



# Residential and Light Commercial Solutions

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LG Air Conditioning Technologies

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# About LG

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## About LG Electronics USA

LG Electronics USA Inc., based in Englewood Cliffs, N.J., is the North American subsidiary of LG Electronics Inc., a smart life solutions company with annual global revenues of more than \$60 billion. In the United States, LG sells a wide range of innovative home appliances, consumer electronics products, commercial displays, air conditioning systems and vehicle components. LG is an 11-time ENERGY STAR® Partner of the Year. [www.LG.com](http://www.LG.com)

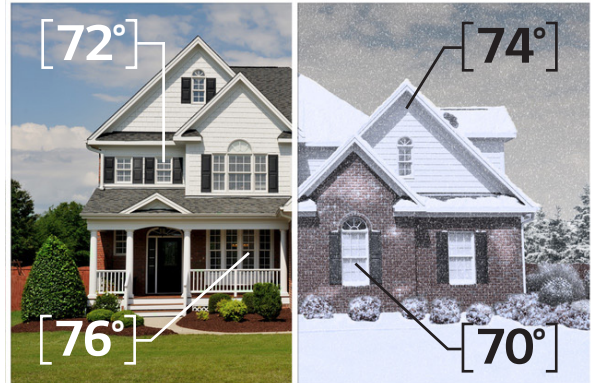
## About LG Air Conditioning Technologies USA

LG Electronics USA's Air Conditioning Technologies business is based in Alpharetta, Ga. LG is a leading player in the air conditioning market, manufacturing both commercial and residential air conditioners and building management solutions. From consumer and individual units to industrial and specialized air conditioning systems, LG provides a wide range of products for heating, ventilating, air conditioning, water heating, and building controls. Eleven-time ENERGY STAR® Partner of the Year, LG Electronics USA (based in Englewood Cliffs, N.J.), is the North American subsidiary of LG Electronics Inc., a smart life solutions company with annual revenues of more than \$60 billion. For more information on LG's offerings including the LG Pro Cast podcast series, visit [lghvac.com](http://lghvac.com).

# DYNAMIC SOLUTIONS FOR ENHANCED COMFORT AND EFFICIENCY

## LG HVAC: The Modern Alternative to Traditional Systems

Create a more comfortable, connected, and energy-efficient environment with LG's versatile range of residential and light commercial HVAC and water products. From ducted solutions to duct-free units, LG offers the flexibility to address a variety of space requirements. This variety helps ensure end users can enjoy tailored comfort, improved energy efficiency, and seamless integration into a home or business.



## Our Commitment to You:

### Experience the LG Difference

LG is a globally recognized brand in HVAC and consumer products, delivering high-quality heating and cooling solutions for homes and businesses. Whether it's a single-zone system, a water heating solution, or a multi-zone light commercial setup, LG provides reliable, energy-efficient options to keep spaces comfortable year-round.

### Performance You Can Count On

From our inverter technology and heating capabilities of LGRED°, our solutions are designed to deliver reliable performance, keeping occupants 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 can provide a suitable option.

### 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 may support lower energy consumption compared to conventional systems, depending on usage and conditions.

### 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 Recognize

From appliances to entertainment, LG is a name people know and trust. That same commitment to innovation and quality extends to our HVAC and water solutions, like the Inverter Heat Pump Water Heater and radiant heating, delivering comfort and performance backed by a globally recognized brand in HVAC and consumer products.







# Table of Contents



## Introduction

LG Advantages.....	6
Training & Recognition.....	8
Installation Best Practices.....	9
Key Features.....	10

## Single-Zone Solutions

Single-Zone Line-up.....	12
Wall-Mounted	
ARTCOOL™ Deluxe.....	14
ARTCOOL™ Mirror.....	15
ARTCOOL™ Premier.....	16
Extended Piping.....	17
High Efficiency.....	18
Standard Efficiency.....	19
Mega.....	20
Mega 115V.....	21
Low Wall Console.....	22
Ceiling Mounted	
1-Way Ceiling Cassette.....	23
4-Way Ceiling Cassette.....	24
Ducted	
Mid Static Ducted.....	28
A-Coil.....	32
Multi-Position Air Handler Unit.....	40

## Multi-Zone Solutions

Multi-Zone Line-up.....	46
Outdoor Units	
Multi F Outdoor Units.....	48
Multi F MAX Outdoor Units.....	50
Indoor Units	
Multi F Indoor Units.....	52
Multi F MAX Piping Accessories.....	58
Multi F Piping Summary.....	59

## Controls and Accessories

Controls.....	61
Indoor Accessories.....	62
Outdoor Accessories.....	63
Controls and Accessories Compatibility.....	64

## Reference Tables

ENERGY STAR® Products.....	68
Model Number Nomenclature.....	72

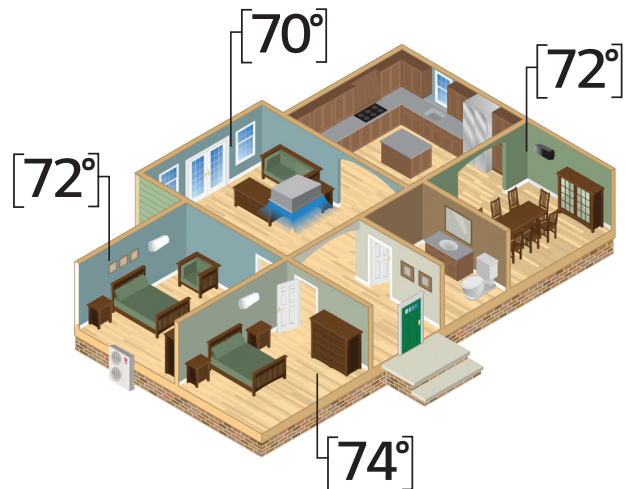


# LG Advantages



## Streamlined Controls

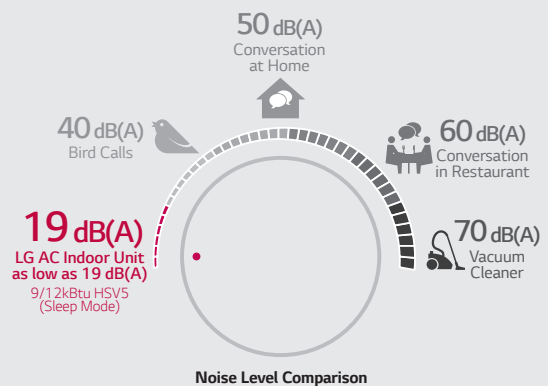
LG HVAC offers an array of control solutions, allowing homeowners and end-users to easily set their preferred temperature and airflow for their space from anywhere. Remote access requires internet connection and compatible mobile device/app. Features vary by model.



## Quiet Operation

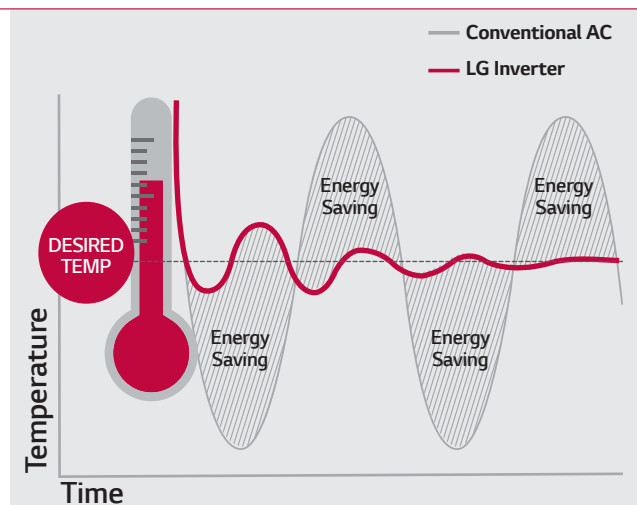
LG HVAC and water solutions, like the Inverter Heat Pump Water Heater and radiant heating, solutions operate at low sound levels, thanks to LG's specialized low-vibration compressor, and Brushless Direct Current (BLDC) motor technology that helps eliminate unnecessary noise and allows for smooth operation.

### Indoor Unit



## INVERTER Technology

LG heat pump solutions use inverter compressors to accurately meet temperature needs by adjusting output to help reduce unnecessary cycling and may improve energy efficiency compared to conventional fixed-speed systems. Unlike conventional systems that cycle on and off, an inverter compressor ramps up or down to match the capacity needed to maintain comfort levels within a conditioned zone.





# LG Advantages



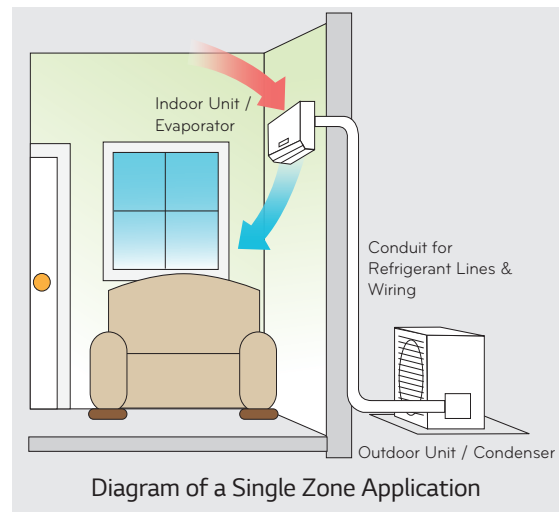
## LG THINQ®

With compatible models, wherever and no matter how many air conditioners you have, LG ThinQ® allows users to access and control your air conditioner from your compatible smart device.<sup>1</sup>



## Easy Installation

LG solutions are designed to support simplified installation compared to conventional ducted systems.. LG's duct-free solutions require little to no ductwork, and most indoor units can mount on any wall. LG's unitary solutions accommodate various installation needs, whether for new construction or retrofit applications, providing options for most any home. Smaller indoor and outdoor units ensure space-saving convenience. Moreover, long refrigerant piping lengths increase the distance between the indoor and outdoor units, allowing for extra installation and design flexibility.



## Air Quality

Select LG duct-free indoor units utilize 3M™ Micro Protection Filters<sup>2</sup> which capture dust and microscopic particles including common household matter such as pollen, pet dander and odors. Additional primary filters are washable, reducing life-time operation costs. Wall mount indoor units also self-clean the coil.

### Self-Cleaning Indoor Coil

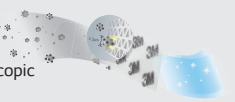
The interior of the air conditioner is maintained by drying off the heat exchanger, eliminating unwanted odors.



### MiCRO Dust Filter

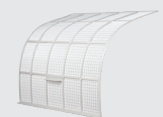
Powered by 3M Tech.

3M Micro Protection Filter, a high air flow filter with low noise, collects harmful microscopic substances including pollen and fine dust.



### Air Filter

This primary filter captures dust size over 10µm.

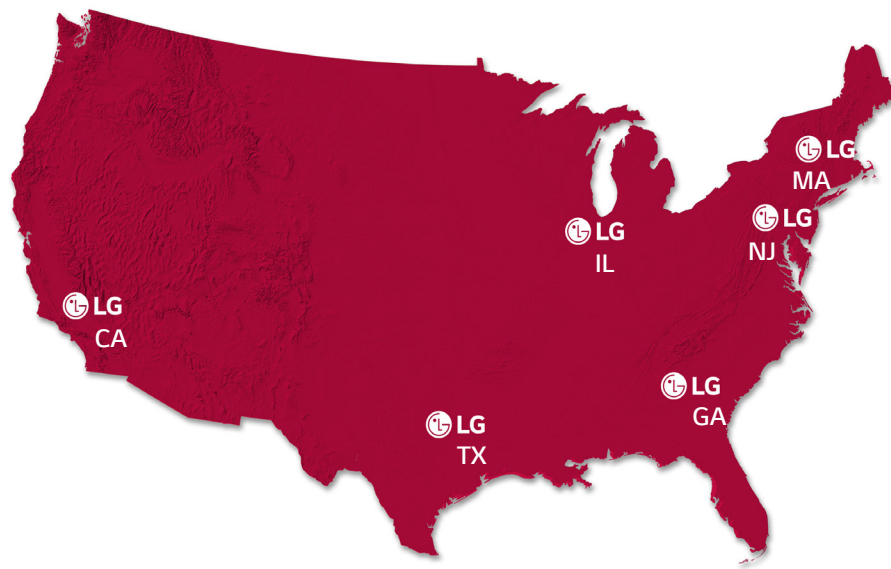


<sup>1</sup>LG ThinQ® is only available for select models. See product details for full compatibility.

<sup>2</sup>3M™ is only available for select models. See product details for full compatibility.



# Training and Recognition



## Training

LG Electronics USA's Air Conditioning Technologies business is headquartered near Atlanta in Alpharetta, Georgia, along with a full training academy. Additional training academies are currently located in California, Texas, New Jersey, and Massachusetts. Since 2008, our academies have trained thousands on the advantages of LG HVAC and water products, and even more have been trained through LG's online training modules. World-class trainers with years of experience teach classes in ducted and duct-free technology, with topics covering everything from installation to service for the full range of LG HVAC and water solutions. LG also has a number of strategically placed partner academies throughout the United States that offer several LG-focused training classes as well.

For HVAC professionals, LG offers online instruction via our Learning Management System and classroom training at our training academies. Training is open to all contractors; ask your LG Electronics authorized distributor for details. For more information and to find out how you can be part of the next training class near you visit <https://lghvac.com/training/>

## Service and Design Tools

As part of our commitment to innovation, LG has developed advanced tools to improve the service technician's experience during routine maintenance or repairs:

- **Mobile LGMV** connects to select outdoor units and allows technicians to troubleshoot accurately by interfacing directly with the unit and following step-by-step troubleshooting guidelines. The Mobile LGMV module connects to a free smartphone app developed by LG factory engineers.
- **LATS HVAC** is a design tool for LG Air Conditioning Technologies solutions. Using drag and drop functionality, design your LG solution quickly and let LATS calculate critical details like output capacity and additional refrigerant and confirm pipe lengths are within allowable tolerances. Reach out to your local LG representative for help designing your next project with LATS to save time.



### TAKE YOUR BUSINESS TO NEW LEVELS

The LG Pro Dealer Program provides specialized support and recognition for contractors who have been trained by factory teams to install LG Residential and Light Commercial Solutions, helping to set you apart from your competitors. Along with great incentives and recognition, the LG Pro Dealer Program provides the opportunity to qualify for an additional limited warranty, a website listing with LG Pro Dealer designation on the LG website's contractor locator, consumer lead referrals and local advertising materials. To find out how to put these tools to work for you, visit [lghvac.com/prodealer](https://lghvac.com/prodealer)



# Installation Best Practices

From small projects to large-scale installations, LG HVAC solutions are designed to fit anywhere. Explore the versatility of LG single-zone and multi-zone products, ideal for new construction, whole-home renovations, replacing outdated equipment, home additions, supporting energy-efficient operation, and tackling hot or cold climates.

Sizing and installation accuracy are key factors for the reliable performance of an LG HVAC solution. Increased energy efficiency, customizable design aesthetics and room-by-room comfort control are just a few of the benefits that come from a properly installed solution. Products should be installed in accordance with LG installation manuals and in compliance with applicable state and local codes.

Below are a few of the best practices used by Pro Dealers across the U.S. during installation.

Please refer to the appropriate Installation and Engineering manuals (LGHVAC.com) for installation instructions of LG air conditioning products.

## Unit Placement (Indoor & Outdoor)

- Leave appropriate clearances on all sides of the indoor and outdoor units to allow for proper airflow as well as service access
- Include space for drainage to ensure condensate flows properly out of the unit
- Units should be properly anchored to prevent unnecessary vibrations

### **Additionally for indoor units:**

- Keep unit away from any indoor steam or excessive heat
- No obstacles should be placed around unit
- ⊗ Do not install near a doorway or over a window
- Condensation drain should be routed away from the indoor unit to the outside

## Wiring

- Use wire that fulfills or exceeds the minimum wire requirements:
    - ODU to IDU wiring: 14-4
  - L1 and L2 are polarity sensitive on all models
  - Indoor units are 208/230 volts (or 115 volt on two Mega models)
  - Terminal 3 is 115 volt
  - ⊗ Never use wire nuts or splices in wiring
  - Use non-insulated spade connectors on all terminal connections
  - Use a JIS screwdriver on terminal block to avoid stripping out the screws
  - Only a dedicated electrical circuit is allowed
  - Always ground indoor and outdoor unit
  - Only connect one (1) end of the shielded cable if using shielded wire
- \*NOTE: All wiring must comply with applicable local and national codes.**






## Piping

- Use only the correct line sizes as determined by the indoor unit
- Use only copper refrigerant piping
- Insulate both refrigerant lines independently of each other
- Flare connections using a 45-degree flaring tool
- ⊗ Do not exceed the maximum pipe length or install less than the required minimum
- ⊗ Do not make vertical loops in the refrigerant piping
- Support pipe runs from sagging or bending

## Charging

- Leak test with dry nitrogen to at least 550 psi
- ⊗ Never use anything but soap bubbles designed for HVAC leak testing
- Use only an approved evacuation hose for proper evacuation and leak testing
- If possible, remove cores from system prior to starting evacuation
- Start with fresh vacuum pump oil and evacuate to less than 500 microns
- If refrigerant is added, use an electronic scale and weigh in the precise amount
- Open service valves prior to energizing the unit

## Piping Torque Specification:

					
Outside Diameter:	1/4"   6.35mm	3/8"   9.52mm	1/2"   12.7mm	5/8"   15.88mm	3/4"   19.05mm
Tightening Torque:	13.0 - 18.0 ft.-lbs.	24.6 - 30.4 ft.-lbs.	39.8 - 47.7 ft.-lbs.	45.4 - 59.3 ft.-lbs.	71.5 - 87.5 ft.-lbs.

## Installation and Service Tools:

- Quality Flaring Tool
- Digital Refrigerant Charging Scale
- Torque Wrench
- JIS Screwdriver
- Micron Gauge
- Vacuum Pump
- High-Quality Multimeter



All installation and service work must be performed by qualified HVAC technicians in accordance with local codes, and manufacturer instructions" Also, may want to include, "Actual performance and energy efficiency may vary depending on system design, installation, and operating systems.



# Key Features



## LGRED° Heat Technology

Advanced technology designed to deliver heating capacity up to or above the rated performance down to 5 F and capable of providing heating operation down to -13 F, depending on model and operating conditions

# LGRED°



## Dehumidifying Mode

Uses sensors in the indoor unit to accurately measure room temperature and control humidity by adjusting the setpoint and fan speed.



## Optimized Airflow



**Jet Cool / Jet Heat Mode** operates the unit at a high speed to help cool or heat a room more rapidly compared to standard operation.



**Auto Operation** adjusts the temperature and fan speed automatically to match the user's preference from three levels of comfort.



**Swirl Wind / Chaos Wind** allows for customized louver and fan speed operation to create a stronger, wider airflow designed to help reduce temperature stratification and enhance air circulation.



**ARTCOOL™ Gallery 3D Airflow** provides three - directional airflow designed to enhance air circulation



## Gold Fin

**Gold Fin™ Coating** is an anti-corrosion coating to help protect your product from corrosive elements, helping the coil maintain heat transfer properties over time.



## Defrost Control

Removes frost from the outdoor coil when ambient outdoor temperatures are low and simultaneously shuts down the indoor fan to prevent cold air from being blown into the controlled space.



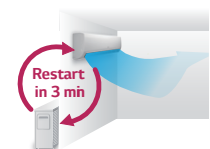
## Auto Sleep Mode

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



## Auto Restart

Automatically restarts the system after a power failure.



## Stylish Design

LG air conditioning solutions come in a variety of indoor units, including the ARTCOOL™ Gallery, which includes a panel that works like a customizable picture frame. LG's Multi-Position Air Handling Unit and A-Coil have a sleek, stylish appearance, which adds a contemporary touch. With clean lines, neutral color palettes, and a focus on contemporary design, LG outdoor units not only deliver exceptional performance but also enhance the overall look of an outdoor environment.















# Single-Zone Solutions





# Single-Zone Solutions Lineup

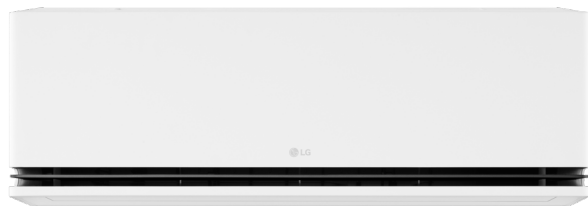
	Btu/h	9,000	12,000	15,000	18,000	24,000	30,000	36,000	42,000	48,000	60,000
        	ARTCOOL™ Deluxe	KNSAL091A	KNSAL121A								
	ARTCOOL™ Premier			KNSAL151A	KNSAL181A	KNSAL241A					
	ARTCOOL™ Mirror	KNUAK091A	KNUAK121A		KNUAK181A						
	Extended Piping					KNSAP241A	KNSAP301A	KNSAP361A			
	High Efficiency	KNUAB091A	KNUAB121A		KNUAB181A						
	Standard Efficiency	KNSAE091A	KNSAE121A		KNSAE181A	KNSAE241A					
	Mega	KNSAC091A	KNSAC121A		KNSAC181A	KNSAC241A					
	Mega 115V	KNSAC091B	KNSAC121B								
	Low Wall Console	KNUQB091A	KNUQB121A								
 	1-Way Ceiling Cassette	KNUFB091A	KNUFB121A		KNUFB181A KNUFB181A						
	4-Way Ceiling Cassette	KNUDB091A	KNUDB121A		KNUDB181A KNUDB181A	KNSCB241A KNSCB241A	KNSCB301A KNSCB301A	KNSCB361A KNSCB361A	KNSCB421A KNSCB421A	KNSCB481A KNSCB481A	
  	Mid Static Ducted	KNUJB091A	KNUJB121A		KNUJB181A KNUJB181A	KNUJB241A KNUJB241A	KNUJB301A KNUJB301A	KNUJB361A KNUJB361A	KNSJB421A KNSJB421A	KNSJB481A KNSJB481A	
	A-Coil	LKMMA18A1 LKMMA18B1 LKMMA18A1 LKMMA18B1				LKMMA24B1 LKMMA24B1	LKMMA30B1 LKMMA30B1	LKMMA36B1 LKMMA36C1 LKMMA36B1 LKMMA36C1	LKMMA42C1 LKMMA42C1	LKMMA48C1 LKMMA48D1 LKMMA48C1 LKMMA48D1	LKMMA60C1 LKMMA60D1
	Multi Position Air Handling Unit		KNSLB121A KNSLB121A		KNSLB181A KNSLA181A KNSLE182A	KNSLB241A KNSLA241A KNSLE242A	KNSLB301A KNSLA301A KNSLE302A	KNSLB361A KNSLA361A KNSLE362A	KNSLB421A KNSLB421A KNSLE422A	KNSLB481A KNSLB481A KNSLE482A	KNSLB601A KNSLE602A

Red = LGRED Blue = CV





# ARTCOOL™ Deluxe



**LGRED°**  
**LG ThinQ®**

**KUSAL091A**  
**KUSAL121A**



Specification			9 kBTu/h	12 kBTu/h
	System		KSSAL091A	KSSAL121A
	Indoor Unit		KNSAL091A	KNSAL121A
	Outdoor Unit		KUSAL091A	KUSAL121A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070 ~ 9,000 ~ 13,000	3,070 ~ 12,000 ~ 14,100
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070 ~ 11,000 ~ 16,500	3,070 ~ 13,000 ~ 20,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	13,730 (125%)	16,820 (129%)
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	12,000 (109%)	14,700 (113%)
	Max Heating Capacity at Outdoor 0 °F (WB)	Btu/h	11,700 (106%)	14,550 (112%)
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	11,400 (104%)	14,000 (108%)
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	11,000 (100%)	13,000 (100%)
	SEER2		270	25.5
	EER2		15.8	13.8
Power	HSPF2		13.5	11.2
	COP at 47 °F		4.45	4.08
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.200 ~ 0.570 ~ 1.500	0.200 ~ 0.870 ~ 1.600
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.190 ~ 0.724 ~ 1.600	0.190 ~ 0.934 ~ 2.000
	MCA / MOCP	A	15.0 / 20.0	15.0 / 20.0
	Power / Communication Cable (ODU to IDU)	No. x AWG	4 x 14	4 x 14
	Rated Amps	A	10.4	10.4
Operation Range	ODU Operation Range Heating	°F WB	-31 to 65	-31 to 65
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118
	IDU Operation Range Heating	°F WB	53 to 75	53 to 75
	IDU Operation Range Cooling	°F DB	60 to 86	60 to 86
	Setpoint Range Cooling	°F	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	35-1/4 x 12-3/32 x 9-1/4	35-1/4 x 12-3/32 x 9-1/4
	ODU Dimensions (W x H x D)	in	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	24.3 / 28.7	24.3 / 28.7
	ODU Weight (Net / Shipping)	lbs	99.2 / 109.1	99.2 / 109.1
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	494 / 424 / 318 / 219	494 / 424 / 318 / 219
	Airflow Rate Heating (Max / H / M / L)	CFM	515 / 424 / 318 / 219	515 / 424 / 318 / 219
	Dehumidification	pts/hr	3.17	3.59
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R-32	R-32
Sound Pressure	Indoor Cooling (H / M / L / SL)	dB(A)	42 / 35 / 27 / 21	42 / 35 / 27 / 21
	Indoor Heating (H / M / L)	dB(A)	42 / 35 / 27	42 / 35 / 27
	Outdoor Max (Cool / Heat)	dB(A)	48 / 50	48 / 50
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 65.6	98 / 24.6 / 65.6
	Piping Length (no add'l refrigerant)	ft	41	41
	Max Pipe Elevation	ft	39.4	39.4
	Pre Charge	Oz	40.6	40.6
	Additional Refrigerant	oz/ft	0.16	0.16
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8

## Note:

This data is rated 0 feet above sea level with 24.6 feet of refrigerant line per indoor unit and a 0 foot level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power wiring/communication cables from outdoor unit to indoor unit are field supplied and are to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded (if shielded, must be grounded to chassis at outdoor unit only) and must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. Due to our commitment to continued innovation, some specifications may be changed without notification.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

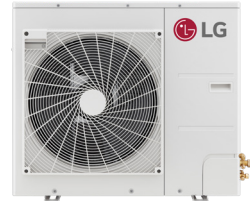
Due to our commitment to continued innovation, some specifications may be changed without notification.

