LG
Life's Good

RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

LG Air Conditioning Technologies

ABOUT LG

About LG Electronics USA

LG Electronics is a global innovator in technology and consumer electronics with a presence in almost every country and an international workforce of more than 75,000. LG's four companies – Home Appliance & Air Solution, Home Entertainment, Vehicle component Solutions and Business Solutions – combined for global sales of over USD 63 billion in 2021. LG is a leading manufacturer of consumer and commercial products ranging from TVs, home appliances, air solutions, monitors, service robots, automotive components and its premium LG SIGNATURE and intelligent LG ThinQ brands are familiar names world over.
Please visit www.lg.com.

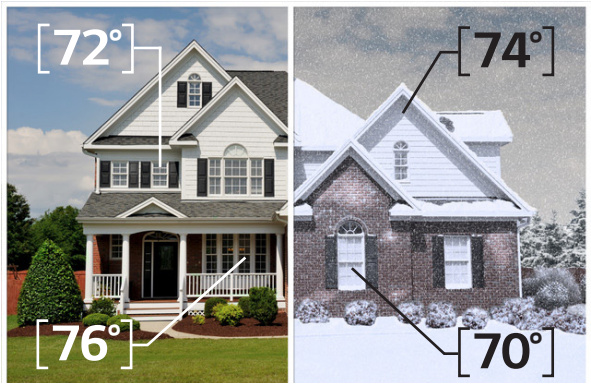
LG Electronics USA Air Conditioning Technologies

The LG Electronics USA Air Conditioning Technologies business is based in Alpharetta, Georgia. LG is a leading player in the global air conditioning market, manufacturing both commercial and residential air conditioners and providing total sustainability 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, and air conditioning. Visit www.lghvac.com for more information.

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

LG air conditioning systems are THE smart alternative to traditional air conditioning

For truly personalized comfort in all rooms, consider an LG Duct-Free Split air conditioning system. LG air conditioning systems make it easier to provide customized cooling and heating in every room without any bulky window units or costly ductwork, and with several indoor unit designs sure to match any décor, LG air conditioning systems can be right for every job.



Our Commitment to You:

QUALITY LG air conditioning systems reflect our commitment to building high-quality products. Operating state-of-the-art research & development facilities across the globe, LG invests heavily to ensure we are combining the best technologies with the best ideas.

TRAINING With several LG training academies throughout the United States and even more regional academies, LG makes it easy to learn about LG systems and product applications.

PERFORMANCE LG makes a wide range of duct-free products with powerful cooling and heating capabilities while maintaining high energy efficiencies, quiet operation, and ease-of-use for personalization of comfort control for the end-user.

INNOVATION LG utilizes smart technology to enhance a homeowner's, and the technician's, experience in operating and providing routine maintenance or service on our air conditioning systems. Our continued efforts to look for the most innovative ideas in HVAC, with our commitment to building green technologies, ensures that we will continue to develop and bring to market smarter, more sustainable products.

DANIEL OST

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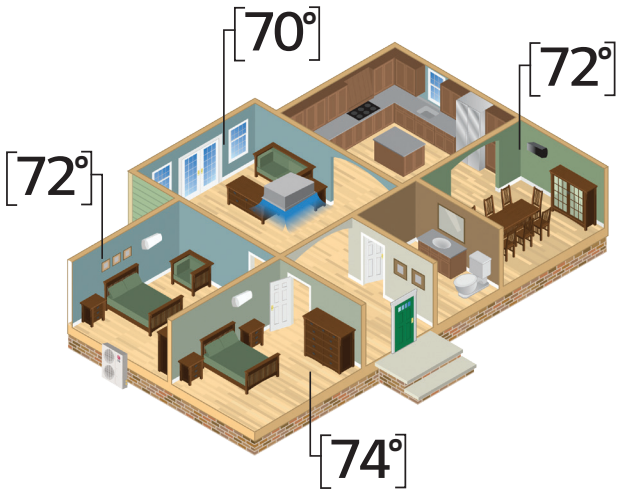
LG ADVANTAGES

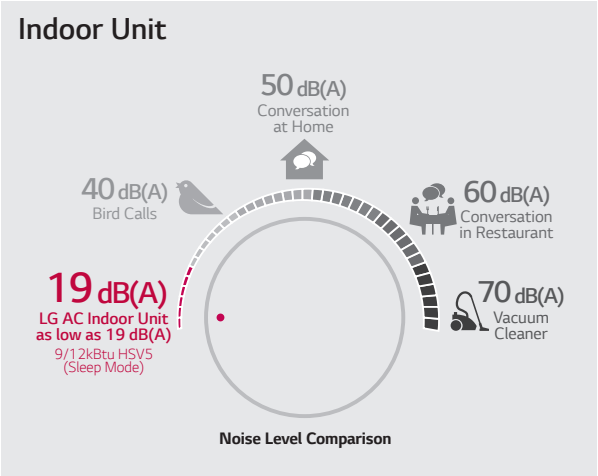
ROOM-BY-ROOM CONTROL

With a controller for each indoor unit, LG air conditioning systems offer precise temperature settings in each zone while maximizing energy usage by heating or cooling only the zones in use.



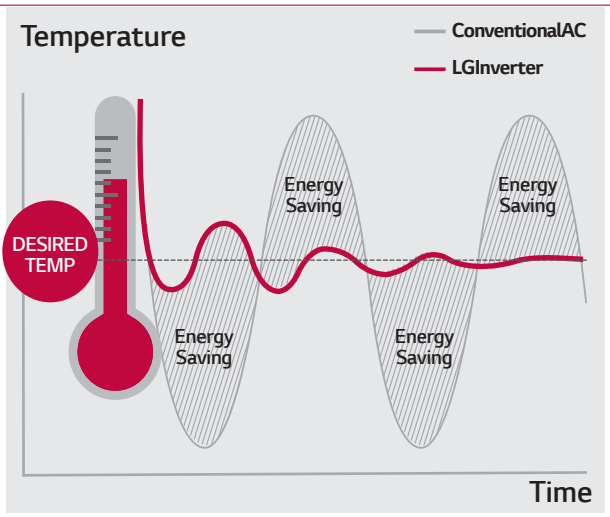
QUIET OPERATION

LG duct-free systems operate at low sound levels, thanks to LG's unique low-vibration compressor, and Brushless Direct Current (BLDC) motor technology that eliminates unnecessary noise and allows for smooth operation.



INVERTER TECHNOLOGY

Outdoor units with an inverter, variable-speed compressor use less energy and are measurably quieter than conventional air conditioning units. Unlike conventional systems that cycle on and off, an inverter compressor ramps up or down to match the capacity needed to maintain comfort levels selected by the homeowner within a conditioned zone.



LG ADVANTAGES

LG THINQ®

Whenever, wherever and no matter how many air conditioners you have, LG ThinQ® let you easily access and control your air conditioner from your compatible smart device.[1]

EASY INSTALLATION AND NO DUCTWORK

LG duct-free systems are designed for easier and more efficient installation. They require little to no ductwork, and most indoor units can mount on any wall. Installation requires only a small hole to be drilled in the wall. 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.

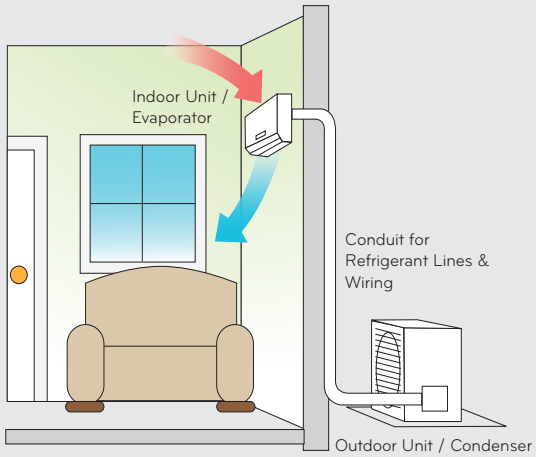


Diagram of a Single Zone System

AIR QUALITY

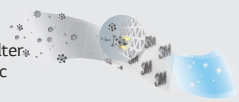
Select LG duct-free indoor units utilize 3M™ Micro Protection Filters which reduce dust and microscopic particles including pollen, pet dander and odors. Additional primary filters are washable and antifungal, reducing life-time operation costs. Wall mount indoor units also self-clean the coil to protect against mold growth.

Self-Cleaning Indoor Coil

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

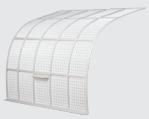
MICRO Dust Filter Powered by 3M Tech

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.



1. LG ThinQ® is only available for select models. See product details for full compatibility.
2. 3M™ is only available for select models. See product details for full compatibility.

TRAINING AND RECOGNITION

Training

The LG US Air Conditioning Technologies division is headquartered near Atlanta in Alpharetta, GA along with a full training academy. Additional LG Training Academies are located in California, Texas, New Jersey and Boston. Classes are taught by world-class trainers with years of experience in ductless technology with topics that cover everything from design and specification to installation and service.

For HVAC professionals, LG offers online instruction via our *Learning Management System* and classroom training at our training academies which are strategically placed throughout the country. 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 training.lghvac.com

Service and Design Tools

As part of our commitment to innovation, LG has developed innovative ways to enhance the service technician's experience during routine maintenance or service with these tools:

- **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 system design tool for LG Air Conditioning Technologies systems. Using drag and drop functionality, design your LG system quickly and let the system 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 system with LATS to save time.

LG AIR CONDITIONING TECHNOLOGIES Pro Dealer HVAC

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 Systems, 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**

INSTALLATION BEST PRACTICES

For jobs small to large, look for opportunities to use LG comfort systems everywhere! Explore the many applications of LG Single and Multi-Zone systems: whole home renovations, older system replacements, home additions, energy savings opportunities, hot or cold zones ... and many, many more!

System sizing and installation accuracy are key factors for the optimal performance of an LG comfort system. 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 system. 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 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

Installation and Service Tools:

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

KEY FEATURES

LGRED° HEAT TECHNOLOGY

Advanced technology that can exceed 100% of the rated heating capacity performance down to 5° F and continuous heating performance down to -13° F.

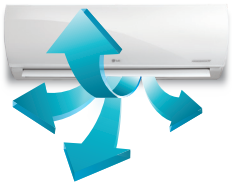
LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

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 quickly cool or heat a room.



Swirl Wind / Chaos Wind allows for customized louver and fan speed operation to create a stronger, wider airflow for reduced temperature stratification and to provide more natural air circulation.

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

Art Cool™ Gallery 3D Airflow uniquely provides three-directional airflow for more natural and effective air circulation.

GOLD FIN

Gold Fin™ Coating is an anticorrosion coating to help protect your system from corrosive elements, allowing the coil to maintain excellent heat transfer properties for an extended time.

DEFROST CONTROL

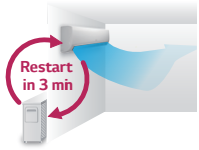
Removes frost from the outdoor coil when ambient outdoor temperatures are low and simultaneously shuts down the indoor fan to prevent cold air from being blown into the controlled space.

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.

AUTO RESTART

Automatically restarts the system after a power failure.



STYLISH DESIGN

LG air conditioning systems come in a variety of indoor units, including the Art Cool™ Gallery, which includes a panel that works like a customizable picture frame. For Multi F systems, choose from different capacities to match load demands appropriately while maintaining the aesthetic of any room's décor.

