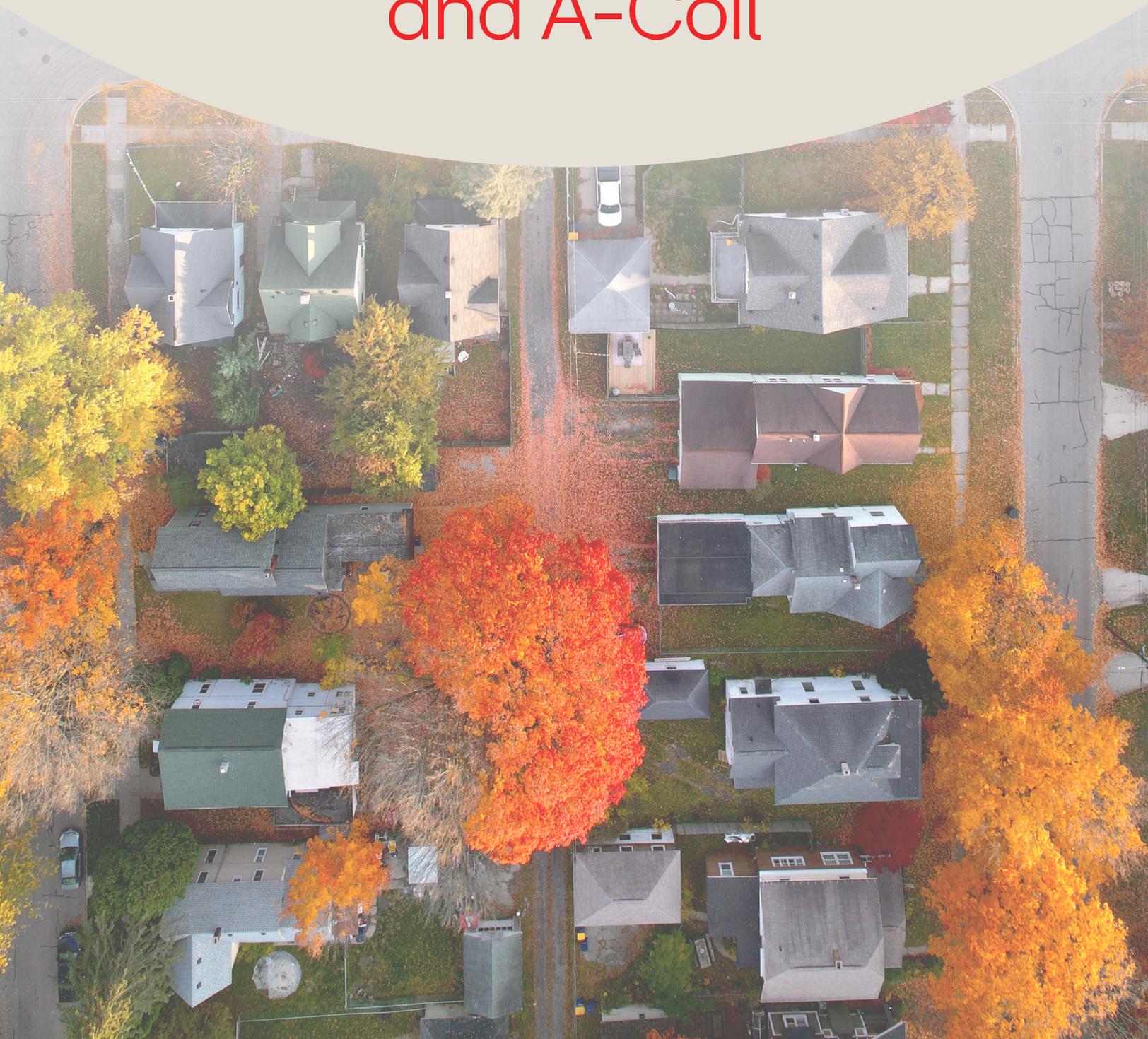




Multi-Position Air Handler Unit and A-Coil



Why LG

Experience the LG Difference

LG is a global leader in HVAC, delivering high-quality heating and cooling solutions for homes and businesses. Whether it's a single-zone system for a homeowner or a large-scale commercial setup, LG provides reliable, energy-efficient options to keep spaces comfortable year-round.

Performance You Can Count On

From our industry-leading inverter technology to the powerful heating performance of **LGRED**[®], our solutions are designed for superior performance, keeping homeowners comfortable in any season.

Flexible Solution

Every home and project is different, which is why LG offers a wide range of product types—including ducted, duct-free, and hybrid options in single and multi zone configurations. Whether it's a new build or a retrofit, there's an LG system that fits.

Energy Efficiency That Pays Off

Many LG units are ENERGY STAR[®] certified and may qualify for rebates, helping homeowners reduce upfront costs. Plus, with efficient operation, they can help lower energy bills over time.