# ARTCOOL™ Premier



**LGRED°**  
**LG ThinQ®**

**KUSAL151A**  
**KUSAL181A**  
**KUSAL241A**



Single-Zone

Wall-Mounted

Specification			15 kBtu/h	18 kBtu/h	24 kBtu/h
System			KSSAL151A	KSSAL181A	KSSAL241A
Indoor Unit			KNSAL151A	KNSAL181A	KNSAL241A
Outdoor Unit			KUSAL151A	KUSAL181A	KUSAL241A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070 ~ 15,000 ~ 24,000	3,070 ~ 18,000 ~ 28,000	3,070 ~ 22,000 ~ 30,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070 ~ 18,000 ~ 25,700	3,070 ~ 21,600 ~ 27,400	3,070 ~ 24,000 ~ 30,800
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	20,200 (112%)	24,300 (113%)	24,300 (101%)
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	18,000 (100%)	21,600 (100%)	21,600 (90%)
	Max Heating Capacity at Outdoor 0 °F (WB)	Btu/h	16,290 (91%)	19,520 (90%)	19,520 (81%)
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	12,330 (69%)	14,780 (68%)	14,780 (62%)
	SEER2		25.0	24.0	23.0
	EER2		15.0	14.4	13.0
Power	HSPF2		11.2	11.0	10.2
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.40 ~ 1.0 ~ 2.20	0.40 ~ 1.25 ~ 2.65	0.40 ~ 1.69 ~ 3.17
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.55 ~ 1.12 ~ 2.45	0.66 ~ 1.54 ~ 2.83	0.66 ~ 1.92 ~ 3.24
	MCA / MOCP	A	190 / 30.0	190 / 30.0	190 / 30.0
	Power/Communication Cable	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps	A	14.8	14.8	14.8
Operation Range	ODU Operation Range Cooling	°F WB	14 to 118	14 to 118	14 to 118
	ODU Operation Range Heating	°F DB	-13 to 65	-13 to 65	-13 to 65
	IDU Operation Range Heating	°F WB	53 to 75	53 to 75	53 to 75
	IDU Operation Range Cooling	°F DB	60 to 86	60 to 86	60 to 86
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	41 23/32 x 14 3/16 x 10 7/16	41 23/32 x 14 3/16 x 10 7/16	41 23/32 x 14 3/16 x 10 7/16
	ODU Dimensions (W x H x D)	in	37 13/32 x 32 3/4 x 13	37 13/32 x 32 3/4 x 13	37 13/32 x 32 3/4 x 13
Weight	IDU Weight (Net / Shipping)	lbs	377 / 45.6	377 / 45.6	377 / 45.6
	ODU Weight (Net / Shipping)	lbs	135.4 / 147.7	135.4 / 147.7	135.4 / 147.7
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	813 / 601 / 495 / 389	813 / 601 / 495 / 389	813 / 601 / 495 / 389
	Airflow Rate Heating (Max / H / M / L)	CFM	919 / 707 / 601 / 495	919 / 707 / 601 / 495	919 / 707 / 601 / 495
	Dehumidification	pts/hr	3.8	4.23	4.65
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R32	R32	R32
Sound Pressure	Indoor Cooling (H / M / L / SL)	dB(A)	49 / 44 / 40 / 30	49 / 44 / 40 / 30	49 / 44 / 40 / 30
	Indoor Heating (H / M / L)	dB(A)	49 / 44 / 40	49 / 44 / 40	49 / 44 / 40
	Outdoor Max (Cool / Heat)	dB(A)	55 / 56	55 / 56	55 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 164.0	98 / 24.6 / 164.0	98 / 24.6 / 164.0
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	65.3	65.3	65.3
	Additional Refrigerant	oz/ft	0.32	0.32	0.32
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. Due to our commitment to continued innovation, some specifications may be changed without notification.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# ARTCOOL™ Mirror

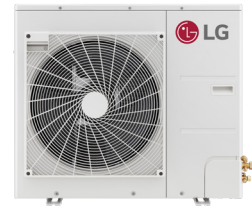


LG ThinQ®

KUSAB091A  
KUSAB121A



KUSAB181A



Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h
System			KSUAK091A	KSUAK121A	KSUAK181A
			Indoor Unit	Indoor Unit	Indoor Unit
			Outdoor Unit	Outdoor Unit	Outdoor Unit
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	1,023 ~ 9,000 ~ 12,625	1,023 ~ 12,000 ~ 14,100	3,070 ~ 18,000 ~ 24,210
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	1,023 ~ 10,900 ~ 17,061	1,023 ~ 13,600 ~ 19,040	3,070 ~ 21,600 ~ 30,020
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	11,200 (103%)	12,400 (91%)	18,600 (86%)
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	9,500 (87%)	10,000 (74%)	15,120 (70%)
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	7,810 (72%)	8,010 (59%)	12,160 (56%)
	SEER2		23.8	22.5	23
	EER2		14.95	12.8	13
	HSPF2		10.9	10.5	10
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.20 ~ 0.60 ~ 1.40	0.20 ~ 0.93 ~ 1.60	0.30 ~ 1.38 ~ 2.65
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.19 ~ 0.71 ~ 1.80	0.19 ~ 1.04 ~ 1.97	0.66 ~ 1.83 ~ 3.30
	MCA / MOCP	A	12.0 / 15.0	12.0 / 15.0	19.0 / 30.0
	Power Supply Wiring	No. x AWG	3 x 14	3 x 14	3 x 12
	Rated Amps	A	8.7	8.7	15.1
Operation Range	ODU Operation Range Heating	°F WB	-4 to 65	-4 to 65	-4 to 65
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118	14 to 118
	IDU Operation Range Cooling	°F WB	53 to 75	53 to 75	53 to 75
	IDU Operation Range Heating	°F DB	60 to 86	60 to 86	60 to 86
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	32 15/16 x 12 1/8 x 7 9/16	32 15/16 x 12 1/8 x 7 9/16	39 9/32 x 13 19/32 x 8 11/32
	ODU Dimensions (W x H x D)	in	30 5/16 x 21 15/32 x 11 11/32	30 5/16 x 21 15/32 x 11 11/32	37 13/32 x 32 3/4 x 13
Weight	IDU Weight (Net / Shipping)	lbs	22.7 / 24.5	22.7 / 24.5	27.8 / 33.5
	ODU Weight (Net / Shipping)	lbs	68.8 / 75.6	68.8 / 75.6	127.9 / 145.5
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	459 / 388 / 318 / 194	459 / 388 / 318 / 194	706 / 530 / 477 / 371
	Airflow Rate Heating (Max / H / M / L)	CFM	459 / 388 / 318 / 229	459 / 388 / 318 / 229	706 / 547 / 494 / 371
	Dehumidification	pts/hr	2.7	2.75	5.5
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R32	R32	R32
Sound Pressure	Indoor Cooling (H / M / L / SL)	dB(A)	41 / 35 / 25 / 21	41 / 35 / 25 / 21	47 / 42 / 37 / 31
	Indoor Heating (H / M / L)	dB(A)	41 / 35 / 26	41 / 35 / 26	47 / 42 / 37
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	47 / 51	55 / 55
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 / 1/4	1/4 / 1/4	3/8 / 3/8
	Vapor Pipe (Connection / Pipe Size)	in	3/8 / 3/8	3/8 / 3/8	5/8 / 5/8
	Pipe Length (Min / Standard / Max)	ft	9.8 / 24.6 / 82	9.8 / 24.6 / 82	9.8 / 24.6 / 114.8
	Piping Length (no additional refrigerant)	ft	41	41	24.6
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Pre Charge	Oz	28.9	28.9	51.1
	Additional Refrigerant	oz/ft	0.16	0.16	0.32
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
	Additional Refrigerant	oz/ft	0.16	0.16	0.32
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. Due to our commitment to continued innovation, some specifications may be changed without notification.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

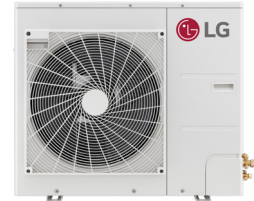
Due to our commitment to continued innovation, some specifications may be changed without notification.

# Extended Piping



LG ThinQ®

KUSAP241A  
KUSAP301A  
KUSAP361A



Single-Zone

Wall-Mounted

Specification			24 kBtu/h	30 kBtu/h	36 kBtu/h
	System		KSSAP241	KSSAP301A	KSSAP361A
	Indoor Unit		KNSAP241A	KNSAP301A	KNSAP361A
	Outdoor Unit		KUSAP241A	KUSAP301A	KUSAP361A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~22,000~30,000	3,070~30,000~32,000	3,070~33,000~34,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~24,000~30,800	3,070~32,400~36,500	3,070~35,200~38,900
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	23,210 (97%)	27,500 (85%)	30,000 (85%)
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	20,000 (83%)	24,000 (74%)	26,000 (74%)
	Max Heating Capacity at Outdoor 0 °F (WB)	Btu/h	17,800 (74%)	21,500 (66%)	23,210 (66%)
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	16,580 (69%)	20,030 (62%)	21,620 (61%)
	SEER2		22.0	21.0	20.0
	EER2		13.0	11.3	10.00
	HSPF2		9.7	8.5	8.5
Power	COP at 47 °F		208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.4~1.692~3.170	0.5~2.654~3.60	0.5~3.30~4.020
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.660~1.920~3.240	0.660~2.592~4.100	0.660~2.933~4.370
	MCA / MOC	A	190 / 30.0	23.0 / 30.0	23.0 / 30.0
	Power / Communication Cable (ODU to IDU)	No. x AWG	4 x 14	4 x 14	4 x 14
Operation Range	Rated Amps	A	14.4	15.1	15.1
	ODU Operation Range Heating	°F WB	4 to 65	4 to 65	4 to 65
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118	14 to 118
	IDU Operation Range Cooling	°F WB	53 to 75	53 to 75	53 to 75
	IDU Operation Range Heating	°F DB	60 to 86	60 to 86	60 to 86
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86
Net Dimensions	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86
	IDU Dimensions (W x H x D)	in	41 23/32 x 14 3/16 x 10 7/16	41 23/32 x 14 3/16 x 10 7/16	41 23/32 x 14 3/16 x 10 7/16
Weight	ODU Dimensions (W x H x D)	in	37 13/32 x 32 3/4 x 13	37 13/32 x 32 3/4 x 13	37 13/32 x 32 3/4 x 13
	IDU Weight (Net / Shipping)	lbs	36.6 / 44.5	40.8 / 48.9	40.8 / 48.9
Unit Data	ODU Weight (Net / Shipping)	lbs	135.4 / 147.7	147.9 / 160.3	147.9 / 160.3
	Airflow Rate Cooling (Max / H / M / L)	CFM	813 / 601 / 495 / 389	1,095 / 883 / 742 / 601	1,095 / 883 / 742 / 601
	Airflow Rate Heating (Max / H / M / L)	CFM	919 / 707 / 601 / 495	1,166 / 954 / 813 / 671	1,166 / 954 / 813 / 671
	Dehumidification	pts/hr	4.65	5.49	5.49
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
Sound Pressure	Refrigerant Type		R32	R32	R32
	Indoor Cooling (H / M / L / SL)	dB(A)	49 / 44 / 40 / 30	51 / 47 / 43 / 33	51 / 47 / 43 / 33
	Indoor Heating (H / M / L)	dB(A)	49 / 44 / 40	51 / 47 / 43	51 / 47 / 43
	Outdoor Max (Cool / Heat)	dB(A)	55 / 56	55 / 58	55 / 58
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 164.0	98 / 24.6 / 164.0	98 / 24.6 / 164.0
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	65.3	70.5	70.5
	Additional Refrigerant	oz/ft	0.32	0.32	0.32
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8

## Note:

This data is rated 0 feet above sea level with 24.6 feet of refrigerant line per indoor unit and a 0 foot level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power wiring/communication cables from outdoor unit to indoor unit are field supplied and are to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded (if shielded, must be grounded to chassis at outdoor unit only) and must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# High Efficiency

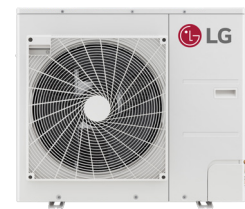


LG ThinQ®

KUSAB091A  
KUSAB121A



KUSAB181A



Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h
System			KSUAB091A	KSUAB121A	KSUAB181A
			Indoor Unit	KNUAB091A	KNUAB181A
			Outdoor Unit	KUSAB091A	KUSAB181A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	1,023 ~ 9,000 ~ 12,625	1,023 ~ 12,000 ~ 14,100	3,070 ~ 18,000 ~ 24,210
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	1,023 ~ 10,900 ~ 17,061	1,023 ~ 13,600 ~ 19,040	3,070 ~ 21,600 ~ 30,020
	Max Heating Capacity at Outdoor 17°F (WB)	Btu/h	11,200 (103%)	12,400 (91%)	18,600 (86%)
	Max Heating Capacity at Outdoor 5°F (WB)	Btu/h	9,500 (87%)	10,000 (74%)	15,120 (70%)
	Max Heating Capacity at Outdoor 0°F (WB)	Btu/h	7,810 (72%)	8,010 (59%)	12,160 (56%)
	SEER2		23.8	22.5	23
	EER2		14.95	12.8	13
	HSPF2		10.9	10.5	10.0
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.20 ~ 0.60 ~ 1.40	0.20 ~ 0.93 ~ 1.60	0.30 ~ 1.38 ~ 2.65
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.19 ~ 0.71 ~ 1.80	0.19 ~ 1.04 ~ 1.97	0.66 ~ 1.83 ~ 3.30
	MCA / MOCP	A	12.0 / 15.0	12.0 / 15.0	19.0 / 30.0
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Rated Amps	A	8.7	8.7	15.1
Operation Range	ODU Operation Range Heating	°F WB	4 to 65	4 to 65	4 to 65
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118	14 to 118
	IDU Operation Range Cooling	°F WB	53 to 75	53 to 75	53 to 75
	IDU Operation Range Heating	°F DB	60 to 86	60 to 86	60 to 86
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	32 15/16 x 12 1/8 x 7 7/16	32 15/16 x 12 1/8 x 7 7/16	39 9/32 x 13 19/32 x 8 9/32
	ODU Dimensions (W x H x D)	in	30 5/16 x 21 15/32 x 11 11/32	30 5/16 x 21 15/32 x 11 11/32	37 13/32 x 32 3/4 x 13
Weight	IDU Weight (Net / Shipping)	lbs	1973 / 227	1973 / 227	260 / 318
	ODU Weight (Net / Shipping)	lbs	68.8 / 75.6	68.8 / 75.6	127.9 / 145.5
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	459 / 388 / 318 / 194	459 / 388 / 318 / 194	706 / 530 / 477 / 371
	Airflow Rate Heating (Max / H / M / L)	CFM	459 / 388 / 318 / 229	459 / 388 / 318 / 229	706 / 547 / 494 / 371
	Dehumidification	pts/hr	2.7	2.75	5.5
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
Sound Pressure	Refrigerant Type		R32	R32	R32
	Indoor Cooling (H / M / L / SL)	dB(A)	41 / 35 / 25 / 21	41 / 35 / 25 / 21	47 / 42 / 37 / 31
	Indoor Heating (H / M / L)	dB(A)	41 / 35 / 26	41 / 35 / 26	47 / 42 / 37
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	47 / 51	55 / 55
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 / 1/4	1/4 / 1/4	3/8 / 3/8
	Vapor Pipe (Connection / Pipe Size)	in	3/8 / 3/8	3/8 / 3/8	5/8 / 5/8
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 82	98 / 24.6 / 82	98 / 24.6 / 114.8
	Piping Length (no add'l refrigerant)	ft	41	41	24.6
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Pre Charge	Oz	28.9	28.9	51.1
	Additional Refrigerant	oz/ft	0.16	0.16	0.32
Drain (OD, ID)		in	27/32, 5/8	27/32, 5/8	27/32, 5/8

**Note:**

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Standard Efficiency



KUSAE091A  
KUSAE121A



KUSAE181A  
KUSAE241A



Single-Zone

Wall-Mounted

Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h	24 kBtu/h
	System		KSSAE091A	KSSAE121A	KSSAE181A	KSSAE241A
	Indoor Unit		KNSAE091A	KNSAE121A	KNSAE181A	KNSAE241A
	Outdoor Unit		KUSAE091A	KUSAE121A	KUSAE181A	KUSAE241A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~9,000~11,980	3,070~11,000~13,780	3,685~18,000~19,600	3,685~21,200~24,500
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~10,900~12,930	3,070~12,000~13,780	3,685~19,000~23,000	3,685~22,000~25,260
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	9,810 (90%)	10,560 (88%)	15,800 (83%)	17,700 (80%)
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	7,700 (71%)	8,400 (70%)	13,300 (70%)	13,800 (63%)
	SEER2		18.0	18.0	18.0	18.0
	EER2		12.0	12.0	12.0	12.0
	HSPF2		8.7	8.5	8.9	8.3
Power	COP at 47 °F		208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.2~0.75~1.4	0.2~0.917~1.540	0.238~1.500~2.180	0.240~1.767~2.800
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.195~0.885~1.5	0.195~1.02~1.64	0.238~1.60~2.45	0.24~2.02~2.60
	MCA / MOCP	A	10.0 / 15.0	10.0 / 15.0	15.0 / 20.0	15.0 / 20.0
	Power / Communication Cable (ODU to IDU)	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps (Cooling/Heating)	A	5.2/7.3	5.2/7.3	10.1/10.6	10.1/10.6
Operation Range	ODU Operation Range Heating	°F WB	5 to 65	5 to 65	5 to 65	5 to 65
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118	14 to 118	14 to 118
	IDU Operation Range Heating	°F DB	60 to 86	60 to 86	60 to 86	60 to 86
	IDU Operation Range Cooling	°F WB	53 to 75	53 to 75	53 to 75	53 to 75
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	32 15/16 x 12 1/8 x 7 7/16	32 15/16 x 12 1/8 x 7 7/16	39 9/32 x 13 19/32 x 8 9/32	39 9/32 x 13 19/32 x 8 9/32
	ODU Dimensions (W x H x D)	in	28 7/32 x 19 1/2 x 9 1/16	28 7/32 x 19 1/2 x 9 1/16	34 1/4 x 25 19/32 x 13	34 1/4 x 25 19/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	19.2 / 22	19.2 / 22	26 / 30	26 / 30
	ODU Weight (Net / Shipping)	lbs	55.3 / 60	55.3 / 60	92.6 / 102.5	92.6 / 102.5
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	459 / 353 / 264 / 148	459 / 353 / 264 / 148	689 / 512 / 459 / 371	689 / 512 / 459 / 371
	Airflow Rate Heating (Max / H / M / L)	CFM	459 / 353 / 254 / 198	459 / 353 / 254 / 198	653 / 565 / 477 / 388	653 / 565 / 477 / 388
	Dehumidification	pts/hr	2.32	2.75	3.38	3.38
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
Sound Pressure	Refrigerant Type		R32	R32	R32	R32
	Indoor Cooling (H / M / L / SL)	dB(A)	42 / 36 / 28 / 21	42 / 36 / 28 / 21	48 / 43 / 38 / 32	48 / 43 / 38 / 32
	Indoor Heating (H / M / L)	dB(A)	42 / 36 / 28	42 / 36 / 28	48 / 43 / 38	48 / 43 / 38
	Outdoor Max (Cool / Heat)	dB(A)	50 / 50	50 / 50	55 / 55	55 / 55
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	1/2 Flare / 1/2 Flare	1/2 Flare / 1/2 Flare
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 49.2	98 / 24.6 / 49.2	98 / 24.6 / 65.6	98 / 24.6 / 65.6
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	23	23	32.8	32.8
	Pre Charge	Oz	24.7	24.7	39.8	38.8
	Additional Refrigerant	oz/ft	0.16	0.16	0.22	0.22
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8

## Note:

This data is rated 0 feet above sea level with 24.6 feet of refrigerant line per indoor unit and a 0 foot level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power wiring/communication cables from outdoor unit to indoor unit are field supplied and are to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded (if shielded, must be grounded to chassis at outdoor unit only) and must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# Mega



KUSAC091A  
KUSAC121A

KUSAC181A  
KUSAC241A



Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h	24 kBtu/h	
			System	KSSAC091A	KSSAC121A	KSSAC181A	KSSAC241A
			Indoor Unit	KNSAC091A	KNSAC121A	KNSAC181A	KNSAC241A
			Outdoor Unit	KUSAC091A	KUSAC121A	KUSAC181A	KUSAC241A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~9,000~11,980	3,070~11,000~13,780	3,685~18,000~19,600	3,685~21,200~24,500	
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~10,900~12,930	3,070~12,000~13,780	3,685~19,000~23,000	3,685~22,000~25,260	
	Max Heating Capacity at Outdoor 17°F (WB)	Btu/h	9,810 (90%)	10,560 (88%)	15,800 (83%)	17,700 (80%)	
	Max Heating Capacity at Outdoor 5°F (WB)	Btu/h	7,700 (71%)	8,400 (70%)	13,300 (70%)	13,800 (63%)	
	SEER2		21.0	20.0	21.0	20.0	
	EER2		12.5	12.3	12.5	12.3	
	HSPF2		9.2	9.0	9.4	8.8	
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.20~0.72~1.33	0.20~0.894~1.44	0.238~1.44~2.10	0.24~1.723~2.70	
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.195~0.838~1.40	0.195~0.965~1.55	0.238~1.50~2.35	0.24~1.894~2.50	
	MCA / MOCP	A	10.0 / 15.0	10.0 / 15.0	15.0 / 20.0	15.0 / 20.0	
	Power / Communication Cable (ODU to IDU)	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	
	Rated Amps (Cooling/Heating)	A	5.2 / 7.3	5.2 / 7.3	10.1 / 10.6	10.1 / 10.6	
Operation Range	ODU Operation Range Heating	°F WB	5 to 65	5 to 65	5 to 65	5 to 65	
	ODU Operation Range Cooling	°F DB	14 to 118	14 to 118	14 to 118	14 to 118	
	IDU Operation Range Heating	°F DB	60 to 86	60 to 86	60 to 86	60 to 86	
	IDU Operation Range Cooling	°F WB	53 to 75	53 to 75	53 to 75	53 to 75	
	Setpoint Range Cooling	°F	64 to 86	64 to 86	64 to 86	64 to 86	
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86	60 to 86	
Net Dimensions	IDU Dimensions (W x H x D)	in	32 15/16 x 12 1/8 x 7 7/16	32 15/16 x 12 1/8 x 7 7/16	39 9/32 x 13 19/32 x 8 9/32	39 9/32 x 13 19/32 x 8 9/32	
	ODU Dimensions (W x H x D)	in	28 7/32 x 19 1/2 x 9 1/16	28 7/32 x 19 1/2 x 9 1/16	34 1/4 x 25 19/32 x 13	34 1/4 x 25 19/32 x 13	
Weight	IDU Weight (Net / Shipping)	lbs	19.2 / 22	19.2 / 22	26 / 30	26 / 30	
	ODU Weight (Net / Shipping)	lbs	55.3 / 60	55.3 / 60	92.6 / 102.5	92.6 / 102.5	
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	459 / 353 / 264 / 148	459 / 353 / 264 / 148	689 / 512 / 459 / 371	689 / 512 / 459 / 371	
	Airflow Rate Heating (Max / H / M / L)	CFM	459 / 353 / 254 / 198	459 / 353 / 254 / 198	653 / 565 / 477 / 388	653 / 565 / 477 / 388	
	Dehumidification	pts/hr	2.32	2.75	3.38	3.38	
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	
Sound Pressure	Refrigerant Type		R32	R32	R32	R32	
	Indoor Cooling (H / M / L / SL)	dB(A)	42 / 36 / 28 / 21	42 / 36 / 28 / 21	48 / 43 / 38 / 32	48 / 43 / 38 / 32	
	Indoor Heating (H / M / L)	dB(A)	42 / 36 / 28	42 / 36 / 28	48 / 43 / 38	48 / 43 / 38	
	Outdoor Max (Cool / Heat)	dB(A)	50 / 50	50 / 50	55 / 55	55 / 55	
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	1/2 Flare / 1/2 Flare	1/2 Flare / 1/2 Flare	
	Pipe Length (Min / Standard / Max)	ft	98 / 24.6 / 49.2	98 / 24.6 / 49.2	98 / 24.6 / 65.6	98 / 24.6 / 65.6	
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6	
	Max Pipe Elevation	ft	23	23	32.8	32.8	
	Pre Charge	Oz	24.7	24.7	38.8	38.8	
	Additional Refrigerant	oz/ft	0.16	0.16	0.22	0.22	
Drain (OD, ID)		in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / No	

## Note:

This data is rated 0 feet above sea level with 24.6 feet of refrigerant line per indoor unit and a 0 foot level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power wiring/communication cables from outdoor unit to indoor unit are field supplied and are to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded (if shielded, must be grounded to chassis at outdoor unit only) and must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Mega 115V



KUSAC091B  
KUSAC121B



Single-Zone

Wall-Mounted

Specification			9 kBtu/h	12 kBtu/h
System			KSSAC091B	KSSAC121B
Indoor Unit			KNSAC091B	KNSAC121B
Outdoor Unit			KUSAC091B	KUSAC121B
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~9,000~11,980	3,070~11,000~13,780
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	3,070~10,900~12,930	3,070~12,000~13,780
	Max Heating Capacity at Outdoor 17°F (WB)	Btu/h	9,810 (90%)	10,560 (88%)
	Max Heating Capacity at Outdoor 5°F (WB)	Btu/h	7,700 (71%)	8,400 (70%)
	SEER2		21.00	20.00
	EER2		12.5	12.3
Power	HSPF2		9.2	9.0
	Voltage (IDU)	V, Hz, Ø	115, 60, 1	115, 60, 1
	Voltage (ODU)	V, Hz, Ø	115, 60, 1	115, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.20~0.72~1.33	0.20~0.894~1.44
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.195~0.838~1.40	0.195~0.965~1.55
	MCA / MOCP	A	15.0 / 20.0	15.0 / 20.0
Operation Range	Power / Communication Cable (ODU to IDU)	No. x AWG	4 x 14	4 x 14
	Rated Amps (Cooling/Heating)	A	10.2 / 11.7	10.2 / 11.7
	ODU Operation Range Heating	°F DB	5 to 65	5 to 65
	ODU Operation Range Cooling	°F WB	14 to 118	14 to 118
	IDU Operation Range Heating	°F WB	60 to 86	60 to 86
	IDU Operation Range Cooling	°F DB	53 to 75	53 to 75
Net Dimensions	Setpoint Range Cooling	°F	64 to 86	64 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86
	IDU Dimensions (W x H x D)	in	32 15/16 x 12 1/8 x 7 7/16	32 15/16 x 12 1/8 x 7 7/16
	ODU Dimensions (W x H x D)	in	28 7/32 x 19 1/2 x 9 1/16	28 7/32 x 19 1/2 x 9 1/16
	IDU Weight (Net / Shipping)	lbs	19.2 / 22	19.2 / 22
	ODU Weight (Net / Shipping)	lbs	55.3 / 60	55.3 / 60
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	459 / 353 / 264 / 148	459 / 353 / 264 / 148
	Airflow Rate Heating (Max / H / M / L)	CFM	459 / 353 / 254 / 198	459 / 353 / 254 / 198
	Dehumidification	pts/hr	2.32	2.75
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R32	R32
	Indoor Cooling (H / M / L / SL)	dB(A)	42 / 36 / 28 / 21	42 / 36 / 28 / 21
Sound Pressure	Indoor Heating (H / M / L)	dB(A)	42 / 36 / 28	42 / 36 / 28
	Outdoor Max (Cool / Heat)	dB(A)	50 / 50	50 / 50
	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Pipe Length (Min / Standard / Max)	ft	9.8 / 24.6 / 49.2	9.8 / 24.6 / 49.2
	Piping Length (no add'l refrigerant)	ft	24.6	24.6
Piping	Max Pipe Elevation	ft	23	23
	Pre Charge	Oz	24.7	24.7
	Additional Refrigerant	oz/ft	0.16	0.16
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8
	ENERGY STAR® / Cold Climate		Yes / Yes	Yes / Yes

## Note:

This data is rated 0 feet above sea level with 24.6 feet of refrigerant line per indoor unit and a 0 foot level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB). Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB). Power input is rated at high speed.

Power wiring to the ODU is field supplied, solid or stranded, and must comply with the applicable local and national codes.