SINGLE ZONE SYSTEMS
Lineup

	Btu/h	9,000	12,000	15,000	18,000	24,000	30,000	36,000	42,000	48,000
Wall Mounted	ART COOL™ Mirror	LA090HSV5	LA120HSV5		LA180HSV5					
	ART COOL™ Premier	LA090HYV3	LA120HYV3	LA150HYV3	LA180HYV3	LA240HYV3				
	Extended Piping					LS243HLV3	LS303HLV3	LS363HLV3		
	High Efficiency	LS090HSV5	LS120HSV5		LS180HSV5					
	Standard Efficiency	LS090HFV3	LS120HFV3		LS180HFV3	LS240HFV3				
	Mega 208/230V	LS090HEV2	LS120HEV2		LS180HEV2	LS240HEV2				
	Mega 115V	LS090HXV2	LS120HXV2							
	Console	LQ090HV4	LQ120HV4							
Ceiling Mounted	Ceiling Cassette	LC098HV4	LC128HV4		LC188HV4 LC188HHV4	LC249HHV		LC369HHV	LC429HHV	LC489HHV
Ducted	High Static					LH248HV4 LH248HHV4		LH368HV4 LH368HHV4	LH428HHV	LH488HHV
	Low Static	LD097HV4	LD127HV4		LD187HV4 LD187HHV4					
	Vertical AHU				LV181HV4 LV181HHV4	LV241HV4 LV241HHV4		LV361HV4 LV361HHV4	LV420HV LV420HHV	LV480HV LV480HHV

ART COOL™ MIRROR

LA090HSV5
LA120HSV5
LA180HSV5

LG ThinQ®

Specification		Unit	LA090HSV5	LA120HSV5	LA180HSV5
	Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at 17°F	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at 5°F	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -4°F	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF		11.3	11.4	10.2
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	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps (Cool/Heat)	A	7.8/7.8	7.8/7.8	10.25/10.25
Operation Range	ODU Heating Operation Range	°F WB	-4 ~ 65	-4 ~ 65	-4 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		ZLABGP01A (0˚F)	ZLABGP01A (0˚F)	ZLABGP02A (0˚F)
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU 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
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (H/M/L)[5]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
	Outdoor Max	dB(A)	48	48	53
Piping[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent..

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

ART COOL™ PREMIER

LA090HYV3
LA120HYV3

LA150HYV3
LA180HYV3
LA240HYV3

LGRED°
LG ThinQ®

Specification		Unit	LA090HYV3	LA120HYV3	LA150HYV3	LA180HYV3	LA240HYV3
	Indoor Unit		LAN090HYV3	LAN120HYV3	LAN150HYV3	LAN180HYV3	LAN240HYV3
	Outdoor Unit		LAU090HYV3	LAU120HYV3	LAU150HYV3	LAU180HYV3	LAU240HYV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	15,000	18,000	22,000
	Cooling Capacity Range	Btu/h	1,023 ~ 13,000	1,023 ~ 13,785	3,070 ~ 21,000	3,070 ~ 29,515	3,070 ~ 30,000
	Rated Heating Capacity	Btu/h	11,000	13,600	18,000	21,600	26,000
	Heating Capacity Range	Btu/h	1,023 ~ 20,472	1,023 ~ 22,178	3,070 ~ 25,200	3,070 ~ 32,000	3,070 ~ 36,200
	Max Heating Capacity at 17°F	Btu/h	11,940	14,760	21,430	24,920	27,360
	Max Heating Capacity at 5°F	Btu/h	11,000	13,600	18,950	21,600	23,700
	Max Heating Capacity at -13°F	Btu/h	8,030	9,640	14,660	15,680	17,740
	SEER, EER		27.5, 15.79	25.5, 13.79	25, 15.00	24, 14.40	22.5, 13.00
	HSPF		13.5	12.5	13.5	13.0	12.5
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
	Voltage (ODU)	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	kW	0.57	0.87	1.0	1.25	1.692
	Heating Power Input	kW	0.71	0.97	1.125	1.543	2.08
	MCA, MOCP	A	11.2, 15	11.2, 15	19, 30	19, 30	19, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	9.1/9.1	9.1/9.1	15.31/15.31	15.31/15.31	15.31/15.31
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 65	-13 ~ 65	-13 ~ 65	-13 ~ 65	-13 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		ZLABGP03A (0˚F)	ZLABGP03A (0˚F)	ZLABGP04A (0˚F)	ZLABGP04A (0˚F)	ZLABGP04A (0˚F)
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	39-9/32x13-19/32x8-9/32	39-9/32x13-19/32x8-9/32	41-23/32x14-3/16x10-7/16	41-23/32x14-3/16x10-7/16	41-23/32x14-3/16x10-7/16
	ODU Dimensions (WxHxD)	in	34-1/4 x25-19/32x13	34-1/4x25-19/32x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13
Weight	IDU Weight (Net/Shipping)	lbs	25.1/29.5	25.1/29.5	37.7/45.6	37.7/45.6	37.7/45.6
	ODU Weight (Net/Shipping)	lbs	93.9/103.2	93.9/103.2	135.4/147.7	135.4/147.7	135.4/147.7
Unit Data	Airflow (H/M/L)[5]	CFM	530/424/353/184	530/424/353/184	813/601/495/389	813/601/495/389	813/601/495/389
	Dehumidification	pts/hr	3.17	3.59	3.80	4.65	4.65
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	42/36/26/22	42/36/26/22	49/44/40/30	49/44/40/30	49/44/40/30
	Outdoor Max	dB(A)	50	50	56	56	56
Piping[7]	Liquid Pipe	in	1/4	1/4	3/8	3/8	3/8
	Vapor Pipe	in	3/8	3/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	9.8/65.6	9.8/65.6	9.8/164	9.8/164	9.8/164
	Max Pipe Elevation	ft	39.4	39.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38	0.38
	Drain (OD, ID)	in	25/32, 19/32	25/32, 19/32	25/32, 19/32	25/32, 19/32	25/32, 19/32
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

[8] LGRED applies to 9~18MBH models

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

EXTENDED PIPING

LS243HLV3
LS303HLV3
LS363HLV3

LG ThinQ®

Specification		Unit	LS243HLV3	LS303HLV3	LS363HLV3
	Indoor Unit		LSN243HLV3	LSN303HLV3	LSN363HLV3
	Outdoor Unit		LSU243HLV3	LSU303HLV3	LSU363HLV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	22,000	30,000	33,000
	Cooling Capacity Range	Btu/h	3,070 ~ 30,000	3,070 ~ 34,000	3,070 ~ 34,000
	Rated Heating Capacity	Btu/h	26,000	32,400	35,200
	Heating Capacity Range	Btu/h	3,070 ~ 36,200	3,070 ~ 38,900	3,070 ~ 38,900
	Max Heating Capacity at 17°F	Btu/h	27,360	32,500	35,740
	Max Heating Capacity at 5°F	Btu/h	23,700	28,080	30,890
	Max Heating Capacity at -4°F	Btu/h	21,170	24,390	26,820
	SEER, EER	Btu/h	21.50, 13.00	20.00, 11.30	18.50, 10.00
	HSPF		12.00	11.50	11.00
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	kW	1.69	2.66	3.30
	Heating Power Input	kW	2.08	2.75	3.12
	MCA, MOCP	A	19.0, 30	23.0, 30	23.0, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	15. 1/15.31	15.85/15.85	15.85/15.85
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 65	-4 ~ 65	-4 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (0˚F)	ZLABGP04A (0˚F)	ZLABGP04A (0˚F)
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	41-23/32x14-3/16x10-7/16	47-1/4x14-3/16x10-7/16	47-1/4x14-3/16x10-7/16
	ODU Dimensions (WxHxD)	in	37-13/32x32-3/4x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13
Weight	IDU Weight (Net/Shipping)	lbs	36.6 / 44.5	40.8 / 48.9	40.8 / 48.9
	ODU Weight (Net/Shipping)	lbs	135.4 / 147.7	147.9 / 160.3	147.9 / 160.3
Unit Data	Airflow (Max/H/M/L)[5]	CFM	813/601/495/389	1,095/883/742/601	1,095/883/742/601
	Dehumidification	pts/hr	4.65	5.49	5.49
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	49/44/40/30	51/47/43/33	51/47/43/33
	Outdoor Max	dB(A)	56	58	58
Piping[7]	Liquid Pipe	in	3/8 Flare	3/8 Flare	3/8 Flare
	Vapor Pipe	in	5/8 Flare	5/8 Flare	5/8 Flare
	Pipe Length (Min/Max)	ft	9.8 / 164.0	9.8 / 164.0	9.8 / 164.0
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.38	0.38	0.38
	Drain (OD, ID)	in	25/32, 19/32	25/32, 19/32	25/32, 19/32
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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

HIGH EFFICIENCY

LG ThinQ®

LS090HSV5
LS120HSV5
LS180HSV5

Specification		Unit	LS090HSV5	LS120HSV5	LS180HSV5
	Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at 17°F	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at 5°F	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -4°F	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF		11.3	11.4	10.2
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	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps (Cool/Heat)	A	7.8/7.8	7.8/7.8	10.25/10.25
Operation Range	ODU Heating Operation Range	°F WB	-4 ~ 65	-4 ~ 65	-4 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		ZLABGP01A (0˚F)	ZLABGP01A (0˚F)	ZLABGP02A (0˚F)
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU 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	39-9/32 x 13-19/32 x 8-9/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (Max/H/M/L)[5]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
	Outdoor Max	dB(A)	48	48	53
Piping[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

Note:
[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
[2] 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). For capacity information, see engineering manual capacity tables.
[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.
[5] Airflow shown is in cooling mode.
[6] 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.
[7] Piping lengths are equivalent.
Due to our commitment to continued innovation, some specifications may be changed without notification.

STANDARD EFFICIENCY

LS090HFV3 LS180HFV3
LS120HFV3 LS240HFV3

Specification		Unit	LS090HFV3	LS120HFV3	LS180HFV3	LS240HFV3
	Indoor Unit		LSN090HFV3	LSN120HFV3	LSN180HFV3	LSN240HFV3
	Outdoor Unit		LSU090HFV3	LSU120HFV3	LSU180HFV3	LSU240HFV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000	22,000
	Cooling Capacity Range	Btu/h	3,070 ~ 10,330	3,070 ~ 13,780	3,685 ~ 18,493	3,685 ~ 24,000
	Rated Heating Capacity	Btu/h	10,900	12,000	19,000	22,000
	Heating Capacity Range	Btu/h	3,070 ~ 12,520	3,070 ~ 13,780	3,685 ~ 22,997	3,685 ~ 25,260
	Max Heating Capacity at 17°F	Btu/h	8,760	9,6	15,270	17,680
	SEER, EER		17.0, 10.98	17.0, 9.60	17.0, 10.91	17.0, 10.0
	HSPF		9.0	9.0	9.0	9.0
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	kW	.82	1.25	1.65	2.20
	Heating Power Input	kW	.95	1.05	1.74	2.025
	MCA, MOCP	A	10, 15	10, 15	15, 20	15, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	7.8/7.8	7.8/7.8	10.8/10.8	10.8/10.8
Operating Range	ODU Heating Operation Range	°F WB	14 ~ 65	14 ~ 65	14 ~ 65	14 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		No	No	No	No
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU 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	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	ODU Dimensions (WxHxD)	in	28-7/32 x 19-1/2 x 9-1/16	28-7/32x 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	19.2/25.4	19.2/25.4	26/30	26/30
	ODU Weight (Net/Shipping)	lbs	55.3/60	55.3/60	98.1/108	98.1/108
Unit Data	Airflow (H/M/L)[5]	CFM	459/353/264/148	459/353/264/148	689/512/459/371	689/512/459/371
	Dehumidification	pts/hr	2.32	2.75	3.38	4.86
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	42/36/28/21	42/36/28/21	48/43/38/32	48/43/38/32
	Outdoor Max	dB(A)	50	50	55	55
Piping[7]	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2	1/2
	Pipe Length (Min/Max)	ft	9.8/49.2	9.8/49.2	9.8/65.6	9.8/65.6
	Max Pipe Elevation	ft	23.0	23.0	32.8	32.8
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.26	0.26
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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MEGA