Smart Connectivity

With Wi-Fi-enabled indoor units and the LG ThinQ[®] app, homeowners can control their comfort from anywhere. And for even more convenience, LG products work with Amazon Alexa[®] and Google Assistant[™] for voice control.

A Brand Homeowners Trust

From appliances to entertainment, LG is a name people know and trust. That same commitment to innovation and quality extends to our HVAC solutions, delivering comfort and performance backed by a brand with a strong reputation.



LG's Multi-Position Air Handler and A-Coil



These products offer year-round comfort with inverter-driven technology that optimizes energy use while maintaining consistent temperatures, even in extreme climates. Designed for flexibility, they accommodate various installation needs, whether for new construction or retrofit applications, providing options for most any home. With quiet operation, smart connectivity through the LG ThinQ® app, and eco-friendly refrigerants like R-32, these units deliver superior performance while keeping energy costs low. Plus, built-in features like tool-free filter access, an embedded Electronic Expansion Valve (EEV), and a refrigerant detection sensor enhance convenience, safety, and efficiency. Whether upgrading an existing system or installing a new one, LG's ducted family of products provide the perfect balance of innovation, sustainability, and comfort.



Efficiency & Performance:

- **Inverter Technology:** Optimizes energy use for consistent heating and cooling.
- **Cold Climate Capabilities:** Select models with **LGRED**® technology provide 100% heating capacity down to 5 °F and reliable operation down to -13 °F.
- **Low Sound Operation:** Advanced fan design provides quiet performance for a more comfortable home environment.

