8,538	11,385	17,077	-
	12	12	18	-	42	10,571	10,571	15,857	-
	9	18	18	-	45	7,400	14,800	14,800	-
	12	18	18	-	48	9,250	13,875	13,875	-
4 INDOOR UNITS	9	9	9	9	36	9,250	9,250	9,250	9,250
	9	9	9	12	39	8,538	8,538	8,538	11,385
	9	9	12	12	42	7,929	7,929	10,571	10,571
	9	12	12	12	45	7,400	9,867	9,867	9,867
	9	9	9	18	45	7,400	7,400	7,400	14,800

	Total Capacity						Input(W)			Current(A)			EER	SEER
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.2	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	16.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	17.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	17.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	17.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	17.6	
20,400	6.0	34,000	10.0	36,000	10.6	2,230	3,720	4,010	8.9	14.9	17.6	9.1	17.6	

	Total Capacity						Input(W)			Current(A)			COP	HSPF
	Min		Rated		Max		Min	Rated	Max	Min	Rated	Max	Rated	Rated
BTU/h	kW	BTU/h	kW	BTU/h	kW	Rated							Rated	
7,500	2.2	9,900	2.9	10,890	3.2	720	1,140	1,900	4.3	5.3	8.7	2.5	-	
7,920	2.3	13,200	3.9	14,520	4.3	970	1,620	2,130	4.5	7.5	9.7	2.4	-	
11,880	3.5	19,800	5.8	21,780	6.4	1,400	2,340	2,940	6.4	10.7	13.3	2.5	-	
12,420	3.7	20,700	6.1	22,770	6.7	1,480	2,460	2,940	6.5	10.9	13.4	2.5	8.1	
14,490	4.3	24,150	7.1	26,560	7.8	1,530	2,550	2,950	6.9	11.4	13.2	2.8	8.1	
16,560	4.9	27,600	8.1	30,360	8.9	1,580	2,630	3,140	7.1	11.8	12.7	3.1	8.1	
18,630	5.5	31,050	9.1	34,150	10.0	1,680	2,800	3,330	7.5	12.6	14.9	3.2	8.3	
20,010	5.9	33,350	9.8	36,680	10.8	1,780	2,970	3,810	8.0	13.3	17.1	3.3	8.3	
22,770	6.7	37,950	11.2	40,000	11.8	2,060	3,430	3,810	8.0	13.3	17.1	3.2	8.3	
18,630	5.5	31,050	9.1	35,700	10.5	1,710	2,850	3,330	7.6	12.7	14.3	3.2	8.5	
20,700	6.1	34,500	10.1	38,640	11.4	1,840	3,060	3,800	8.1	13.5	17.0	3.3	8.5	
21,804	6.4	36,340	10.7	39,820	11.7	1,970	3,290	3,850	8.7	14.5	17.3	3.2	8.5	
22,200	6.5	37,000	10.9	41,000	12.1	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.5	
22,200	6.5	37,000	10.9	41,000	12.1	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.6	
22,200	6.5	37,000	10.9	41,300	12.1	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.6	
22,200	6.5	37,000	10.9	41,600	12.2	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.6	
22,200	6.5	37,000	10.9	42,000	12.3	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.9	
22,200	6.5	37,000	10.9	42,300	12.4	2,110	3,520	3,900	9.3	15.5	17.6	3.1	8.9	
22,200	6.5	37,000	10.9	41,000	12.1	2,110	3,520	3,900	9.3	15.5	17.6	3.1	9.3	
22,200	6.5	37,000	10.9	42,300	12.4	2,110	3,520	3,900	9.3	15.5	17.6	3.1	9.3	
22,200	6.5	37,000	10.9	41,600	12.2	2,110	3,520	3,900	9.3	15.5	17.6	3.1	9.3	
22,200	6.5	37,000	10.9	42,000	12.3	2,110	3,520	3,900	9.3	15.5	17.6	3.1	9.3	
22,200	6.5	37,000	10.9	42,000	12.3	2,110	3,520	3,900	9.3	15.5	17.6	3.1	9.3	

# DUCTLESS FLOOR STANDING & CEILING CASSETTE AIR CONDITIONING SYSTEMS

## High-Capacity Split Systems

The Floor Standing and Ceiling Cassette models are ideal for light commercial applications and work well in large, open spaces. The ceiling cassette is a useful alternative when floor space is limited.