LS090HEV2 LS120HXV2
LS090HXV2 LS180HEV2
LS120HEV2 LS240HEV2

Specification		Unit	LS090HEV2	LS090HXV2	LS120HEV2	LS120HXV2	LS180HEV2	LS240HEV2
	Indoor Unit		LSN090HEV2	LSN090HXV2	LSN120HEV2	LSN120HXV2	LSN180HEV2	LSN240HEV2
	Outdoor Unit		LSU090HEV2	LSU090HXV2	LSU120HEV2	LSU120HXV2	LSU180HEV2	LSU240HEV2
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	9,000	12,000	12,000	18,000	22,000
	Cooling Capacity Range	Btu/h	3,070 ~ 10,330	3,070 ~ 10,330	3,070 ~ 13,780	3.070 ~ 13,780	3,685 ~ 18,493	3,685 ~ 24,000
	Rated Heating Capacity	Btu/h	10,900	10,900	12,000	12,000	19,000	22,000
	Heating Capacity Range	Btu/h	3,070 ~ 12,520	3,070 ~ 12,520	3,070 ~ 13,780	3,070 ~ 13,780	3,685 ~ 22,997	3,685 ~ 25,260
	Max Heating Capacity at 17°F	Btu/h	8,760	8,760	9,640	9,640	15,270	17,680
	SEER, EER		20.0, 12.5	20.0, 12.3	19.0, 10.51	19.0, 10.5	19.0, 12.0	19.0, 11.0
	HSPF		10.0	10.0	9.5	9.5	10.0	9.5
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1	115, 60, 1	208/230, 60, 1	115, 60, 1	208/230, 60, 1	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1	115, 60, 1	208/230, 60, 1	115, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.72	0.73	1.14	1.14	1.50	2.00
	Heating Power Input	kW	0.88	0.88	1.00	1.00	1.58	1.93
	MCA, MOCP	A	10, 15	15, 25	10, 15	15, 25	15, 20	15, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	7.8/7.8	11.8/11.8	7.8/7.8	11.8/11.8	10.8/10.8	10.8/10.8
Operating Range	ODU Heating Operation Range	°F WB	14 ~ 65	14 ~ 65	14 ~ 65	14 ~ 65	14 ~ 65	14 ~ 65
	ODU Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[4]		No	No	No	No	No	No
	IDU Operation Range Cooling	°F WB	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75	53 ~ 75
	IDU Operation Range Heating	°F DB	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Cooling	°F	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86	64 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU 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
	ODU Dimensions (WxHxD)	in	28-7/32 x 19-1/2 x 9-1/16	28-7/32 x 19-1/2 x 9-1/16	28-7/32x 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	19.2/25.4	19.2/22	19.2/25.4	19.2/22	26/30	26/30
	ODU Weight (Net/Shipping)	lbs	55.3/60	58.4/60	55.3/60	58.4/60	98.1/108	98.1/108
Unit Data	Airflow (H/M/L)[5]	CFM	459/353/264/148	459/353/264/148	459/353/264/148	459/353/264/148	689/512/459/371	689/512/459/371
	Dehumidification	pts/hr	2.32	2.32	2.75	2.75	3.38	4.86
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	42/36/28/21	42/36/28/21	42/36/28/21	42/36/28/21	48/43/38/32	48/43/38/32
	Outdoor Max	dB(A)	50	50	50	50	55	55
Piping[7]	Liquid Pipe	in	1/4	1/4	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	3/8	1/2	1/2
	Pipe Length (Min/Max)	ft	9.8/49.2	9.8/49.2	9.8/49.2	9.8/49.2	9.8/65.6	9.8/65.6
	Max Pipe Elevation	ft	23.0	23.0	23.0	23.0	32.8	32.8
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22	0.26	0.26
	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
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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

CONSOLE

LQ090HV4
LQ120HV4

LG ThinQ®

Specification		Unit	LQ090HV4	LQ120HV4
	Indoor Unit		LQN090HV4	LQN120HV4
	Outdoor Unit		LUU097HV	LUU127HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	10,200
	Cooling Capacity Range	Btu/h	4,270 ~ 11,500	4,500 ~ 13,460
	Rated Heating Capacity	Btu/h	10,100	13,000
	Heating Capacity Range	Btu/h	4,600 ~ 13,000	5,970 ~ 15,000
	Max Heating Capacity at 17°F	Btu/h	10,640	12,080
	Max Heating Capacity at 5°F	Btu/h	10,000	11,000
	Max Heating Capacity at -4°F	Btu/h	9,380	9,950
	SEER, EER		21, 12.6	20.8, 12.6
	HSPF		10.4	10.2
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	kW	0.714	0.809
	Heating Power Input	kW	0.85	1.225
	MCA, MOCP	A	11.9, 15	12.3, 15
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	9.95/9.95	9.95/9.95
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64
	ODU Cooling Operation Range	°F DB	0 ~ 118	0 ~ 118
	Optional Wind Baffle[4]	Yes	ZLABGP01A (-4˚F)	ZLABGP01A (-4˚F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86	61 ~ 86
Dimensions	IDU 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
	ODU Dimensions (WxHxD)	in	30-5/16x21-15/32x11-11/32	30-5/16x21-15/32x11-11/32
Weight	IDU Weight (Net/Shipping)	lbs	35.9/42.5	35.9/42.5
	ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80
Unit Data	Airflow (Max/H/M/L)[5]	CFM	318/300/237/177	353/318/244/184
	Dehumidification	pts/hr	2.0	2.5
	Compressor Type		Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	38 / 32 / 27	39 / 32 / 27
	Outdoor Max	dB(A)	52	52
Piping[7]	Liquid Pipe	in	1/4	1/4
	Vapor Pipe	in	3/8	3/8
	Pipe Length (Min/Std/Max)	ft	9.8 / 25 / 66	9.8 / 25 / 66
	Max Pipe Elevation	ft	49	49
	Precharge Pipe Length	ft	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22
	Drain (OD, ID)	in	1-1/4 , 1	1-1/4 , 1
Controller	Supplied		AKB75735410	AKB75735410

Note:
[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
[2] 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). For capacity information, see engineering manual capacity tables.
[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.
[5] Airflow shown is in cooling mode.
[6] 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.
[7] Piping lengths are equivalent.
Due to our commitment to continued innovation, some specifications may be changed without notification.

4-WAY CASSETTE (2×2)

LC098HV4 LC188HV4
LC128HV4

Specification		Unit	LC098HV4	LC128HV4	LC188HV4
	Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	11,100	18,000
	Cooling Capacity Range	Btu/h	3,600 ~ 9,900	3,400 ~ 12,400	7,200 ~ 24,800
	Rated Heating Capacity	Btu/h	11,000	14,000	18,500
	Heating Capacity Range	Btu/h	4,400 ~12,100	2,800 ~ 15,500	6,500 ~ 23,400
	Max Heating Capacity at 17°F	Btu/h	9,350	11,900	17,000
	Max Heating Capacity at 5°F	Btu/h	8,250	10,500	15,000
	Max Heating Capacity at -4°F	Btu/h	7,040	8,960	13,000
	SEER, EER		20.2, 13.65	19.4, 12.6	20.5, 12.5
	HSPF		10.5	10.4	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	kW	0.66	.88	1.41
	Heating Power Input	kW	0.83	1.19	1.95
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.35/15.35
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64	-4 ~ 64
	ODU Cooling Operation Range	°F DB	0 ~ 118	0 ~ 118	5 ~ 118
	Optional Wind Baffle[4]	Yes	ZLABGP01A (-4 °F)	ZLABGP01A (-4 °F)	ZLABGP04A (-4 °F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86	65 ~ 86	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86	61 ~ 86	61 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	22-7/16 x 9-9/32 x 22-7/16	22-7/16 x 9-9/32 x 22-7/16	22-7/16 x 11 x 22-7/16
	ODU Dimensions (WxHxD)	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
Weight	IDU Weight (Net/Shipping)	lbs	31 / 37	31 / 37	31.5 / 40
	ODU Weight (Net/Shipping)	lbs	74.5 / 80	74.5 / 80	127.8 / 140.0
Unit Data	Airflow (Max/H/M/L)[5]	CFM	300 / 265 / 230	335 / 283 / 247	460 / 424 / 388
	Dehumidification	pts/hr	1.6	2.47	3.3
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV
Sound Pressure[6]	Indoor (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
Piping[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8/66	9.8/66	6.6/164
	Max Pipe Elevation	ft	49	49	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.43
	Drain (OD, ID)	in	1-1/4 , 1	1-1/4 , 1	1-1/4 , 1
Controller	Supplied		PWLSSB21H	PWLSSB21H	PWLSSB21H
Accessories	Grille		PT-QCHWO	PT-QCHWO	PT-QCHWO
	Grille Weight (Net/Shipping)	lbs	7/9	7/9	7/9

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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4-WAY CASSETTE (2×2) with LGRED°

LC188HHV4

LGRED°

Specification		Unit	LC188HHV4
	Indoor Unit		LCN188HV4
	Outdoor Unit		LUU180HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000
	Cooling Capacity Range	Btu/h	7,200 ~ 24,800
	Rated Heating Capacity	Btu/h	20,000
	Heating Capacity Range	Btu/h	6,500 ~ 23,700
	Max Heating Capacity at 17°F	Btu/h	22,610
	Max Heating Capacity at 5°F	Btu/h	20,000
	Max Heating Capacity at -4°F	Btu/h	17,920
	SEER, EER		20, 12.8
	HSPF		11.20
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1
	Cooling Power Input	kW	1.41
	Heating Power Input	kW	1.80
	MCA, MOCP	A	22, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14
	Rated Amps Cool/Heat	A	16.7/16.7
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118
	Optional Wind Baffle[4]	Yes	ZLABGP04A (-4°F)
	IDU Operation Range Cooling	°F WB	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	22-7/16 x 11 x 22-7/16
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	31.5 / 40
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4
Unit Data	Airflow (Max/H/M/L)[5]	CFM	494 / 460 / 424 / 388
	Dehumidification	pts/hr	4.28
	Compressor Type		R1 Scroll
	Refrigerant Type		R410A / EEV
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	41 / 39 / 36 / 33
	Outdoor Max (Cool/Heat)	dB(A)	51 / 52
Piping[7]	Liquid Pipe	in	3/8
	Vapor Pipe	in	5/8
	Pipe Length (Min/Max)	ft	16.4/164
	Max Pipe Elevation	ft	98.4
	Precharge Pipe Length	ft	24.9
	Additional Refrigerant	oz/ft	0.43
	Drain (OD, ID)	in	1-1/4 , 1
Controller	Supplied		PWLSSB21H
Accessories	Grille		PT-QCHWO
	Grille Weight (Net/Shipping)	lbs	6.6/8.8

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).}For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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4-WAY CASSETTE (3×3) with LGRED°