All power wiring/communication cables from outdoor unit to indoor unit are field supplied and are to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded (if shielded, must be grounded to chassis at outdoor unit only) and must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Low Wall Console



LG ThinQ®

KUSXB091A  
KUSXB121A



Specification			9 kBTu/h	12 kBTu/h
			KSUQB091A	KSUQB121A
			Indoor Unit	KNUQB121A
			Outdoor Unit	KUSXB121A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	4,270 ~ 9,000 ~ 9,900	4,500 ~ 10,200 ~ 13,460
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	4,600 ~ 10,100 ~ 14,500	5,970 ~ 13,000 ~ 16,600
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	11,600	12,900
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	10,100	11,400
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	9,200	10,000
	SEER2		20.0	19.70
	EER2		13.2	13.00
	HSPF2		10.6	10.5
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.35 ~ 0.68 ~ 0.88	0.40 ~ 0.78 ~ 1.35
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.42 ~ 0.760 ~ 1.30	0.55 ~ 1.060 ~ 1.64
	MCA / MOCP	A	13.4 / 15	13.4 / 15
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 12
	Rated Amps	A	10.1	10.1
Operation Range	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	27 9/16 x 23 5/8 x 8 9/32	27 9/16 x 23 5/8 x 8 9/32
	ODU Dimensions (W x H x D)	in	30 5/16 x 21 15/32 x 11 11/32	30 5/16 x 21 15/32 x 11 11/32
Weight	IDU Weight (Net / Shipping)	lbs	33.7 / 39.7	33.7 / 39.7
	ODU Weight (Net / Shipping)	lbs	75.0 / 79.4	75.0 / 79.4
Unit Data	Airflow Rate Cooling (Max / H / M / L)	CFM	318 / 300 / 237 / 177	353 / 318 / 244 / 184
	Dehumidification	pts/hr	1.72	2.3
	Compressor Type		Rotary x 1	Rotary x 1
	Refrigerant Type		R32	R32
Sound Pressure	Indoor Cooling (H / M / L / SL)	dB(A)	38 / 32 / 27	39 / 32 / 27
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	49 / 52
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 65.6
	Piping Length (no add'l refrigerant)	ft	24.6	24.6
	Max Pipe Elevation	ft	49.2	49.2
	Pre Charge	Oz	38.8	38.8
	Additional Refrigerant	oz/ft	0.22	0.22
	Drain (OD, ID)	in	1 1/4, 1	1 1/4, 1

**Note:**

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. 3Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# 1-Way Ceiling Cassette



KUSXB091A  
KUSXB121A



KUSXA181A  
KUSXB181A



Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h	18 kBtu/h LGRED <sup>o</sup>
	System		KSUFB091A	KSUFB121A	KSUFB181A	KSUFA181A
	Indoor Unit		KNUFB091A	KNUFB121A	KNUFB181A	KNUFB181A
	Outdoor Unit		KUSXB091A	KUSXB121A	KUSXB181A	KUSXA181A
	Required Panel Model Number		PT-UCA	PT-UCA	PT-UCA	PT-UCA
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,400~9,000~9,900	3,600~12,000~12,400	7,200~18,000~23,000	7,200~18,000 ~23,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	2,800~12,000~15,000	4,400~15,400~16,500	7,000~19,000~24,000	6,500~20,000~24,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	11600	12700	20800	22500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	8800	11000	14600	17000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	7700	9800	13600	16000
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	-	-	-	15000
	SEER2		20.2	21.7	20.5	20
	EER2		12.61	12.20	12.20	12.50
	HSPF2		10.4	10.1	9.5	9.5
	COP at 47 °F		4.00	3.40	3.00	3.00
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.18~0.714~0.83	0.19~0.984~1.10	0.46~1.475~2.50	0.50~1.440~2.80
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.13~0.880~1.35	0.15~1.326~1.62	0.50~1.855~2.40	0.46~1.955~2.60
	MCA / MOCP	A	13.4 / 15	13.4 / 15	16.0 / 25	19.1 / 30
	Power Supply Wiring (ODU)	No. x AWG	3 x 12	3 x 12	3 x 12	3 x 12
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Rated Amps	A	9.0	9.0	11.5	11.5
Operation Range	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64	-13to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8
	ODU Dimensions (W x H x D)	in	30-5/16 x 21-15/32 x 11-11/32	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	Panel Dimensions (W x H x D)	in	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32
Weight	IDU Weight (Net / Shipping)	lbs	30.4 / 37	30.4 / 37	30.4 / 37	30.4 / 37
	ODU Weight (Net / Shipping)	lbs	75 / 79.4	75 / 79.4	136 / 154.3	141.8 / 160.1
	Panel Net / Shipping Weight	lbs	10.8 / 13.9	10.8 / 13.9	10.8 / 13.9	10.8 / 13.9
Unit Data	Airflow Rate (Max / H / M / L)	CFM	353 / 325 / 300 / 289	388 / 353 / 325 / 289	512 / 477 / 406 / 355	512 / 477 / 406 / 355
	Dehumidification	pts/hr	2.4	4.0	4.9	4.9
	Compressor Type		Rotary x 1	Rotary x 1	Twin Rotary x 1	R1 Scroll x 1
	Refrigerant Type		R-32	R-32	R-32	R-32
Sound Pressure	Indoor (Max./H/M/L)	dB(A)	35 / 33 / 31 / 30	38 / 35 / 33 / 30	46 / 44 / 40 / 35	46 / 44 / 40 / 35
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	49 / 52	48 / 52	51 / 52
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	1/2 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 65.6	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	49.2	49.2	98.4	98.4
	Pre Charge	Oz	2.43	2.43	4.19	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR <sup>®</sup> / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent

Due to our commitment to continued innovation, some specifications may be changed without notification.

# 4-Way Ceiling Cassette (2×2)



KUSXB091A  
KUSXB121A



KUSXB181A



Specification			9 kBTU/h	12 kBTU/h	18 kBTU/h
	System		KSUDB091A	KSUDB121A	KSUDB181A
	Indoor Unit		KNUDB091A	KNUDB121A	KNUDB181A
	Outdoor Unit		KUSXB091A	KUSXB121A	KUSXB181A
	Required Panel Model Number		PT-QAGW0	PT-QAGW0	PT-QAGW0
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,400~9,000~9,900	3,600~11,100~12,400	7,200~18,000 ~23,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	2,800~11,000~15,000	4,400~14,000~16,500	7,000~20,000~24,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	11,600	12,700	20,800
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	10,400	10,700	19,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	9,300	9,800	17,600
	SEER2		22.2	21.5	20.5
	EER2		13.9	13	13
Power	HSPF2		10.00	10.1	9.5
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.18 ~0.65~0.83	0.19~0.85~1.10	0.46~1.385~2.50
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.13~0.81~1.35	0.15~1.210 ~1.62	0.50~1.776~2.40
	MCA / MOCP	A	13.4 / 15	13.4 / 15	16.0 / 25
	Power Supply Wiring	No. x AWG	3 x 12	3 x 12	3 x 12
Operation Range	Rated Amps	A	9.65	9.65	13.35
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
	ODU Dimensions (W x H x D)	in	30-5/16 x 21-15/32 x 11-11/32	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13
	Panel Dimensions (W x H x D)		24-13/32 x 1-3/8 x 24-13/32	24-13/32 x 1-3/8 x 24-13/32	24-13/32 x 1-3/8 x 24-13/32
Weight	IDU Weight (Net / Shipping)	lbs	28.4 / 34	28.4 / 34	30.9 / 37
	ODU Weight (Net / Shipping)	lbs	75 / 79.4	75 / 79.4	136 / 154.3
	Panel Net / Shipping Weight		6.3 / 8.6	6.3 / 8.6	6.3 / 8.6
	Airflow Rate Cooling (Max / H / M / L)	CFM	300 / 265 / 230	335 / 283 / 247	459 / 424 / 388
Unit Data	Dehumidification	pts/hr	1.5	2.5	3.1
	Compressor Type		Rotary x 1	Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R32	R32	R32
	Indoor Cooling (H / M / L)	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
Sound Pressure	Indoor Heating (H / M / L)	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	49 / 52	48 / 52
	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	1/4 Flare / 1/4 Flare	1/4 Flare / 3/8 Flare
Piping	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	1/2 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 65.6	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	49.2	49.2	98.4
	Pre-Charge	Oz	38.8	38.8	67
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1

## Note:

This data is rated 0 ft. above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft. level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. 35Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# 4-Way Ceiling Cassette (2x2) with LGRED°



LGRED°

KUSXA181A



Specification			18 kBtu/h
		System	KSUDA181A
		Indoor Unit	KNUDB181A
		Outdoor Unit	KUSXA181A
Capacity	Required Panel Model Number		PT-QAGW0
	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	7,200~18,000~23,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	6,500~20,000~24,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	22,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	20,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	17,900
	Max Heating Capacity at Outside -13 °F (WB)	Btu/h	15,500
	SEER2		20.5
	EER2		13.20
	HSPF2		9.5
Power	COP at 47 °F		3.38
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.50 ~1.364~2.80
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.46~1.734~2.60
	MCA / MOCP	A	191 / 30
	Power Supply Wiring (Outdoor Unit)	No. x AWG	3 x 12
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18
	Rated Amps	A	14
Operation Range	ODU Operation Range Heating	°F WB	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118
	IDU Operation Range Heating	°F WB	59 to 81
	IDU Operation Range Cooling	°F DB	57 to 77
	Setpoint Range Cooling	°F	65 to 86
	Setpoint Range Heating	°F	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	22-7/16 x 10-3/32 x 22-7/16
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13
	Panel Dimensions (W x H x D)	in	24-13/32 x 1-3/8 x 24-13/32
Weight	IDU Weight (Net / Shipping)	lbs	309 / 37
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1
	Panel Net / Shipping Weight	lbs	6.3 / 8.6
Unit Data	Airflow Rate (H / M / L)	CFM	459 / 424 / 388
	Dehumidification	pts/hr	31
	Compressor Type		R1 Scroll x 1
	Refrigerant Type		R-32
Sound Pressure	Indoor (H / M / L)	dB(A)	41 / 39 / 36
	Outdoor (Cool / Heat)	dB(A)	51 / 52
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	1/2 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6
	Max Pipe Elevation	ft	98.4
	Pre Charge	Oz	67
	Additional Refrigerant	oz/ft	0.38
	Drain (OD, ID)	in	1-1/4 / 1
ENERGY STAR / Cold Climate			Yes / Yes

## Note:

This data is rated 0 ft. above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft. level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. 3Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

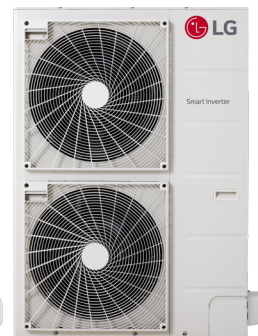
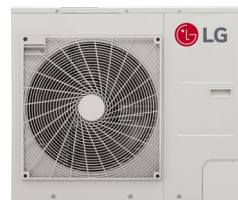


# 4-WAY CASSETTE (3×3)



KUSXB241A  
KUSXB301A

KUSXB361A  
KUSXB421A  
KUSXB481A



Specification			24 kBtu/h	30 kBtu/h	36 kBtu/h	42 kBtu/h	48 kBtu/h
	System		KSSCB241A	KSSCB301A	KSSCB361A	KSSCB421A	KSSCB481A
	Indoor Unit		KNSCB241A	KNSCB301A	KNSCB361A	KNSCB421A	KNSCB481A
	Outdoor Unit		KUSXB241A	KUSXB301A	KUSXB361A	KUSXB421A	KUSXB481A
Capacity	Required Panel Model Number		PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Cooling Capacity (Min~Rated~Max)	Btu/h	9,300~23,000~29,000	12,000~30,000~35,000	14,400~36,000~42,000	16,800~42,000~48,700	19,200~48,000~53,000
	Heating Capacity (Min~Rated~Max)	Btu/h	10,000~27,000~30,000	14,000~33,000~37,000	16,000~40,000~42,200	18,800~48,000~49,800	19,000~51,000~54,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	25,000	33,800	38,000	41,500	41,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	23,000	32,000	35,000	40,000	40,000
	Max Heating Capacity at Outside -4 °F (WB)	Btu/h	21,000	27,000	31,450	35,200	36,960
	SEER2		21.0	21.0	22.0	21.0	21.20
	EER2		13.00	12.10	13.00	13.00	12.10
Power	HSPF2		10.2	10.0	10.3	10.8	10.40
	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min~Rated~Max)	kW	0.59~1.769~3.10	0.80~2.480~3.60	0.72~2.77~3.90	1.16~3.18~5.50	1.15~3.97~5.92
	Heating Power Input (Min~Rated~Max)	kW	0.55~2.20~3.10	0.80~2.545~4.00	0.80~2.75~4.05	1.17~3.35~4.93	1.45~3.77~5.37
	MCA / MOCP	A	16.0 / 25	19.1 / 30	32.0 / 35	32.0 / 40	32.0 / 40
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 10	3 x 10	3 x 10	3 x 10
	Rated Amps	A	11.5	14.0	22.0	22.0	22.0
Operation Range	ODU Operation Range Heating	°F WB	4 to 64	4 to 64	4 to 64	4 to 64	4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77	57 to 77	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81	59 to 81	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	33 1/16 x 8 1/32 x 33 1/16	33 1/16 x 8 1/32 x 33 1/16	33 1/16 x 8 1/32 x 33 1/16	33 1/16 x 11 1/32 x 33 1/16	33 1/16 x 11 1/32 x 33 1/16
	ODU Dimensions (W x H x D)	in	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13	37 13/32 x 54 11/32 x 13	37 13/32 x 54 11/32 x 13
	Panel Dimensions (W x H x D)	in	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8
Weight	IDU Weight (Net / Shipping)	lbs	459 / 56	564 / 70.5	564 / 70.5	602 / 74.3	602 / 74.3
	ODU Weight (Net / Shipping)	lbs	136 / 154.3	141.1 / 159.4	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3
	Panel Net / Shipping Weight	lbs	16 / 21	16 / 21	16 / 21	16 / 21	16 / 21
Unit Data	Airflow Rate Cooling (Max/H/M/L)	CFM	794 / 671 / 600 / 530	840 / 755 / 670	971 / 883 / 794	1,130 / 953 / 812	1,130 / 953 / 812
	Dehumidification	pts/hr	3.8	5.4	7.8	8.4	10.7
	Compressor Type		Twin Rotary x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
	Refrigerant Type		R32	R32	R32	R32	R32
Sound Pressure	Indoor Cooling (H / M / L)	dB(A)	40 / 37 / 35	42 / 41 / 40	44 / 42 / 41	46 / 43 / 41	46 / 43 / 41
	Indoor Heating (H / M / L)	dB(A)	40 / 37 / 35	42 / 41 / 40	44 / 42 / 41	46 / 43 / 41	46 / 43 / 41
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	52 / 54	52 / 54	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Pre Charge	Oz	67	67	106	106	106
	Additional Refrigerant	oz/ft	0.38	0.38	0.43	0.43	0.43
	Drain (OD, ID)	in	1 1/4, 1	1 1/4, 1	1 1/4, 1	1 1/4, 1	1 1/4, 1

## Note:

This data is rated 0 ft. above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft. level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. 35Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

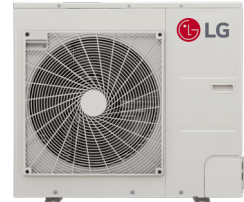
# 4-WAY CASSETTE (3×3) with LGRED°



KUSXA241A

LGRED°

KUSXA301A  
KUSXA361A  
KUSXA421A  
KUSXA481A



Specification			24 kBTu/h	30 kBTu/h	36 kBTu/h	42 kBTu/h	48 kBTu/h
	System		KSSCA241A	KSSCA301A	KSSCA361A	KSSCA421A	KSSCA481A
	Indoor Unit		KNSCB241A	KNSCB301A	KNSCB361A	KNSCB421A	KNSCB481A
	Outdoor Unit		KUSXA241A	KUSXA301A	KUSXA361A	KUSXA421A	KUSXA481A
	Required Panel Model Number		PT-AAGWO	PT-AAGWO	PT-AAGWO	PT-AAGWO	PT-AAGWO
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	9,600 ~ 24,000 ~ 30,000	12,000 ~ 30,000 ~ 36,000	14,400 ~ 36,000 ~ 44,000	16,800 ~ 42,000 ~ 49,000	19,200 ~ 48,000 ~ 55,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	10,000 ~ 27,000 ~ 34,000	14,000 ~ 34,000 ~ 40,000	16,000 ~ 40,000 ~ 46,000	18,000 ~ 48,000 ~ 57,600	19,000 ~ 52,000 ~ 61,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	29,700	36,200	41,700	50,700	54,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	28,000	34,000	36,000	43,500	44,500
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	24,800	30,000	35,500	39,200	41,160
	Max Heating Capacity at Outside -13 °F (WB)	Btu/h	21,600	28,250	30,000	36,100	37,900
	SEER2		22.0	25.0	23.50	21.5	20.8
	EER2		13.00	15.20	13.70	13.50	12.70
	HSPF2		10.5	10.40	10.50	10.8	10.6
	COP at 47 °F		3.66	4.46	4.26	4.36	4.20
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.53 ~ 1.846 ~ 2.90	0.50 ~ 1.97 ~ 3.45	0.72 ~ 2.63 ~ 5.41	0.93 ~ 3.11 ~ 5.50	1.09 ~ 3.78 ~ 5.82
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.50 ~ 2.160 ~ 3.80	0.58 ~ 2.23 ~ 3.96	0.80 ~ 2.75 ~ 4.51	1.17 ~ 3.23 ~ 5.80	1.40 ~ 3.63 ~ 6.20
	MCA / MOCBP	A	191 / 30	320 / 35	320 / 35	320 / 40	320 / 40
	Power / Communication Cable (ODU to IDU)	Na. x AWG	3 x 12	3 x 10	3 x 10	3 x 10	3 x 10
	Rated Amps	A	14	22	22	22	22
Operation Range	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64	-13 to 64	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	59 to 81	59 to 81	59 to 81	59 to 81	59 to 81
	IDU Operation Range Cooling	°F DB	57 to 77	57 to 77	57 to 77	57 to 77	57 to 77
	Setpoint Range Cooling	°F	60 to 86	60 to 86	60 to 86	60 to 86	60 to 86
	Setpoint Range Heating	°F	60 to 86	60 to 86	60 to 86	60 to 86	60 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	33-1/16 x 8-1/32 x 33-1/16	33-1/16 x 11-5/16 x 33-1/16	33-1/16 x 11-5/16 x 33-1/16	33-1/16 x 11-11/32 x 33-1/16	33-1/16 x 11-11/32 x 33-1/16
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	Panel Dimensions (W x H x D)	in	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8	37-3/8 x 1-3/8 x 37-3/8
Weight	IDU Weight (Net / Shipping)	lbs	45.9 / 56	56.4 / 70.5	56.4 / 70.5	60.2 / 74.3	60.2 / 74.3
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1	190.2 / 214.3	190.2 / 214.3	217.6 / 238.1	217.6 / 238.1
	Panel Net / Shipping Weight	lbs	16 / 21	16 / 21	16 / 21	16 / 21	16 / 21
Unit Data	Airflow Rate (Max / H / M / L)	CFM	794 / 671 / 600 / 530	840 / 755 / 670	971 / 883 / 794	1130 / 953 / 812	1130 / 953 / 812
	Dehumidification	pts/hr	4	5.4	7.8	8.36	11.5
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
	Refrigerant Type		R-32	R-32	R-32	R-32	R-32
Sound Pressure	Indoor (H / M / L)	dB(A)	40 / 37 / 35	42 / 41 / 40	44 / 42 / 41	46 / 43 / 41	46 / 43 / 41
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	52 / 54	52 / 54	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164	16.4 / 164	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.9	24.9	24.9	24.9	24.9
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Pre Charge	Oz	67	106	106	120	120
	Additional Refrigerant	oz/ft	0.38	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes

Note:

This data is rated 0 ft. above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft. level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. 35Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

Convertible

# Mid Static Ducted



This unit is convertible using the Vertical Installation Conversion Kit.

KUSXB091A  
KUSXB121A

KUSXB181A  
KUSXB241A



Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h	24 kBtu/h
		System	KSUJB091A	KSUJB121A	KSUJB181A	KSUJB241A
		Indoor Unit	KNUJB091A	KNUJB121A	KNUJB181A	KNUJB241A
		Outdoor Unit	KUSXB091A	KUSXB121A	KUSXB181A	KUSXB241A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	3,600 ~ 9,000 ~ 10,700	4,640 ~ 12,000 ~ 14,000	7,400 ~ 18,000 ~ 22,000	9,300 ~ 23,000 ~ 28,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	5,600 ~ 13,500 ~ 16,000	6,400 ~ 15,000 ~ 17,800	7,000 ~ 20,000 ~ 24,000	10,800 ~ 27,000 ~ 30,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	11,700	13,100	20,800	26,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	10,500	11,000	19,000	24,000
	Max Heating Capacity at 4 °F	Btu/h	9,500	10,000	17,600	21,000
	SEER2		16.4	16.4	17.5	17
	EER2		12.2	12	12.4	11.8
	HSPF2		10.40	10.50	9.2	9.5
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.20 ~ 0.74 ~ 1.13	0.26 ~ 1.00 ~ 1.44	0.5 ~ 1.45 ~ 2.50	0.70 ~ 1.95 ~ 3.10
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.26 ~ 1.030 ~ 1.59	0.37 ~ 1.160 ~ 1.76	0.50 ~ 1.60 ~ 2.40	0.55 ~ 2.14 ~ 3.10
	MCA / MOCP	A	13.4 / 15	13.4 / 15	16.0 / 25	16.0 / 25
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 12	3 x 12	3 x 12
	Rated Amps	A	9	9	11.5	11.5
Operation Range	ODU Operation Range Heating	°F WB	4 to 64	4 to 64	4 to 64	4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	35 7/16 x 9 21/32 x 27 9/16	35 7/16 x 9 21/32 x 27 9/16	35 7/16 x 9 21/32 x 27 9/16	35 7/16 x 9 21/32 x 27 9/16
	ODU Dimensions (W x H x D)	in	30 5/16 x 21 15/32 x 11 11/32	30 5/16 x 21 15/32 x 11 11/32	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	61.7 / 71.7	61.7 / 71.7	61.5 / 71.7	64.2 / 74.3
	ODU Weight (Net / Shipping)	lbs	75.0 / 79.4	75.0 / 79.4	136 / 154.3	136 / 154.3
Unit Data	Airflow Rate (Max / H / M / L)	CFM	353.1 / 317.8 / 282.5	494.4 / 423.8 / 353.1	635.7 / 529.7 / 423.8	706.3 / 547.4 / 459.1
	Dehumidification	pts/hr	0.35	1.27	2.75	4.23
	Compressor Type		Rotary x 1	Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R32	R32	R32	R32
Sound Pressure	Indoor Cooling (H / M / L)	dB(A)	28 / 27 / 26	31 / 29 / 28	36 / 32 / 29	38 / 33 / 30
	Indoor Heating (H / M / L)	dB(A)	28 / 27 / 26	31 / 29 / 28	36 / 32 / 29	38 / 33 / 30
	Outdoor Max (Cool / Heat)	dB(A)	47 / 51	49 / 52	48 / 52	48 / 52
Piping	ODU Liquid Pipe (Connection / Pipe Size)	in	1/4	1/4	3/8	3/8
	ODU Vapor Pipe (Connection / Pipe Size)	in	3/8	3/8	5/8	5/8
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 65.6	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	49.2	49.2	98.4	98.4
	Pre Charge	Oz	38	38	67	67
	Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22
	Drain (OD, ID)	in	1 1/4, 1	1 1/4, 1	1 1/4, 1	1 1/4, 1

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# Mid Static Ducted



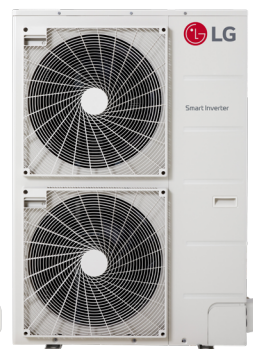
LG ThinQ®



KUSXB301A



KUSXB361A  
KUSXB421A  
KUSXB481A



Specification			30 kBTu/h	36 kBTu/h	42 kBTu/h	48 kBTu/h
	System		KSUJB301A	KSUJB361A	KSSJB421A	KSSJB421A
	Indoor Unit		KNUJB301A	KNUJB361A	KNUJB421A	KNUJB481A
	Outdoor Unit		KUSXB301A	KUSXB361A	KUSXB421A	KUSXB481A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	11,800 ~ 29,000 ~ 34,000	14,400 ~ 36,000 ~ 41,400	16,800 ~ 42,000 ~ 48,700	18,000 ~ 46,500 ~ 53,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	14,000 ~ 34,000 ~ 37,000	16,000 ~ 40,000 ~ 42,200	18,800 ~ 48,000 ~ 49,800	19,000 ~ 52,000 ~ 54,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	32,000	38,000	41,500	41,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	30,400	34,600	39,000	40,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	26,400	31,000	34,900	36,650
	SEER2		18.5	18.5	18.30	17.50
	EER2		11.7	12.1	12.00	11.70
Power	HSPF2		9.4	9.3	9.00	9.10
	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.80 ~ 2.48 ~ 3.80	0.72 ~ 2.98 ~ 4.00	1.26 ~ 3.50 ~ 5.60	1.49 ~ 3.97 ~ 5.90
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.90 ~ 2.85 ~ 4.00	0.77 ~ 3.26 ~ 4.20	1.27 ~ 3.74 ~ 5.05	1.59 ~ 4.12 ~ 5.49
	MCA / MOCP	A	191 / 30	32.0 / 35	32.0 / 40	32.0 / 40
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 10	3 x 10	3 x 10
Operation Range	Rated Amps	A	14.0	22.0	22.0	22.0
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	57 to 77	57 to 77	57 to 77	57 to 77
	IDU Operation Range Cooling	°F DB	59 to 81	59 to 81	59 to 81	59 to 81
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86	61 to 86
Net Dimensions	IDU Dimensions (W x H x D)	in	49 3/6 x 10 5/8 x 27 9/6	49 3/6 x 10 5/8 x 27 9/6	49 3/6 x 10 5/8 x 27 9/6	49 3/6 x 10 5/8 x 27 9/6
	ODU Dimensions (W x H x D)	in	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	85.3 / 98.3	85.3 / 98.3	96.6 / 110.7	96.6 / 110.7
	ODU Weight (Net / Shipping)	lbs	141.1 / 159.4	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3
Unit Data	Airflow Rate (Max / H / M / L)	CFM	989 / 848 / 741	1130 / 989 / 848	1412 / 1200 / 988	1765 / 1589 / 1412
	Dehumidification	pts/hr	5.6	7.17	7.9	8.06
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
	Refrigerant Type		R32	R32	R32	R32
Sound Pressure	Indoor Cooling (H / M / L)	dB(A)	34 / 33 / 32	36 / 34 / 33	39 / 38 / 36	42 / 40 / 39
	Indoor Heating (H / M / L)	dB(A)	34 / 33 / 32	36 / 34 / 33	39 / 38 / 36	42 / 40 / 39
	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	52 / 54	54 / 56	54 / 56
Piping	ODU Liquid Pipe (Connection / Pipe Size)	in	3/8	3/8	3/8	3/8
	ODU Vapor Pipe (Connection / Pipe Size)	in	5/8	5/8	5/8	5/8
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
	Pre-Charge	Oz	67	106	106	106
	Additional Refrigerant	oz/ft	0.38	0.43	0.43	0.43
	Drain (OD, ID)	in	1 1/4, 1	1 1/4, 1	1 1/4, 1	1 1/4, 1

**Note:**

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

Convertible

# Mid Static Ducted with LGRED®

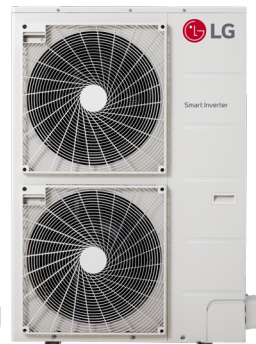
This unit is convertible using the Vertical Installation Conversion Kit.



