



# Home Comfort Solutions



*Innovation for a better life*

The ultimate in comfort...  
heat or cool any room to  
your favorite temperature



Home Comfort Solutions by LG allow you to cool or heat your entire home or just a single room without the need for invasive ductwork. There's no tearing down of walls or altering your home's appearance. LG Duct-Free Split systems are simple to have installed. In most cases, a professional contractor gets the job done in less than a day.

### How LG Duct-Free Split systems work

LG Duct-Free Split air-conditioning and heating systems consist of three basic components: an inverter-driven outdoor unit, a stylish and quiet indoor unit that delivers conditioned air to the room, and compact conduit for refrigerant lines and wiring that connects the units. This design allows for energy conservation by targeting only those areas that need cooling or heating, a cost-effective feature when only certain portions of a building are being used.

### LG Duct-Free Split systems can be used virtually anywhere

LG delivers advanced climate control and operating efficiency to a wide range of residential and light commercial projects, from a stuffy bedroom to a home addition where cooler temperatures are required.

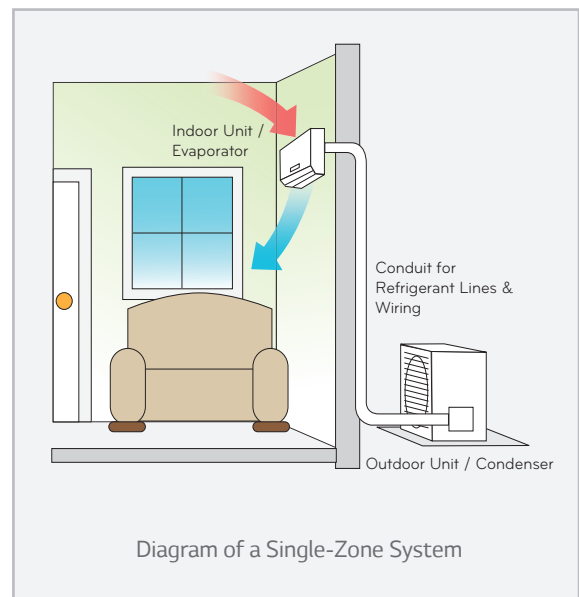


Diagram of a Single-Zone System

### Applications may include:

- Older homes
- Sunrooms
- New home constructions
- Room additions
- Bedrooms
- Home offices
- Basements
- Kitchens
- Attics

### The advantages of inverter technology

Inverter variable-speed outdoor units are measurably quieter and use less energy than conventional air conditioners. Unlike conventional air conditioners that cycle on and off, an inverter compressor ramps up or down to match the capacity needed and maintain comfort levels.

## LG Duct-Free Split systems bring comforting innovation



### Benefits of LG Duct-Free Split systems

- Reduced energy costs—LG's evolved technology can make a difference in cooling and heating bills
- Incredibly quiet—With advanced motor and fan designs, LG units operate at low sound levels
- Custom temperature control—Precise temperature settings in each zone
- Beautiful design—Variety of elegant looks to complement any decor
- Enhanced air circulation—Electronically controlled louvers and fan speeds designed to keep room temperatures consistent
- High-speed cooling—Powerful Jet Cool setting quickly lowers the temperature of warm rooms
- Dependable heating—An excellent source of primary or supplemental heating in the cooler months
- Built to last—LG's commitment to quality means years of dependable comfort
- Convenient controls—All indoor units include a handheld or a wall-mounted controller
- Many units are ENERGY STAR® Rated

### SEER: Your guide to cool savings

An acronym for Seasonal Energy Efficiency Ratio, SEER is the industry-wide rating measurement that conveys energy consumption information to consumers. The higher the number, the more efficiently a product will produce cool air...and operating efficiency is a big step in conserving our natural resources. Your contractor will be happy to explain SEER numbers in greater detail, and help you determine which LG Duct-Free Split system is best for your unique requirements.

### HSPF: For cost-saving coziness

Heating Seasonal Performance Factor, or HSPF, represents the total heating output when compared to the electricity used. Like SEER, the higher the HSPF rating, the more efficiently a product will produce warm air. If you live in a climate that requires heating in the winter months as well as cooling in the summer, ask your contractor to determine the ideal Duct-Free Split system for you.



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) created to promote energy-efficient products and practices. The ENERGY STAR® logo helps homeowners identify which products meet energy efficiency performance levels set by U.S. EPA and U.S. DOE.