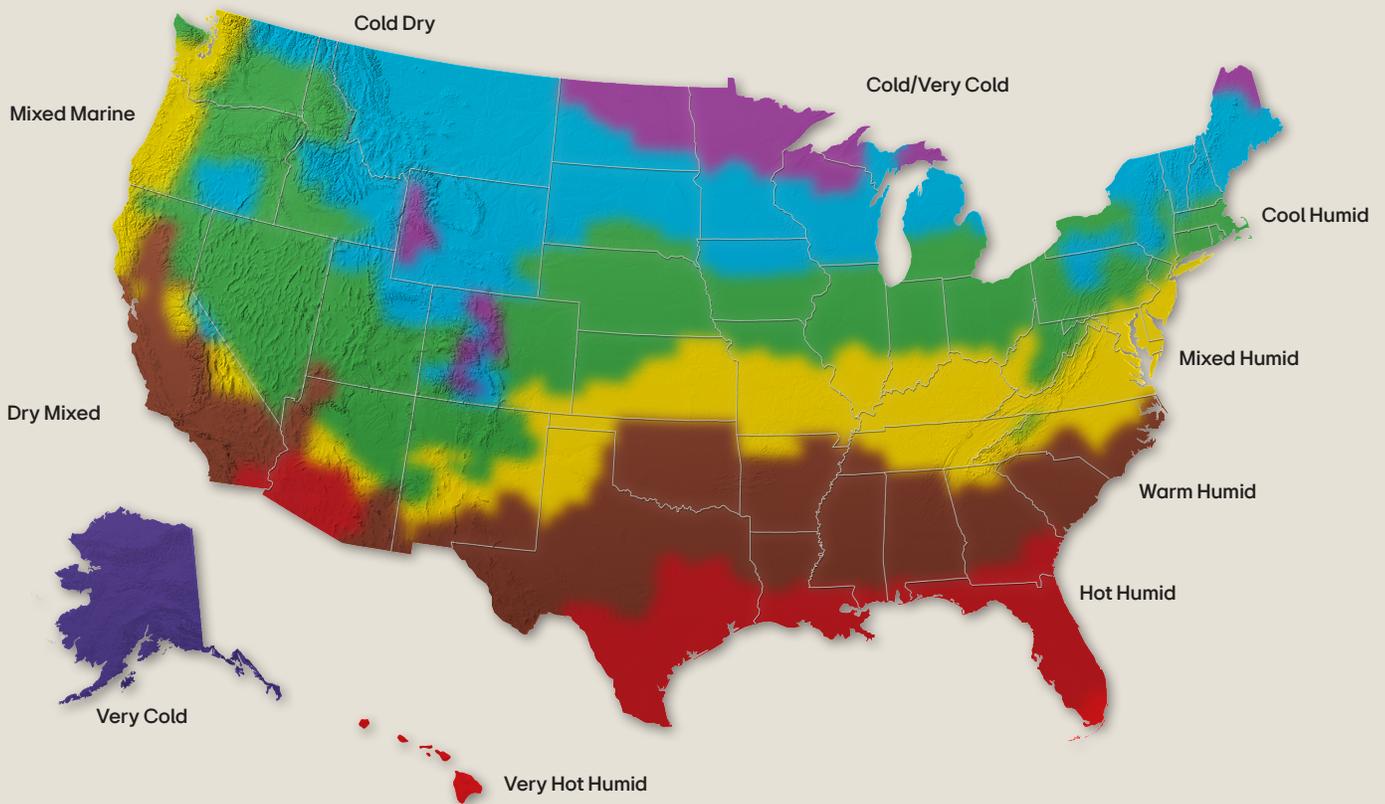
Smart and Flexible Design

- **Multi-Position Installation:** Supports upflow, downflow, and horizontal configurations for easy integration.
- **Compact A-Coil Option:** Space-saving design fits tight installation spaces without sacrificing efficiency.
- **Smart Connectivity:** Control some units remotely with the LG ThinQ® app and voice assistants like Alexa® and Google Assistant™.

Cost Savings & Sustainability

- **ENERGY STAR® Certified Models:** Many units qualify for rebates and incentives to lower upfront costs.
- **Low-GWP Refrigerants:** Uses R-32 refrigerant for lower environmental impact.
- **Dual-Fuel Compatibility:** The LG A-Coil works with most existing gas furnaces, simplifying dual fuel upgrades and allowing for optimized heating performance and fuel selection.

U.S. Climate Zones



Based on: Climate Zone Map from IECC 2021

North Options

- **Heat Pump** - **LGRED°** Select models provide 100% heating capacity down to 5 °F and reliable operation down to -13 °F
- **Heat Pump** - **LGRED°** + Electric Heater
- **Dual Fuel** - **LGRED°** + A-Coil added onto a current gas furnace
- **Dual Fuel** - **LGRED°** + A-Coil / Furnace

South Options

- **Heat Pump** - High Efficiency Multi-Position Air Handler Units
- **Dual Fuel** - High Efficiency Heat Pump + A-Coil
- **Heat Pump** - Contractor Value (CV) Multi-Position Air Handler Unit

Multi-Position Air Handler Unit

The LG Multi-Position Air Handler Unit (MPAHU), an essential component of our advanced inverter heat pump solution, provides a single source for both heating and cooling needs. This versatile unit can replace traditional furnaces and offers flexible installation options, making it ideal for both new and retrofit construction.

Innovative Coil Design: The factory-built indoor unit coils feature aluminum fins mechanically bonded to copper tubing, helping ensure efficient heat transfer. The factory pressure tests at least two coils and installs a condensate pan to provide reliability and performance.

Durable Casing: Constructed from 22-gauge metal with a high-gloss baked enamel finish, the casing is designed to be concealed behind a wall or above a finished ceiling. It includes 1/2-inch polystyrene fiber insulation on cold surfaces and access panels, reinforced foil-faced covering, and gasket seals to minimize air leaks.

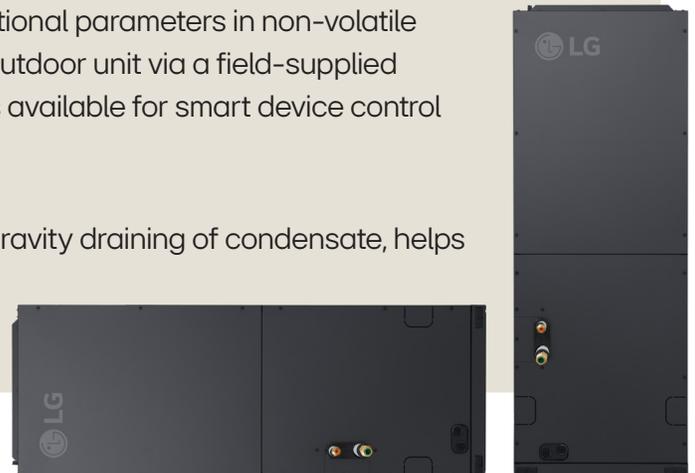
Flexible Airflow Configurations: Capable of operating in vertical upflow, vertical downflow, horizontal left discharge, or horizontal right discharge configurations, this unit meets diverse installation needs. Vertical downflow operation requires an optional conversion kit, and the unit can also accommodate an internal LG electrical strip heater.

Advanced Fan Assembly and Control: The integral fan assembly features galvanized steel housing and a forward curve fan wheel, driven by an BLDC (Brushless Digitally Controlled) fan for constant cubic feet per minute (CFM) delivery regardless of external static pressure. The fan speed is microprocessor-controlled with Low, Med, High, and Auto settings for both cooling and heating modes, ensuring optimal performance.

Efficient Filter Assembly: The unit includes a filter rack designed to hold a standard filter, with a guide for centering filters and front access for easy maintenance.