The outdoor and indoor unit for all models operate on high-voltage (230/208) power.



Ductless Split Floor Standing Indoor Units  
Brushed Metal Finish

Ductless Split Ceiling Cassette Indoor Units  
White Finish



Single Zone Split Systems  
Floor Standing

Single Zone Split Systems  
Ceiling Cassette

## DUCTLESS • FLOOR STANDING SINGLE ZONE

### 24,000 BTUs

**LF245HV** (H/P Model)

- C** 24,000 BTUs Cooling
- H** 24,000 BTUs Heating

**LUU245HV**  
Outdoor Unit  
24,000 BTUs



### 42,000 BTUs

**LF425HV** (H/P Model)

- C** 42,000 BTUs Cooling
- H** 42,000 BTUs Heating

**LUU425HV**  
Outdoor Unit  
42,000 BTUs



#### FEATURES:

- Inverter Compressor
- R-410a Refrigerant
- Chaos Swing
- Three-dimensional cooling\*\*
- Jet Cool
- Cooling mode
- Dehumidifying mode

- Evaporator frost control
- 7-Hour on/off timer
- Auto restart
- Auto Changeover
- Plasma Air Purifying System (24k BTUs Only)
- Built-in remote control holder
- Temperature display on indoor unit

- Gold Fin™ Anti-Corrosion
- Control lock function
- Ultra-quiet turbo fan (24k BTUs Only)

#### Interior Unit Includes:

- Floor standing unit
- Remote control & batteries
- Installation manual

#### Exterior Unit Includes:

- Sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

#### System Model #

**LF245HV**

**LF425HV**

Indoor Model #

LFN245HV

LFN425HV

Outdoor Model #

LUU245HV

LUU425HV

#### Performance

Capacity (BTUs)	<b>C</b> <b>H</b> 24,000/26,000	42,000/44,000
SEER	13	13
HSPF	7.7	7.7
EER	9.6/10.2	9.0/9.5
Air Circulation (CFM H/M/L)	671/565/459	1,236/1,059/882
Fan Speeds (Cooling/Fan)	3/3	3/3
Dehumidification (pts/hr)	2.1	3.6
Indoor dB(A)*	45/42/40	56/53/51
Outdoor dB(A)*	55	58

#### Electrical

Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208	230/208
Power Input (Cooling/Heating)	2,500/2,550	4,670/4,630
<b>Max Power Input (watts)</b>	<b>3,800</b>	<b>5,700</b>

#### Indoor Dimensions

W x H x D (inches)	22 4/9 x 71 2/3 x 12 3/5	23 7/32 x 71 1/4 x 17 5/16
--------------------	--------------------------------	----------------------------------

Weight (lbs.) 94.8 127.9

#### Outdoor Dimensions

W x H x D (inches)	34 1/4 x 31 1/2 x 12 19/32	37 13/32 x 54 21/64 x 12 31/32 x
--------------------	----------------------------------	--

Weight (lbs.) 132.3 227.1

#### Thermostat Range

Cooling (°F)	61-86	61-86
<b>Heating (°F)</b>	<b>60-86</b>	<b>60-86</b>

\*LG verified sound ratings

Warranty: 2 years parts; 5 years compressor.

See page 46 for electrical specifications, refrigerant line requirements & formulas.