LGRED°

LC249HHV

LC369HHV
LC429HHV
LC489HHV

Specification		Unit	LC249HHV	LC369HHV	LC429HHV	LC489HHV
	Indoor Unit		LCN249HV	LCN369HV	LCN429HV	LCN489HV
	Outdoor Unit		LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	24,000	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	9,600 ~ 30,000	14,400 ~ 46,000	16,800 ~ 49,000	19,200 ~ 53,000
	Rated Heating Capacity	Btu/h	27,000	40,000	48,000	52,000
	Heating Capacity Range	Btu/h	10,800 ~ 33,000	16,000 ~ 46,000	18,000 ~ 57,600	19,000 ~ 61,000
	Max Heating Capacity at 17°F	Btu/h	29,100	42,100	51,400	55,100
	Max Heating Capacity at 5°F	Btu/h	27,000	40,000	48,000	52,000
	Max Heating Capacity at -4°F	Btu/h	24,410	35,970	42,970	43,740
	SEER, EER		21.00, 12.60	21.50, 12.60	19.50, 12.80	17.50, 12.50
	HSPF		10.20	11.00	11.60	11.70
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	kW	1.905	2.858	3.28	3.84
	Heating Power Input	kW	2.25	3.20	3.405	3.85
	MCA, MOCP	A	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	16.7/16.7	26.2/26.2	26.5/26.5	26.5/26.5
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 64	-13 ~ 64	-13 ~ 64	-13 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118
	Optional Wind Baffle[4]	Yes	ZLABGP04A (-4 °F)	ZLABGP04A x2 (-4 °F)	ZLABGP04A x2 (-4 °F)	ZLABGP04A x2 (-4 °F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
	Setpoint Range Heating	°F	60 ~ 86	60 ~ 86	60 ~ 86	60 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	33-3/32 x 8-1/32 x 33-3/32	33-3/32 × 11-11/32 × 33-3/32	33-3/32 × 11-11/32 × 33-3/32	33-3/32 × 11-11/32 × 33-3/32
	ODU Dimensions (WxHxD)	in	37-13/32 × 32-27/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13
Weight	IDU Weight (Net/Shipping)	lbs	45.2 / 54.9	55.8 / 67.7	59.5 / 70.5	59.5 / 70.5
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data	Airflow (Max/H/M/L)[5]	CFM	794 / 671 / 600 / 530	1,200 / 971 / 883 / 794	1,483 / 1,130 / 953 / 812	1,483 / 1,130 / 953 / 812
	Dehumidification	pts/hr	3.80	7.10	7.27	9.74
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV	R410A / EEV
Sound Pressure[6]	Indoor (H/M/L/SL)	dB(A)	40 / 37 / 35 / 32	44 / 42 / 41 / 40	46 / 43 / 41 / 39	46 / 43 / 41 / 39
	Outdoor Max (Cool/Heat)	dB(A)	51 / 52	52 / 54	54 / 56	54 / 56
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8
	Pipe Length (Min/Std/Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.9	24.9	24.9	24.9
	Additional Refrigerant	oz/ft	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
Controller	Supplied		PWLSSB21H	PWLSSB21H	PWLSSB21H	PWLSSB21H
Accessories	Grille		PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Grille Weight (Net/Shipping)	lbs	15.6/20.5	15.6/20.5	15.6/20.5	15.6/20.5

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).}For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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LOW STATIC DUCTED

LD097HV4
LD127HV4
LD187HV4

LG ThinQ®

Specification		Unit	LD097HV4	LD127HV4	LD187HV4
	Indoor Unit		LDN097HV4	LDN127HV4	LDN187HV4
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	11,600	18,000
	Cooling Capacity Range	Btu/h	3,600 ~ 9,900	4,640 ~ 12,760	7,400 ~ 21,100
	Rated Heating Capacity	Btu/h	14,000	16,000	20,000
	Heating Capacity Range	Btu/h	5,600 ~ 15,400	6,400 ~ 17,600	6,800 ~ 21,800
	Max Heating Capacity at 17°F	Btu/h	11,900	13,600	18,000
	Max Heating Capacity at 5°F	Btu/h	10,500	12,000	16,000
	SEER, EER		18.5, 12.7	19.6, 12.9	18, 11.5
	HSPF		10.3	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	kW	0.71	0.90	1.56
	Heating Power Input	kW	1.43	1.29	2.0
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.9/15.9
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64	-4 ~ 64
	ODU Cooling Operation Range	°F DB	0 ~ 118	0 ~ 118	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP01A (-4˚F)	ZLABGP01A (-4˚F)	ZLABGP04A (-4˚F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86	65 ~ 86	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86	61 ~ 86	61 ~ 86
Dimensions	IDU 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
	ODU Dimensions (WxHxD)	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
Weight	IDU Weight (Net/Shipping)	lbs	39/46	51/60	49/58
	ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80	128/140
Unit Data	Airflow (H/M/L)[5]	CFM	318 / 247 / 194	353 / 300 / 247	530 / 441 / 353
	Dehumidification	pts/hr	1.50	2.28	2.4
	Max External Static Pressure	in wg	0.20	0.20	0.20
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R-410A	R-410A	R-410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
	Outdoor Max	dB(A)	51	52	52
Piping[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8/66	9.8/66	6.6/164
	Max Pipe Elevation	ft	49.2	49.2	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.43
	Drain (OD, ID)	in	1.25, 1	1.25, 1	1.25, 1
Controller	Additional Accessory[8]		Wired Controller	Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

[8] All LG wired controls are compatible and can be considered for control.

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LOW STATIC DUCTED with LGRED°

LD187HHV4

LGRED°
LG ThinQ®

Specification		Unit	LD187HHV4
	Indoor Unit		LDN187HV4
	Outdoor Unit		LUU180HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000
	Cooling Capacity Range	Btu/h	7,200 ~ 22,000
	Rated Heating Capacity	Btu/h	20,000
	Heating Capacity Range	Btu/h	6,800 ~ 24,000
	Max Heating Capacity at 17°F	Btu/h	22,500
	Max Heating Capacity at 5°F	Btu/h	20,000
	Max Heating Capacity at -4°F	Btu/h	17,970
	SEER, EER		18.8, 12.5
	HSPF		10
Power	Voltage (IDU)	V, Hz, Ø	208/230, 60, 1
	Voltage (ODU)	V, Hz, Ø	208/230, 60, 1
	Cooling Power Input	kW	1.44
	Heating Power Input	kW	1.82
	MCA, MOCP	A	22, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14
	Rated Amps Cool/Heat	A	16.7/16.7
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (-4˚F)
	IDU Operation Range Cooling	°F WB	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	35-7/16 × 7-15/32 × 27-9/16
	ODU Dimensions (WxHxD)	in	37-13/32 × 32-27/32 × 13
Weight	IDU Weight (Net/Shipping)	lbs	48.5 / 57.3
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4
Unit Data	Airflow (H/M/L)[5]	CFM	530 / 441 / 353
	Dehumidification	pts/hr	3.84
	Max External Static Pressure	in wg	0.20
	Compressor Type		R1 Scroll
	Refrigerant Type		R-410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	36 / 34 / 31
	Outdoor Max	dB(A)	52
Piping[7]	Liquid Pipe	in	3/8
	Vapor Pipe	in	5/8
	Pipe Length (Min/Max)	ft	16.4/164
	Max Pipe Elevation	ft	98.4
	Precharge Pipe Length	ft	24.9
	Additional Refrigerant	oz/ft	0.43
	Drain (OD, ID)	in	1.25, 1
Controller	Additional Accessory[8]		Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

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HIGH STATIC DUCTED

LH248HV4 LH368HV4

LG ThinQ®

Specification		Unit	LH248HV4	LH368HV4
	Indoor Unit		LHN248HV	LHN368HV
	Outdoor Unit		LUU249HV	LUU369HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	24,000	36,000
	Cooling Capacity Range	Btu/h	9,600 ~ 27,000	14,400 ~ 41,400
	Rated Heating Capacity	Btu/h	27,000	40,000
	Heating Capacity Range	Btu/h	10,800 ~ 30,000	16,000 ~ 42,200
	Max Heating Capacity at 17°F	Btu/h	26,000	41,500
	Max Heating Capacity at 5°F	Btu/h	23,600	35,000
	Max Heating Capacity at -4°F	Btu/h	24,250	35,970
	SEER, EER		19.0, 12.0	19.0, 12.1
	HSPF		10.5	9.7
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	kW	2.98	2.98
	Heating Power Input	kW	2.08	3.08
	MCA, MOCP	A	20, 30	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	16.7/16.7	27.5/27.5
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (-4˚F)	ZLABGP04A x 2 (-4˚F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86	61 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	35-1/2 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-19/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	85.3 / 99.4
	ODU Weight (Net/Shipping)	lbs	130.0 / 143.3	198.9 / 223.1
Unit Data	Airflow (H/M/L)[5]	CFM	777/706/636	1,130/989/848
	Dehumidification	pts/hr	5.1	5.9
	Max External Static Pressure	in wg	0.59	0.59
	Compressor Type		Twin Rotary	R1 Scroll
	Refrigerant Type		R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	37 / 35 / 34	44 / 42 / 40
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	52 / 54
Piping[7]	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	5/8	5/8
	Pipe Length (Min/Max)	ft	24.6/164	24.6/246.1
	Max Pipe Elevation	ft	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43
	Drain (OD, ID)	in	1.25, 1	1.25, 1
Controller	Additional Accessory[8]		Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

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HIGH STATIC DUCTED with LGRED°

LGRED°
LG ThinQ®

LH248HHV4

LH368HHV4
LH428HHV4
LH488HHV4

Specification		Unit	LH248HHV4	LH368HHV4	LH428HHV	LH488HHV
	Indoor Unit		LHN248HV	LHN368HV	LHN428HV	LHN488HV
	Outdoor Unit		LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	23,000	36,000	42,000	46,000
	Cooling Capacity Range	Btu/h	9,200 ~ 32,000	14,400 ~ 44,000	16,800 ~ 50,000	18,400 ~ 55,000
	Rated Heating Capacity	Btu/h	27,000	40,000	48,000	50,000
	Heating Capacity Range	Btu/h	8,000 ~ 36,000	16,000 ~ 46,000	18,000 ~ 57,600	19,000 ~ 60,000
	Max Heating Capacity at 17°F	Btu/h	30,120	42,100	51,400	53,500
	Max Heating Capacity at 5°F	Btu/h	27,000	40,000	48,000	50,000
	Max Heating Capacity at -4°F		24,250	35,970	41,820	43,590
	SEER, EER		18.2, 12.5	19, 12.5	19, 12.5	18.7, 12.5
	HSPF		10.8	10.2	10.9	11.2
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	kW	1.84	2.88	3.36	3.68
	Heating Power Input	kW	2.08	3.36	4.50	4.55
	MCA, MOCP	A	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	17.7/17.7	27.5/27.5	26.5/26.5	26.5/26.5
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 64	-13 ~ 64	-13 ~ 64	-13 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)
	IDU Operation Range Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77
	IDU Operation Range Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81
	Setpoint Range Cooling	°F	65 ~ 86	65 ~ 86	65 ~ 86	65 ~ 86
	Setpoint Range Heating	°F	61 ~ 86	61 ~ 86	61 ~ 86	61 ~ 86
Dimensions	IDU Dimensions (WxHxD)	in	35-7/16 x 10-5/8 x 27-9/16	49-7/32 ×10-5/8 × 27-9/16	49-7/32 ×14-3/16 × 27-9/16	49-7/32 ×14-3/16 × 27-9/16
	ODU Dimensions (WxHxD)	in	37-13/32 × 32-27/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13
Weight	IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	85.3 / 99.4	95.9 / 112.9	95.9 / 112.9
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data	Airflow (H/M/L)[5]	CFM	777 / 706 / 636	1,130 / 998 / 847	1,412 / 1,200 / 988	1,765 / 1,589 / 1,412
	Dehumidification	pts/hr	3.48	7.9	7.19	7.61
	Max External Static Pressure	in wg	0.59	0.59	0.59	0.59
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	37 / 35 / 34	36 / 34 / 33	39 / 37 / 35	42 / 40 / 39
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	52 / 54	54 / 56	54 / 56
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	16.4/164	16.4/246.1	16.4/246.1	16.4/246.1
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.9	24.9	24.9	24.9
	Additional Refrigerant	oz/ft	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
Controller	Additional Accessory[8]		Wired Controller	Wired Controller	Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