Microprocessor Control and Connectivity: An integrated control board ensures communication with the outdoor unit, storing all operational parameters in non-volatile memory. The control board can be connected to the outdoor unit via a field-supplied communication cable, and an optional Wi-Fi module is available for smart device control using the LG ThinQ® app.

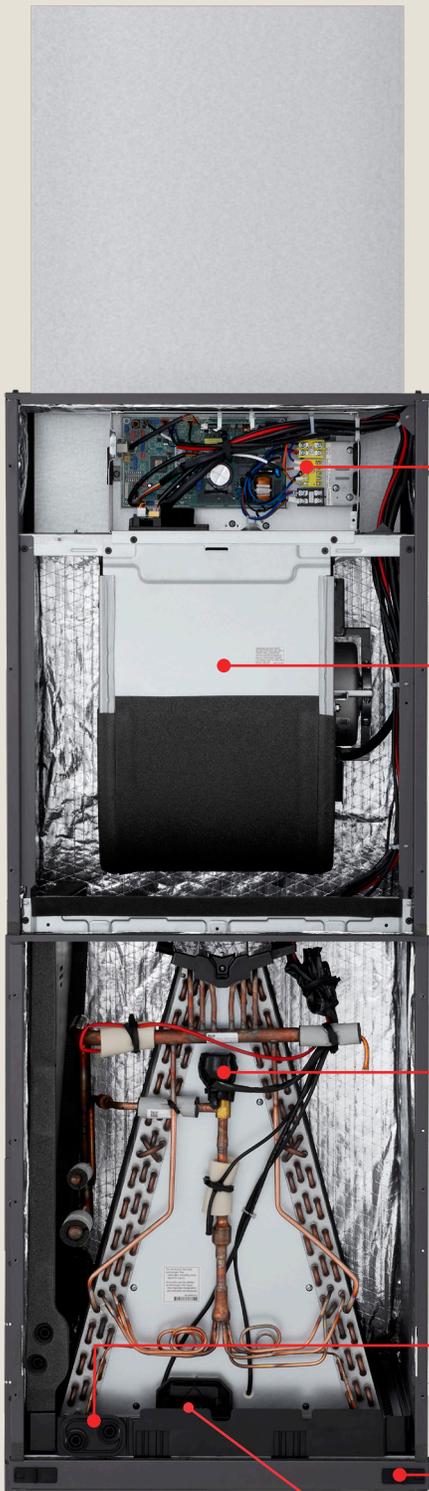
Effective Condensate Management: Designed for gravity draining of condensate, helps provide efficient moisture management.



Multi-Position Air Handler Unit



LG ThinQ®: Control and monitor from anywhere, anytime*



Connectivity of Third-Party Accessories: Embedded 24V transformer for easy integration

Slide-Out Fan: Easy fan motor replacement for faster maintenance

Embedded EEV: Integrated electronic expansion valve in both indoor and outdoor units

Improved Drain Hole: Compatible with U-trap drain hoses for better drainage

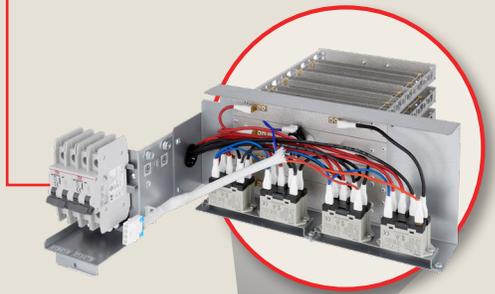
Tool-Free Filter Access: Quick and easy filter replacement, no screws needed



R-32 Refrigerant Leakage Detector Embedded: Built-in refrigerant monitoring

Embedded Circuit Breaker: No extra circuit breaker needed for electric heater

Various Heater Control: Adjusts heating automatically based on weather conditions



Smart, Quiet, and Flexible Comfort

The LG Multi-Position Air Handler Unit is designed to meet modern needs. With ThinQ™ technology, users can easily control and monitor the unit remotely from anywhere at any time*, providing maximum flexibility. Its innovative fan design contributes to quiet operation, making it ideal for quiet spaces. The sleek, stylish appearance adds a contemporary touch, allowing the unit to blend nicely into the home. This air handler prioritizes energy efficiency and reliability, featuring airtight construction that meets California Title 24 air leakage standards. With strong duct performance and a static pressure of 1 in. W.G., it delivers consistent airflow. The additional duct installation space simplifies the setup process. Furthermore, the four-way multi-position flexibility offers a variety of installation options, making this product an excellent choice for nearly any application.



Flexible Setup

The LG Multi-Position Air Handler features convertible vertical upflow, downflow, or horizontal air distribution, allowing for flexible installation. With this four-way configurable unit, homeowners who prefer traditional ducted infrastructure can still benefit from inverter technology. Contractors can install it in a way that best suits the application. Downflow kit required for downflow installation.