## DUCTLESS • CEILING CASSETTE SINGLE ZONE

### 24,000 BTUs

**LC245HV** (H/P Model)

- C** 24,000 BTUs Cooling
- H** 26,000 BTUs Heating



**LUU245HV**  
Outdoor Unit  
24,000 BTUs



### 42,000 BTUs

**LC425HV** (H/P Model)

- C** 42,000 BTUs Cooling
- H** 44,000 BTUs Heating



**LUU425HV**  
Outdoor Unit  
42,000 BTUs



#### FEATURES:

- Inverter Compressor
- R-410A Refrigerant
- Internal condensate pump included (Lifts 27" from bottom of machine)
- Swirl Wind
- Four-way cooling
- Jet Cool

- Cooling mode
- Dehumidifying mode
- Fan mode
- Independent vane control
- 5 fan speeds
- Evaporator frost control
- 24-Hour on/off timer
- Auto restart
- Auto changeover
- Plasma Air Purifying System

- Gold Fin™ Anti-Corrosion
- Temperature display on remote
- Ultra-quiet turbo fan

#### Interior Unit Includes:

- Ceiling unit
- Wired control & wireless remote control with batteries
- Installation manual
- Ceiling Grill (required). Order

#### Separately PT\_UMC

37 13/32" x 37 13/32" x 1 3/16",  
6.6 lbs

#### Exterior Unit Includes:

- Sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

#### System Model #

	LC245HV	LC425HV
Indoor Model #	LCN245HV	LCN425HV
Outdoor Model #	LUU245HV	LUU425HV

#### Performance

Capacity (BTUs)	<b>C</b> <b>H</b> 24,000/26,000	42,000/44,000
SEER	14	14
HSPF	7.7	7.7
EER	10.0/10.4	9.9/10.2
Air Circulation (CFM H/M/L)	636/565/494	1,200/1,130/1,060
Fan Speeds (Cooling/Fan)	5/4	5/4
Dehumidification (pts/hr)	2.1	3.6
Indoor dB(A)*	39/37/34	46/44/40
Outdoor dB(A)*	55	58

#### Electrical

Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208	230/208
Power Input (Cooling/Heating)	2,400/2,500	4,240/4,310
Max Power Input (Watts)	3,800	5,700

#### Indoor Dimensions

W x H x D (inches)	33 5/64 x 33 5/64 x 8 1/32	33 5/64 x 33 5/64 x 11 1/3
--------------------	----------------------------------	----------------------------------

Weight (lbs.)	46.3	57.3
---------------	------	------

#### Outdoor Dimensions

W x H x D (inches)	34 1/4 x 31 1/2 x 12 19/32	37 13/32 x 54 21/64 x 12 31/32 x
--------------------	----------------------------------	--

Weight (lbs.)	132.3	227.1
---------------	-------	-------

#### Thermostat Range

Cooling (°F)	64-86	64-86
Heating (°F)	60-86	60-86

\*LG verified sound ratings

Warranty: 2 years parts; 5 years compressor.

See page 46 for electrical specifications, refrigerant line requirements & formulas.

## DUCTLESS • FLOOR STANDING & CEILING CASSETTE • SINGLE ZONE

### ELECTRICAL & REFRIGERATION • QUICK REFERENCE

Electrical Specifications <sup>†</sup>										
	Type	System #	BTUs	Voltage		Rated Amps	MCA*	MOP**		
				Indoor	Outdoor					
Floor Standing	H/P	Ⓒ Ⓓ	LF245HV	24,000	230/208	230/208	11.5/11.5	20	30	
	H/P	Ⓒ Ⓓ	LF425HV	42,000	230/208	230/208	20.0/20.0	30	40	
Ceiling Cassette	H/P	Ⓒ Ⓓ	LC245HV	24,000	230/208	230/208	11.5/12.4	20	30	
	H/P	Ⓒ Ⓓ	LC425HV	42,000	230/208	230/208	11.5/16.5	30	40	

\*Minimum Circuit Ampacity  
\*\*Maximum Overcurrent Protection

All equipment are single phase.

NOTE: Please consult local electrical codes for proper wire requirements.

\*Minimum Circuit Ampacity

\*\*Maximum Overcurrent Protection

\*For LF245HV, LC245HV.