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VERTICAL AHU

LG ThinQ®

LV181HV4
LV241HV4

LV361HV4
LV420HV
LV480HV

Specification		Unit	LV181HV4	LV241HV4	LV361HV4	LV420HV	LV480HV
	Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU189HV	LUU249HV	LUU369HV	LUU428HV	LUU488HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	7,200 ~ 24,000	9,600 ~30,000	14,400 ~ 39,000	17,000 ~ 48,000	18,000 ~ 53,000
	Rated Heating Capacity	Btu/h	20,000	27,000	40,000	47,000	56,000
	Heating Capacity Range	Btu/h	8,000 ~ 24,000	10,800 ~ 30,000	16,000 ~ 43,000	18,000 ~ 55,000	19,000 ~ 60,000
	Max Heating Capacity at 17°F	Btu/h	21,000	26,000	37,350	37,000	40,000
	Max Heating Capacity at 5°F	Btu/h	20,500	23,600	35,000	32,000	34,000
	Max Heating Capacity at -4°F	Btu/h	19,910	20,760	32,220	24,000	26,000
	SEER, EER		19.2, 13.30	19.5, 12.0	18, 11	17, 11.05	16.5, 10
	HSPF		10.4	11	10	10	9.5
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
	Voltage (ODU)	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	kW	1.35	2.00	3.27	3.80	4.80
	Heating Power Input	kW	1.73	2.25	3.57	4.00	5.10
	MCA, MOCP	A	20, 30	20, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	16.2	16.2	26.3	24.2	24.2
Operating Range	ODU Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64	-4 ~ 64	-4 ~ 64	-4 ~ 64
	ODU Cooling Operation Range	°F DB	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (-4˚F)	ZLABGP04A (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)
	IDU Operation Range Cooling	°F WB	57~77	57~77	57~77	57~77	57~77
	IDU Operation Range Heating	°F DB	59~81	59~81	59~81	59~81	59~81
	Setpoint Range Cooling	°F	65~86	65~86	65~86	65~86	65~86
	Setpoint Range Heating	°F	61~86	61~86	61~86	61~86	61~86
Dimensions	IDU Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	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	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	123.5 / 135.1	123.5 / 135.1	129 / 140	165 / 188	165 / 188
	ODU Weight (Net/Shipping)	lbs	129 / 141	130.0 / 143.3	198.9 / 223.1	203 / 232	203 / 232
Unit Data	Airflow (H/M/L)[5]	CFM	640 / 580 / 480	710 / 640 / 480	990 / 880 / 800	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
	Dehumidification	pts/hr	3.1	4.0	5.1	4.3	5.2
	Max External Static Pressure	in wg	0.7	0.7	0.7	1.0	1.0
	Fan Motor Type		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM	BLDC	BLDC
	Compressor Type		Twin Rotary	Twin Rotary	R1 Scroll	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	35 / 33 / 30	36 / 34 / 30	44 / 41 / 39	48 / 45 / 44	49 / 48 / 44
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	48 / 52	52 / 54	52 / 54	52 / 54
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6 / 164	6.6 / 164	6.6 / 246	6.6 / 246	6.6 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory[8]		Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

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VERTICAL AHU with LGRED°

LGRED°
LG ThinQ®

LV181HHV4
LV241HHV4

LV361HHV4
LV420HHV
LV480HHV

Specification		Unit	LV181HHV4	LV241HHV4	LV361HHV4	LV420HHV	LV480HHV
	Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU180HHV	LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	33,000	42,000	46,000
	Cooling Capacity Range	Btu/h	7,200 ~ 24,800	9,600 ~30,000	14,400 ~ 44,000	16,800 ~ 50,000	18,400 ~ 55,000
	Rated Heating Capacity	Btu/h	20,000	27,000	37,500	48,000	50,000
	Heating Capacity Range	Btu/h	8,000 ~ 27,000	10,800 ~ 36,000	16,000 ~ 43,000	18,000 ~ 60,000	19,000 ~ 63,000
	Max Heating Capacity at 17°F	Btu/h	23,740	30,120	39,400	52,200	54,600
	Max Heating Capacity at 5°F	Btu/h	22,000	27,400	37,500	48,000	50,000
	Max Heating Capacity at -4°F	Btu/h	20,840	24,250	33,810	38,200	39,960
	SEER, EER		19.2, 13.6	19.5, 12.7	17.8, 12.5	19.6, 12.5	19, 12.5
	HSPF		10.4	11	10.7	11	10.5
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
	Voltage (ODU)	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	kW	1.32	1.89	2.64	3.36	3.68
	Heating Power Input	kW	1.72	2.25	3.35	3.69	3.84
	MCA, MOCP	A	22, 30	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	17.2	17.2	26.3	27.4	27.4
Operating Range	ODU Heating Operation Range	°F WB	-13 ~ 64.4	-13 ~ 64.4	-13 ~ 64.4	-13 ~ 64.4	-13 ~ 64.4
	ODU Cooling Operation Range	°F DB	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118	5 ~ 118
	Optional Wind Baffle[4]		ZLABGP04A (-4˚F)	ZLABGP04A (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)
	IDU Operation Range Cooling	°F WB	57~77	57~77	57~77	57~77	57~77
	IDU Operation Range Heating	°F DB	59~81	59~81	59~81	59~81	59~81
	Setpoint Range Cooling	°F	65~86	65~86	65~86	65~86	65~86
	Setpoint Range Heating	°F	61~86	61~86	61~86	61~86	61~86
Dimensions	IDU Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	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	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	116.8 / 128.5	116.8 / 128.5	122.4 / 134.0	158.7 / 176.4	158.7 / 176.4
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data	Airflow (H/M/L)[5]	CFM	640 / 580 / 480	710 / 640 / 480	988 / 883 / 798	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
	Dehumidification	pts/hr	3.14	4.18	7.4	6.76	7.54
	Max External Static Pressure	in wg	0.7	0.7	0.7	1.0	1.0
	Fan Motor Type		(ECM) / Direct	(ECM) / Direct	(ECM) / Direct	BLDC / Direct	BLDC / Direct
	Compressor Type		Twin Rotary	Twin Rotary	R1 Scroll	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	35 / 33 / 30	36 / 34 / 30	44 / 41 / 39	48 / 45 / 44	49 / 48 / 44
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52	52 / 54	54 / 56	54 / 56
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.9	24.9	24.9	24.9	24.9
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory[8]		Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables.

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[5] Airflow shown is in cooling mode.

[6] 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.

[7] Piping lengths are equivalent.

[8] All LG wired controls are compatible and can be considered for control.

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

MULTI-ZONE
Lineup

OUTDOOR UNITS			
Btu/h	Multi F	Maximum Indoor Units	Combination Sample
18,000	LMU183HV / LGRED° LMU180HHV	2	
24,000	LMU243HV / LGRED° LMU240HHV	3	
30,000	LMU303HV / LGRED° LMU300HHV	4	
36,000	LMU363HV	4	
Btu/h	Multi F MAX	Maximum Indoor Units	Combination Sample
36,000	LGRED° LMU361HHV	5	
42,000	LGRED° LMU421HHV	6	
48,000	LMU481HV LMU480HVV LGRED°	8	
54,000	LMU541HV	8	
60,000	LMU601HV	8	

MULTI-ZONE
Lineup

INDOOR UNITS								
Btu/h		7,000	9,000	12,000	15,000	18,000	24,000	36,000
Wall Mounted	ART COOL™ Gallery		LMAN097HVP	LMAN127HVP				
	ART COOL™ Mirror		LAN090HSV5	LAN120HSV5		LAN180HSV5		
	High Efficiency	LMN079HVT	LSN090HSV5	LSN120HSV5	LMN159HVT	LSN180HSV5	LMN249HVT	
	Low Wall Console		LQN090HV4	LQN120HV4	LMQN150HV			
Ceiling Cassette	4-Way	LMCN078HV	LCN098HV4	LCN128HV4		LCN188HV4		
Ducted	Low Static		LDN097HV4	LDN127HV4		LDN187HV4		
	High Static						LHN248HV	LHN368HV
	Vertical AHU					LVN181HV4	LVN241HV4	LVN361HV4

MULTI F OUTDOOR UNITS

LMU183HV
LMU243HV

LMU303HV
LMU363HV

Specification		Unit	LMU183HV	LMU243HV	LMU303HV	LMU363HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	30,000	32,800
	Cooling Capacity Range	Btu/h	8,400 ~ 21,600	8,400 ~ 25,000	8,400 ~ 36,000	8,400 ~ 38,400
	Rated Heating Capacity	Btu/h	22,000	24,600	32,000	36,000
	Heating Capacity Range	Btu/h	10,080 ~ 25,000	10,080 ~ 29,000	10,080 ~ 38,400	10,080 ~ 41,600
	Max Heating Capacity at 5˚F	Btu/h	17,700	18,400	24,000	25,200
	Max Heating Capacity at 0˚F	Btu/h	16,090	16,730	22,000	22,750
	Max Heating Capacity at -4˚F	Btu/h	14,800	15,400	20,400	20,800
	SEER2, EER2		22.5, 13.5	22.5, 12.5	22.0, 13.0	21.5, 12.5
	HSPF2		9.6	9.4	9.2	9.0
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	1.33	1.92	2.31	2.62
	Heating Power Input	kW	1.79	1.72	2.34	2.74
	MCA, MOP	A	15.8, 20	16.0, 20	18.4, 25.0	18.4, 25
	Rated Amps (Cool/Heat)	A	12.8 / 12.8	13.0 / 13.0	15.03 / 15.03	15.03 / 15.03
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Operating Range[4]	Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64	-4 ~ 64	-4 ~ 64
	Cooling Operation Range[5]	°F DB	14 ~ 118	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle		ZLABGP03A (-4˚F)	ZLABGP03A (-4˚F)	ZLABGP04A (-4˚F)	ZLABGP04A (-4˚F)
Dimensions & Weight	Dimensions (WxHxD)	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 (Net/Shipping)	lbs	101/109.8	101.4/110.2	138.9/154.3	138.9/154.3
Unit Data	Refrigerant Type		R410A	R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)[6]	dB(A)	49/54	50/54	51/54	51/54
	Maximum Air Volume	CFM	1,766	1,766	2,119	2,119
	Minimum Connectable IDUs[7]	Qty	2	2	2	2
	Maximum Connectable IDUs[7]	Qty	2	3	4	4
	Max Total IDU Connected Capacity	Btu/h	24,000	33,000	40,000	48,000
Piping[8]	Liquid Pipe (OD)	in	1/4 x 2	1/4 x 3	1/4 x 4	1/4 x 4
	Vapor Pipe (OD)	in	3/8 x 2	3/8 x 3	3/8 x 4	3/8 x 4
	Maximum Total Pipe Length	ft	164	230	246.1	246.1
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8	9.8
	Maximum Pipe Length ODU to IDU	ft	82	82	82	82
	Piping Length (no add'l refrigerant)	ft	98.4	98.4	98.4	98.4
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6	24.6
	Factory Charge of R410A	lbs	3.97	3.97	6.17	6.17

Note:
At least two operable indoor units must be connected to the outdoor unit.

Refer to the product engineering manual for instructions on how to calculate and properly apply the connected total indoor unit nominal capacity.

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).
For capacity information, see engineering manual capacity tables. Capacities are based on connection of Non-Ducted indoor units. .

[1] 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:.
LMU183HV: 16.4 ft. x 2 = 32.8 ft., LMU243HV: 16.4 ft. x 3 = 49.2 ft., LMU303HV: 16.4 ft. x 4 = 65.6 ft., LMU363HV: 16.4 ft. x 4 = 65.6 ft.

[2] Rated capacity is certified under AHRI Standard 210 / 240. EER2, SEER2, COP, and HSPF2 are subject to change. See www.ahrinet.org for the latest values

[3] Power wiring to the outdoor unit is field supplied, solid or stranded, and must comply with the applicable local and national codes. All power wiring / communication cable to be minimum 14 AWG, 4-conductor from the outdoor unit to the indoor units, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes

[4] Operation outside of Continuous Operating Range is subject to safety interruption

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

[6] 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.