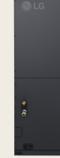
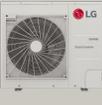
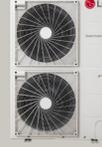
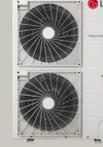


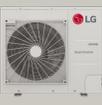
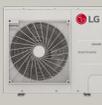
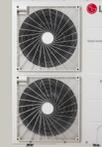
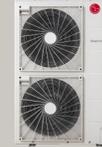
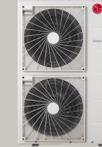
Both the outdoor unit and indoor unit have an Electronic Expansion Valve (EEV)

Optimized performance and energy saving

The enhanced Multi-Position Air Handler Unit includes Electronic Expansion Valves (EEV). EEVs in both the outdoor and air handler units improve the system's efficiency and precision in temperature control, leading to optimized performance and potential energy savings.



Capacity	12 kBtu/h	18 kBtu/h	24 kBtu/h	30 kBtu/h	36 kBtu/h	42 kBtu/h	48 kBtu/h
Indoor Unit	KNSLB121A 	KNSLA181A 	KNSLA241A 	KNSLA301A 	KNSLA361A 	KNSLB421A 	KNSLB481A 
Outdoor Unit	KUSXA121A 	KUSXA181A 	KUSXA241A 	KUSXA301A 	KUSXA361A 	KUSXA422A 	KUSXA482A 

Capacity	12 kBtu/h	18 kBtu/h	24 kBtu/h	30 kBtu/h	36 kBtu/h	42 kBtu/h	48 kBtu/h	60 kBtu/h
Indoor Unit	KNSLB121A 	KNSLB181A 	KNSLB241A 	KNSLB301A 	KNSLB361A 	KNSLB421A 	KNSLB481A 	KNSLB601A 
Outdoor Unit	KUSXB121A 	KUSXB181A 	KUSXB241A 	KUSXB301A 	KUSXB361A 	KUSXB421A 	KUSXB481A 	KUSXB601A 



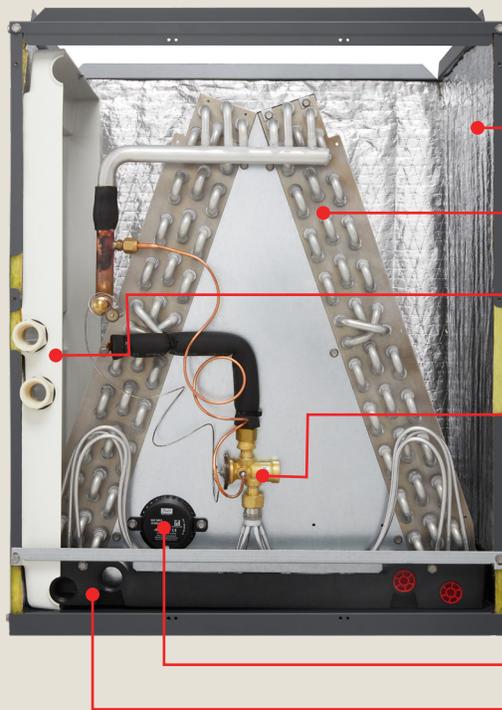


LG A-Coil

Upgrade your home's heating and cooling system with the LG A-Coil. Designed for efficient performance, easy installation, and long-term reliability, the LG A-Coil is compatible with existing gas furnaces and optimizes comfort in any climate. With multi-position installation and AHRI-rated efficiency, the LG A-Coil delivers year-round comfort while supporting a dual-fuel system for reduced fossil fuel use and lower emissions. Its built-in Thermal Expansion Valve (TXV) and R-32 refrigerant detection sensor enhance performance.

The LG A-Coil features a compact, low-height design, making it a space-saving option for various installations. It works with both standard and **LGRED°** outdoor units, giving homeowners flexible options based on their climate needs. For those in colder regions, **LGRED°** outdoor units deliver high-performance heating even in extreme cold temperatures, providing reliable comfort in sub-zero conditions.

With AHRI certification and compatibility with high Annual Fuel Utilization Efficiency (AFUE) rated gas furnaces, the LG A-Coil helps homeowners achieve optimal heating performance and potential energy savings.