\*\*For LF425HV, LC445HV

Wire Size	
Minimum wiring requirements suggested by manufacturer	
Minimum AWG	12-2*
	10-2**
Indoor Connecting Cable Minimum AWG	14-3

Refrigerant Line Specifications <sup>†</sup>										
	Type	System #	BTUs	Pipe size		Additional Refrigerant	Max. length each pipe	Max. elevation		
				Liquid	Suction					
Floor Standing	H/P	Ⓒ Ⓓ	LF245HV	24,000	3/8"	5/8"	0.32 oz./ft.	100'	66'	
	H/P	Ⓒ Ⓓ	LF425HV	42,000	3/8"	3/4"	0.32 oz./ft.	131'	82'	
Ceiling Cassette	H/P	Ⓒ Ⓓ	LC245HV	24,000	1/4"	1/2"	0.22 oz./ft.	100'	50'	
	H/P	Ⓒ Ⓓ	LC425HV	42,000	1/4"	5/8"	0.22 oz./ft.	115'	66'	

<sup>†</sup>Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: Oil trap should be installed every 33 ft (10m) of vertical rise.

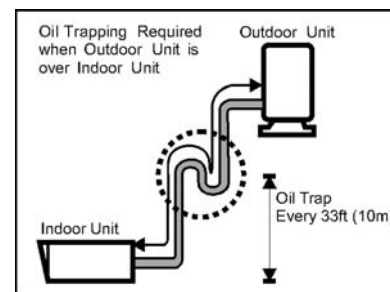


Figure A. Example: 25 ft. maximum elevation.



# PACKAGED TERMINAL AIR CONDITIONERS

Ultra-quiet operation is the hallmark of LG's new line of PTAC products. Low decibel levels and outstanding sound prevention ratings make this your best choice for a quiet environment. And with efficiency ratings up to 12.5 SEER, these units are also your energy-efficient choice.

Other features include standard connections for remote thermostat and front desk controls. Gold Fin™ technology protects the unit from the corrosive effects of outside air and extends the operating life of PTAC models. The industry standard size makes installation easy and economical.



7,000 – 15,000 BTUs



\*Tested by Independent 3rd Party (Cerams & Associates Inc., Jan. 2007)



**Digital Control Panel**



**Wireless Digital Thermostat**

## PACKAGED TERMINAL AIR CONDITIONERS

### 7,000 - 15,000 BTUs

**C H** **LP070CED-Y8** (H/C Model)  
7,600 BTUs Cooling & Heating

**C H** **LP120CED-Y8** (H/C Model)  
11,800 BTUs Cooling & Heating

**C H** **LP090CED-Y8** (H/C Model)  
9,000 BTUs Cooling & Heating

**C H** **LP150CED-Y8** (H/C Model)  
14,300 BTUs Cooling & Heating



\*Tested by Independent 3rd Party  
(Cerami & Associates Inc., Jan. 2007)

Features:				System Includes:
• Gold Fin™ anti-corrosion treatment	• Energy saver mode	• DIP switch settings for max. and min. energy conservation	• Evaporator frost control	• Wall unit
• Cooling mode	• Auto restart	• Temperature display on unit	• Freeze room protection	• Installation manual
• Heating mode	• Wall thermostat temperature control connection			• Wired thermostat adapter kit.
• Fan mode	• Front desk control connection			

System Model #	LP070CED-Y8	LP090CED-Y8	LP120CED-Y8	LP150CED-Y8
Control Type	Digital	Digital	Digital	Digital
<b>Performance</b>				
Capacity (BTUs)	<b>C</b> 7,600/7,400	9,000/8,800	11,800/11,500	14,300/14,100
SEER	12.5	11.7	11.2	10.0
Air Circulation (CFM H/L)	335/300	335/300	390/355	390/355
Fan Speeds (Cooling/Heating/Fan)	2/2/2	2/2/2	2/2/2	2/2/2
Dehumidification (pts/hr)	2.0	2.6	3.3	4.4
Indoor dB(A)*	45/43	45/43	49/47	49/47
Outdoor dB(A)*	60/58	60/58	63/61	63/61
STC	30	30	30	30
<b>Electrical</b>				
Rated Voltage	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
Electric Heater (kW)	<b>H</b> 2.5	3.5	3.5	3.5
<b>Dimensions</b>				
W x H x D (inches)	42 x 16 x 19 7/8	42 x 16 x 19 7/8	42 x 16 x 19 7/8	42 x 16 x 19 7/8
Weight (lbs.)	86.4	86.6	92.6	100.5
<b>Thermostat Range</b>				
Cooling/Heating (°F)**	54-86/54-86	54-86/54-86	54-86/54-86	54-86/54-86