## Control at your fingertips... LG Smart AC



### Control on the go

Just left the house and forgot to change the settings on your air conditioner? Returning from vacation and want the house to be cool by the time your arrive? Worried about high energy costs? Now there is no need to worry – with LG Smart AC, control your LG Duct-Free Split air conditioner from just about anywhere, using your smart phone.

### How it works

Hardware WLAN module and smart phone app together provide monitoring and remote control capabilities with select\* LG Duct-Free Split air conditioners such as:

- Control - Use to make instant changes to temperature and fan speeds
- Favorite Settings - Create or save an existing setting as a favorite
- Advanced Functions - Control additional features such as purification, air flow, sleep timer, filter renewal date
- Additional Settings - Register a/c units, set temperature unit display (°F or °C), help, etc.



# Style and performance... single-zone **indoor units**



## Many styles, many choices


There's no need to compromise when it comes to comfort. LG single-zone systems offer many styles of indoor units to enhance any decor, plus performance that lets you enjoy every room to the fullest. And they're available in a full range of capacities to perfectly match any size space, large or small. Whether you need cooling or heating, LG offers the perfect Duct-Free Split performance package.

## Uniquely LG. It looks like a work of art—and it is!

up to 27.5 SEER



Art Cool™ Premier



up to 16.0 SEER



The ingenious **Art Cool™ Gallery Inverter Indoor Unit** cools and warms with world-class efficiency...and flair. Frame any artwork or photo (20 x 20 inches or smaller) that you wish to display. And changing images couldn't be easier.



up to 21.5 SEER



Standard Wall Mounted



up to 21.5 SEER



Art Cool™ Mirror



up to 20.0 SEER



Ceiling Cassette



up to 19.0 SEER



Mega Standard



up to 21.5 SEER



Extended Pipe Wall-Mounted



up to 17.6 SEER



Ceiling Concealed Duct (High Static)




Note: Energy Star® certification may not apply to all models within product series, visit [www.lg-dfs.com](http://www.lg-dfs.com) for specific model information.

## The more rooms the better with Multi F systems



One LG inverter-driven multi-zone outdoor unit can support two, three, four, or up to eight indoor units, providing personalized cooling and heating for an entire home. Compact refrigerant pipes work in tandem with wiring to link the outdoor unit with all indoor units, either directly or through a branch distribution (BD) unit (Multi F MAX systems).

### Multiple rooms add up to multiple benefits

- Long refrigerant piping lengths allow for extra design flexibility in indoor unit installation
- Each indoor unit includes its own controller
- Indoor units are available in a full range of capacities for all room sizes
- Easy installation: little to no ductwork required; most indoor units can mount on any wall
- Indoor unit and outdoor unit dimensions ensure space-saving convenience
- All-season use—heat pump models have both cooling and heating capabilities

up to  
**22.0**  
SEER



Dual-Zone  
Multi F  
Outdoor  
Units



up to  
**21.7**  
SEER



Tri-Zone  
Multi F  
Outdoor  
Units



up to  
**22.0**  
SEER



Quad-Zone  
Multi F  
Outdoor  
Units



up to  
**19.5**  
SEER



Eight-Zone  
Multi F MAX  
Outdoor  
Units

# A solution for every room... Multi-F Indoor Units



## Multi F systems have multiple indoor units

Select from a variety of sleek, elegant indoor units to complement any decor. And the choice is not limited to one type of indoor unit per system—mix and match according to function and style!



Art Cool™ Mirror  
Wall-Mounted Indoor Units



Standard Wall-Mounted  
Indoor Units



Art Cool™ Gallery  
Inverter Indoor Units



Ceiling Concealed Duct  
(High Static) Indoor Units



Ceiling Concealed  
Ducted Indoor Units



Ceiling Cassette  
Indoor Units



Vertical-  
Horizontal Air  
Handling Unit

## Make yourself at home...diagram of a Multi F multi-zone system

- 1 One outdoor condensing unit (Multi F MAX system) can support up to eight indoor units.
- 2 An Art Cool™ Mirror indoor unit shines in the dining room.
- 3 A ceiling cassette indoor unit in the living room—the look preferred by many homeowners.
- 4 Standard wall-mounted indoor units in the master and second bedrooms. Precise comfort in your personal retreat.



Convenient remote controls simplify all setting functions. Many remote controls can also be wall mounted.



Visit [LGHomeComfort.com](http://LGHomeComfort.com).

Our site is an excellent resource for information, and it's where you'll find the LG Trained Contractors in your area.

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