**LG ThinQ®**  
**LGRED®**

KUSXA181A  
KUSXA241A

KUSXA301A



Specification			18 kBtu/h	24 kBtu/h	30 kBtu/h
Capacity	System		KSUJA181A	KSUJA241A	KSUJA301A
	Indoor Unit		KUSXA181A	KUSXA241A	KUSXA301A
	Outdoor Unit		KNUJB181A	KNUJB241A	KNUJB301A
	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	7,200 ~ 18,000 ~ 22,000	9,200 ~ 23,000 ~ 29,500	12,000 ~ 30,000 ~ 36,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	6,800 ~ 20,000 ~ 24,000	8,000 ~ 27,000 ~ 33,000	14,000 ~ 34,000 ~ 40,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	22,200	29,700	36,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	20,000	28,000	34,000
	Max Heating Capacity at Outside -4 °F (WB)	Btu/h	17,500	24,800	29,500
	Max Heating Capacity at Outside -13 °F (WB)	Btu/h	15,200	21,600	28,250
Power	SEER2		17.50	17.00	18.80
	EER2		12.40	11.80	13.50
	HSPF2		9.2	9.5	9.50
	COP at 47°F		3.70	3.60	3.76
	Power Supply (To Outdoor Unit)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.50 ~ 1.45 ~ 2.80	0.55 ~ 1.95 ~ 3.00	0.56 ~ 2.22 ~ 3.50
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.50 ~ 1.58 ~ 2.54	0.60 ~ 2.20 ~ 3.30	0.64 ~ 2.65 ~ 4.08
	MCA / MOCP	A	191 / 30	191 / 30	320 / 35
	Power Supply Wiring / Power Wiring Communication Wiring	No. x AWG	3 x 12 / 3 x 14 / 2 x 18	3 x 12 / 3 x 14 / 2 x 18	3 x 12 / 3 x 14 / 2 x 18
Operation Range	Rated Amps	A	14.0	14.0	22.0
	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	59 to 81	59 to 81	59 to 81
	IDU Operation Range Cooling	°F DB	57 to 77	57 to 77	57 to 77
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86
	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86
	Net Dimensions (W x H x D)	in	35-7/16 x 9-21/32 x 27-9/16	35-7/16 x 9-21/32 x 27-9/16	49-7/32 x 10-5/8 x 27-9/16
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	61.5 / 71.7	64.2 / 74.3	85.3 / 98.3
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1	141.8 / 160.1	190.2 / 214.3
	Vertical Installation Kit (Net / Shipping)	lbs	- / 5.95	- / 5.95	-
Unit Data	Airflow Rate (Max / H / M / L)	CFM	635.7 / 529.7 / 423.8	706.3 / 547.4 / 459.1	989 / 848 / 741
	Dehumidification	pts/hr	2.75	4.23	5.6
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Indoor (H / M / L)	dB(A)	36 / 32 / 29	38 / 33 / 30	34 / 33 / 32
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52	52 / 54
Piping	ODU Liquid Pipe (Connection / Pipe Size)	in	3/8	3/8	3/8
	ODU Vapor Pipe (Connection / Pipe Size)	in	5/8	5/8	5/8
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	38.8	38.8	106
	Additional Refrigerant	oz/ft	0.38	0.38	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR / Cold Climate			Yes / No	Yes / No	Yes / No

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Mid Static Ducted with LGRED<sup>®</sup>



**LG ThinQ<sup>®</sup>**  
**LGRED<sup>®</sup>**

**KUSXA361A**  
**KUSXA421A**  
**KUSXA481A**



Specification			36 kBtu/h	42 kBtu/h	48 kBtu/h
	System	System	KSUJA361A	KSSJA421A	KSSJA481A
		Indoor Unit	KUSXA361A	KUSXA421A	KUSXA481A
		Outdoor Unit	KNUJB361A	KNSJB421A	KNSJB481A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	14,400 ~ 36,000 ~ 44,000	16,800 ~ 42,000 ~ 50,000	18,400 ~ 48,000 ~ 55,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	16,000 ~ 40,000 ~ 46,000	18,000 ~ 48,000 ~ 57,000	19,000 ~ 52,000 ~ 60,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	41,700	50,700	52,800
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	36,000	42,500	44,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	35,500	38,500	40,430
	Max Heating Capacity at Outdoor -13 °F (WB)		30,000	35,900	37,700
	SEER2		19.00	18.80	17.60
	EER2		12.30	12.60	12.00
	HSPF2		9.50	9.40	9.30
Power	COP at 47°F		3.60	3.48	3.46
	Power Supply (To Outdoor Unit)	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input (Min ~ Rated ~ Max)	kW	0.70 ~ 2.93 ~ 5.50	1.19 ~ 3.33 ~ 5.30	1.40 ~ 4.00 ~ 5.75
	Heating Power Input (Min ~ Rated ~ Max)	kW	0.84 ~ 3.26 ~ 4.70	1.34 ~ 4.04 ~ 5.92	1.40 ~ 4.40 ~ 6.19
	MCA / MOCP	A	32.0 / 35	32.0 / 40	32.0 / 40
	Power Supply Wiring / Power Wiring Communication Wiring	No. x AWG	3 x 12 / 3 x 14 / 2 x 18	3 x 12 / 3 x 14 / 2 x 18	3 x 12 / 3 x 14 / 2 x 18
Operation Range	Rated Amps	A	22.0	22.0	22.0
	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
	IDU Operation Range Heating	°F WB	59 to 81	59 to 81	59 to 81
	IDU Operation Range Cooling	°F DB	57 to 77	57 to 77	57 to 77
	Setpoint Range Cooling	°F	65 to 86	65 to 86	65 to 86
Net Dimensions	Setpoint Range Heating	°F	61 to 86	61 to 86	61 to 86
	IDU Dimensions (W x H x D)	in	49-7/32 x 10-5/8 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16
Weight	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	IDU Weight (Net / Shipping)	lbs	85.3 / 98.3	96.6 / 110.7	96.6 / 110.7
Unit Data	ODU Weight (Net / Shipping)	lbs	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3
	Airflow Rate (Max / H / M / L)	CFM	1130 / 989 / 848	1412 / 1200 / 988	1765 / 1589 / 1412
	Dehumidification	pts/hr	6.9	7.9	8.64
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Sound Pressure	Refrigerant Type		R-32	R-32	R-32
	Indoor (H / M / L)	dB(A)	36 / 34 / 33	39 / 38 / 36	42 / 40 / 39
Piping	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	54 / 56	54 / 56
	ODU Liquid Pipe (Connection / Pipe Size)	in	3/8	3/8	3/8
	ODU Vapor Pipe (Connection / Pipe Size)	in	5/8	5/8	5/8
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre-Charge	Oz	106	120	120
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
ENERGY STAR / Cold Climate			Yes / No	Yes / No	Yes / No

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# A-Coil



KUSXB181A  
KUSXB241A



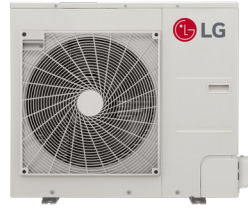
Specification			18 kBtu/h	18 kBtu/h	24kBtu/h
		System	KSSMB18AA	KSSMB18BA	KSSMB24BA
		Indoor Unit	LKMMA18A1	LKMMA18B1	LKMMA24B1
		Outdoor Unit	KUSXB181A	KUSXB181A	KUSXB241A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	6,800~17,000~19,000	7,200~18,000~20,000	8,900~21,600~24,000
	Heating Capacity (Min~Rated~Max)	Btu/h	7,000~20,000~21,000	7,000~20,000~21,000	11,000~24,000~25,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	17,600	17,600	22,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	16,000	16,000	20,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	14,900	14,900	17,600
	SEER2		15	15.2	15.2
	EER2		11.50	11.70	11.70
	HSPF2		8.1	8.1	8.5
Power	COP at 47°F		3.20	3.20	3.14
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.52~1.478~1.70	0.57~1.54~1.85	0.70~1.85~2.23
	Heating Power Input (Min~Rated~Max)	kW	0.55~1.83~2.01	0.53~1.83~2.01	0.74~2.24~2.46
	MCA / MOCP	A	16.0 / 25	16.0 / 25	16.0 / 25
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 12	3 x 12
Operation Range	Rated Amps	A	1.6	1.6	1.6
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64
Net Dimensions	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
	IDU Dimensions (W x H x D)	in	14-1/2 x 24 x 21	17-1/2 x 24 x 21	17-1/2 x 24 x 21
Weight	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	IDU Weight (Net / Shipping)	lbs	44 / 49	46 / 52	46 / 52
Unit Data	ODU Weight (Net / Shipping)	lbs	136 / 154.3	136 / 154.3	136 / 154.3
	Airflow Rate (Max / H / M / L)	CFM	450 ~ 600	450 ~ 600	600 ~ 800
	Dehumidification	pts/hr	2.75	2.75	4.23
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Sound Pressure	Refrigerant Type		R-32	R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	48 / 52	48 / 52
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	4.2	4.2	4.2
	Additional Refrigerant	oz/ft	0.38	0.38	0.38
ENERGY STAR® / Cold Climate			No / No	Yes / Yes	Yes / Yes

Note:  
This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.  
Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).  
Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).  
Power input is rated at high speed.  
All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.  
Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.  
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.  
Adapters for piping connections are shipped with the outdoor unit.  
Piping lengths are equivalent.  
Due to our commitment to continued innovation, some specifications may be changed without notification.

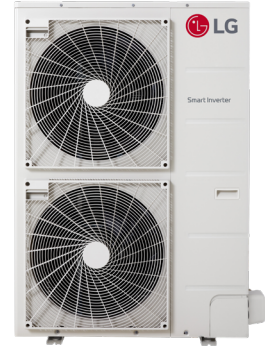
# A-Coil



KUSXB301A



KUSXB361A



Specification			30 kBtu/h	36 kBtu/h	36 kBtu/h
		System	KSSMB30BA	KSSMB36BA	KSSMB36CA
		Indoor Unit	LKMMMA30B1	LKMMMA36B1	LKMMMA36C1
		Outdoor Unit	KUSXB301A	KUSXB361A	KUSXB361A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	9900~27,600~30,000	13,100~34,400~36,000	13,100~34,400~37,000
	Heating Capacity (Min~Rated~Max)	Btu/h	12,900~30,000~31,000	15,200~37,000~38,000	15,200~37,000~38,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	26,400	35,500	35,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	24,000	24,000	32,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	21,800	29,100	29,100
	SEER2		15.0	15.2	15.5
	EER2		10.0	11.7	11.7
	HSPF2		8.3	8.4	8.5
Power	COP at 47°F		3.10	3.30	3.30
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.97~2.76~3.31	1.03~2.94~3.27	1.03~2.94~3.47
	Heating Power Input (Min~Rated~Max)	kW	0.94~2.84~3.07	0.92~3.29~3.55	1.12~3.29~3.55
	MCA / MOCP	A	191 / 30	32 / 35	32 / 35
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 10	3 x 10	3 x 10
Operation Range	Rated Amps	A	1.6	1.6 x 2	1.6 x 2
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	17-1/2 x 26 x 21	17-1/2 x 26 x 21	21 x 26 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13.0	37-13/32 x 54-11/32 x 13.0
Weight	IDU Weight (Net / Shipping)	lbs	54 / 60	54 / 60	55 / 62
	ODU Weight (Net / Shipping)	lbs	1411 / 1594	190.2 / 214.3	190.2 / 214.3
Unit Data	Airflow Rate (Max / H / M / L)	CFM	750 ~ 1,000	840 ~ 1,200	840 ~ 1,200
	Dehumidification	pts/hr	5.6	717	717
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	52 / 54	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	4.2	6.63 + 0.88	6.63 + 0.88
	Additional Refrigerant	oz/ft	0.38	0.43	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			No / No	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# A-Coil



KUSXB421A  
KUSXB481A



Specification			42 kBtu/h	48 kBtu/h	48 kBtu/h
		System	KSSMB42CA	KSSMB48CA	KSSMB48DA
		Indoor Unit	LKMMMA42C1	LKMMMA48C1	LKMMMA48D1
		Outdoor Unit	KUSXB421A	KUSXB481A	KUSXB481A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	16,000~41,000~44,000	18,200~45,500~48,000	18,200~45,500~49,000
	Heating Capacity (Min~Rated~Max)	Btu/h	18,100~43,000~45,000	18,100~43,000~45,000	20,200~48,000~49,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	39,200	41,000	41,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	36,000	38,000	38,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	32,000	33,800	32,700
	SEER2		15.2	15.2	15.5
	EER2		11.70	10.50	11.00
	HSPF2		8.5	8.3	8.5
Power	COP at 47°F		3.32	3.4	3.4
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	1.23~3.51~3.89	1.56~4.34~4.72	1.45~4.14~4.67
	Heating Power Input (Min~Rated~Max)	kW	1.29~3.80~4.10	1.45~4.14~4.47	1.45~4.14~4.47
	MCA / MOCP	A	32 / 40	32 / 40	32 / 40
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 10	3 x 10	3 x 10
Operation Range	Rated Amps	A	1.6 x 2	1.6 x 2	1.6 x 2
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	21 x 30 x 21	21 x 30 x 21	24-1/2 x 34 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	63 / 70	63 / 70	73 / 82
	ODU Weight (Net / Shipping)	lbs	190.2 / 214.3	190.2 / 214.4	190.2 / 214.5
Unit Data	Airflow Rate (Max / H / M / L)	CFM	1,050 ~ 1,400	1,200 ~ 1,600	1,200 ~ 1,600
	Dehumidification	pts/hr	79	8.06	8.06
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	52 / 54	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	6.63 + 0.88	6.63 + 0.88	6.63 + 0.88
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
ENERGY STAR® / Cold Climate	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
			Yes / Yes	No / Yes	Yes / Yes

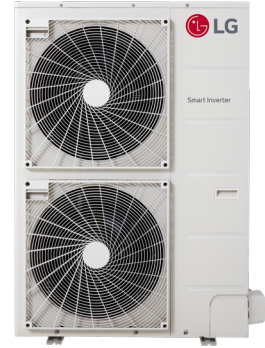
Note:  
This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.  
Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).  
Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).  
Power input is rated at high speed.  
All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.  
Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.  
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.  
Adapters for piping connections are shipped with the outdoor unit.  
Piping lengths are equivalent.  
Due to our commitment to continued innovation, some specifications may be changed without notification.



# A-Coil



## KUSXB601A



Specification			48 kBtu/h	60 kBtu/h	60 kBtu/h
		System	KSSMB49CA	KSSMB60CA	KSSMB60DA
		Indoor Unit	LKMMMA48C1	LKMMMA60C1	LKMMMA60D1
		Outdoor Unit	KUSXB601A	KUSXB601A	KUSXB601A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	18,200~45,500~48,000	20,000~52,500~55,000	20,000~52,500~56,000
	Heating Capacity (Min~Rated~Max)	Btu/h	18,000~50,000~52,000	21,800~56,000~57,000	21,800~56,000~57,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	44,300	47,500	47,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	41,000	44,000	44,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	36,500	37,400	37,400
	SEER2		15.9	15.2	15.5
	EER2		11.70	10.50	10.70
	HSPF2		8.9	8.5	9
Power	COP at 47°F		3.48	3.3	3.3
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	1.40~3.89~4.23	1.75~5.00~5.44	1.72~4.91~5.34
	Heating Power Input (Min~Rated~Max)	kW	1.47~4.21~4.55	1.74~4.97~5.37	1.74~4.97~5.37
	MCA / MOCP	A	32 / 40	32 / 40	32 / 40
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 10	3 x 10	3 x 10
Operation Range	Rated Amps	A	1.6 x 2	1.6 x 2	1.6 x 2
	ODU Operation Range Heating	°F WB	-4 to 64	-4 to 64	-4 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	21 x 30 x 21	21 x 30 x 21	24-1/2 x 34 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	63 / 70	63 / 70	73 / 82
	ODU Weight (Net / Shipping)	lbs	213.4 / 232.4	213.4 / 232.4	213.4 / 232.4
Unit Data	Airflow Rate (Max / H / M / L)	CFM	1,200 ~ 1,600	1,300 ~ 1,740	1,300 ~ 1,740
	Dehumidification	pts/hr	8.06	8.8	8.8
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	54 / 56	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	3/4 Flare	3/4 Flare	3/4 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	750 + 0.88	750 + 0.88	750 + 0.88
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	No / Yes	No / Yes

### Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# A-Coil with LGRED°



**LG ThinQ®**  
**LGRED°**

**KUSXA181A**



Specification			18 kBtu/h	18 kBtu/h
		System	KSSMA18AA	KSSMA18BA
		Indoor Unit	LKMMA18A1	LKMMA18B1
		Outdoor Unit	KUSXA181A	KUSXA181A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	6,800~17,000~19,000	7,200~18,000~20,000
	Heating Capacity (Min~Rated~Max)	Btu/h	7,000~20,000~22,000	7,000~20,000~22,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	19,800	19,800
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	18,000	18,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	16,000	16,000
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	14,000	14,000
	SEER2		15.2	15.2
	EER2		11.50	11.50
	HSPF2		8.1	8.1
Power	COP at 47°F		3.26	3.26
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.52~1.48~1.70	0.58~1.57~1.88
	Heating Power Input (Min~Rated~Max)	kW	0.54~1.80~2.07	0.52~1.80~2.07
	MCA / MOCP	A	19.1 / 30	19.1 / 30
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 12
Operation Range	Rated Amps	A	1.6	1.6
	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	14-1/2 x 24 x 21	17-1/2 x 24 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	44 / 49	46 / 52
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1	141.8 / 160.1
Unit Data	Airflow Rate (Max / H / M / L)	CFM	450 ~ 600	450 ~ 600
	Dehumidification	pts/hr	2.75	2.75
	Compressor Type		R1 Scroll	R1 Scroll
Sound Pressure	Refrigerant Type		R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4
	Pre Charge	Oz	4.2	4.2
	Additional Refrigerant	oz/ft	0.38	0.38
ENERGY STAR® / Cold Climate	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1
			Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB). Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# A-Coil with LGRED°



**LG ThinQ®**  
**LGRED°**

**KUSXA241A**



Specification			24kBtu/h	24 kBtu/h
		System	KSSMA24BA	KSSMA25BA
		Indoor Unit	LKMMMA24B1	LKMMMA24B1
		Outdoor Unit	KUSXA241A	KUSXA301A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	8,900~21,600~24,000	9,000~23,000~24,000
	Heating Capacity (Min~Rated~Max)	Btu/h	11,000~24,000~26,000	11,000~26,000~28,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	24,200	25,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	22,000	24,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	19,000	20,200
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	16,500	18,000
	SEER2		15.0	15.5
	EER2		11.00	11.70
	HSPF2		8.6	8.8
Power	COP at 47°F		3.2	3.46
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.75~196~2.38	0.75~197~2.38
	Heating Power Input (Min~Rated~Max)	kW	0.77~2.20~2.53	0.79~2.20~2.53
	MCA / MOCP	A	191 / 30	32 / 35
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 12	3 x 10
Operation Range	Rated Amps	A	1.6	1.6 x 2
	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	17-1/2 x 24 x 21	17-1/2 x 24 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	46 / 52	46 / 52
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1	190.2 / 214.3
Unit Data	Airflow Rate (Max / H / M / L)	CFM	600 ~ 800	675 ~ 900
	Dehumidification	pts/hr	4.23	4.23
	Compressor Type		R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4
	Pre Charge	Oz	4.2	6.3 + 0.88
	Additional Refrigerant	oz/ft	0.38	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			No / No	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# A-Coil with LGRED®



**LG ThinQ®**  
**LGRED®**

**KUSXA301A**  
**KUSXA361A**



Specification			30 kBTu/h	36 kBTu/h	36 kBTu/h
	System	System	KSSMA30BA	KSSMA36BA	KSSMA36CA
		Indoor Unit	LKMMMA30B1	LKMMMA36B1	LKMMMA36C1
		Outdoor Unit	KUSXA301A	KUSXA361A	KUSXA361A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	11,100~30,000~31,000	13,000~34,400~36,000	13,000~34,400~37,000
	Heating Capacity (Min~Rated~Max)	Btu/h	13,000~32,000~35,000	15,000~37,000~38,000	15,000~37,000~38,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	33,700	37,000	37,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	30,600	33,000	33,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	27,000	30,000	31,000
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	23,000	26,000	27,000
	SEER2		15.7	15.5	16
	EER2		11.80	11.70	11.70
	HSPF2		8.8	8.9	8.9
Power	COP at 47°F		3.2	3.38	3.38
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.89~2.54~3.05	1.03~2.94~3.27	1.03~2.94~3.47
	Heating Power Input (Min~Rated~Max)	kW	0.97~2.93~3.34	1.06~3.21~3.63	1.09~3.21~3.63
	MCA / MOCP	A	32 / 35	32 / 35	32 / 35
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 10	3 x 10	3 x 10
	Rated Amps	A	1.6 x 2	1.6 x 2	1.6 x 2
Operation Range	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	17-1/2 x 26 x 21	17-1/2 x 26 x 21	21 x 26 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	54 / 60	54 / 60	55 / 62
	ODU Weight (Net / Shipping)	lbs	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3
Unit Data	Airflow Rate (Max / H / M / L)	CFM	750 ~ 1,000	840 ~ 1,200	840 ~ 1,200
	Dehumidification	pts/hr	5.6	7.17	7.17
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	52 / 54	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	6.3 + 0.88	6.3 + 0.88	6.3 + 0.88
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

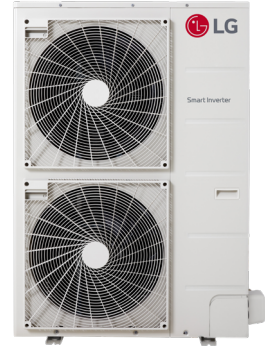
Due to our commitment to continued innovation, some specifications may be changed without notification.

# A-Coil with LGRED°



**LG ThinQ®**  
**LGRED°**

**KUSXA421A**  
**KUSXA481A**  
**KUSXA481A**



Specification			42 kBtu/h	48 kBtu/h	48 kBtu/h
		System	KSSMA42CA	KSSMA48CA	KSSMA48DA
		Indoor Unit	LKMMMA42C1	LKMMMA48C1	LKMMMA48D1
		Outdoor Unit	KUSXA422A	KUSXA482A	KUSXA482A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	16,000~41,000~44,000	18,000~45,500~48,000	18,000~45,500~49,000
	Heating Capacity (Min~Rated~Max)	Btu/h	18,000~45,000~47,000	18,000~50,000~52,000	20,000~50,000~52,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	43,000	45,000	46,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	41,000	43,000	43,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	37,800	39,000	40,000
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	33,000	34,000	35,000
	SEER2		16	15.9	16.1
	EER2		11.90	11.70	11.70
Power	HSPF2		8.9	8.9	9.1
	COP at 47°F		3.46	3.48	3.48
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	1.21~3.45~3.82	1.40~3.89~4.23	1.36~3.89~4.39
	Heating Power Input (Min~Rated~Max)	kW	1.30~3.81~4.31	1.35~4.21~4.76	1.47~4.21~4.76
	MCA / MOCP	A	32 / 40	32 / 40	32 / 40
	Power / Communication Cable (ODU to IDU)	No. x AWG	3 x 10	3 x 10	3 x 10
	Rated Amps	A	1.6 x 2	1.6 x 2	1.6 x 2
Operation Range	ODU Operation Range Heating	°F WB	-13 to 64	-13 to 64	-13 to 64
	ODU Operation Range Cooling	°F DB	5 to 118	5 to 118	5 to 118
Net Dimensions	IDU Dimensions (W x H x D)	in	21 x 30 x 21	21 x 30 x 21	24-1/2 x 34 x 21
	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	63 / 70	63 / 70	73 / 82
	ODU Weight (Net / Shipping)	lbs	213.4 / 232.4	213.4 / 232.4	213.4 / 232.4
Unit Data	Airflow Rate (Max / H / M / L)	CFM	1,050 ~ 1,400	1,200 ~ 1,600	1,200 ~ 1,600
	Dehumidification	pts/hr	7.9	8.06	8.06
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R-32	R-32	R-32
Sound Pres-sure	Outdoor Max (Cool / Heat)	dB(A)	54 / 56	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Braze	3/4 Braze	3/4 Braze
	Outdoor Unit Piping Liquid (O.D.)	in	3/8 Flare	3/8 Flare	3/8 Flare
	Outdoor Unit Piping Vapor (O.D.)	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	750 + 0.88	750 + 0.88	750 + 0.88
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor component and a 0 ft level difference outdoor and indoor component.

Cooling capacity rating obtained with air entering the indoor component at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor component at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All wiring must comply with applicable local and national codes. a. All power supply wiring to the outdoor unit is field supplied, solid or stranded. b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer. c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18. d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745. 4Adapters for piping connections are shipped with the outdoor unit.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Adapters for piping connections are shipped with the outdoor unit.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi-Position Air Handling Unit



KUSXB181A  
KUSXB241A  
KUSXB301A

KUSXB121A



Specification			12 kBtu/h	18 kBtu/h	24 kBtu/h	30 kBtu/h
	System		KSSLB121A	KSSLB181A	KSSLB241A	KSSLB301A
	Indoor Unit		KNSLB121A	KNSLB181A	KNSLB241A	KNSLB301A
	Outdoor Unit		KUSXB121A	KUSXB181A	KUSXB241A	KUSXB301A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	4,200~12,000~15,000	7,200~18,000~24,000	9,600~23,200~30,000	12,000~27,000~32,500
	Heating Capacity (Min~Rated~Max)	Btu/h	6,000~15,000~18,000	8,000~20,000~24,000	10,800~27,000~30,000	13,600~34,000~36,600
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	13,100	23,000	25,000	31,500
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	10,500	22,000	22,000	30,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	10,000	20,000	21,000	26,000
	SEER2		16.20	17.50	17.50	17.00
	EER2		12.20	13.50	12.00	11.70
	HSPF2		9.50	10.00	9.70	9.60
Power	COP at 47°F		3.82	3.86	3.60	3.70
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.45~0.99~1.50	0.45~1.33~3.25	0.58~1.93~3.26	0.72~2.31~2.58
	Heating Power Input (Min~Rated~Max)	kW	0.40~1.15~1.93	0.50~1.52~2.37	0.65~2.20~3.11	0.80~2.69~3.50
	MCA / MOP (ODU)	A	13.4 / 30	16.0 / 30	16.0 / 30	19.1 / 35
	Power Supply Wiring (ODU)	No. x AWG	3 x 12	3 x 12	3 x 12	3 x 10
	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Rated Amps	A	2.8	2.8	2.8	3.4
Operation Range	ODU Operation Range Cooling	°F WB	5 to 118	5 to 118	5 to 118	5 to 118
	ODU Operation Range Heating	°F DB	-4 to 64	-4 to 64	-4 to 64	-4 to 64
Net Dimensions	IDU Dimensions (W x H x D)	in	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	21 x 55-3/16 x 21-3/8
	ODU Dimensions (W x H x D)	in	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	116 / 129	116 / 129	116 / 129	139 / 154
	ODU Weight (Net / Shipping)	lbs	75.0 / 79.4	136 / 154.3	136 / 154.3	141.1 / 159.4
Unit Data	Airflow Rate Cooling (H / M / L)	CFM	500 / 460 / 420	600 / 510 / 440	800 / 700 / 580	875 / 750 / 630
	Airflow Rate Heating (H / M / L)	CFM	500 / 460 / 420	600 / 510 / 440	800 / 700 / 580	875 / 750 / 630
	Dehumidification	pts/hr	1.27	2.75	4.23	5.6
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	R1 Scroll x 1
Sound Pressure	Refrigerant Type		R-32	R-32	R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	49 / 52	48 / 52	48 / 52	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 164	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	49.2	98.4	98.4	98.4
	Pre Charge	Oz	38.8	67	67	67
	Additional Refrigerant	oz/ft	0.22	0.38	0.38	0.38
	Condensation Line (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

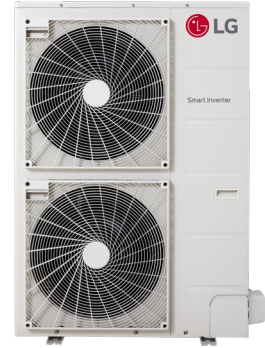
Due to our commitment to continued innovation, some specifications may be changed without notification.