\*LG verified sound rating

\*\*Adjustable by temperature limiting with DIP switches on the unit

# PTAC FEATURES & BENEFITS



## Digital Control Display Includes

- **Temperature Display on Unit**  
Precise and easy to use.
- **Cooling, Heating and Fan Modes**  
One unit for all seasons.
- **Energy Saver Mode**  
Helps to lower energy consumption and operational costs.
- **Auto Restart**  
Automatically restarts to programmed setting when the electricity comes on after a power failure.

## ADA compliant



\*Tested by Independent 3rd Party  
(Cerami & Associates Inc., Jan. 2007)

## Ventilation Filter

Polymeric mesh filter allows clean, fresh air into the living space. Ideal for healthcare applications.



## Freeze Room Protection

Electronic temperature controls constantly monitor and maintain indoor temperature to prevent freezing.



## Ceramic Heater

Even, stable and safe heating platform.

### Separate Indoor & Outdoor Motors

Dual motor configuration results in the lowest sound rating in the industry while also promoting the highest level of energy efficiency.

### Sensors

4 sensors provide highly efficient operation and maximize guest comfort.

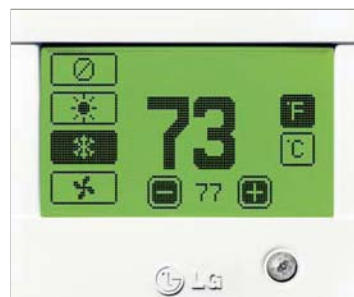


### Power Cord

Included with every unit.

### High-Efficiency Rotary Compressor

Energy-efficient and maintenance-free operation.



### Wireless Energy Management Digital Thermostat with Occupancy Sensor

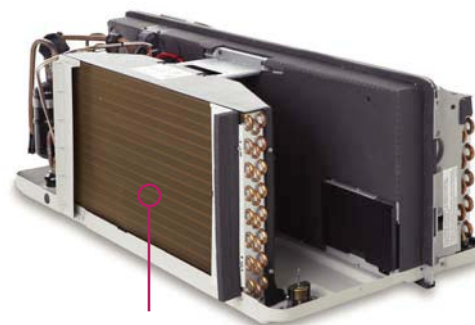
- Digital Touch-Screen Controls
- Built-In Occupancy Sensor
- Built-In Energy Management Controls
- True Wireless RF Communication
- Installs in as little as 10 minutes
- Easy to program



### Wireless Energy Management Digital Thermostat Control Board

(included in Wireless Wall Thermostat kit)

Snaps directly on to PTAC control board — no tools required.



### Gold Fin™ Anti-Corrosion Treatment

Protects the unit from the corrosive effects of outside air and extends the operating life of PTAC models. LG's patented process is standard on all LG PTAC models.



## PACKAGED TERMINAL AIR CONDITIONERS

### PARTS AND ACCESSORIES

Description	Model #	Description	Model #	Description	Model #
42" Wall Sleeve	AYSVB01A	Lateral Duct Kit	AYLD1A	Wireless Wall Thermostat	PYRCUCC0A
42" Stamped Aluminum Rear Grille	AYRGALA01	Control Panel Key Lock	AYCP101	110V Power Adapter	PYRCUCC1A
Architecture Grille — Aluminum	AYAGALA01A	Remote Escutcheon Kit — 10 Pack	AYRE110	(option for wireless wall thermostat)	
		Replacement Filter — 10 Pack	AYFT110		



42" Wall Sleeve  
AYSVB01A



42" Stamped Aluminum Grille  
AYRGALA01



Architecture Grille — Aluminum  
AYAGALA01A

## PACKAGED TERMINAL AIR CONDITIONERS

### PARTS & ACCESSORIES



Hydronic/Steam Heat Coil Kit  
PYHSK1A – 230/208V/265V



Hydronic Valve  
PYHV1A – 230/ 208V  
PYHV2A – 265V

Steam Valve  
PYSV1A – 230/208V  
PYSV2A – 265V

CFM	Heating BTUs	
	Hydronic	Steam
270	14,500	18,500
300	15,500	19,500
335	16,500	21,000
355	17,000	21,500
390	17,500	22,000
420	18,500	23,500