[7] 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.

[8] Piping lengths are equivalent.

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MULTI F OUTDOOR UNITS with LGRED°

LMU180HHV
LMU240HHV

LGRED°

LMU300HHV

LGRED°

Model	Specification	Unit	LMU180HHV	LMU240HHV	LMU300HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	28,400
	Cooling Capacity Range	Btu/h	8,400 ~ 19,980	8,400 ~ 30,000	8,400 ~ 34,080
	Rated Heating Capacity	Btu/h	22,000	26,000	28,600
	Heating Capacity Range	Btu/h	10,248 ~ 24,000	10,248 ~ 31,200	10,248 ~ 34,320
	Max Heating Capacity at 17°F	Btu/h	23,600	28,500	31,600
	Max Heating Capacity at 5°F	Btu/h	22,000	26,000	28,600
	Max Heating Capacity at -4°F	Btu/h	21,050	23,880	25,550
	Max Heating Capacity at -13°F	Btu/h	19,270	21,310	22,210
	SEER, EER[3]		21, 13.5	21, 13.5	20, 12.5
	HSPF[3]		10	10.7	11
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	1.33	1.78	2.27
	Heating Power Input	kW	2.22	2.12	2.33
	MCA, MOCP[4]	A	18.6, 30	19, 30	19.4, 30
	Rated Amps	A	15.33	15.73	16.13
	Power/Communication Wiring[5]	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Heating Operation Range	°F WB	-13 ~ 64	-13 ~ 64	-13 ~ 64
	Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[6]		ZLABGP04A (-4˚F)	ZLABGP04A (-4˚F)	ZLABGP04A (-4˚F)
Dimensions & Weight	Dimensions (WxHxD)	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 (Net/Shipping)	lbs	147.7/163.1	152.1/165.3	152.1/165.3
Unit Data	Refrigerant Type		R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)[7]	dB(A)	50, 54	52, 55	52, 55
	Maximum Air Volume	CFM	2,295	2,295	2,295
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4
	Max Total IDU Connected Capacity	Btu/h	24,000	33,000	40,000
Piping[8]	Liquid Pipe	in	1/4 x 2	1/4 x 3	1/4 x 4
	Vapor Pipe	in	3/8 x 2	3/8 x 3	3/8 x 4
	Maximum Total Pipe Length	ft	164	246.1	246.1
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU TO IDU	ft	82	82	82
	Precharge Pipe Length	ft	49.2	73.8	98.4
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6
	Factory Charge of R410A	lbs	6.18	7.05	7.05
	Additional Refrigerant	oz/ft	0.22	0.22	0.22

Note:
At least two operable indoor units must be connected to the outdoor unit.
Refer to the product engineering manual for instructions on how to calculate and properly apply the connected total indoor unit nominal capacity.

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables. Capacities are based on connection of Non-Ducted indoor units.

[3] Values when matched with non-ducted units only.

[4] Recommended fuse sze is 25 Amps.

[5] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[6] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[7] 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.

[8] Piping lengths are equivalent.

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MULTI F MAX OUTDOOR UNITS

LMU481HV
LMU541HV
LMU601HV

Specification		Unit	LMU481HV	LMU541HV	LMU601HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	48,000	50,500	60,000
	Cooling Capacity Range	Btu/h	10,800 ~ 58,000	10,800 ~ 63,200	10,800 ~ 65,000
	Rated Heating Capacity	Btu/h	54,000	58,000	64,000
	Heating Capacity Range	Btu/h	12,420 ~ 59,000	12,420 ~ 64,000	12,420 ~ 68,000
	Max Heating Capacity at 17˚F	Btu/h	47,690	49,530	57,590
	Max Heating Capacity at 5˚F	Btu/h	40,190	41,140	52,840
	Max Heating Capacity at -4˚F	Btu/h	35,070	35,790	46,220
	SEER, EER[3]		20.8, 12.8	20.6, 12.6	20.5, 11.3
	HSPF[3]		10.5	10	11
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	3.75	4.01	5.31
	Heating Power Input	kW	4.52	5.07	5.44
	MCA, MOCP	A	32.7, 40	32.7, 40	32.7, 40
	Rated Amps (Cool/Heat)	A	29.2	30.0	30.4
	Power/Communication Wiring[4]	No. x AWG	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14
Operating Range	Heating Operation Range	°F WB	-4 ~ 64	-4 ~ 64	-4 ~ 64
	Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[5]		ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)	ZLABGP04A x 2 (-4˚F)
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32x54-11/32x13
	Weight (Net/Shipping)	lbs	192/216	192/216	218/243
Unit Data	Refrigerant Type		R410A	R410A	R-410A
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Sound Pressure (Cooling / Heating)[6]	dB(A)	53/55	53/55	56/58
	Maximum Air Volume	CFM	1,942 x 2	1,942 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	8	8	8
	Max Total IDU Connected Capacity	Btu/h	65,000	73,000	81,000
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8
	Vapor Pipe	in	3/4	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	16.4	16.4	16.4
	Maximum Pipe Length ODU to IDU	ft	229.6	229.6	229.6
	Maximum Main Pipe Length (ODU to BDU)	ft	180.4	180.4	180.4
	Precharge Pipe Length	ft	Main: 16.4, Branch: 131.2	Main: 16.4, Branch: 131.2	Main: 49.2, Branch: 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8	38.2
	Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2
	Factory Charge of R410A	bs	9.3	9.3	11.5
	Additional Refrigerant	z/ft	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22

Note:
At least two operable indoor units must be connected to the outdoor unit.

Refer to the product engineering manual for instructions on how to calculate and properly apply the connected total indoor unit nominal capacity.

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables. Capacities are based on connection of Non-Ducted indoor units.

[3] Values when matched with non-ducted units only.

[4] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[5] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[6] 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.

[7] Piping lengths are equivalent.

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MULTI F MAX OUTDOOR UNITS with LGRED°

LMU361HHV
LMU421HHV
LMU480HHV

LGRED°

Specification		Unit	LMU361HHV	LMU421HHV	LMU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	10,800 ~ 47,000	10,800 ~ 53,000	10,800 ~ 58,000
	Rated Heating Capacity	Btu/h	45,000	48,000	52,500
	Heating Capacity Range	Btu/h	12,420 ~ 50,000	12,420 ~ 54,500	12,420 ~59,000
	Max Heating Capacity at 17°F	Btu/h	49,640	53,330	56,740
	Max Heating Capacity at 5°F	Btu/h	45,390	48,450	52,840
	Max Heating Capacity at -4°F	Btu/h	40,690	42,670	46,010
	Max Heating Capacity at -13°F	Btu/h	36,360	37,640	39,870
	SEER, EER[3]		22, 14.5	21.5, 13.8	20.5, 13.1
	HSPF[3]		11.5	11.5	11
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	2.48	3.04	3.66
	Heating Power Input	kW	3.30	3.70	4.25
	MCA, MOCP	A	32.7, 40	32.7, 40	32.7, 40
	Rated Amps	A	28.4	28.4	29.2
	Power/Communication Wiring[4]	A	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14
Operating Range	Heating Operation Range	°F WB	-13 ~ 64	-13 ~ 64	-13 ~ 64
	Cooling Operation Range	°F DB	14 ~ 118	14 ~ 118	14 ~ 118
	Optional Wind Baffle[5]		ZLABGP04A x2 (-4˚F)	ZLABGP04A x2 (-4˚F)	ZLABGP04A x2 (-4˚F)
Dimensions & Weight	Dimensions (WxHxD)	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 (Net/Shipping)	lbs	218/243	218/243	218/243
Unit Data	Refrigerant Type		R410A	R410A	R410A
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Sound Pressure (Cooling / Heating)[6]	dB(A)	53 / 55	54 / 56	54 / 56
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	5	6	8
	Max Total IDU Connected Capacity	Btu/h	48,000	56,000	65,000
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8
	Vapor Pipe	in	3/4	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	16.4	16.4	16.4
	Maximum Pipe Length ODU to IDU	ft	229.6	229.6	229.6
	Maximum Main Pipe Length (ODU to BDU)	ft	180.4	180.4	180.4
	Maximum Branch Piping	ft	295.3	295.3	295.3
	Maximum Pipe Length BDU to IDU	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	Main: 49.2, Branch: 131.2	Main: 49.2, Branch: 131.2	Main: 49.2, Branch: 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8	32.8
	Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2
	Factory Charge of R410A	lbs	11.5	11.5	11.5
	Additional Refrigerant	oz/ft	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22

Note:
At least two operable indoor units must be connected to the outdoor unit.
Refer to the product engineering manual for instructions on how to calculate and properly apply the connected total indoor unit nominal capacity.

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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). For capacity information, see engineering manual capacity tables. Capacities are based on connection of Non-Ducted indoor units.

[3] Values when matched with non-ducted units only.

[4] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[5] Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4˚F in cooling mode for applicable outdoor units.

[6] 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.

[7] Piping lengths are equivalent.

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

MULTI F INDOOR UNITS

LG ThinQ®

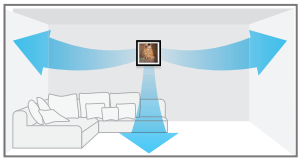
ART COOL™ Gallery

Specification		Unit	LMAN097HVP	LMAN127HVP
Capacity[1,2]	Cooling	Btu/h	9,000	11,200
	Heating	Btu/h	10,400	13,300
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81
Fan	Type		Turbo	Turbo
	Motor Output x Qty	W	24 x 1	24 x 1
	Motor/Drive		BLDC	BLDC
	Airflow (H/M/L)	CFM	272/208/155	314/258/198
Unit Data	Rated Amps	A	0.2	0.2
	Sound Pressure Level (H/M/L)[3]	dB(A)	39/35/31	42/38/34
	Dimensions (WxHxD)	in	23-5/8 x 23-5/8 x 5-25/32	23-5/8 x 23-5/8 x 5-25/32
	Weight (Net/Shipping)	lbs	32/37	32/37
Piping	Liquid Pipe	in	1/4	1/4
	Vapor Pipe	in	3/8	3/8
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB73635607	AKB73635607

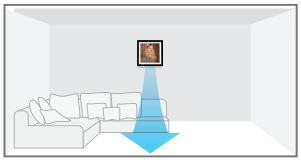
Digital Airflow Control

The airflow can be controlled to ensure maximum comfort and convenience.

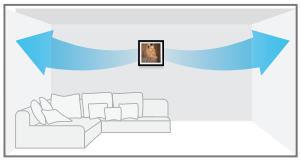
Normal



Jet Cool



Sleep Mode



Customizable Picture Frame

With LG's revolutionary Art Cool Gallery, you can change the look of your air conditioner to whatever you want, whenever you want.

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] 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.

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MULTI F INDOOR UNITS

LG ThinQ®

ART COOL™ Mirror

Specification		Unit	LAN090HSV5	LAN120HSV5	LAN180HSV5
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,900	13,600	21,600
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
Fan	Type		Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty	W	30 x 1	30 x 1	60 x 1
	Motor/Drive		BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	268/218/169	282/233/177	558/438/353
Unit Data	Rated Amps	A	0.4	0.4	0.4
	Sound Pressure Level (H/M/L)[4]	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	20.5/25.6	20.5/25.6	29.8/36.4
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
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

LG ThinQ®

High Efficiency

Specification		Unit	LMN079HVT	LSN090HSV5	LSN120HSV5	LMN159HVT	LSN180HSV5	LMN249HVT
Capacity[1,2]	Cooling	Btu/h	7,000	9,000	12,000	14,300	18,000	24,000
	Heating	Btu/h	8,100	10,900	13,600	15,600	21,600	25,600
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[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81
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	60 x 1	60 x 1
	Motor/Drive		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	254/204/148	268/218/169	282/233/177	314/268/184	558/438/353	597/452/367
Unit Data	Rated Amps	A	0.4	0.4	0.4	0.4	0.4	0.4
	Sound Pressure Level (H/M/L)[4]	dB(A)	35/31/26	36/32/27	38/34/29	42/38/32	44/38/34	46/41/36
	Dimensions (WxHxD)	in	32-15/16x12-1/8x7-7/16	32-15/16x12-1/8x7-7/16	32-15/16x12-1/8x7-7/16	32-15/16x12-1/8x7-7/16	39-9/32x13-19/32x8-9/32	39-9/32x13-19/32x8-9/32
	Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2	25.6 / 32.2
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	3/8	1/2	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
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] 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.