# Multi-Position Air Handling Unit



KUSXB361A  
KUSXB421A  
KUSXB481A  
KUSXB601A



Specification			36 kBtu/h	42 kBtu/h	48 kBtu/h	60 kBtu/h
	System		KSSLB361A	KSSLB421A	KSSLB481A	KSSLB601A
	Indoor Unit		KNSLB361A	KNSLB421A	KNSLB481A	KNSLB601A
	Outdoor Unit		KUSXB361A	KUSXB421A	KUSXA481A	KUSXB601A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	14,400~33,000~39,000	17,000~42,000~48,000	18,000~45,500~53,000	20,500~52,500~60,500
	Heating Capacity (Min~Rated~Max)	Btu/h	16,000~40,000~43,000	18,000~46,000~51,800	19,000~50,000~54,000	21,500~56,500~61,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	37,000	42,000	43,000	53,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	33,000	38,500	38,500	45,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	27,000	34,000	36,000	41,000
	SEER2		17.50	18.00	18.00	17.50
	EER2		11.80	11.70	11.70	12.00
	HSPF2		9.50	9.50	9.40	9.40
Power	COP at 47°F		3.55	3.66	3.66	3.78
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	1.00~2.80~3.60	1.35~3.59~5.30	1.40~3.89~6.0	1.60 ~ 4.38 ~ 6.85
	Heating Power Input (Min~Rated~Max)	kW	1.02~3.30~4.48	1.45~4.01~5.17	1.50~4.00~5.39	1.84 ~ 4.38 ~ 6.62
	MCA / MOP (ODU)	A	32.0 / 35	32.0 / 40	32.0 / 40	32.0 / 40
	Power Supply Wiring (ODU)	No. x AWG	3 x 10	3 x 10	3 x 10	3 x 10
	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Rated Amps	A	3.4	3.4	3.4	6.3
Operation Range	ODU Operation Range Cooling	°F WB	5 to 118	5 to 118	5 to 118	5 to 118
	ODU Operation Range Heating	°F DB	-4 to 64	-4 to 64	-4 to 64	-4 to 64
Net Dimensions	IDU Dimensions (W x H x D)	in	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3	21 x 55-3/16 x 21-3	25 x 55-3/16 x 21-3/8
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net / Shipping)	lbs	139 / 154	146 / 160	146 / 160	153 / 169
	ODU Weight (Net / Shipping)	lbs	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3	190.2 / 214.3
Unit Data	Airflow Rate Cooling (H / M / L)	CFM	1,050 / 980 / 900	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070	1,750 / 1,575 / 1,400
	Airflow Rate Heating (H / M / L)	CFM	1,050 / 980 / 900	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070	1,750 / 1,575 / 1,400
	Dehumidification	pts/hr	717	79	8.06	910
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Sound Pressure	Refrigerant Type		R-32	R-32	R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	54 / 56	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	3/4 Flare / 3/4 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
	Pre Charge	Oz	106	106	106	120
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43
	Condensation Line (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

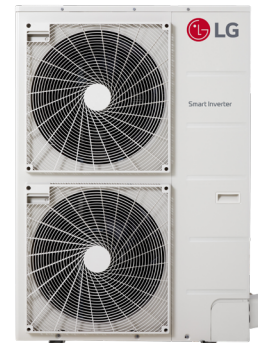
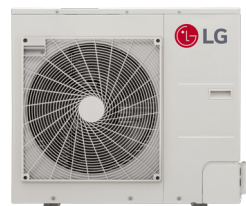
# Multi-Position Air Handling Unit with LGRED®



**LG ThinQ®**  
**LGRED®**  
R32

**KUSXA301A**

**KUSXA121A**  
**KUSXA181A**  
**KUSXA241A**



Specification			12 kBtu/h	18 kBtu/h	24 kBtu/h	30 kBtu/h
	System		KSSLA121A	KSSLA181A	KSSLA241A	KSSLA301A
	Indoor Unit		KNSLB121A	KNSLA181A	KNSLA241A	KNSLA301A
	Outdoor Unit		KUSXA121A	KUSXA181A	KUSXA241A	KUSXA301A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	5,000~12,500~17,500	7,200~18,000~24,800	9,600~24,000~30,000	12,000~30,000~36,000
	Heating Capacity (Min~Rated~Max)	Btu/h	6,000~15,000~19,500	8,000~20,000~27,000	10,800~27,000~36,000	13,600~34,000~40,800
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	16,300	26,000	28,000	36,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	15,000	25,000	25,000	33,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	13,000	21,000	22,000	29,500
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	11,000	17,000	19,000	26,000
	SEER2		17.00	17.50	17.50	18.20
	EER2		13.30	13.50	12.50	13.50
Power	HSPF2		9.80	10.00	10.00	9.80
	COP at 47°F		3.96	3.81	3.79	4.01
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.31~0.94~1.95	0.45~1.33~2.76	0.55~1.92~3.00	0.71~2.22~4.18
	Heating Power Input (Min~Rated~Max)	kW	0.36~1.11~2.38	0.50~1.54~3.30	0.65~2.08~4.40	0.78~2.49~3.90
	MCA / MOP (ODU)	A	191 / 30	191 / 30	191 / 30	320 / 35
	Power Supply Wiring (ODU)	No. x AWG	3 x 12	3 x 12	3 x 12	3 x 10
Operation Range	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Rated Amps	A	2.8	2.8	2.8	3.4
Net Dimensions	ODU Operation Range Cooling	°F WB	5 to 118	5 to 118	5 to 118	5 to 118
	ODU Operation Range Heating	°F DB	-13 to 64	-13 to 64	-13 to 64	-13 to 64
Weight	IDU Dimensions (W x H x D)	in	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	21 x 55-3/16 x 21-3/8
	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13
Unit Data	IDU Weight (Net / Shipping)	lbs	116 / 129	122 / 134	122 / 134	146 / 160
	ODU Weight (Net / Shipping)	lbs	141.8 / 160.1	141.8 / 160.1	141.8 / 160.1	190.2 / 214.3
Sound Pressure	Airflow Rate Cooling (H / M / L)	CFM	500 / 460 / 420	600 / 510 / 440	800 / 700 / 580	875 / 750 / 630
	Airflow Rate Heating (H / M / L)	CFM	500 / 460 / 420	600 / 510 / 440	800 / 700 / 580	875 / 750 / 630
	Dehumidification	pts/hr	1.83	2.75	4.23	5.6
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Piping	Refrigerant Type		R-32	R-32	R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52	51 / 52	52 / 54
Piping	Liquid Pipe (Connection / Pipe Size)	in	1/4 Flare / 1/4 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164	16.4 / 164	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
	Pre Charge	Oz	67	67	67	67
	Additional Refrigerant	oz/ft	0.38	0.38	0.38	0.38
Condensation Line (OD, ID)			in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

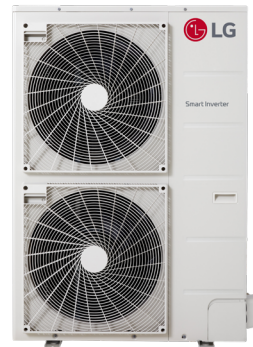
Piping lengths are equivalent.

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# Multi-Position Air Handling Unit with LGRED°



KUSXA361A  
KUSXA422A  
KUSXA482A



Specification			36 kBTu/h	42 kBTu/h	48 kBTu/h
		System	KSSLA361A	KSSLA421A	KSSLA481A
		Indoor Unit	KNSLA361A	KNSLB421A	KNSLB481A
		Outdoor Unit	KUSXA361A	KUSXA422A	KUSXA482A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	14,000~33,000~44,000	16,800~42,000~50,000	18,400~46,000~55,000
	Heating Capacity (Min~Rated~Max)	Btu/h	16,000~40,000~43,000	18,000~46,000~60,000	19,000~50,000~63,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	39,000	52,000	54,000
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	33,000	46,000	46,000
	Max Heating Capacity at Outdoor -4 °F (WB)	Btu/h	31,000	40,000	41,000
	Max Heating Capacity at Outdoor -13 °F (WB)	Btu/h	29,000	34,000	36,000
	SEER2		18.20	19.00	19.00
	EER2		13.00	12.50	12.30
	HSPF2		9.60	9.80	9.60
Power	COP at 47°F		3.79	3.70	3.91
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	0.81~2.54~4.78	1.19~3.36~5.32	1.40~3.74~5.73
	Heating Power Input (Min~Rated~Max)	kW	0.96~3.09~4.10	1.34~3.64~5.80	1.40~3.76~6.30
	MCA / MOP (ODU)	A	32.0 / 35	32.0 / 40	32.0 / 40
	Power Supply Wiring (ODU)	No. x AWG	3 x 10	3 x 10	3 x 10
	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Rated Amps	A	3.4	3.4	3.4
	ODU Operation Range Cooling	°F WB	5 to 118	5 to 118	5 to 118
Net Dimensions	ODU Operation Range Heating	°F DB	-13 to 64	-13 to 64	-13 to 64
	IDU Dimensions (W x H x D)	in	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8
Weight	ODU Dimensions (W x H x D)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	IDU Weight (Net / Shipping)	lbs	146 / 160	146 / 160	146 / 160
Unit Data	ODU Weight (Net / Shipping)	lbs	190.2 / 214.3	190.2 / 214.3	213.4 / 232.4
	Airflow Rate Cooling (H / M / L)	CFM	1,050 / 980 / 900	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070
	Airflow Rate Heating (H / M / L)	CFM	1,050 / 980 / 900	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070
	Dehumidification	pts/hr	6.9	7.9	8.64
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Sound Pressure	Refrigerant Type		R-32	R-32	R-32
	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare
	Pipe Length (Min / Max)	ft	16.4 / 246	16.4 / 246	16.4 / 246
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	106	120	106
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
Condensation Line (OD, ID)			1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
ENERGY STAR® / Cold Climate			Yes / Yes	Yes / Yes	Yes / Yes

#### Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.



# Multi-Position Air Handling Unit - CV



Specification			18 kBtu/h	24 kBtu/h	30 kBtu/h	36 kBtu/h	
			System	KSSLE182A	KSSLE242A	KSSLE302A	KSSLE362A
			Indoor Unit	KNSLE182A	KNSLE242A	KNSLE302A	KNSLE362A
Outdoor Unit			KUSXE181A	KUSXE241A	KUSXE301A	KUSXE361A	
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	7,200~16,000~17,500	9,600~24,000~25,000	12,000~28,000~29,000	14,400~32,600~34,000	
	Heating Capacity (Min~Rated~Max)	Btu/h	6,000~17,000~18,000	10,800~23,600~26,000	13,600~27,800~30,000	16,000~34,000~35,000	
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	12,430	17,570	20,500	24,570	
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	10,200	14,200	16,700	20,400	
	SEER2		16.00	16.00	16.00	16.00	
	EER2		9.80	10.00	10.00	9.80	
	HSPF2		8.5	8.5	8.5	8.5	
COP at 47°F			3.50	3.40	3.50	3.30	
Power	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	
	Cooling Power Input (Min~Rated~Max)	kW	0.45~1.63~1.85	0.58~2.40~2.80	0.78~2.80~3.15	1.00~3.32~3.55	
	Heating Power Input (Min~Rated~Max)	kW	0.40~1.42~1.90	0.65~2.03~2.45	0.80~2.33~2.80	1.02~3.02~3.20	
	MCA / MOP (ODU)	A	12.9/ 15	15.4/ 25	16.6/ 25	19.5 / 25	
	Power Supply Wiring (ODU)	No. x AWG	3 x 14	3 x 12	3 x 12	3 x 12	
	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	
	Rated Amps	A	2.6	2.6	4.8	4.8	
Operation Range	ODU Operation Range Cooling	°F WB	14 to 118	14 to 118	14 to 118	14 to 118	
	ODU Operation Range Heating	°F DB	4 to 64	4 to 64	4 to 64	4 to 64	
Net Dimensions	IDU Dimensions (W x H x D)	in	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8	
	ODU Dimensions (W x H x D)	in	30-5/16 x 21-15/32 x 11-11/32	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	37-13/32 x 32-27/32 x 13	
Weight	IDU Weight (Net / Shipping)	lbs	113 / 123	113 / 123	134 / 147	134 / 147	
	ODU Weight (Net / Shipping)	lbs	70.5 / 75	92.6 / 103.6	92.6 / 103.6	128.5 / 144.6	
Unit Data	Airflow Rate Cooling (H / M / L)	CFM	600 / 510 / 440	800 / 700 / 580	870 / 730 / 620	1,050 / 980 / 900	
	Airflow Rate Heating (H / M / L)	CFM	600 / 510 / 440	800 / 700 / 580	870 / 730 / 620	1,050 / 980 / 900	
	Dehumidification	pts/hr	2.75	4.23	5.6	7.17	
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	
	Refrigerant Type		R-32	R-32	R-32	R-32	
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	49 / 52	52 / 54	52 / 54	52 / 54	
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Flare	3/8 Flare / 3/8 Braze	3/8 Flare / 3/8 Flare	
	Vapor Pipe (Connection / Pipe Size)	in	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Flare	5/8 Flare / 5/8 Braze	3/4 Flare / 3/4 Flare	
	Pipe Length (Min / Max)	ft	16.4 / 65.6	16.4 / 98.4	16.4 / 98.4	16.4 / 98.4	
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6	24.6	
	Max Pipe Elevation	ft	49.2	49.2	49.2	49.2	
	Pre Charge	Oz	38.8	49.38	49.38	70.55	
	Additional Refrigerant	oz/ft	0.38	0.43	0.43	0.43	
Condensation Line (OD, ID)		in	3/4	3/4	3/4	3/4	
ENERGY STAR® / Cold Climate			No / No	No / No	No / No	No / No	

Note:  
This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.  
Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).  
Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).  
Power input is rated at high speed.  
All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.  
Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.  
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.  
Piping lengths are equivalent.  
Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi-Position Air Handling Unit - CV



KUSXE481A  
KUSXE601A

KUSXE421A



Specification			42 kBtu/h	48 kBtu/h	60 kBtu/h
		System	KSSLE422A	KSSLE482A	KSSLE602A
		Indoor Unit	KNSLE422A	KNSLE482A	KNSLE602A
		Outdoor Unit	KUSXE421A	KUSXE481A	KUSXE601A
Capacity	Cooling Capacity (Min~Rated~Max)	Btu/h	17,000~41,000~48,000	18,000~47,000~50,000	20,500~55,000~57,000
	Heating Capacity (Min~Rated~Max)	Btu/h	18,000~42,000~44,000	19,000~50,000~52,000	21,500~55,000~57,000
	Max Heating Capacity at Outdoor 17 °F (WB)	Btu/h	30,570	36,290	39,860
	Max Heating Capacity at Outdoor 5 °F (WB)	Btu/h	25,200	30,000	33,000
	SEER2		16.00	16.00	16.00
	EER2		8.20	10.00	10.00
	HSPF2		8.5	8.5	8.5
Power	COP at 47°F		3.20	3.20	3.20
	Voltage (IDU)	V, Hz, Ø	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
	Cooling Power Input (Min~Rated~Max)	kW	1.35~5.00~5.30	1.40~4.70~5.30	1.60~5.50~6.40
	Heating Power Input (Min~Rated~Max)	kW	1.45~3.85~4.20	1.50~4.57~5.10	1.60~5.50~6.40
	MCA / MOP (ODU)	A	301/ 35	307/ 40	307/ 40
	Power Supply Wiring (ODU)	No. x AWG	3 x 10	3 x 10	3 x 10
	Power / Com Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Rated Amps	A	4.8	4.8	4.8
	ODU Operation Range Cooling	°F WB	14 to 118	14 to 118	14 to 118
Net Dimensions	ODU Operation Range Heating	°F DB	4 to 64	4 to 64	4 to 64
	IDU Dimensions (W x H x D)	in	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8
Weight	ODU Dimensions (W x H x D)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	IDU Weight (Net / Shipping)	lbs	134 / 147	134 / 147	148 / 162
Unit Data	ODU Weight (Net / Shipping)	lbs	152.6 / 168.2	190.2 / 214.3	190.2 / 214.3
	Airflow Rate Cooling (H / M / L)	CFM	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070	1,750 / 1,580 / 1,400
	Airflow Rate Heating (H / M / L)	CFM	1,225 / 1,100 / 1,000	1,400 / 1,200 / 1,070	1,750 / 1,580 / 1,400
	Dehumidification	pts/hr	79	8.06	910
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
	Refrigerant Type		R-32	R-32	R-32
Sound Pressure	Outdoor Max (Cool / Heat)	dB(A)	52 / 54	54 / 56	54 / 56
Piping	Liquid Pipe (Connection / Pipe Size)	in	3/8 Flare / 3/8 Braze	3/8 Flare / 3/8 Braze	3/8 Flare / 3/8 Braze
	Vapor Pipe (Connection / Pipe Size)	in	3/4 Flare / 3/4 Flare	3/4 Flare / 3/4 Flare	3/4 Flare / 3/4 Flare
	Pipe Length (Min / Max)	ft	16.4 / 164	16.4 / 164	16.4 / 164
	Piping Length (no add'l refrigerant)	ft	24.6	24.6	24.6
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Pre Charge	Oz	77.6	105.8	105.8
	Additional Refrigerant	oz/ft	0.43	0.43	0.43
Condensation Line (OD, ID)			3/4	3/4	3/4
ENERGY STAR® / Cold Climate			No / No	No / No	No / No

## Note:

This data is rated 0 ft above sea level with 24.6 of refrigerant line per indoor unit and a 0 ft level difference outdoor and indoor units.

Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

Power input is rated at high speed.

All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.







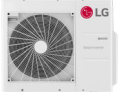








Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

Piping lengths are equivalent.

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# Multi-Zone Lineup

Outdoor Units				
Btu/h	Multi F		Maximum Indoor Units	Combination Sample
18,000	 KUMXB181A	 KUMXA181A	2	
24,000	 KUMXB241A	 KUMXA241A	3	
30,000	 KUMXB301A	 KUMXA301A	4	
36,000	 KUMXB361A		4	
Btu/h	Multi F MAX		Maximum Indoor Units	Combination Sample
36,000	 KUMXA361A		5	
42,000	 KUMXA421A		6	
48,000	 KUMXB481A	 KUMXA481A	8	
54,000	 KUMXB541A		8	
60,000	 KUMXB601A		8	

# Multi-Zone Lineup

Indoor Units								
Btu/h	7,000	9,000	12,000	15,000	18,000	24,000	30,000	36,000
	ARTCOOL™ Mirror	KNUAK091A	KNUAK121A		KNUAK181A			
	High Efficiency	KNMAB071A	KNUAB091A	KNUAB121A	KNMAB151A	KNUAB181A	KNMAB241A	
	Low Wall Console		KNUQB091A	KNUQB121A	KNMQB151A			
 	Ceiling Cassettes							
	1-Way	KNMFB071A	KNUFB091A	KNUFB121A		KNUFB181A		
	4-Way	KNMDB071A	KNUDB091A	KNUDB121A		KNUDB181A		
  	Ducted							
	Low Static		KNMKB091A	KNMKB121A		KNMKB181A		
	Mid Static		KNUJB091A	KNUJB121A		KNUJB181A	KNUJB241A	KNUJB301A
	Multi-Position Air Handling Unit			KNMLB121A		KNMLB181A	KNMLB241A	KNMLB301A
						KNMLB361A		



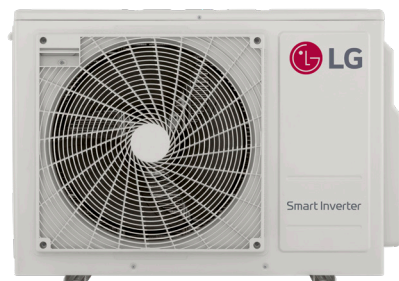
# Multi F Outdoor Units



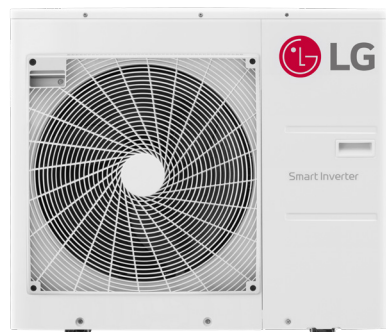
Multi-Zone

Outdoor Units

KUMXB181A  
KUMXB241A



KUMXB301A  
KUMXB361A



Specification			18 kBtu/h	24 kBtu/h	30 kBtu/h	36 kBtu/h
Outdoor Unit			KUMXB181A	KUMXB241A	KUMXB301A	KUMXB361A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	8,400~18,000~21,600	8,400~24,000~25,000	8,400~30,000~36,000	8,400~32,800~38,400
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	10,080~22,000~25,000	10,080~24,600~29,000	10,080~32,000~38,400	10,080~36,000~41,600
	SEER2 (Non-Ducted / Ducted / Mixed)		22.5 / 18.5 / 20.5	22.5 / 18.5 / 20.5	22.0 / 18.5 / 20.3	21.5 / 18.0 / 19.8
	EER2 (Non-Ducted / Ducted / Mixed)		13.5 / 12.5 / 13.0	12.5 / 12.5 / 12.5	13.0 / 12.0 / 12.5	12.5 / 11.7 / 12.1
	HSPF2 (Non-Ducted / Ducted / Mixed)		9.8 / 9.0 / 9.4	9.8 / 9.0 / 9.4	9.5 / 8.8 / 9.2	9.5 / 8.6 / 9.1
	COP @ 47 °F (Non-Ducted / Ducted / Mixed)		3.60 / 3.41 / 3.51	4.20 / 3.60 / 3.89	4.01 / 3.75 / 3.88	3.85 / 3.64 / 3.75
	COP @ 17 °F (Non-Ducted / Ducted / Mixed)		2.85 / 2.70 / 2.78	2.93 / 2.84 / 2.88	2.68 / 2.62 / 2.65	2.78 / 2.55 / 2.66
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.472~1.333~2.011	0.472~1.920~2.623	0.561~2.310~3.861	0.561~2.624~3.900
	Heating Power Input	kW	0.594~1.791~2.423	0.594~1.716~2.808	0.546~2.340~3.349	0.546~2.740~3.900
	MCA, MOCP	A	161 / 20	165 / 20	190 / 20	190 / 20
	Rated Amps (Cool / Heat)	A	12	12	13.5	13.5
	Power Supply Wiring Outdoor Unit	No. x AWG	3 x 14	3 x 14	3 x 12	3 x 12
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Heating Operation Range	°F WB	-4 to 64	-4 to 64	-4 to 64	-4 to 64
	Cooling Operation Range	°F DB	14 to 118	14 to 118	14 to 118	14 to 118
	Cooling Operation with Optional Wind Baffle	°F DB	-4 to 118	-4 to 118	-4 to 118	-4 to 118
Net Dimensions	Dimensions (W x H x D)	in	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
Weight	Weight (Net/Shipping)	lbs	102.7 / 111.6	102.7 / 111.6	140 / 156.5	140 / 156.5
Unit Data	Refrigerant Type		R32	R32	R32	R32
	Compressor Type x Quantity		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
	Sound Pressure (Cooling / Heating)	dB(A)	49 / 54	50 / 54	51 / 54	51 / 54
	Maximum Air Volume	CFM	1,766	1,766	2,295.50	2,295.50
Piping	Liquid Pipe Connection	in	1/4 Flare x 2	1/4 Flare x 3	1/4 Flare x 4	1/4 Flare x 4
	Vapor Pipe Connection	in	3/8 Flare x 2	3/8 Flare x 3	3/8 Flare x 4	3/8 Flare x 4
	Maximum Total Pipe Length	ft	164	230	246.1	246.1
	Minimum Pipe Length (No Additional Refrigerant)	ft	98.4	98.4	123	123
	Maximum Pipe Length ODU to IDU	ft	98 / 82.0	98 / 82.0	98 / 82.0	98 / 82.0
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2	49.2
	Maximum Elevation IDU to ODU	ft	24.6	24.6	24.6	24.6
	Factory Charge of R32	lbs	49.4	49.4	77.6	77.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22
	Condensation Line (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1

## Note:

Rated cooling capacity obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

All capacities are net with a combination ratio between 95 ~ 105%.

Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXB181A: 16.4 ft. x 2 = 32.8 ft.; KUMXB241A: 16.4 ft. x 3 = 49.2 ft. KUMXB301A: 16.4 ft. x 4 = 65.6 ft.; KUMXB361A: 16.4 ft. x 4 = 65.6 ft.

Cooling operation range with Low Ambient Wind Baffle Kit (sold separately) is -4°F to +118°F.

At least two indoor units must be connected. For allocated capacity information, see the combination tables in the "Multi F / Multi F MAX Combination Data Manual" on [www.lghvac.com](http://www.lghvac.com). For performance data, see "Multi F / Multi F MAX Performance Data Manual" on [www.lghvac.com](http://www.lghvac.com).

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Power wiring to the outdoor unit is field supplied, solid or stranded, and must comply with the applicable local and national codes. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

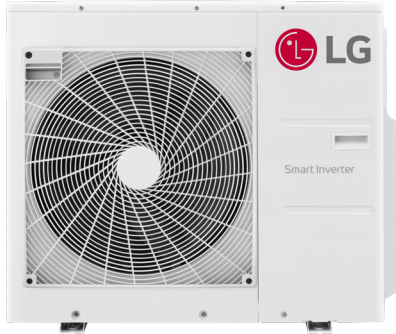
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXB181A: 16.4 ft. x 2 = 32.8 ft. KUMXB241A: 16.4 ft. x 3 = 49.2 ft. KUMXB301A: 16.4 ft. x 4 = 65.6 ft. KUMXB361A: 16.4 ft. x 4 = 65.6 ft.

All capacities are net with a combination ratio between 95 ~ 105%.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi F Outdoor Units with LGRED°



KUMXA181A  
KUMXA241A  
KUMXA301A

**LGRED°**

Multi-Zone

Outdoor Units

Specification			18 kBtu/h	24 kBtu/h	30 kBtu/h
Outdoor Unit			KUMXA181A	KUMXA241A	KUMXA301A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	8,400~18,000~19,980	8,400~24,000~30,000	8,400~28,400~34,080
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	10,248~22,000~24,000	10,248~26,000~31,200	10,248~30,000~36,000
	SEER2 (Non-Ducted / Ducted / Mixed)		20.0 / 17.0 / 18.5	21.0 / 18.5 / 19.8	20.0 / 18.5 / 19.3
	EER2 (Non-Ducted / Ducted / Mixed)		13.5 / 12.0 / 12.8	13.5 / 12.5 / 13.0	12.5 / 11.7 / 12.1
	HSPF2 (Non-Ducted / Ducted / Mixed)		9.8 / 9.0 / 9.4	9.8 / 9.5 / 9.7	9.8 / 9.5 / 9.7
	COP @ 47 °F (Non-Ducted / Ducted / Mixed)		3.60 / 3.36 / 3.48	3.66 / 3.63 / 3.65	3.74 / 3.74 / 3.74
	COP @ 17 °F (Non-Ducted / Ducted / Mixed)		2.59 / 2.50 / 2.55	2.80 / 2.80 / 2.80	2.90 / 2.90 / 2.90
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.875~1.330~1.862	0.936~1.780~2.638	0.945~2.270~3.372
	Heating Power Input	kW	1.001~1.790~2.506	1.233~2.080~3.090	1.299~2.350~3.487
	MCA, MOCP	A	22.7 / 30	23.1 / 30	23.5 / 30
	Rated Amps	A	17.65	17.65	17.65
	Power Supply Wiring Outdoor Unit	No. x AWG	3 x 12	3 x 12	3 x 12
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Heating Operation Range	°F WB	-13 to 64	-13 to 64	-13 to 64
	Cooling Operation Range	°F DB	14 to 118	14 to 118	14 to 118
	With Optional Wind Baffle	°F DB	-4 to 118	-4 to 118	-4 to 118
Dimensions	Net Dimensions (W x H x D)	in	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13	37 13/32 x 32 27/32 x 13
Weight	Weight (Net/Shipping)	lbs	147.7 / 165.3	149.9 / 167.6	152.1 / 169.8
Unit Data	Refrigerant Type		R32	R32	R32
	Compressor Type x Quantity		Scroll x 1	Scroll x 1	Scroll x 1
	Sound Pressure (Cooling / Heating)	dB(A)	50 / 54	52 / 55	52 / 55
	Maximum Air Volume	CFM	2,119	2,119	2,119
	Connectable IDUs (Min / Max)	in	2 / 2	2 / 3	2 / 4
	Connected Capacity (Min / Max)	in	14,000 / 24,000	14,000 / 33,000	14,000 / 40,000
Piping	Liquid Pipe Connection	ft	1/4 Flare x 2	1/4 Flare x 3	1/4 Flare x 4
	Vapor Pipe Connection	ft	3/8 Flare x 2	3/8 Flare x 3	3/8 Flare x 4
	Maximum Total Pipe Length	ft	164	246.1	246.1
	Minimum Pipe Length (No Additional Refrigerant)	ft	82	123	123
	Maximum Pipe Length ODU to IDU	ft	9.8 / 82.0	9.8 / 82.0	9.8 / 82.0
	Maximum Elevation ODU to IDU	lbs	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	oz/ft	24.6	24.6	24.6
	Factory Charge of R32	in	77.6	84.7	84.7
	Additional Refrigerant	oz/ft	0.22	0.22	0.22
	Condensation Line (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1

## Note:

Rated cooling capacity obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

All capacities are net with a combination ratio between 95 ~ 105%.

Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXA181A: 16.4 ft. x 2 = 32.8 ft. KUMXA241A: 16.4 ft. x 3 = 49.2 ft. KUMXA301A: 16.4 ft. x 4 = 65.6 ft.

Cooling operation range with Low Ambient Wind Baffle Kit (sold separately) is -4°F to +118°F.

At least two indoor units must be connected. For allocated capacity information, see the combination tables in the "Multi F / Multi F MAX Combination Data Manual" on [www.lghvac.com](http://www.lghvac.com). For performance data, see "Multi F / Multi F MAX Performance Data Manual" on [www.lghvac.com](http://www.lghvac.com).

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. 5Power wiring to the outdoor unit is field supplied, solid or stranded, and must comply with the applicable local and national codes. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.

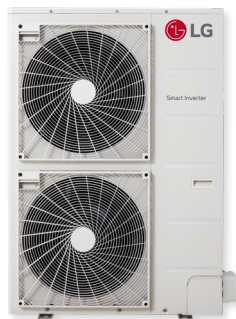
Capacity is rated with non-ducted IDUs, 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths: KUMXA181A: 16.4 ft. x 2 = 32.8 ft.

KUMXA241A: 16.4 ft. x 3 = 49.2 ft. KUMXA301A: 16.4 ft. x 4 = 65.6 ft. All capacities are net with a combination ratio between 95 ~ 105%.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi F MAX Outdoor Units



KUMXB481A  
KUMXB541A  
KUMXB601A

Specification			48 kBtu/h	54 kBtu/h	60 kBtu/h
	Outdoor Unit		KUMXB481A	KUMXB541A	KUMXB601A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	10,800~48,000~58,000	10,800~50,500~63,200	10,800~56,000~65,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	12,420~54,000~59,000	12,420~58,000~64,000	12,420~64,000~68,000
	SEER2 (Non-Ducted / Ducted / Mixed)		20.5 / 19.0 / 19.8	20.6 / 18.5 / 19.6	20.5 / 18.5 / 19.5
	EER2 (Non-Ducted / Ducted / Mixed)		12.8 / 12.6 / 12.7	12.6 / 12.5 / 12.6	12.0 / 11.7 / 11.9
	HSPF2 (Non-Ducted / Ducted / Mixed)		9.5 / 9.5 / 9.5	9.5 / 9.3 / 9.4	10.0 / 9.5 / 9.8
	COP @ 47 °F (Non-Ducted / Ducted / Mixed)		3.50 / 3.40 / 3.45	3.35 / 3.31 / 3.27	3.45 / 3.33 / 3.39
	COP @ 17 °F (Non-Ducted / Ducted / Mixed)		2.50 / 2.45 / 2.47	2.47 / 2.37 / 2.42	2.55 / 2.62 / 2.58
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.66~3.75~5.20	0.66~4.01~5.71	0.64~4.67~5.81
	Heating Power Input	kW	0.75~4.52~5.28	0.75~5.07~5.83	0.71~5.44~5.87
	MCA, MOCP	A	33.3 / 40	33.3 / 40	33.3 / 40
	Rated Amps	A	24.3	24.3	24.3
	Power Supply Wiring Outdoor Unit	No. x AWG	3 x 8	3 x 8	3 x 8
	Power Wiring / Comm. Wiring (ODU to BDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Power Wiring / Communication Wiring (BDU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Heating Operation Range	°F WB	-4 to 64	-4 to 64	-4 to 64
	Cooling Operation Range	°F DB	14 to 118	14 to 118	14 to 118
	With Optional Wind Baffle	°F DB	-4 to 118	-4 to 118	-4 to 118
Dimensions	Dimensions (W x H x D)	in	37 13/32 x 54 11/32 x 13	37 13/32 x 54 11/32 x 13	37 13/32 x 54 11/32 x 13
Weight	Weight (Net/Shipping)	lbs	194 / 218.3	194 / 218.3	218.3 / 239.2
	Refrigerant Type		R32	R32	R32
Unit Data	Compressor Type x Quantity		Scroll x 1	Scroll x 1	Scroll x 1
	Sound Pressure (Cooling / Heating)	dB(A)	53 / 55	53 / 55	56 / 58
	Maximum Air Volume	CFM	2295.5 x 2	2295.5 x 2	2,119 x 2
	Max. Number of Branch Distribution Units		2	2	2
	Connectable IDUs (Min / Max)	Qty	2 / 8	2 / 8	2 / 8
	Connected Capacity (Min / Max)	Btu/h	18,000 / 65,000	18,000 / 73,000	18,000 / 81,000
Piping	Liquid Pipe Connection	in	3/8 Flare x 1	3/8 Flare x 1	3/8 Flare x 1
	Vapor Pipe Connection	in	3/4 Flare x 1	3/4 Flare x 1	3/4 Flare x 1
	Maximum Total System Piping	ft	475.7	475.7	475.7
	Piping Length (No Additional Refrigerant Main+Branch)	ft	16.4 + 131.2	16.4 + 131.2	49.2 + 131.2
	Maximum Main Pipe Length (ODU to BDU)	ft	180.4	180.4	180.4
	Total Branch Piping (BDU to all IDUs)	ft	295.3	295.3	295.3
	Maximum Branch Pipe Length (Length between each BDU and IDU)	ft	49.2	49.2	49.2
	Maximum Outdoor Unit to Indoor Unit Pipe Length	ft	229.6	229.6	229.6
	Maximum Elevation between ODU and IDU	ft	98.4	98.4	98.4
	Maximum Elevation between IDU and IDU	ft	49.2	49.2	49.2
	Maximum Elevation between BDU and IDU	ft	32.8	32.8	32.8
	Maximum Elevation between BDU and BDU	ft	49.2	49.2	49.2
	Factory Charge of R32	oz	120	120	148.2
	Additional Refrigerant Main Pipe	oz/ft	0.54	0.54	0.54
	Additional Refrigerant Branch Pipe	oz/ft	0.22	0.22	0.22
Notes:	Condensation Line (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1

Note:

Rated cooling capacity obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

All capacities are net with a combination ratio between 95 ~ 105%.

Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXB181A: 16.4 ft. x 2 = 32.8 ft.; KUMXB241A: 16.4 ft. x 3 = 49.2 ft. KUMXB301A: 16.4 ft. x 4 = 65.6 ft.; KUMXB361A: 16.4 ft. x 4 = 65.6 ft.

Cooling operation range with Low Ambient Wind Baffle Kit (sold separately) is -4°F to +118°F.

At least two indoor units must be connected. For allocated capacity information, see the combination tables in the "Multi F / Multi F MAX Combination Data Manual" on www.lghvac.com. For performance data, see "Multi F / Multi F MAX Performance Data Manual" on www.lghvac.com.

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Power wiring to the outdoor unit is field supplied, solid or stranded, and must comply with the applicable local and national codes. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

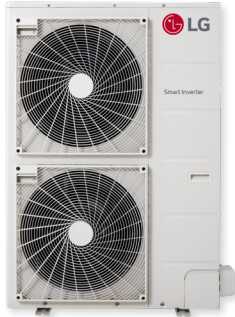
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXB181A: 16.4 ft. x 2 = 32.8 ft. KUMXB241A: 16.4 ft. x 3 = 49.2 ft. KUMXB301A: 16.4 ft. x 4 = 65.6 ft. KUMXB361A: 16.4 ft. x 4 = 65.6 ft.

All capacities are net with a combination ratio between 95 ~ 105%.

Piping lengths are equivalent.

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# Multi F MAX Outdoor Units with LGRED°



KUMXA181A  
KUMXA241A  
KUMXA301A

**LGRED°**

Multi-Zone

Outdoor Units

Specification			36 kBTu/h	42 kBTu/h	48 kBTu/h
Outdoor Unit			KUMXA361A	KUMXA421A	KUMXA481A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	10,800~36,000~47,000	10,800~42,000~53,000	10,800~48,000~58,000
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	12,420~45,000~50,000	12,420~48,000~54,500	12,420~52,500~59,000
	SEER2 (Non-Ducted / Ducted / Mixed)		220 / 190 / 20.5	215 / 190 / 20.3	205 / 185 / 19.5
	EER2 (Non-Ducted / Ducted / Mixed)		14.5 / 13.5 / 14.0	13.8 / 13.1 / 13.5	13.1 / 12.6 / 12.9
	HSPF2 (Non-Ducted / Ducted / Mixed)		11.0 / 10.0 / 10.5	11.0 / 10.0 / 10.5	10.5 / 10.0 / 10.3
	COP @ 47 °F (Non-Ducted / Ducted / Mixed)		4.00 / 3.57 / 3.77	3.80 / 3.52 / 3.65	3.62 / 3.45 / 3.53
	COP @ 17 °F (Non-Ducted / Ducted / Mixed)		2.38 / 2.76 / 2.75	2.54 / 2.60 / 2.57	2.47 / 2.66 / 2.56
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.64~2.48~4.07	0.64~3.04~4.71	0.64~3.66~5.17
	Heating Power Input	kW	0.71~3.30~4.31	0.71~3.70~4.70	0.71~4.25~5.09
	MCA, MOCP	A	32.1 / 40	32.5 / 40	33.3 / 40
	Rated Amps	A	23.0	23.0	23.0
	Power Supply Wiring Outdoor Unit	No. x AWG	3 x 8	3 x 8	3 x 8
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Operation Range	Power Wiring / Communication Wiring (BDU to IDU)	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
	Heating Operation Range	°F WB	-13 to 64	-13 to 64	-13 to 64
	Cooling Operation Range	°F DB	14 to 118	14 to 118	14 to 118
	With Optional Wind Baffle	°F DB	-14 to 118	-14 to 118	-14 to 118
Dimensions	Dimensions (W x H x D)	in	37 13/32 x 54 11/32 x 13	37 13/32 x 54 11/32 x 13	37 13/32 x 54 11/32 x 13
Weight	Weight (Net/Shipping)	lbs	218.3 / 239.2	218.3 / 239.2	218.3 / 239.2
Unit Data	Refrigerant Type		R32	R32	R32
	Compressor Type x Quantity		Scroll x 1	Scroll x 1	Scroll x 1
	Sound Pressure (Cooling / Heating)	dB(A)	53 / 55	54 / 56	54 / 56
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2	2,119 x 2
	Max. Number of Branch Distribution Units		2	2	2
	Connectable IDUs (Min / Max)	Qty	2 / 5	2 / 6	2 / 8
	Connected Capacity (Min / Max)	Btu/h	18,000 ~ 48,000	18,000 ~ 56,000	18,000 ~ 65,000
Piping	Liquid Pipe Connection	in	3/8 Flare x 1	3/8 Flare x 1	3/8 Flare x 1
	Vapor Pipe Connection	in	3/4 Flare x 1	3/4 Flare x 1	3/4 Flare x 1
	Maximum Total System Piping	ft	475.7	475.7	475.7
	Piping Length (No Additional Refrigerant Main+Branch)	ft	49.2 + 131.2	49.2 + 131.2	49.2 + 131.2
	Maximum Main Pipe Length (ODU to BDU)	ft	180.4	180.4	180.4
	Total Branch Piping (BDU to all IDUs)	ft	295.3	295.3	295.3
	Maximum Branch Pipe Length (Length between each BDU and IDU)	ft	49.2	49.2	49.2
	Maximum Outdoor Unit to Indoor Unit Pipe Length	ft	229.6	229.6	229.6
	Maximum Elevation between ODU and IDU	ft	98.4	98.4	98.4
	Maximum Elevation between IDU and IDU	ft	49.2	49.2	49.2
	Maximum Elevation between BDU and IDU	ft	32.8	32.8	32.8
	Maximum Elevation between BDU and BDU	ft	49.2	49.2	49.2
	Factory Charge of R32	oz	148.2	148.2	148.2
	Additional Refrigerant Main Pipe	oz/ft	0.54	0.54	0.54
	Additional Refrigerant Branch Pipe	oz/ft	0.22	0.22	0.22
	Condensation Line (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1

Note:

Rated cooling capacity obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB). All capacities are net with a combination ratio between 95 ~ 105%.

Capacity is rated with non-ducted indoor units, 0 ft. above sea level, with a 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths: KUMXA181A: 16.4 ft. x 2 = 32.8 ft. KUMXA241A: 16.4 ft. x 3 = 49.2 ft. KUMXA301A: 16.4 ft. x 4 = 65.6 ft.

Cooling operation range with Low Ambient Wind Baffle Kit (sold separately) is -4°F to +118°F.

At least two indoor units must be connected. For allocated capacity information, see the combination tables in the "Multi F / Multi F MAX Combination Data Manual" on [www.lghvac.com](http://www.lghvac.com). For performance data, see "Multi F / Multi F MAX Performance Data Manual" on [www.lghvac.com](http://www.lghvac.com).

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

Power wiring to the outdoor unit is field supplied, solid or stranded, and must comply with the applicable local and national codes. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

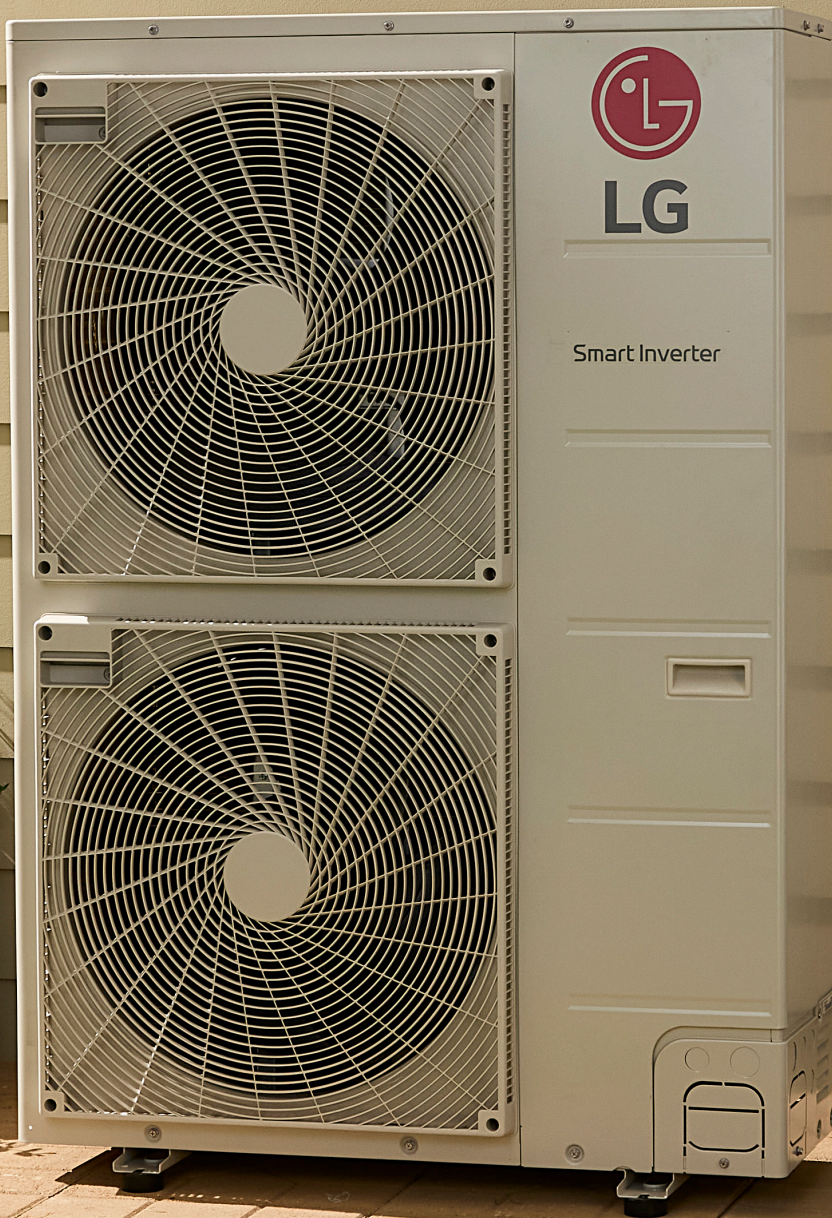
Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R32 refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA. Capacity is rated with non-ducted IDUs, 0 ft. above sea level, with a 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths: KUMXA181A: 16.4 ft. x 2 = 32.8 ft.

KUMXA241A: 16.4 ft. x 3 = 49.2 ft. KUMXA301A: 16.4 ft. x 4 = 65.6 ft. All capacities are net with a combination ratio between 95 ~ 105%.

Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification.







# Multi F Indoor Units



## ARTCOOL™ Mirror

Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h
Capacity	Indoor Unit		KNUAK091A	KNUAK121A	KNUAK181A
	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10900	13600	21600
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty.	W	30 x 1	30 x 1	58 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	268 / 218 / 169	282 / 233 / 177	558 / 438 / 353
	Rated Amps	A	0.4	0.4	0.4
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	36 / 32 / 27	38 / 34 / 29	44 / 38 / 34
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	Weight (Net/Shipping)	lbs	22.7 / 24.5	22.7 / 24.5	27.8 x 33.5
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8



## High Efficiency

Specification			7 kBtu/h	9 kBtu/h	12 kBtu/h	15 kBtu/h	18 kBtu/h	24 kBtu/h
Capacity	Indoor Unit		KNMAB071A	KNUAB091A	KNUAB121A	KNMAB151A	KNUAB181A	KNMAB241A
	Cooling	Btu/h	7000	9000	12000	14300	18000	24000
	Heating	Btu/h	8100	10900	13600	15600	21600	25600
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty.	W	30 x 1	30 x 1	30 x 1	30 x 1	58 x 1	58 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	254 / 204 / 148	268 / 218 / 169	282 / 233 / 177	314 / 268 / 184	558 / 438 / 353	597 / 452 / 367
	Rated Amps	A	0.4	0.4	0.4	0.4	0.4	0.4
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	35 / 31 / 26	36 / 32 / 27	38 / 34 / 29	42 / 38 / 32	44 / 38 / 34	46 / 41 / 36
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	Weight (Net/Shipping)	lbs	19.73 x 22.7	19.73 x 22.7	19.73 x 22.7	19.73 x 22.7	26.0 x 31.8	26.5 x 30
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4	3/8	1/4
	Vapor Pipe	in	3/8	3/8	3/8	3/8	5/8	1/2
	Drain (OD ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8

### Note:

Nominal capacity is rated 0 ft. above sea level with corresponding refrigerant piping length in accordance with standard length of each outdoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.  
 Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).  
 Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).  
 This unit comes with a dry helium charge.  
 Acceptable operating voltage: 187V-253V.  
 Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.  
 The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.  
 Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi F Indoor Units



LG ThinQ®



## Low Wall Console

Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h
	Indoor Unit		KNUQB091A	KNUQB121A	KNUQB151A
Capacity	Cooling	Btu/h	9000	12000	15710
	Heating	Btu/h	10600	13650	17070
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Turbo	Turbo	Turbo
	Motor Output x Qty.	W	48 x 1	48 x 1	48 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	318 / 300 / 237 / 177	353 / 318 / 244 / 184	388 / 357 / 304 / 254
	Rated Amps	A	0.7	0.7	0.7
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	38 / 32 / 27	39 / 32 / 27	44 / 39 / 35
	Dimensions (WxHxD)	in	27-9/16 x 23-5/8 x 8-9/32	27-9/16 x 23-5/8 x 8-9/32	27-9/16 x 23-5/8 x 8-9/32
	Weight (Net/Shipping)	lbs	33.7 / 39.7	33.7 / 39.7	33.7 / 39.7
	Liquid Pipe	in	1/4	1/4	1/4
Piping	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD ID)	in	21/32 / 15/32	21/32 / 15/32	21/32 / 15/32



LG ThinQ®



## Low Static Ducted

Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h
	Indoor Unit		KNMKB091A	KNMKB121A	KNMKB181A
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10400	13800	20800
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor Output x Qty.	W	19 x 1	5 x 1, 19 x 1	5 x 1, 19 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	318 / 247 / 194	353 / 300 / 247	530 / 441 / 353
	Rated Amps	A	0.40	0.80	0.80
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
	Dimensions (WxHxD)	in	27-9/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16
	Weight (Net/Shipping)	lbs	35.1 x 43.4	45.4 x 55.2	45.4 x 55.2
	Liquid Pipe	in	1/4	1/4	1/4
Piping	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1

### Note:

Nominal capacity is rated 0 ft. above sea level with corresponding refrigerant piping length in accordance with standard length of each outdoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

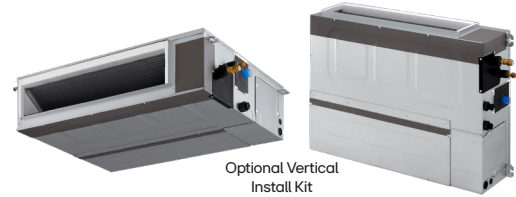
This unit comes with a dry helium charge.  
Acceptable operating voltage: 187V-253V.

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation. The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Multi F Indoor Units

## Convertible Mid Static Ducted



Optional Vertical  
Install Kit

Specification			9 kBtu/h	12 kBtu/h	18 kBtu/h	24 kBtu/h
Indoor Unit			KNUJB091A	KNUJB121A	KNUJB181A	KNUJB241A
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating	Btu/h	12000	15000	20000	27000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Motor Output x Qty.	W	165 x 1	165 x 1	165 x 1	165 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	353.1 / 317.8 / 282.5	494.4 / 423.8 / 353.1	635.7 / 529.7 / 423.8	706.3 / 547.4 / 459.1
	Rated Amps	A	1.7	1.7	1.7	1.7
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	28 / 27 / 26	31 / 29 / 28	36 / 32 / 29	38 / 33 / 30
	Dimensions (WxHxD)	in	35-7/16 x 9-21/32 x 27-9/16	35-7/16 x 9-21/32 x 27-9/16	35-7/16 x 9-21/32 x 27-9/16	35-7/16 x 9-21/32 x 27-9/16
	Weight (Net/Shipping)	lbs	61.5 / 71.7	61.5 / 71.7	61.5 / 71.7	64.2 / 74.3
	Vertical Install Kit (Net/Ship Weight)	lbs	4.41 / 5.51	4.41 / 5.51	4.41 / 5.51	4.41 / 5.51
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2	1/2
	Drain (OD ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1



## Mid Static Ducted

Specification			30 kBtu/h	36 kBtu/h
Indoor Unit			KNUJB301A	KNUJB361A
Capacity	Cooling	Btu/h	30,000	36,000
	Heating	Btu/h	34,000	40,000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Sirocco	Sirocco
	Motor Output x Qty.	W	350 x 1	350 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	989 / 848 / 741	1,130 / 989 / 848
	Rated Amps	A	2.3	2.3
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	34 / 33 / 32	36 / 34 / 33
	Dimensions (WxHxD)	in	49-7/32 x 10-5/8 x 27-9/16	49-7/32 x 10-5/8 x 27-9/16
	Weight (Net/Shipping)	lbs	85.3 / 98.3	85.3 / 98.3
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	5/8	5/8
	Drain (OD ID)	in	1-1/4, 1	1-1/4, 1

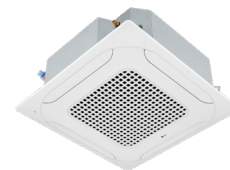
### Note:

Nominal capacity is rated 0 ft. above sea level with corresponding refrigerant piping length in accordance with standard length of each outdoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.  
 Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).  
 Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).  
 This unit comes with a dry helium charge.  
 Acceptable operating voltage: 187V-253V.  
 Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.  
 The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.  
 Due to our commitment to continued innovation, some specifications may be changed without notification.





LG ThinQ®



## 4-Way Ceiling Cassette

Specification			7 kBtu/h	9 kBtu/h	12 kBtu/h	18 kBtu/h
Indoor Unit			KNMDB071A	KNUDB091A	KNUDB121A	KNUDB181A
Required Panel Model Number			PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
Capacity	Cooling	Btu/h	7000	9000	12000	18000
	Heating	Btu/h	8100	10400	13800	20800
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Turbo	Turbo	Turbo	Turbo
	Motor Output x Qty.	W	43 x 1	43 x 1	43 x 1	43 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	265 / 212 / 177	300 / 265 / 230	335 / 283 / 247	459 / 424 / 388
	Rated Amps	A	0.25	0.25	0.25	0.25
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	31 / 27 / 24	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
	Dimensions (WxHxD)	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
	Panel Dimensions (WxHxD)	in	24-13/32 x 1-11/32 x 24-13/32	24-13/32 x 1-11/32 x 24-13/32	24-13/32 x 1-11/32 x 24-13/32	24-13/32 x 1-11/32 x 24-13/32
	Weight (Net/Shipping)	lbs	25.6 / 31.1	28.4 / 34	28.4 / 34	30.9 / 37
	Panel Weight (Net/Shipping)	lbs	6.3 / 8.6	6.3 / 8.6	6.3 / 8.6	6.3 / 8.6
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	1/2
	Drain (OD ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1



LG ThinQ®



## 1-Way Ceiling Cassette

Specification			7 kBtu/h	9 kBtu/h	12 kBtu/h	18 kBtu/h
Indoor Unit			KNMFB071A	KNUFB091A	KNUFB121A	KNUFB181A
Required Panel Model Number			PT-UCA	PT-UCA	PT-UCA	PT-UCA
Capacity	Cooling	Btu/h	7000	9000	12000	18000
	Heating	Btu/h	8100	12000	15400	20000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Qty.	W	30 x 1	30 x 1	30 x 1	30 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (Max/H/M/L)	CFM	325 / 289 / 258 / 226	353 / 325 / 300 / 289	388 / 353 / 325 / 289	512 / 477 / 406 / 335
	Rated Amps	A	0.58	0.58	0.58	0.58
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	33 / 30 / 28 / 25	35 / 33 / 31 / 30	38 / 35 / 33 / 30	46 / 44 / 40 / 35
	Dimensions (WxHxD)	in	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8	40-5/32 x 7-3/4 x 13-3/8
	Panel Dimensions (WxHxD)	in	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32	50 x 1-3/16 x 16-7/32
	Weight (Net/Shipping)	lbs	30.4 / 37	30.4 / 37	30.4 / 37	30.4 / 37
	Panel Weight (Net/Shipping)	lbs	10.8 / 13.9	10.8 / 13.9	10.8 / 13.9	10.8 / 13.9
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	1/2
	Drain (OD ID)	in	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32

**Note:**

Nominal capacity is rated 0 ft. above sea level with corresponding refrigerant piping length in accordance with standard length of each outdoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

This unit comes with a dry helium charge.  
Acceptable operating voltage: 187V-253V.

Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation. The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

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## Multi-Position Air Handling Unit

Specification			12 kBtu/h	18 kBtu/h	24 kBtu/h
	Indoor Unit		KNMLB121A	KNMLB181A	KNMLB241A
Capacity	Cooling	Btu/h	12000	18000	24000
	Heating	Btu/h	15000	20000	27000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor Output x Qty.	W	250 x 1	250 x 1	250 x 1
	Airflow (H/M/L)	CFM	500 / 460 / 420	600 / 510 / 440	800 / 700 / 580
	Rated Amps	A	2.8	2.8	2.8
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	34 / 31 / 28	35 / 32 / 29	36 / 33 / 29
	Dimensions (WxHxD)	in	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8	18 x 48-21/32 x 21-3/8
	Weight (Net/Shipping)	lbs	115.1 / 127.2	115.3 / 127.4	115.3 / 127.4
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	1/2	1/2
	Drain Primary and Secondary (ID)	in	3/4 FPT	3/4 FPT	3/4 FPT



## Multi-Position Air Handling Unit

Specification			30 kBtu/h	36 kBtu/h
	Indoor Unit		KNMLB301A	KNMLB361A
Capacity	Cooling	Btu/h	30,000	36,000
	Heating	Btu/h	34,000	40,000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring	No. x AWG	3 x 14 / 2 x 18	3 x 14 / 2 x 18
Fan	Type		Sirocco	Sirocco
	Motor Output x Qty.	W	400 x 1	400 x 1
	Airflow (H/M/L)	CFM	875 / 750 / 630	1050 / 980 / 900
	Rated Amps	A	3.4	3.4
Unit Data	Sound Pressure Level (H/M/L)	dB(A)	40 / 37 / 35	40 / 37 / 35
	Dimensions (WxHxD)	in	21 x 55-3/16 x 21-3/8	21 x 55-3/16 x 21-3/8
	Weight (Net/Shipping)	lbs	138.2 / 152.8	138.2 / 152.8
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	5/8	5/8
	Drain Primary and Secondary (ID)	in	3/4 FPT	3/4 FPT

### Note:

Nominal capacity is rated 0 ft. above sea level with corresponding refrigerant piping length in accordance with standard length of each outdoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

This unit comes with a dry helium charge.

Acceptable operating voltage: 187V-253V.





Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.

The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.

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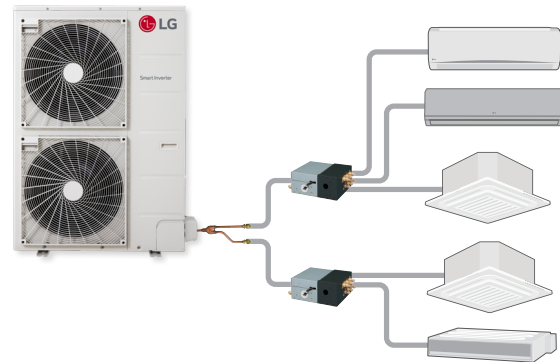
# Multi F MAX Piping Accessories

## Accessory Lineup

For	2 IDUs	3 IDUs	4 IDUs	4 IDUs
Branch Distribution Unit	 PMBD3620ZR	 PMBD3630ZR	 PMBD3640ZR	 PMBD3641ZR
Y-Branch	 ARBLN03321			

## Branch Distribution Unit Features

- Distribution of refrigerant to various indoor units
- 4 models (2, 3, 4 indoor units)
- Integral EEVs
- Controlling PCB inside the unit
- Internally insulated (prevents condensation)
- Flare joints for easy and clean installation
- Compact design (low height)
- Flexible installation



## Specifications

Specification		Unit	PMBD3620ZR	PMBD3630ZR	PMBD3640ZR	PMBD3641ZR
Max Nominal	Each Port	Btu/h	24,000	24,000	24,000	Ports A - C: 24,000, Port D: 36,000
Port Capacity	Sum of Ports	Btu/h	48,000	72,000	73,000	73,000
Connectable Indoor Units <sup>1</sup>			1 ~ 2	1 ~ 3	1 ~ 4	1 ~ 4
Operating Range		°F DB	0 ~ 150	0 ~ 150	0 ~ 150	0 ~ 150
Voltage		V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
Power Input		W	82	87	97	97
Rated Amps		A	.034	0.36	0.40	0.40
Dimensions	WxHxD	inch	17-1/4 x 6-7/16 x 12-1/8	17-1/4 x 6-7/16 x 12-1/8	17-1/4 x 6-7/16 x 12-1/8	17-1/4 x 6-7/16 x 12-1/8
Weight	Net	lbs	17.4	18.3	19.4	19.6
	Shipping	lbs	20.9	21.8	22.9	23.4
Pipe Connection Size (In from ODU)	Liquid	in	3/8 Braze	3/8 Braze	3/8 Braze	3/8 Braze
	Vapor	in	3/4 Braze	3/4 Braze	3/4 Braze	3/4 Braze
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2) Flare	1/4 (x3) Flare	1/4 (x4) Flare	1/4 (x4) Flare
	Vapor	in	3/8 (x2) Flare	3/8 (x3) Flare	3/8 (x4) Flare	Ports A - C: 3/8 Port D: 1/2 Flare
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2	49.2
	BD Box to BD Box	ft	32.8	32.8	32.8	32.8
Max Pipe Elevation	BD Box to IDU	ft	49.2	49.2	49.2	49.2
	BD Box to BD Box	ft	49.2	49.2	49.2	49.2

Note :  
Branch Distribution Unit should be installed indoors.  
Due to our commitment to continued innovation, some specifications may be changed without notification.

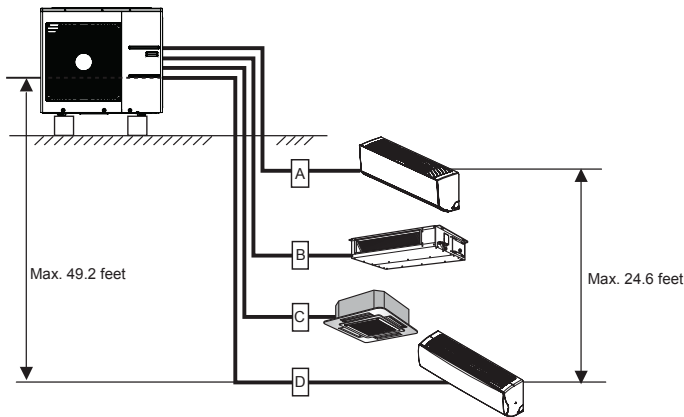
# Multi F Piping Summary

The following are examples of manual pipe size calculations. Designers are strongly encouraged to use LATS for Multi F systems.

## Multi F Solution

Example shown: KUMXB361A outdoor unit with four (4) indoor units connected.

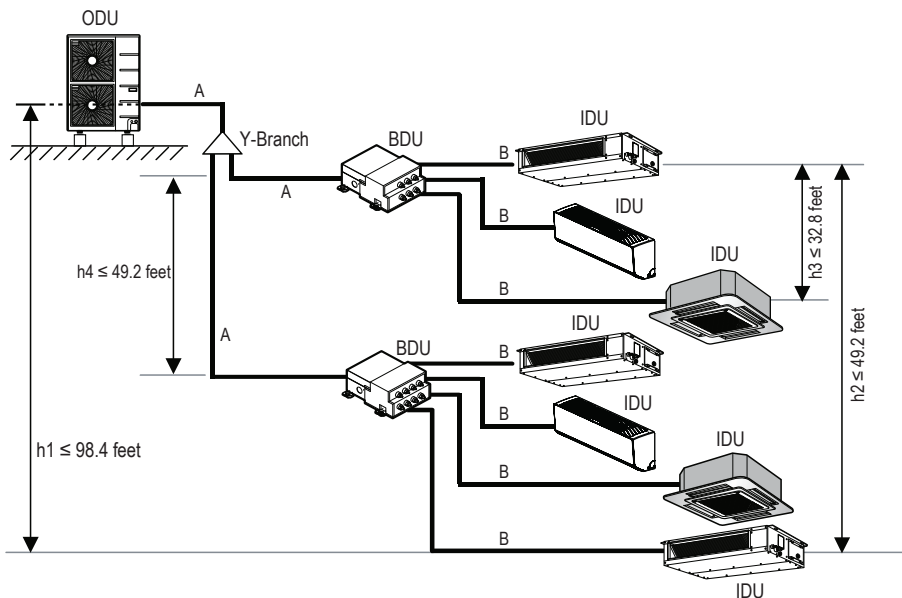
Model Number	Min Length Each Pipe (ft.)	Maximum Piping Length to each IDU (ft.)				Max. Total Piping Length for Each System (ft.)
		A	B	C	D	
KUMXB181A	10	82	82	-	-	164
KUMXB241A	10	82	82	82	-	230
KUMXB301A	10	82	82	82	82	246.1
KUMXB361A	10	82	82	82	82	246.1



## Multi F MAX Solution

Example: KUMXB541A outdoor unit with seven (7) indoor units, and two (2) branch distribution units connected.  
A, B, C, D: Pipes from Outdoor Unit to Indoor Unit

	Total System Pipe Length ( $\Sigma A + \Sigma B$ )		≤475.7 feet
Pipe Length (ELF = Equivalent Length of pipe in Feet)	Main pipe (Outdoor Unit to Branch Distribution Units: $\Sigma A$ )	Minimum	16.4 feet
		Maximum	≤180.4 feet
	Total Branch Pipe Length ( $\Sigma B$ )		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: $\Sigma B$ )	Minimum	16.4 feet
		Maximum	≤49.2 feet
Elevation Differential (All Elevation Limitations are Measured in Actual Feet)	If outdoor unit is above or below indoor unit (h1)		≤98.4 feet
	Between the farthest two indoor units (h2)		≤49.2 feet
	Between branch distribution unit and farthest connected indoor unit(s) (h3)		≤32.8 feet
	Between branch distribution units (h4)		≤49.2 feet



**KEY:**  
ODU: Outdoor Unit  
IDU: Indoor Unit  
BDU: Branch Distribution Unit (s)  
A, B, C, D: Pipes from ODU to IDU  
 $\Sigma A$ : Main Pipe  
 $\Sigma B$ : Branch Pipe (BDU(s) to IDU(s))





# Controls

## Individual Control



PREMTC00U



PREMTB101  
PREMTBB11



PREMTA201



PWLSSB21H



PREMTBVC2,3,4



ZRTBS01

Model	Description
PREMTC00U	Simple Wired Remote Controller
PREMTB101 / PREMTBB11	Standard III Wired Remote Controller
PREMTA201	Deluxe Wired Remote Controller
PWLSSB21H	Wireless Remote Controller
PREMTBVC2	LG MultiSITE™ Remote Controller
PREMTBVC3	LG MultiSITE™ Remote Controller with Motion and Humidity Sensor
PREMTBVC4	LG MultiSITE™ Remote Controller with ZigBee® Pro Wireless Network
ZRTBS01	Remote Temperature Button Sensor

## LG MultiSITE™ Remote Controller Accessories



ZVRCZMTH1



ZVRCZTRH1



ZVRCZDWC1



ZVRCZWLS1

Model	Description
ZVRCZPWC2	ZigBee Pro Wireless Card
ZVRCZMTH1	CRC1/2 Motion, Temperature, Humidity sensor (Motion only for CRC1)
ZVRCZTRH1	RC2 Wireless Temperature & RH sensor
ZVRCZDWC1	CRC2 Door & Window Contact
ZVRCZWLS1	CRC2 Water Leak Sensor
VCM8002V504	BACnet IP Wi-Fi card

## Integration Devices



PBACNBTR0A



PMNFP14A1



PDRYCB100  
PDRYCB320  
PDRYCB400



PZCWRC1  
PZCWRCG3



PACSSA000

Model	Description
PBACNBTR0A	LG MultiSITE™ Communications Manager
PDRYCB100	Simple Dry Contact
PDRYCB320	Dry Contact for Thermostat (5-12VDC, 24VAC)
PDRYCB400	Dry Contact for Economizer/Setback
PMNFP14A1	PI-485 for DFS
PZCWRC1	32.8' Wired Remote Extension Cable
PZCWRCG3	Group Control Cable Kit (required for each additional A/H with single zone controller)
PACSSA000	Central Control Integration Solution

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# Accessories

## Indoor Accessories



PWFMD200



PRARH(0,1)  
PRARS1



PT-AAGW0  
PT-QAGW0



PTVK430



ANEH\*\*\*C1,  
ANEH\*\*\*C2,  
ANEH\*\*\*C3

Type	Model	Description	Used with
Wi-Fi Module	PWFMD200	Connects to CN_WF or CN_WiFi depending on how the unit's board is marked	See Compatibility Table
Aux Heater Relay Kit	PRARH(0,1)	Auxiliary Heat Kit for Cassettes, Consoles and Ducted IDUs	See Compatibility Table
	PRARS1	Auxiliary Heat Kit for Wall Mounted IDUs	See Compatibility Table
Cassette Panel	PT-AAGW0	4-Way Ceiling Cassette 3X3 Panel	KNSCB**1A
	PT-QAGW0	4-Way Ceiling Cassette 2x2 Panel	KNUDB*1A, KNMDB071A
	PT-AFGW0S	Premium 3x3 Panel (includes Air Purification Kit)	KNSCB**1A
	PT-AHMP0	Air Purification Kit	KNSCB**1A
	PT-DCA	3x3 Decorative Cover	KNSCB**1A
	PT-VSAA0	Human Detection Sensor	KNSCB**1A
	PT-FSMA0	Floor Temperature Sensor	KNSCB**1A
Cassette Ventilation	PTVK430	3" Ø Ventilation Air Connection for all 4-Way Ceiling Cassettes	All 4-Way Ceiling Cassettes
Multi-Position Air Handling Unit Heat Kit	ANEH033C1	3 kW Electric Heat Kit for MPAHU	KNSLB**1A, KNSLA**1A, KNSLE**2A, KNMLB**1A
	ANEH053C1	5 kW Electric Heat Kit for MPAHU	KNSLB**1A, KNSLA**1A, KNSLE**2A, KNMLB**1A
	ANEH083C2	8 kW Electric Heat Kit for MPAHU	KNSLB**1A, KNSLA**1A, KNSLE**2A, KNMLB**1A
	ANEH103C2	10 kW Electric Heat Kit for MPAHU	KNSLB181-601A, KNSLA181-361A, KNSLE**2A, KNMLB181-361A
	ANEH153C2	15 kW Electric Heat Kit for MPAHU	KNSLB361-601A, KNSLA361A, KNSLE362-602A, KNMLB361A
	ANEH203C3	20 kW Electric Heat Kit for MPAHU	KNSLB421-601A, KNSLE422-602A
Mid Static Conversion Kit	ABDAMA0	Vertical Installation Conversion Kit	KNUJB091-241A
MPAHU Down Flow Conversion Kit	PNDFA0	Vertical Down Flow Conversion Kit	KNSLB**1A, KNSLA**1A, KNSLE**2A, KNMLB**1A
High Efficiency Filter Box	ZFBXMA01A	High Efficiency Filter Box for MA Chassis	KNUJB091-241A
	ZFBXM201A	High Efficiency Filter Box for M2 Chassis	KNUJB301-361A
	ZFBXM301A	High Efficiency Filter Box for M3 Chassis	KNUJA421-481A

## Air Technologies



ARVU053CDA0 / ARVU063CDA0



ARVU093ZFA2 / ARVU123ZFA2



ARV00903RA6 / ARV01203RA6



PSNFP14A0

Category	Model	Description
ERV	ARVU053CDA0	Energy Recovery Ventilator 465 cfm
	ARVU063CDA0	Energy Recovery Ventilator 600 cfm
	ARVU093ZFA2	Energy Recovery Ventilator 900 cfm
	ARVU123ZFA2	Energy Recovery Ventilator 1,200 cfm
	ARV00903RA6	Residential Energy Recovery Ventilator 90 cfm
	ARV01203RA6	Residential Energy Recovery Ventilator 120 cfm
ERV Accessory	PSNFP14A0	PI485 for ERV (INDOOR)

Dual Vane Cassette Air Purification Kit PT-AHMP0 is included with the PT-AFGW0S premium grille; it is compatible with the PT-AEGW0 auto-elevation grille.  
Due to our commitment to continued innovation, some specifications may be changed without notification.

# Accessories

## Outdoor Accessories



Base Pan Heater



Wind Baffle

Accessories	Model Number	Optional	Factory Installed
Wind Baffle	ZLABGP01A	KUSAB091A, KUSAB121A, KUSXB091A, KUSXB121A	
	ZLABGP03A	KUSAL091A, KUSAL121A, KUMXB181A, KUMXB241A	
	ZLABGP04A	KUSAB181A, KUSAP241A, KUSAP301A, KUSAP361A, KUSAL151A, KUSAL181A, KUSAL241A, KUSXB181A, KUSXB241A, KUSXA181A, KUSXA241A, KUMXB301A, KUMXB361A, KUMXA181A, KUMXA241A, KUMXA301A	
	ZLABGP04A x 2	KUSXA301A, KUSXA361A, KUSXA421A, KUSXA422A, KUSXA481A, KUSXA482A, KUSXB301A, KUSXB361A, KUSXB421A, KUSXB481A, KUSXB601A, KUMXA361A, KUMXA421A, KUMXA481A, KUMXB481A, KUMXB541A, KUMXB601A	
Drain Pan Heater	PQSH1200		KUSAB091A, KUSAB121A, KUSAB181A, KUSAP241A, KUSAP301A, KUSAP361A, KUSAL091A, KUSAL121A, KUSAL151A, KUSAL181A, KUSAL241A
		KUSXE181A, KUSXE241A, KUSXE301A, KUSXE361A, KUSXE421A, KUSXE481A, KUSXE601A, KUSXB181A, KUSXB241A, KUSXB301A, KUSXB361A, KUSXB421A, KUSXB481A, KUSXB601A	
			KUSXA181A, KUSXA241A, KUSXA301A, KUSXA361A, KUSXA421A, KUSXA422A, KUSXA481A, KUSXA482A
		KUMXB301A, KUMXB361A	
			KUMXA181A, KUMXA241A, KUMXA301A, KUMXA361A, KUMXA421A, KUMXA481A
		KUMXB481A, KUMXB541A, KUMXB601A	
	PQSH1201		KUSAB091A, KUSAB121A, KUSAB181A, KUSAP241A, KUSAP301A, KUSAP361A, KUSAL091A, KUSAL121A, KUSAL151A, KUSAL181A, KUSAL241A, KUSXA181A, KUSXA241A, KUSXA301A, KUSXA361A, KUSXA421A, KUSXA422A, KUSXA481A, KUSXA482A
	PQSH1202		KUSAB091A, KUSAB121A, KUSAB181A, KUSAP241A, KUSAP301A, KUSAP361A, KUSAL091A, KUSAL121A, KUSAL151A, KUSAL181A, KUSAL241A
		KUSXB091A, KUSXB121A	
			KUSXA181A, KUSXA241A, KUSXA301A, KUSXA361A, KUSXA421A, KUSXA422A, KUSXA481A, KUSXA482A
	PQSH1203		KUSAB091A, KUSAB121A, KUSAB181A, KUSAP241A, KUSAP301A, KUSAP361A, KUSAL091A, KUSAL121A, KUSAL151A, KUSAL181A, KUSAL241A, KUSXA181A, KUSXA241A, KUSXA301A, KUSXA361A, KUSXA421A, KUSXA422A, KUSXA481A, KUSXA482A
		KUMXB181A, KUMXB241A	
			KUMXA181A, KUMXA241A, KUMXA301A, KUMXA361A, KUMXA421A, KUMXA481A

Note:  
Drain Pan Heater is compatible with Multi F and Multi F MAX units manufactured after May 2015 and some models manufactured after April 2017.  
Due to our commitment to continued innovation, some specifications may be changed without notification.



# Single-Zone Indoor Controls and Accessories Compatibility












Single Zone		Wi-Fi Module w/ Cable	LG MultiSITE™ Remote Controllers	Simple Controller	Standard III Wired Remote Controller	Deluxe Wired Remote Controller	Dry Contact	Remote Temp/ Button Sensor	Group Control	Cable Extension	Aux Heater Relay Kit
		PWFMD200	PREMTBVC (2/3/4)	PREMTC00U	PREMTB101 PREMTBB11	PREMTA201	PDRYCB (100/320/400)	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH(0,1)
ARTCOOL™ Deluxe	KNSAL091A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAL121A	Built-In	0	X	0	0	0	X	X	0	X
ARTCOOL™ Mirror	KNUAK091A	Built-In	0	X	0	0	0	X	X	0	X
	KNUAK121A	Built-In	0	X	0	0	0	X	X	0	X
ARTCOOL™ Premier	KNSAL151A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAL181A	Built-In	0	X	0	0	0	X	X	0	X
Extended Piping	KNSAP241A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAP301A	Built-In	0	X	0	0	0	X	X	0	X
High Efficiency	KNSAP361A	Built-In	0	X	0	0	0	X	X	0	X
	KNUAB091A	Built-In	0	X	0	0	0	X	X	0	X
Standard Efficiency <sup>3</sup>	KNUAB121A	Built-In	0	X	0	0	0	X	X	0	X
	KNUAB181A	Built-In	0	X	0	0	0	X	X	0	X
Mega <sup>3</sup>	KNSAE091A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAE121A	Built-In	0	X	0	0	0	X	X	0	X
Low Wall Console	KNSAE181A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAE241A	Built-In	0	X	0	0	0	X	X	0	X
1-Way Ceiling Cassette	KNSAC091A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAC121A	Built-In	0	X	0	0	0	X	X	0	X
4-Way Ceiling Cassette	KNSAC181A	Built-In	0	X	0	0	0	X	X	0	X
	KNSAC241A	Built-In	0	X	0	0	0	X	X	0	X
Mid Static Ducted	KNSAC091B	Built-In	0	X	0	0	0	X	X	0	X
	KNSAC121B	Built-In	0	X	0	0	0	X	X	0	X
Multi-Position Air Handling Unit	KNUQB091A	0	0	0	0	0	0	0	0	0	0
	KNUQB121A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUFB091A	Built-In	0	0	0	0	0	0	0	0	0
	KNUFB121A	Built-In	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUFB181A	Built-In	0	0	0	0	0	0	0	0	0
	KNUDB091A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUDB121A	0	0	0	0	0	0	0	0	0	0
	KNUDB181A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSCB241A	0	0	0	0	0	0	0	0	0	0
	KNSCB301A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSCB361A	0	0	0	0	0	0	0	0	0	0
	KNSCB421A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSCB481A	0	0	0	0	0	0	0	0	0	0
	KNUJB091A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUJB121A	0	0	0	0	0	0	0	0	0	0
	KNUJB181A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUJB241A	0	0	0	0	0	0	0	0	0	0
	KNUJB301A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNUJB361A	0	0	0	0	0	0	0	0	0	0
	KNSJB421A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSJB481A	0	0	0	0	0	0	0	0	0	0
	KNSLB181A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLB241A	0	0	0	0	0	0	0	0	0	0
	KNSLB301A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLB361A	0	0	0	0	0	0	0	0	0	0
	KNSLB421A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLB481A	0	0	0	0	0	0	0	0	0	0
	KNSLB601A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLE182A	0	0	0	0	0	0	0	0	0	0
	KNSLE242A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLE302A	0	0	0	0	0	0	0	0	0	0
	KNSLE362A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLE422A	0	0	0	0	0	0	0	0	0	0
	KNSLE482A	0	0	0	0	0	0	0	0	0	0
Multi-Position Air Handling Unit	KNSLE602A	0	0	0	0	0	0	0	0	0	0

"0" in a cell indicates available; "X" indicates not available/applicable. Some IDUs have only a control wire terminal block (for field supplied control wire), while other IDUs have both a Molex connector (for LG control cable) and a control wire terminal block. See IDU engineering manual or installation manual for details.

Due to our commitment to continued innovation, some specifications may be changed without notification.

LonWorks module requires the MultiSITE Communications Manager (PBACNBTR0A) or the MultiSITE VM3 Controller (PBACNBTR1A).

# Multi-Zone Indoor Controls and Accessories Compatibility

Multi-Zone		 Wi-Fi Module w/ Cable	 LG MultiSITE™ Remote Controllers	 Simple Controller	 Standard III Wired Remote Controller	 Deluxe Wired Remote Controller	 Dry Contact	 Remote Temp Button Sensor	 Group Control	 Cable Extension	 Aux Heater Relay Kit	 Aux Heater Relay Kit
		PVFMDD200	PREMTBVC (2/3/4)	PREMTC00U	PREMTB101 PREMTB811	PREMTA201	PDRYCB (100/320/400)	ZRTBS01	PZCWRCG3	PZCWRC1	PRARS1	PRARH(0,1)
High Efficiency	KNMAB071A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNUAB091A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNUAB121A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNMAB151A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNUAB181A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNMAB241A	Built-In	O	X	O	O	O	X	O	O	O	X
ARTCOOL™ Mirror	KNUAK091A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNUAK121A	Built-In	O	X	O	O	O	X	O	O	O	X
	KNUAK181A	Built-In	O	X	O	O	O	X	O	O	O	X
Low Wall Console	KNUQB091A	O	O	O	O	O	O	O	O	O	X	O
	KNUQB121A	O	O	O	O	O	O	O	O	O	X	O
	KNMQB151A	O	O	O	O	O	O	O	O	O	X	O
1-Way Ceiling Cassette	KNMFB071A	Built-In	O	O	O	O	O	O	O	O	X	O
	KNUFB091A	Built-In	O	O	O	O	O	O	O	O	X	O
	KNUFB121A	Built-In	O	O	O	O	O	O	O	O	X	O
	KNUFB181A	Built-In	O	O	O	O	O	O	O	O	X	O
4-Way Ceiling Cassette	KNMDB071A	O	O	O	O	O	O	O	O	O	X	O
	KNMDB091A	O	O	O	O	O	O	O	O	O	X	O
	KNMDB121A	O	O	O	O	O	O	O	O	O	X	O
	KNMDB181A	O	O	O	O	O	O	O	O	O	X	O
Low Static Ducted	KNMKB091A	O	O	O	O	O	O	O	O	O	X	O
	KNMKB121A	O	O	O	O	O	O	O	O	O	X	O
	KNMKB181A	O	O	O	O	O	O	O	O	O	X	O
Mid Static Ducted	KNUJB091A	O	O	O	O	O	O	O	O	O	X	O
	KNUJB121A	O	O	O	O	O	O	O	O	O	X	O
	KNUJB181A	O	O	O	O	O	O	O	O	O	X	O
	KNUJB241A	O	O	O	O	O	O	O	O	O	X	O
	KNUJB301A	O	O	O	O	O	O	O	O	O	X	O
	KNUJB361A	O	O	O	O	O	O	O	O	O	X	O
Multi-Position Air Handling Unit	KNMLB121A	O	O	O	O	O	O	O	O	O	X	O
	KNMLB181A	O	O	O	O	O	O	O	O	O	X	O
	KNMLB241A	O	O	O	O	O	O	O	O	O	X	O
	KNMLB301A	O	O	O	O	O	O	O	O	O	X	O
	KNMLB361A	O	O	O	O	O	O	O	O	O	X	O

**Note:**

"O" in a cell indicates available; "X" indicates not available/applicable. Some IDUs have only a control wire terminal block (for field supplied control wire), while other IDUs have both a Molex connector (for LG control cable) and a control wire terminal block. See IDU engineering manual or installation manual for details.