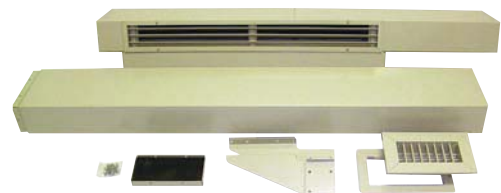
Based on ARI test condition of 70°F DB / 60°F WB, 200°F EWT, 20°F DT, 70°F EAT, 2 psig steam, 70°F EWT



Wireless Energy Management Digital Thermostat with Occupancy Sensor  
PYRCUCC0A



Replacement Filter 10-Pack  
AYFT110

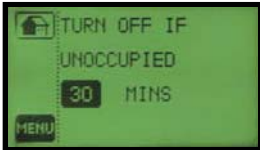


Lateral Duct Kit  
AYLD1A

## WIRELESS WALL THERMOSTAT FOR LG PTACs AND DUCTLESS SPLIT SYSTEMS



Touch-screen-operated design with intuitive graphic user interface



Occupancy Sensor automatically turns off the air conditioner when the room is unoccupied



Wireless Energy Management Digital Thermostat Control Board: Snaps directly on to PTAC control board — no tools required

Dimensions:

Case: 5.75"W x 4.75"H x 1.25"D

LCD Screen: 3.625"W x 2.125"H

LG PTAC Wireless Wall Thermostat Kit:  
Part # PYRCUCC0A

### WIRELESS ENERGY MANAGEMENT DIGITAL THERMOSTAT

This innovative thermostat provides a great way to control spiralling energy costs while ensuring perfect comfort. It combines the energy-saving convenience of complete programmability and temperature control for both occupied and unoccupied rooms. Its unique Occupancy Sensor automatically turns off the air conditioner when a room is unoccupied, further reducing wasted energy. And with its intuitive touch screen interface, it's easy to not only adjust temperature, but air flow as well.

#### THERMOSTAT FEATURES

- Energy-saving Occupancy Sensor automatically turns off the air conditioner when the room is unoccupied.
- Programmable Occupied and Unoccupied Temperature Settings allow for high and low occupied/unoccupied settings for further energy savings.
- High-visibility, backlit touch screen with a scratch-resistant, easy-to-clean surface.
- Intuitive graphical user interface with descriptive buttons.
- "No manual needed" simplified operation and programming.
- Convenient Clean Screen command prevents accidental change in settings while cleaning display.
- Adjustable contrast with white-on-black or black-on-white display.

#### INSTALLATION FEATURES

- System Configuration Menu allows selection of either Heat Pump or Air Conditioner compressor type for optimum system integration and performance.
- Advanced Settings Menu allows pre-programming of fan speeds for maximum comfort and energy efficiency.
- Temperature Display lets you select Fahrenheit or Celsius readings.

#### COMPONENTS INCLUDED

- LG Wireless Wall Thermostat with integrated LCD touch screen.
- LG Air Conditioner Wireless Interface Card.
- User manual and installation instructions.



Touch-screen-operated design with intuitive graphic user interface

Dimensions:

Case: 5.75"W x 4.75"H x 1.25"D

LCD Screen: 3.625"W x 2.125"H

LG Mini-Split Wireless Wall Thermostat  
Kit: Part # DFSWLWT0A

### LG DUCTLESS SPLIT SYSTEMS ADDITIONAL COMFORT AND CONTROL FEATURES

- Versatile 7 day, 4-events-per-day program with a selectable temperature set point and fan mode for each event.
- Convenient Copy option duplicates daily settings to simplify the set-up of a custom, 7 day program.
- Filter Monitor ensures that air flow is maximized by notifying the user to clean the air filter at regular intervals.
- Energy Watch monitors power consumption (kWh) and calculates the actual dollar cost of operating the LG Mini-Split Air Conditioner over a selected time period.