LG A-Coil

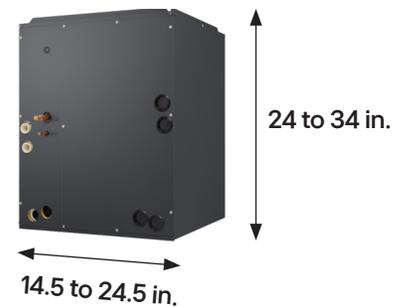
- Fully Insulated Cabinet
- Aluminum Fin and Tube
- Vacuum formed high impact UL approved PVC horizontal drain pan
- Bi-flow Piston standard
- R-32 Refrigerant Detection Sensor
- Left and Right-hand drain connections

Key Features:

- **Compact, Space-Saving Design:** Low height for easier installation in tight spaces.
- **Flexible Installation:** Supports upflow, downflow, and horizontal configurations.
- **Energy Efficient:** AHRI-rated for compatibility with heat pump systems.
- **LGRED° Compatibility:** Works with LGRED° outdoor units for reliable cold-climate heating.
- **Cost Savings:** Works with existing gas furnaces, reducing upgrade costs.
- **Reliable Performance:** Features a durable aluminum coil for long-lasting operation.
- **Smart Design:** Includes a built-in Thermal Expansion Valve (TXV) and plenum flange.
- **Sustainable Comfort:** Supports dual-fuel systems for lower gas usage and reduced emissions.
- **AHRI Certified and AFUE Compatible:** Works with high-AFUE rated gas furnaces to maximize heating efficiency.
- **Potential ENERGY STAR® Qualification:** Select models may qualify for ENERGY STAR® or ENERGY STAR® Cold Climate, depending on specifications.

Size and Positioning:

LG's high efficiency Multi-Position A-Coil and cabinet is designed to be installed with any gas furnace. The LG A-Coil's compact design makes installation easier, especially in tight spaces. With a height range of 24 to 34 inches, it provides more flexibility for a variety of applications without sacrificing performance.



Flexible Installation:

Designed for versatility, our unit can be installed in either a vertical or horizontal configuration to fit your space. The A-Coil supports vertical up-flow, down-flow, or horizontal air distribution, ensuring seamless integration into any home layout.



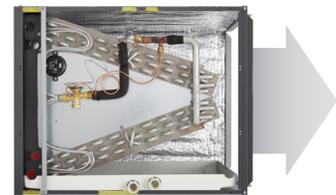
Vertical
Upflow



Vertical
Downflow



Horizontal
Left



Horizontal
Right



	Capacity (kBtu/h)	18		24		30	36		42	48		60	
		Size	14.5"	17.5"	17.5"	17.5"	17.5"	21"	21"	21"	24.5"	21"	24.5"
LGRED®	Indoor Unit	LKMMMA18A1	LKMMMA18B1	LKMMMA24B1	LKMMMA24B1	LKMMMA30B1	LKMMMA36B1	LKMMMA36C1	LKMMMA42C1	LKMMMA48C1	LKMMMA48D1	NA	NA
	Outdoor Unit	KUSXA181A	KUSXA181A	KUSXA241A	KUSXA301A	KUSXA301A	KUSXA361A	KUSXA361A	KUSXA422A	KUSXA482A	KUSXA482A	NA	NA
	ENERGY STAR® North	✓✓	✓✓	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	Not Applicable	Not Applicable
	ENERGY STAR® South	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	Not Applicable	Not Applicable
	Tax Credit	-	-	-	-	-	-	Both	Both	-	Both	Not Applicable	Not Applicable
High Efficiency	Indoor Unit	LKMMMA18A1	LKMMMA18B1	LKMMMA24B1	LKMMMA30B1	LKMMMA36B1	LKMMMA36C1	LKMMMA42C1	LKMMMA48C1	LKMMMA48C1	LKMMMA48D1	LKMMMA60C1	LKMMMA60D1
	Outdoor Unit	KUSXB181A	KUSXB181A	KUSXB241A	KUSXB301A	KUSXB361A	KUSXB361A	KUSXB421A	KUSXB481A	KUSXB601A	KUSXB481A	KUSXB601A	KUSXB601A
	ENERGY STAR® North	-	-	✓✓	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	-
	ENERGY STAR® South	-	✓	✓	-	✓	✓	✓	-	✓	-	-	-



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. Proper sizing and Installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

Select LG air conditioning systems may make homeowners eligible for equipment-related tax benefits and credits. Visit rebates.lghvac.com to see if your LG Air Conditioning System qualifies.

For the most up-to-date list of ENERGY STAR® models, visit the AHRI Directory at ahridirectory.org.