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MULTI F INDOOR UNITS

LG ThinQ®

Low Wall Console

Specification		Unit	LQN090HV4	LQN120HV4	LMQN150HV
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	15,710
	Heating	Btu/h	10,500	13,650	17,070
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
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	300/237/177	318/244/184	357/304/254
Unit Data	Rated Amps	A	0.7	0.7	0.7
	Sound Pressure Level (H/M/L)[4]	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	35.7/41.7	35.7/41.7	35.7/41.7
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
Controller	Supplied		AKB75735410	AKB75735410	AKB75735410

LG ThinQ®

Ceiling Cassette

Specification		Unit	LMCN078HV	LCN098HV4	LCN128HV4	LCN188HV4
Capacity[1,2]	Cooling	Btu/h	7,000	9,000	12,000	18,000
	Heating	Btu/h	8,100	10,400	13,800	20,800
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81
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		BLDC	BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	265/212/177	300/265/230	335/283/247	459/424/388
Unit Data	Rated Amps	A	0.25	0.25	0.25	0.25
	Sound Pressure Level (H/M/L)[4]	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
	Weight (Net/Shipping)	lbs	26/31	29/34	29/34	32/39
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
Controller	Supplied[5]		PWLSSB21H	PWLSSB21H	PWLSSB21H	PWLSSB21H
Grille (Sold Separately)	Model		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Dimensions (WxHxD)	in	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16
	Weight (Net/Shipping)	lbs	7/11	7/9	7/9	7/11

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] 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.

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MULTI F INDOOR UNITS

Low Static Ducted

LG ThinQ®

Specification		Unit	LDN097HV4	LDN127HV4	LDN187HV4
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,400	13,800	20,800
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
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		BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	318/247/194	353/300/247	530/441/353
Unit Data	Rated Amps	A	0.4	0.8	0.8
	Factory Set External Static Pressure	in. wg	0.1	0.1	0.1
	Max. External Static Pressure	in. wg	0.2	0.2	0.2
	Sound Pressure Level (H/M/L)[4]	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	39/46	51/60	49/58
Piping	Liquid Pipe	in	1/4	1/4	1/4
	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
Controller	Additional Accessory[5]		Wired Controller	Wired Controller	Wired Controller

High Static Ducted

LG ThinQ®

Specification		Unit	LHN248HV	LHN368HV
Capacity[1,2]	Cooling	Btu/h	24,000	36,000
	Heating	Btu/h	27,000	40,000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81
Fan	Type		Sirocco	Sirocco x 2
	Motor Output x Qty	W	136.5 x 1	259 x 1
	Motor/Drive		BLDC	BLDC
	Airflow (H/M/L)	CFM	777/706/636	1,130/989/848
Unit Data	Rated Amps	A	1.6	2.3
	Factory Set External Static Pressure	in. wg	0.24	0.24
	Max. External Static Pressure	in. wg	0.59	0.59
	Sound Pressure Level (H/M/L)[4]	dB(A)	37/35/34	44/42/40
	Dimensions (WxHxD)	in	35-7/16 x 10-5/8 x 27-9/16	49-3/16 x 10-5/8 x 27-9/16
	Weight (Net/Shipping)	lbs	59/72	86/100
Piping	Liquid Pipe	in	1/4	3/8
	Vapor Pipe	in	1/2	5/8
	Drain (OD, ID)	in	1-1/4, 1	1-1/4, 1
Controller	Additional Accessory[5]		Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] 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.

[5] All LG wired controls are compatible and can be considered for control.

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MULTI F INDOOR UNITS

Vertical AHU

LG ThinQ®

Specification		Unit	LVN181HV4	LVN241HV4	LVN361HV4
Capacity[1,2]	Cooling	Btu/h	18,000	24,000	36,000
	Heating	Btu/h	20,000	27,000	40,000
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60,1	208/230, 60, 1
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor Output x Qty	W	250 x 1	250 X 1	250 x 1
	Motor/Drive		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM
	Airflow (H/M/L)	CFM	640/580/480	710/640/480	990/880/800
Unit Data	Rated Amps	A	1.1	1.1	1.1
	Max. External Static Pressure	in. wg	0.7	0.7	0.7
	Sound Pressure Level (H/M/L)[4]	dB(A)	35/33/30	36/34/30	44/41/39
	Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4
	Weight (Net/Shipping)	lbs	124/136	124/136	129/140
Piping	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	1/2	1/2	5/8
	Drain	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory[5]		Wired Controller	Wired Controller	Wired Controller

Note:

[1] Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.

[2] 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).

[3] All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

[4] 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.

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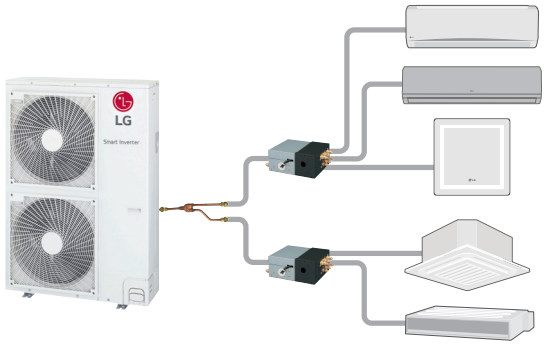
MULTI F MAX PIPING ACCESSORIES

Accessory Lineup

For	2 IDUs	3 IDUs	4 IDUs	4 IDUs
Branch Distribution Unit	PMBD3620	PMBD3630	PMBD3640	PMBD3641
Y-Branch		PMBL5620		

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	PMBD3620	PMBD3630	PMBD3640	PMBD3641
Max Nominal Port Capacity	Each Port	Btu/h	24,000	24,000	24,000	Ports A ~ C: 24,000, Port D: 36,000
	Sum of Ports	Btu/h	48,000	72,000	73,000	73,000
Connectable Indoor Units[1]			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	16	24	32	32
Rated Amps		A	0.08	0.12	0.16	0.16
Dimensions	WxHxD	inch	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32
Weight	Net	lbs	13	15	16	16
	Shipping	lbs	15	17	18	18
Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8	3/8
	Vapor	in	3/4	3/4	3/4	3/4
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)	Ports A ~ C: 1/4 Port D: 1/4
	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)	Ports A ~ C: 3/8 Port D: 1/2
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2	49.2
Max Pipe Elevation	BD Box to IDU	ft	32.8	32.8	32.8	32.8
	BD Box to BD Box	ft	49.2	49.2	49.2	49.2

Note :

[1] Branch Distribution Unit should be installed indoors.

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

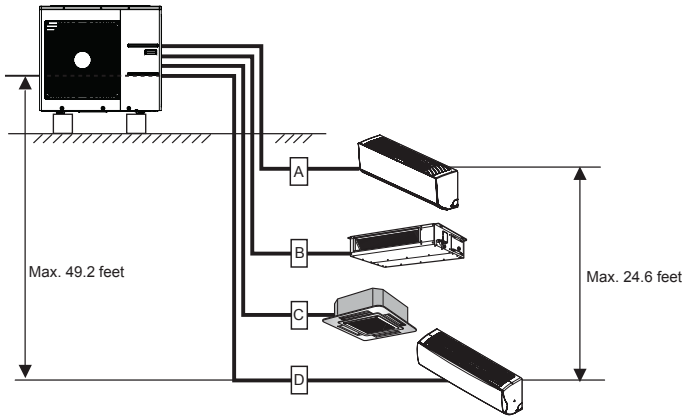
MULTI F PIPING SUMMARY

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

Multi F System

Example shown: LMU363HV outdoor unit with four (4) indoor units connected.

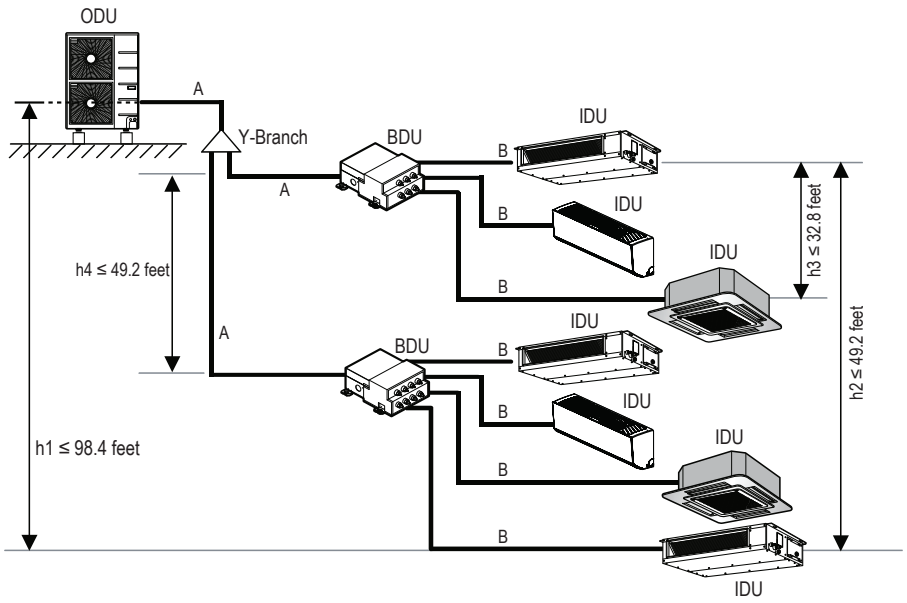
Model Number	Min Length Each Pipe (ft.)	Maximum Piping Length to each IDU (ft.)				Max. Total Piping Length for Each System (ft.)
		A	B	C	D	
LMU183HV	10	82	82	-	-	164
LMU243HV	10	82	82	82	-	230
LMU303HV	10	82	82	82	82	246.1
LMU363HV	10	82	82	82	82	246.1



Multi F MAX System

Example: LMU541HV 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

Pipe Length (ELF = Equivalent Length of pipe in Feet)	Total System Pipe Length (ΣA + ΣB)		≤475.7 feet
	Main pipe (Outdoor Unit to Branch Distribution Units: ΣA)	Minimum per segment	16.4 feet
		Maximum	≤180.4 feet
	Total Branch Pipe Length (ΣB)		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: ΣB)	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

Σ A: Main Pipe
Σ B: Branch Pipe (BDU(s) to IDU(s))

CONTROLS

Individual Control

PREMTC00U

PREMTB100

PREMTA200

PWLSSB21H

PREMTA000

PREMTBVC2,3,4

ZRTBS01

Model	Description
PREMTC00U	Simple Wired Remote Controller
PREMTB100	Standard III Wired Remote Controller
PREMTA200	Deluxe Wired Remote Controller
PWLSSB21H	Wireless Remote Controller
PREMTA000	Premium Wired 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