Emergency Heat function is not available with Aux Heat Relay Kit

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Outdoor Controls and Accessories Compatibility

## Single-Zone Outdoor Accessories and Service Accessories



Single Zone		PI-485 for ODU	PDI Premium	Central Control Integration Solution	LG MultiSITE™ Communications Manager	LonWorks Module <sup>1</sup>	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41	PACS5A000	PBACNBTR0A	ZHWLONWK0	PLGMVW100	PRCTI0
High Efficiency ARTCOOL™ Mirror	KUSAB091A	O	O	O	O	O	O	O
	KUSAB121A	O	O	O	O	O	O	O
	KUSAB181A	O	O	O	O	O	O	O
ARTCOOL™ Premier	KUSAL091A	O	O	O	O	O	O	O
	KUSAL121A	O	O	O	O	O	O	O
	KUSAL151A	O	O	O	O	O	O	O
	KUSAL181A	O	O	O	O	O	O	O
	KUSAL241A	O	O	O	O	O	O	O
Extended Piping	KUSAP241A	O	O	O	O	O	O	O
	KUSAP301A	O	O	O	O	O	O	O
	KUSAP361A	O	O	O	O	O	O	O
Standard Efficiency	KUSAE091A	X	X	X	X	X	O	O
	KUSAE121A	X	X	X	X	X	O	O
	KUSAE181A	X	X	X	X	X	O	O
	KUSAE241A	X	X	X	X	X	O	O
Mega	KUSAC091A	X	X	X	X	X	O	O
	KUSAC121A	X	X	X	X	X	O	O
	KUSAC181A	X	X	X	X	X	O	O
	KUSAC241A	X	X	X	X	X	O	O
	KUSAC091B	X	X	X	X	X	O	O
	KUSAC121B	X	X	X	X	X	O	O
Low Wall Console 4-Way Ceiling Cassette Mid Static Ducted High Static Ducted Multi-Position Air Handling Unit	KUSXB091A	O	O	O	O	O	O	O
	KUSXB121A	O	O	O	O	O	O	O
	KUSXB181A	O	O	O	O	O	O	O
	KUSXB241A	O	O	O	O	O	O	O
	KUSXB301A	O	O	O	O	O	O	O
	KUSXB361A	O	O	O	O	O	O	O
	KUSXB421A	O	O	O	O	O	O	O
	KUSXB481A	O	O	O	O	O	O	O
High Static Ducted	KUSXA181A	O	O	O	O	O	O	O
	KUSXA241A	O	O	O	O	O	O	O
	KUSXA301A	O	O	O	O	O	O	O
	KUSXA361A	O	O	O	O	O	O	O
Multi-Position Air Handling Unit	KUSXA421A	O	O	O	O	O	O	O
	KUSXA481A	O	O	O	O	O	O	O

Note:

"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable.

<sup>1</sup>LonWorks module requires the LG MultiSITE™ Communications Manager (PBACNBTR0A).

Due to our commitment to continued innovation, some specifications may be changed without notification.

# Outdoor Controls and Accessories Compatibility

## Multi-Zone Outdoor Accessories and Service Accessories



Multi-Zone		PI-485 for ODU	PDI Premium	Central Control Integration Solution	LG MultiSITE™ Communications Manager	LG MultiSITE™ VM3	LonWorks® Module¹	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41	PACSSA000	PBACNBTR0A	PBACNBTR1B	ZHWLONWK0	PLGMVW100	PRCTI0
Multi F	KUMXB181A	O	O	O	O	O	O	O	O
	KUMXA181A	O	O	O	O	O	O	O	O
	KUMXB241A	O	O	O	O	O	O	O	O
	KUMXA241A	O	O	O	O	O	O	O	O
	KUMXB301A	O	O	O	O	O	O	O	O
	KUMXA301A	O	O	O	O	O	O	O	O
	KUMXB361A	O	O	O	O	O	O	O	O
Multi F Max	KUMXA361A	O	O	O	O	O	O	O	O
	KUMXA421A	O	O	O	O	O	O	O	O
	KUMXA481A	O	O	O	O	O	O	O	O
	KUMXB481A	O	O	O	O	O	O	O	O
	KUMXB541A	O	O	O	O	O	O	O	O
	KUMXB601A	O	O	O	O	O	O	O	O

**Note:**

"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable. IDUs shown compatible with wired Premium Remote Controller are compatible with all LG wired controllers. Some IDUs have only a control wire terminal block (for field supplied control wire), while other IDUs have both a Molex connector (for LG control cable) and a control wire terminal block. See IDU engineering manual or installation manual for details.

LonWorks module requires the LG MultiSITE™ Communications Manager (PBACNBTR0A) or the LG MultiSITE™ VM3 Controller (PBACNBTR1B)

Due to our commitment to continued innovation, some specifications may be changed without notification.



## Single-Zone Solutions

Product	System	Indoor	Outdoor	AHRI	SEER2	EER2	HSPF2	Energy Star	Energy Star Cold Climate
Mega 115V	KSSAC091B	KNSAC091B	KUSAC091B	214931170	21	12.5	9.2	Yes	Yes
	KSSAC121B	KNSAC121B	KUSAC121B	214931172	20	12.3	9	Yes	Yes
Standard Efficiency	KSSAE091A	KNSAE091A	KUSAE091A	214931165	18	12	8.7	Yes	No
	KSSAE121A	KNSAE121A	KUSAE121A	214931166	18	12	8.5	Yes	No
	KSSAE181A	KNSAE181A	KUSAE181A	214931167	18	12	8.9	Yes	No
	KSSAE241A	KNSAE241A	KUSAE241A	214931169	18	12	8.3	Yes	No
Mega	KSSAC091A	KNSAC091A	KUSAC091A	214931158	21	12.5	9.2	Yes	Yes
	KSSAC121A	KNSAC121A	KUSAC121A	214931160	20	12.3	9	Yes	Yes
	KSSAC181A	KNSAC181A	KUSAC181A	214931161	21	12.5	9.4	Yes	Yes
	KSSAC241A	KNSAC241A	KUSAC241A	214931163	20	12.3	8.8	Yes	No
ARTCOOL™ Deluxe	KSSAL091A	KNSAL091A	KUSAL091A	216368959	27	15.8	13.5	Yes	Yes
	KSSAL121A	KNSAL121A	KUSAL121A	216368960	25.5	13.8	11.2	Yes	Yes
ARTCOOL™ Premier	KSSAL151A	KNSAL151A	KUSAL151A	215828274	25	15	11.2	Yes	Yes
	KSSAL181A	KNSAL181A	KUSAL181A	215828275	24	14.4	11	Yes	Yes
	KSSAL241A	KNSAL241A	KUSAL241A	215828273	23	13	10.2	Yes	Yes
ARTCOOL™ Mirror	KSUAK091A	KNUAK091A	KUSAB091A	215413006	23.8	14.95	10.9	Yes	Yes
	KSUAK121A	KNUAK121A	KUSAB121A	215413008	22.5	12.8	10.5	Yes	Yes
	KSUAK181A	KNUAK181A	KUSAB181A	215413010	23	13	10	Yes	Yes
High Efficiency	KSUAB091A	KNUAB091A	KUSAB091A	215413005	23.8	14.95	10.9	Yes	Yes
	KSUAB121A	KNUAB121A	KUSAB121A	215413007	22.5	12.8	10.5	Yes	Yes
	KSUAB181A	KNUAB181A	KUSAB181A	215413009	23	13	10	Yes	Yes
Extended Piping	KSSAP241A	KNSAP241A	KUSAP241A	215828272	22	13	9.7	Yes	Yes
	KSSAP301A	KNSAP301A	KUSAP301A	215735331	21	11.3	8.5	No	No
	KSSAP361A	KNSAP361A	KUSAP361A	215735332	20	10	8.5	No	No
1-Way Ceiling Cassette	KSUFB091A	KNUFB091A	KUSXB091A	216778959	20.2	12.6	10.4	Yes	Yes
	KSUFB121A	KNUFB121A	KUSXB121A	216778958	21.7	12.2	10.1	Yes	Yes
	KSUFB181A	KNUFB181A	KUSXB181A	216778957	20.5	12.2	9.5	Yes	Yes
4-Way Ceiling Cassette	KSUDB091A	KNUDB091A	KUSXB091A	214826530	22.2	13.9	10	Yes	Yes
	KSUDB121A	KNUDB121A	KUSXB121A	214826533	21.5	13	10.1	Yes	Yes
	KSUDB181A	KNUDB181A	KUSXB181A	214825952	20.5	13.2	9.5	Yes	Yes
	KSSCB241A	KNSCB241A	KUSXB241A	214825955	21	13	10.2	Yes	Yes
	KSSCB301A	KNSCB301A	KUSXB301A	214825956	21	12.1	10	Yes	Yes
	KSSCB361A	KNSCB361A	KUSXB361A	214837925	22	13	10.3	Yes	Yes
	KSSCB421A	KNSCB421A	KUSXB421A	214837927	21	13.2	10.8	Yes	Yes
	KSSCB481A	KNSCB481A	KUSXB481A	214836842	21.2	12.1	10.4	Yes	Yes
Low Wall Console	KSUQB091A	KNUQB091A	KUSXB091A	214826532	20	13.2	10.6	Yes	Yes
	KSUQB121A	KNUQB121A	KUSXB121A	214825951	19.7	13	10.5	Yes	Yes
Mid Static Ducted	KSUJB091A	KNUJB091A	KUSXB091A	214826531	16.4	12.2	10.4	Yes	Yes
	KSUJB121A	KNUJB121A	KUSXB121A	214826534	16.4	12	10.5	Yes	Yes
	KSUJB181A	KNUJB181A	KUSXB181A	214796352	17.5	12.4	9.2	Yes	Yes
	KSUJB241A	KNUJB241A	KUSXB241A	214796353	17	11.8	9.5	Yes	Yes
	KSUJB301A	KNUJB301A	KUSXB301A	214796354	18.5	11.7	9.4	Yes	Yes
	KSUJB361A	KNUJB361A	KUSXB361A	214837929	19	12.3	9.5	Yes	Yes
	KSSJB421A	KNSJB421A	KUSXB421A	214825958	18.3	12	9	Yes	Yes
	KSSJB481A	KNSJB481A	KUSXB481A	214836843	17.5	11.7	9.1	Yes	Yes
A-Coil	KSSMB18AA	LKMMA18A1	KUSXB181A	216445243	15	11.5	8.1	No	No
	KSSMB18BA	LKMMA18B1	KUSXB181A	216445244	15.2	11.7	8.1	Yes	Yes
	KSSMB24BA	LKMMA24B1	KUSXB241A	216445245	15.2	11.7	8.5	Yes	Yes
	KSSMB30BA	LKMMA30B1	KUSXB301A	216445246	15	10	8.3	No	No
	KSSMB36BA	LKMMA36B1	KUSXB361A	216445247	15.2	11.7	8.4	Yes	Yes
	KSSMB36CA	LKMMA36C1	KUSXB361A	216445248	15.5	11.7	8.5	Yes	Yes
	KSSMB42CA	LKMMA42C1	KUSXB421A	216445249	15.2	11.7	8.5	Yes	Yes
	KSSMB48CA	LKMMA48C1	KUSXB481A	216445250	15.2	10.5	8.3	No	Yes
	KSSMB48DA	LKMMA48D1	KUSXB481A	216445251	15.5	11	8.5	Yes	Yes
	KSSMB49CA	LKMMA48C1	KUSXB601A	216445263	15.9	11.7	8.9	Yes	Yes
	KSSMB60CA	LKMMA60C1	KUSXB601A	216445252	15.2	10.5	8.5	No	Yes
	KSSMB60DA	LKMMA60D1	KUSXB601A	216445253	15.5	10.7	9	No	Yes

## Single-Zone Solutions

Product	System	Indoor	Outdoor	AHRI	SEER2	EER2	HSPF2	Energy Star	Energy Star Cold Climate
Multi-Position Air Handling Unit	KSSLB121A	KNSLB121A	KUSXB121A	217284945	17	12.2	9.5	Yes	Yes
	KSSLB181A	KNSLB181A	KUSXB181A	217284911	17.5	13.5	10	Yes	Yes
	KSSLB241A	KNSLB241A	KUSXB241A	217284912	17.5	12	9.7	Yes	Yes
	KSSLB301A	KNSLB301A	KUSXB301A	217284913	17	11.7	9.6	Yes	Yes
	KSSLB361A	KNSLB361A	KUSXB361A	217284914	17.5	11.8	9.5	Yes	Yes
	KSSLB421A	KNSLB421A	KUSXB421A	217284915	18	11.7	9.5	Yes	Yes
	KSSLB481A	KNSLB481A	KUSXB481A	217284916	18	11.7	9.4	Yes	Yes
Multi-Position Air Handling Unit CV	KSSLB601A	KNSLB601A	KUSXB601A	217284917	17.5	12	9.4	Yes	Yes
	KSSLE182A	KNSLE182A	KUSXE181A	217559570	16	9.8	8.5	No	No
	KSSLE242A	KNSLE242A	KUSXE241A	217559571	16	10	8.5	No	No
	KSSLE302A	KNSLE302A	KUSXE301A	217559572	16	10	8.5	No	No
	KSSLE362A	KNSLE362A	KUSXE361A	217559573	16	9.8	8.5	No	No
	KSSLE422A	KNSLE422A	KUSXE421A	217559574	16	8.2	8.5	No	No
	KSSLE482A	KNSLE482A	KUSXE481A	217559575	16	10	8.5	No	No
	KSSLE602A	KNSLE602A	KUSXE601A	217559576	16	10	8.5	No	No

## Single-Zone Solutions with LGRED®

Product	System	Indoor	Outdoor	AHRI	SEER2	EER2	HSPF2	Energy Star	Energy Star Cold Climate
LGRED® 1-Way Ceiling Cassette	KSUFA181A	KNUFB181A	KUSXA181A	216592037	20	12.5	9.5	Yes	Yes
LGRED® 4-Way Ceiling Cassette	KSUDA181A	KNUDB181A	KUSXA181A	214825952	20.5	13.2	9.5	Yes	Yes
	KSSCA241A	KNSCB241A	KUSXA241A	214825954	22	13	10.5	Yes	Yes
	KSSCA301A	KNSCB301A	KUSXA301A	214826535	25	15.2	10.4	Yes	Yes
	KSSCA361A	KNSCB361A	KUSXA361A	214825957	23.5	13.7	10.5	Yes	Yes
	KSSCA421A	KNSCB421A	KUSXA421A	214837930	21.5	13.5	10.8	Yes	Yes
	KSSCA481A	KNSCB481A	KUSXA481A	214837933	20.8	12.7	10.6	Yes	Yes
LGRED® Mid Static Duct	KSUJA181A	KNUJB181A	KUSXA181A	214796350	17.5	12.4	9.2	Yes	Yes
	KSUJA241A	KNUJB241A	KUSXA241A	214796351	17	11.8	9.5	Yes	Yes
	KSUJA301A	KNUJB301A	KUSXA301A	214837928	18.8	13.5	9.5	Yes	Yes
	KSUJA361A	KNUJB361A	KUSXA361A	214837929	19	12.3	9.5	Yes	Yes
	KSSJA421A	KNSJB421A	KUSXA421A	214837932	18.8	12.6	9.4	Yes	Yes
	KSSJA481A	KNSJB481A	KUSXA481A	214837931	17.8	12	9.3	Yes	Yes
LGRED® A-Coil	KSSMA18AA	LKMMA18A1	KUSXA181A	216445254	15.2	11.5	8.1	Yes	Yes
	KSSMA18BA	LKMMA18B1	KUSXA181A	216445255	15.2	11.5	8.1	Yes	Yes
	KSSMA24BA	LKMMA24B1	KUSXA241A	216445256	15	11	8.6	No	No
	KSSMA25BA	LKMMA24B1	KUSXA301A	216445264	15.5	11.7	8.8	Yes	Yes
	KSSMA30BA	LKMMA30B1	KUSXA301A	216445257	15.7	11.8	8.8	Yes	Yes
	KSSMA36BA	LKMMA36B1	KUSXA361A	216445258	15.5	11.7	8.9	Yes	Yes
	KSSMA36CA	LKMMA36C1	KUSXA361A	216445259	16	11.7	8.9	Yes	Yes
	KSSMA42CA	LKMMA42C1	KUSXA422A	216445260	16	11.9	8.9	Yes	Yes
	KSSMA48CA	LKMMA48C1	KUSXA482A	216445261	15.9	11.7	8.9	Yes	Yes
LGRED® Multi-Position Air Handling Unit	KSSMA48DA	LKMMA48D1	KUSXA482A	216445262	16.1	11.7	9.1	Yes	Yes
	KSSLA121A	KNSLB121A	KUSXA121A	217284944	17	13.3	9.8	Yes	Yes
	KSSLA181A	KNSLA181A	KUSXA181A	217284907	18	13.5	10	Yes	Yes
	KSSLA241A	KNSLA241A	KUSXA241A	217284908	17.5	12.5	10	Yes	Yes
	KSSLA301A	KNSLA301A	KUSXA301A	217284909	18.2	13.5	9.8	Yes	Yes
	KSSLA361A	KNSLA361A	KUSXA361A	217284910	18.2	13	9.6	Yes	Yes
	KSSLA421A	KNSLB421A	KUSXA422A	217284918	19	12.5	9.8	Yes	Yes
	KSSLA481A	KNSLB481A	KUSXA482A	217284919	19	12.3	9.6	Yes	Yes

## Multi-Zone Solutions

Multi F	Outdoor	AHRI	SEER2	EER2	HSPF2	Energy Star	Energy Star Cold Climate
18MBH	KUMXB181A Non-Ducted Combination	214848481	22.5	13.5	9.8	Yes	No
	KUMXB181A Mixed Combination	214848485	20.5	13	9.4	Yes	No
	KUMXB181A Ducted Combination	214848482	18.5	12.5	9	Yes	No
24MBH	KUMXB241A Non-Ducted Combination	214848486	20.5	12.5	9.4	Yes	No
	KUMXB241A Mixed Combination	214848486	20.5	12.5	9.4	Yes	No
	KUMXB241A Ducted Combination	214848484	18.5	12.5	9	Yes	No
30MBH	KUMXB301A Non-Ducted Combination	215402335	22	13	9.5	Yes	No
	KUMXB301A Mixed Combination	215408629	20.25	12.5	9.15	Yes	No
	KUMXB301A Ducted Combination	215402336	18.5	12	8.8	Yes	No
36MBH	KUMXB361A Non-Ducted Combination	215402337	21.5	12.5	9.5	Yes	No
	KUMXB361A Mixed Combination	215408630	19.75	12.1	9.05	Yes	No
	KUMXB361A Ducted Combination	215402338	18	11.7	8.6	Yes	No
48MBH	KUMXB481A Non-Ducted Combination	215402339	20.5	12.8	9.5	Yes	No
	KUMXB481A Mixed Combination	215408631	19.75	12.7	9.5	Yes	No
	KUMXB481A Ducted Combination	215402340	19	12.6	9.5	Yes	No
54MBH	KUMXB541A Non-Ducted Combination	215402341	20.6	12.6	9.5	Yes	No
	KUMXB541A Mixed Combination	215408632	19.55	12.55	9.4	Yes	No
	KUMXB541A Ducted Combination	215402342	18.5	12.5	9.3	Yes	No
60MBH	KUMXB601A Non-Ducted Combination	215402343	20.5	12	10	Yes	No
	KUMXB601A Mixed Combination	215408633	19.5	11.85	9.75	Yes	No
	KUMXB601A Ducted Combination	215402344	18.5	11.7	9.5	Yes	No

## Multi-Zone Solutions with LGRED°

Multi F LGRED°	System	AHRI	SEER2	EER2	HSPF2	Energy Star	Energy Star Cold Climate
18MBH	KUMXA181A Non-Ducted Combination	214848473	20	13.5	9.8	Yes	Yes
	KUMXA181A Mixed Combination	214848479	18.5	12.75	9.4	Yes	Yes
	KUMXA181A Ducted Combination	214848474	17	12	9	Yes	Yes
24MBH	KUMXA241A Non-Ducted Combination	214848475	21	13.5	9.8	Yes	Yes
	KUMXA241A Mixed Combination	214848480	19.75	13	9.65	Yes	Yes
	KUMXA241A Ducted Combination	214848476	18.5	12.5	9.5	Yes	Yes
30MBH	KUMXA301A Non-Ducted Combination	214848477	20	12.5	9.8	Yes	Yes
	KUMXA301A Mixed Combination	214848487	19.25	12.1	9.65	Yes	Yes
	KUMXA301A Ducted Combination	214848478	18.5	11.7	9.5	Yes	Yes
36MBH	KUMXA361A Non-Ducted Combination	215402345	22	14.5	11	Yes	Yes
	KUMXA361A Mixed Combination	215408634	20.5	14	10.5	Yes	Yes
	KUMXA361A Ducted Combination	215402346	19	13.5	10	Yes	Yes
42MBH	KUMXA421A Non-Ducted Combination	215402347	21.5	13.8	11	Yes	Yes
	KUMXA421A Mixed Combination	215408635	20.25	13.45	10.5	Yes	Yes
	KUMXA421A Ducted Combination	215402348	19	13.1	10	Yes	Yes
48MBH	KUMXA481A Non-Ducted Combination	215408636	20.5	13.1	10.5	Yes	Yes
	KUMXA481A Mixed Combination	215408638	19.5	12.85	10.25	Yes	Yes
	KUMXA481A Ducted Combination	215408637	18.5	12.6	10	Yes	Yes



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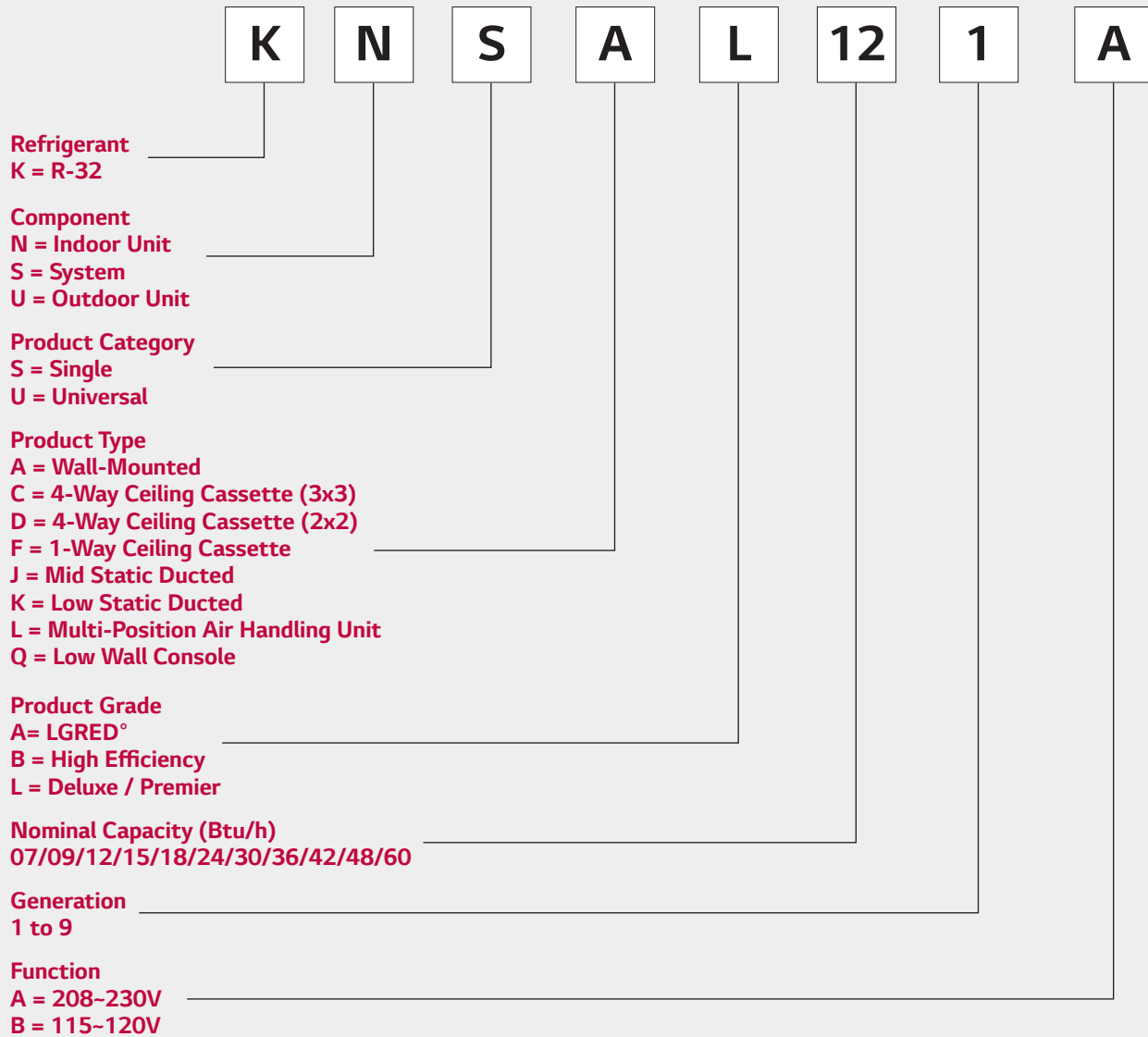
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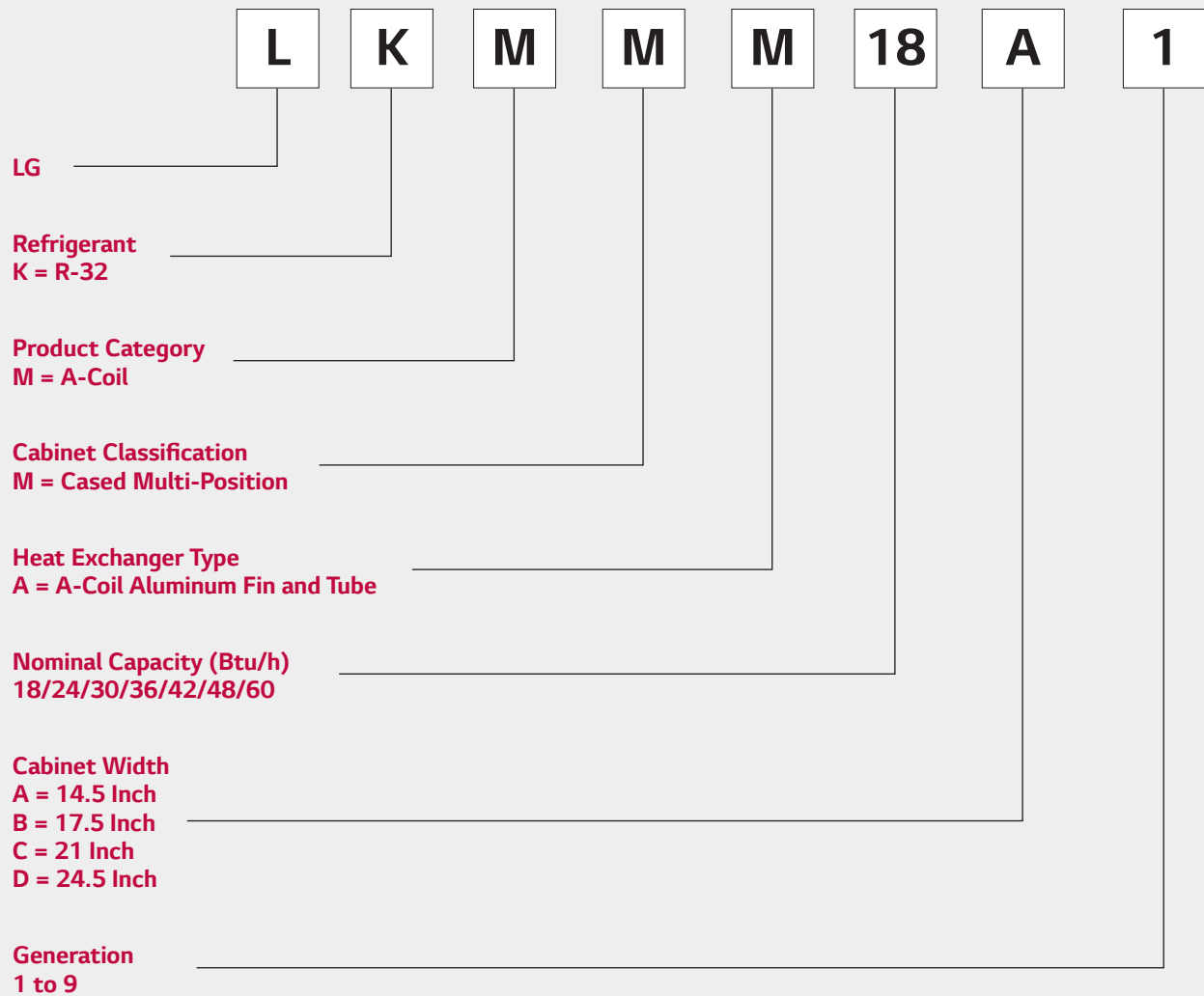
# How to Read LG Model Numbers

## Single- and Multi-Zone – Indoor and Outdoor



# How to Read LG Model Numbers


## A-Coil Indoor











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