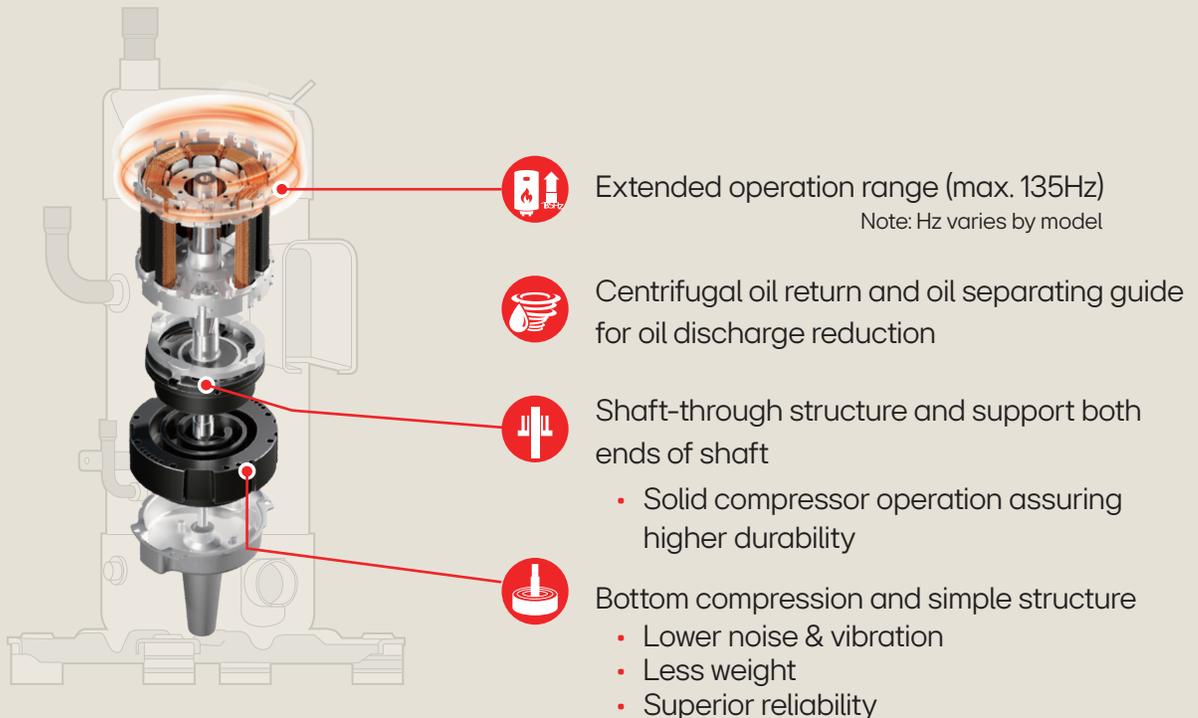






LG's Advanced Outdoor Unit Technology

R1 Compressor™ technology offers advanced efficiency, reliability, and operational range due in part to the enhanced tilting motion of the scroll.



Highly Efficient Heating and Cooling

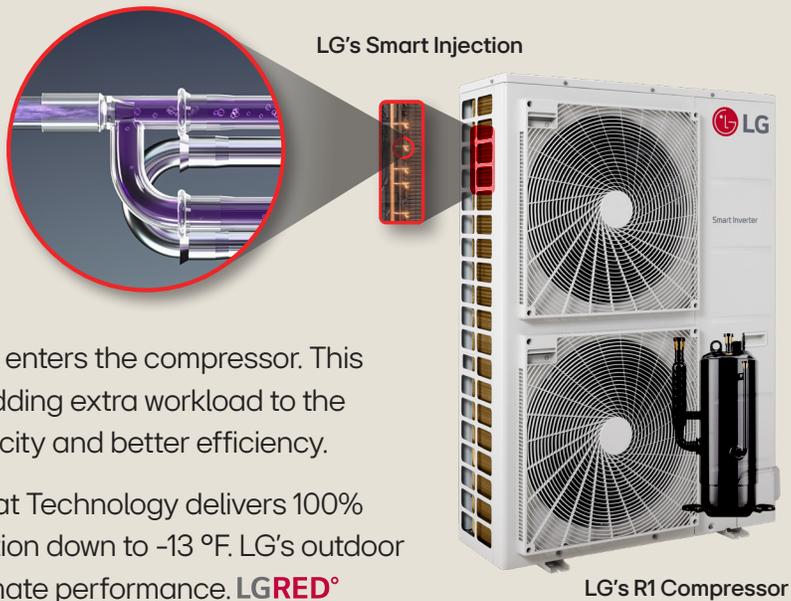
The LG Inverter Heat Pump delivers high-efficiency heating and cooling, using inverter compressors to optimize refrigerant flow and reduce energy consumption, even in extreme temperatures. With a wide operating range and a low-sound design, it enhances comfort while maintaining a smaller footprint than traditional unitary outdoor units.

The LG R1 Compressor stands out as a breakthrough in HVAC technology, merging the benefits of both scroll and rotary compressors for enhanced efficiency, durability, and performance. Its shaft-through structure minimizes internal pressure loss, while its hybrid scroll design optimizes energy use and reduces noise. The variable-speed operation ensures precise performance adjustments, leading to potential energy savings. Additionally, the bottom compression design improves oil circulation, enhancing long-term reliability.