Monitor power use and calculate cost of operation



Pre-program up to 4 temperature and fan operation mode changes daily



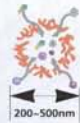
# NEO PLASMA AIR PURIFYING SYSTEM

LG Electronics' unique Neo Plasma Air Purifying System, equipped with 12-level bio enzyme filters, features enhanced sterilization power. When air passes through each level of filters, the system can more powerfully sterilize the household's fine dust and molds, ordinary odours, food smells, and cigar smoke, as well as destroy bacteria's cell walls to completely eliminate them.

## Plasma Filter

The PLASMA Air Purifying System developed uniquely by LG not only removes microscopic contaminants and dust, but also removes house mites, pollen, and pet fur to prevent allergic diseases like asthma.

**What is a Nano Carbon Ball?**  
 First developed by LG, a Nano Carbon Ball is a microscopic ball of porous carbon that absorbs odour-causing bacteria and substances.



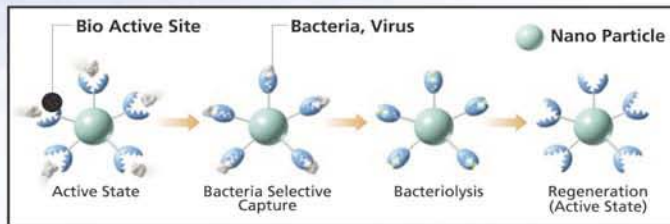
- Stabs bacteria
- Breaks it — Deodorizes

- Kitasato Research Center of Environmental Sciences
- Inactivating Germs Test Result 99.9% Performance (No. 16\_0113\_1,2,3)
- Japan Food Research Laboratories
- Inactivating Germs Test Result 99.9% Performance (No. 104093863-001,1,2,3,4,5)
  - Killing Virus (No. 204031236-001,2,3)
- Japan Spinners Inspecting Foundation (No.624217, 019355-13)
- NCB Deodorizing 4 Type Test Result 78%-98% Security
- FITI Korea Consumer Science Center (No. 513104-195-A-01)
- Killing Bacteria, fungi Test Results 99.9% Security
- ITS (International Technical Standards Center) (No. IL26937-A, B)
- Inactivating bacteria Test Result 99.9% Security



## Nano Bio Fusion Filter

Nano bio fusion filters allow their nano-size bio enzymes to directly penetrate through cell walls of bacteria and allergens to decompose their cell nuclei and kill them, while conventional filters merely inactivate bacteria or destroy external cell walls.

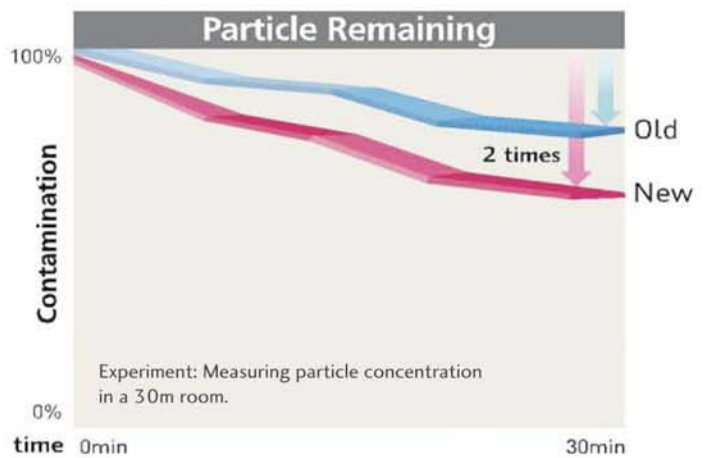


### Distinctions from Conventional Filters

Conventional	Nano Bio Fusion Filter
Simply inactivate bacteria	Destroy bacteria, but allow part of them to survive
	The bio enzyme destroys cell walls and nuclei of bacteria and allergens, thus completely kills bacteria



※ Increased performance of purification











LG Electronics Canada Inc.  
1-888-LG-Canada (542-2623)  
LG.ca