LG's Smart Injection is a proprietary technology that optimizes refrigerant phase management for superior heating performance. Unlike traditional Vapor Injection, which injects refrigerant vapor mid-cycle to boost output in extreme cold, Smart Injection separates gaseous refrigerants from the heat exchanger, so that only denser liquid-phase refrigerant enters the compressor. This increases refrigerant flow density without adding extra workload to the compressor, leading to higher heating capacity and better efficiency.

When paired with some **LGRED°** models, Heat Technology delivers 100% heating capacity at 5 °F and reliable operation down to -13 °F. LG's outdoor HVAC units set a new standard for cold-climate performance. **LGRED°** ensures that heating remains powerful and efficient even in extreme temperatures, making it ideal for homeowners in harsh winter conditions. By integrating the R1 Compressor, Smart Injection, Vapor Injection, and **LGRED°** Heat Technology, LG's outdoor HVAC units ensure heating in extreme cold, potential energy savings without sacrificing power, and quieter operation compared to traditional systems. The result is an HVAC solution that delivers efficiency, reliability, and comfort, making LG a top choice for homeowners seeking cutting-edge in heating and cooling technology.

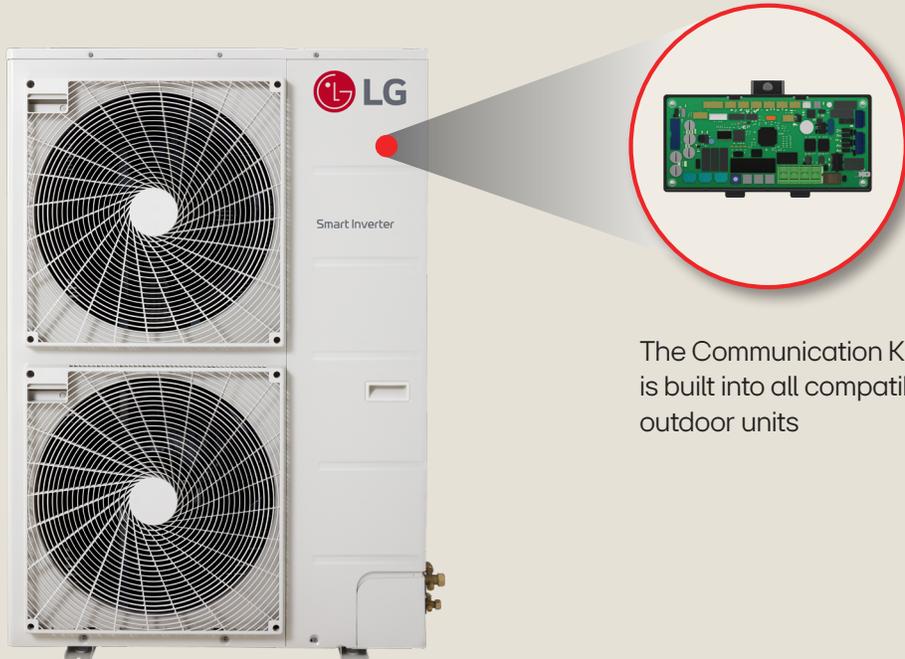
Note: Not all models include Smart Injection, Vapor Injection or the R1 Compressor.



Embedded Communication Kit

The A-Coil Embedded Communication Kit enables coordination between the A-Coil, gas furnace, and heat pump, creating a true dual-fuel system. Built into all compatible outdoor units, the kit continuously monitors environmental conditions via the outdoor unit and system performance to determine whether the gas furnace or heat pump is the most efficient heating source at any given time. This intelligent operation brings energy efficiency, enhances comfort, and ensures seamless performance.

- **Embedded:** The Communication Kit is built into all compatible outdoor units.
- **Compatibility:** Connects easily to your existing gas furnace.
- **Cost Savings:** No need to purchase extra accessories.
- **Convenience:** Saves installation space with an embedded design.



The Communication Kit is built into all compatible outdoor units





LG ThinQ®

Whenever, wherever, and no matter how many HVAC units you have, LG ThinQ® lets you easily access and control your heating and cooling solution from your compatible smart device*.

Using Wi-Fi, LG ThinQ® links smart products together so that they can work in unison to make your home smarter and more connected. The LG ThinQ® app allows you to control the comfort of each individual area of the home without sacrificing efficiency. Its Smart Diagnosis™ function allows you to troubleshoot problems. Additionally, you can receive maintenance alerts to wash each indoor unit filter based on an established schedule. You can also connect to both Amazon Alexa® and Google Assistant™ for voice-activated convenience.

New levels of control and convenience simplify everyday life and free up time so that you can stay focused on what matters.



*Requires Internet, Wi-Fi, or cellular access.



LG Electronics USA, Inc.

Air Conditioning Technologies

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www.LGHVAC.com

Visit www.LGHVAC.com for more information. Product specifications may be changed or modified from time to time by LGEUS in its sole discretion.

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