ZVRCZWOC1

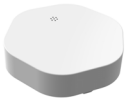
ZVRCZMTH1

ZVRCZTRH1

ZVRCZCOC1

ZVRCZDWS1

ZVRCZDWC1


ZVRCZWLS1

VCM8002V504

Model	Description
ZVRCZPWC1/2	ZigBee Pro Wireless Card
ZVRCZWOC1	Wireless Ceiling Mounted Occupancy Sensor
ZVRCZMTH1	CRC1/2 Motion, Temperature, Humidity sensor (Motion only for CRC1)
ZVRCZTRH1	RC2 Wireless Temperature & RH sensor
ZEDCO2G5045	CRC2 Wireless CO2, Temperature & RH sensor
ZVRCZCOC1	Ceiling Mounted Occupancy Sensor
ZVRCZDWS1	Door & Window Switch
ZVRCZDWC1	CRC1/2 Door & Window Contact
ZVRCZWLS1	CRC2 Water Leak Sensor
VCM8002V504	CRC2 WiFi Card

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ACCESSORIES

Indoor Accessories

PWFMDD200

PRARH0
PRARS1

PT-AAGW0
PT-QCHW0

PTVK430

ANEH***B1
ANEH***B2

Type	Model	Description	Used with
Wi-Fi Module	PWFMDD200	Connects to CN_WF or CN_WiFi depending on how the unit's board is marked	See Compatibility Table
Aux Heater Relay Kit	PRARH1	Auxiliary Heat Kit for Cassettes, Consoles and Ducted IDUs	See Compatibility Table
	PRARH0	Auxiliary Heat Kit for Cassettes, Consoles and Ducted IDUs	See Compatibility Table
	PRARS1	Auxiliary Heat Kit for Wall Mounted IDUs	See Compatibility Table
Cassette Grille	PT-AAGW0	4-Way Ceiling Cassette 3X3 Grille	LCN***HV[1]
	PT-QCHW0[2]	4-Way Ceiling Cassette 2x2 Grille	LMCN***HV, LCN***HV4
	PT-AFGW0S	Premium 3x3 Grille (includes Air Purification Kit)	LCN***HV[1]
	PT-AHMP0	Air Purification Kit	LCN***HV[1]
	PT-AEGW0	Auto Elevation 3x3 Grille	LCN***HV[1]
	PT-DCA	3x3 Decorative Cover	LCN***HV[1]
	PT-VSAA0	Human Detection Sensor	LCN***HV[1]
	PT-FSMA0	Floor Temperature Sensor	LCN***HV[1]
Cassette Ventilation	PTVK430	3" Ø Ventilation Air Connection for all 4-Way Ceiling Cassettes	All 4-Way Ceiling Cassettes
VAHU Heat Kit	ANEH033B1	3 kW Electric Heat Kit for VAHU	LVN**1HV4, LVN***HV
	ANEH053B1	5 kW Electric Heat Kit for VAHU	LVN**1HV4, LVN***HV
	ANEH083B2	8 kW Electric Heat Kit for VAHU	LVN**1HV4, LVN***HV
	ANEH103B2	10 kW Electric Heat Kit for VAHU	LVN**1HV4, LVN***HV
	ANEH153B2	15 kW Electric Heat Kit for VAHU	LVN***HV
	ANEH203B2	20 kW Electric Heat Kit for VAHU	LVN***HV
VAHU Vertical Down Flow Conversion Kit	PNDFJ0	Vertical Down Flow Conversion Kit	LVN**1HV4
	PNDFK0	Vertical Down Flow Conversion Kit	LVN***HV
HSD Filter Box	FBXM101A	High-capacity filter box for M1 chassis	LHN248HV
	FBXM201A	High-capacity filter box for M2 chassis	LHN368HV
	FBXM301A	High-capacity filter box for M3 chassis	LHN428HV, LHN488HV

Air Technologies

ARVU053ZEA2 / ARVU063ZEA2

ARVU093ZFA2 / ARVU123ZFA2

PSNFP14A0

Category	Model	Description
ERV	ARVU053ZEA2	Energy Recovery Ventilator 465 cfm
	ARVU063ZEA2	Energy Recovery Ventilator 600 cfm
	ARVU093ZFA2	Energy Recovery Ventilator 900 cfm
	ARVU123ZFA2	Energy Recovery Ventilator 1,200 cfm
ERV Accessory	PSNFP14A0	PI485 for ERV (INDOOR)

Note:
[1] Accessory is not compatible with LCN***HV4 models.
[2] PTDCQ cover is compatible with 2x2 cassettes and a PT-UQC grille. Newer/smaller PT-QCHW0 grille does not fit the cover opening.
Due to our commitment to continued innovation, some specifications may be changed without notification.

ACCESSORIES

Outdoor Accessories

Base Pan Heater

Wind Baffle

Category	Model	Description	Used with
Wind Baffle	ZLABGP01A	Wind Baffle for Low Ambient Cooling	LSU090HSV5 LSU120HSV5 LUU097HV LUU127HV
	ZLABGP02A	Wind Baffle for Low Ambient Cooling	LSU180HSV5
	ZLABGP03A	Wind Baffle for Low Ambient Cooling	LAU090HYV3 LAU120HYV3 LMU183HV LMU243HV
	ZLABGP04A	Wind Baffle for Low Ambient Cooling	LAU150HYV3 LAU180HYV3 LAU240HYV3 LSU243HLV3 LSU303HLV3 LSU363HLV3 LUU180HHV LUU189HV LUU240HHV LUU249HV LUU360HHV LUU369HV LUU420HHV LUU428HV LUU429HV LUU480HHV LUU488HV LMU180HHV LMU240HHV LMU300HHV LMU303HV LMU361HHV LMU363HV LMU421HHV LMU481HV LMU480HHV LMU541HV LMU601HV
Drain Pan Heater	PQSH1200	Drain Pan Heater	LMU303HV LMU363HV LMU481HV LMU541HV LMU601HV LUU189HV LUU249HV LUU369HV LUU428HV LUU429HV LUU488HV
	PQSH1201	Drain Pan Heater	LSU180HSV5
	PQSH1202	Drain Pan Heater	LUU097HV LUU127HV
	PQSH1203	Drain Pan Heater	LMU183HV LMU243HV

Note:
1. Multi F MAX, LUU36*HV, LUU42*HV, and LUU48*HV require Qty 2 of ZLABGP04A.
2. Drain Pan Heater is factory supplied for outdoor units featuring LGRED® heat, HLV3 outdoor units, and 9k and 12k Btu/h LSU***HSV5 outdoor units
3. Drain Pan Heater is compatible with Multi F and Multi F MAX units manufactured after May 2015 and listed LUU***HV models manufactured after April 2017.

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

INDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Single Zone Indoor Accessories and Service Accessories

PWFMDD200

PREMTBVC2
PREMTBVC3
PREMTBVC4

PREMTA000

PREMTC00U

PREMTB100

PREMTA200

PDRYCB100
PDRYCB320
PDRYCB400

ZRTBS01

PZCWRCG3
PZCWRC1

PRARS1
PRARH(0,1)

Single Zone		Wi-Fi Module w/ Cable	LG MultiSITE™ Remote Controllers	Premium Remote Controller	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
		PWFMDD200	PREMTBVC2 PREMTBVC3 PREMTBVC4	PREMTA00	PREMTC00U	PREMTB100	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH(0,1)
Art Cool™ Mirror	LAN090HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN120HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN180HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
Art Cool™ Premier	LAN090HYV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN120HYV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN150HYV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN180HYV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LAN240HYV3	Built-In	O	O	O	O	O	O	X	X	O	-
Extended Piping	LSN243HLV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LSN303HLV3	Built-In	O	O	O	O	O	O	X	X	O	-
	LSN363HLV3	Built-In	O	O	O	O	O	O	X	X	O	-
High Efficiency	LSN090HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
	LSN120HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
	LSN180HSV5	Built-In	O	O	O	O	O	O	X	X	O	-
Standard Efficiency	LSN090HFV3	X	O	O	O	O	O	O	X	X	O	-
	LSN120HFV3	X	O	O	O	O	O	O	X	X	O	-
	LSN180HFV3	X	O	O	O	O	O	O	X	X	O	-
	LSN240HFV3	X	O	O	O	O	O	O	X	X	O	-
Mega	LSN090HEV2	X	O[1]	O[1]	O[1]	O[1]	O[1]	O[2]	X	X	O	-
	LSN120HEV2	X	O[1]	O[1]	O[1]	O[1]	O[1]	O[2]	X	X	O	-
	LSN180HEV2	X	O[1]	O[1]	O[1]	O[1]	O[1]	O[2]	X	X	O	-
	LSN240HEV2	X	O[1]	O[1]	O[1]	O[1]	O[1]	O[2]	X	X	O	-
	LSN090HXV2	X	O	O	O	O	O	O	X	X	O	-
	LSN120HXV2	X	O	O	O	O	O	O	X	X	O	-
Console	LQN090HV4	O	O	O	O	O	O	O	O	O	O	O
	LQN120HV4	O	O	O	O	O	O	O	O	O	O	O
4-Way Ceiling Cassette	LCN098HV4	O	O	O	O	O	O	O	O	O	O	O
	LCN128HV4	O	O	O	O	O	O	O	O	O	O	O
	LCN188HV4	O	O	O	O	O	O	O	O	O	O	O
	LCN249HV	O	O	O	O	O	O	O	O	O	O	O
	LCN369HV	O	O	O	O	O	O	O	O	O	O	O
	LCN429HV	O	O	O	O	O	O	O	O	O	O	O
	LCN489HV	O	O	O	O	O	O	O	O	O	O	O
Low Static Ducted	LDN097HV4	O[3]	O	O	O	O	O	O	O	O	O	O
	LDN127HV4	O[3]	O	O	O	O	O	O	O	O	O	O
	LDN187HV4	O	O	O	O	O	O	O	O	O	O	O
High Static Ducted	LHN248HV	O	O	O	O	O	O	O	O	O	O	O
	LHN368HV	O	O	O	O	O	O	O	O	O	O	O
	LHN428HV	O	O	O	O	O	O	O	O	O	O	O
	LHN488HV	O	O	O	O	O	O	O	O	O	O	O
Vertical AHU	LVN181HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN241HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN361HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN420HV	O	O	O	O	O	O	O	O	O	O	O
	LVN480HV	O	O	O	O	O	O	O	O	O	O	O

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

[1] Accessory wired controllers are applicable for 9/12kBtu product manufactured July 2019+ and 18/24kBtu product manufactured January 22, 2020+

[2] Accessory dry contacts are applicable for product manufactured August 2019+

Accessory Wi-Fi module is applicable for product manufactured June 2018+

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INDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Multi-Zone Indoor Accessories and Service Accessories

PWFMDD200

PREMTBVC2
PREMTBVC3
PREMTBVC4

PREMTA000

PREMTC00U

PREMTB100

PREMTA200

PDRYCB100
PDRYCB320
PDRYCB400

ZRTBS01

PZCWRCG3
PZCWRC1

PRARS1
PRARH(0,1)

Multi-Zone		Wi-Fi Module w/ Cable	LG MultiSITE™ Remote Controllers	Premium Remote Controller	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
		PWFMDD200	PREMTBVC2 PREMTBVC3 PREMTBVC4	PREMTA000	PREMTC00U	PREMTB100	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARS1	PRARH(0,1)
Art Cool™ Gallery	LMAN097HVP	O[1]	O	O	O	O	O	O	X	O	O	O[2]	-
	LMAN127HVP	O[1]	O	O	O	O	O	O	X	O	O	O[2]	-
Art Cool™ Mirror	LAN090HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LAN120HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LAN180HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
High Efficiency	LMN079HVT	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LSN090HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LSN120HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LMN159HVT	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LSN180HSV5	Built-In	O	O	O	O	O	O	X	O	O	O	-
	LMN249HVT	Built-In	O	O	O	O	O	O	X	O	O	O	-
Console	LQN090HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LQN120HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LMQN150HV	O	O	O	O	O	O	O	O	O	O		O
4-Way Ceiling Cassette	LMCN078HV	O	O	O	O	O	O	O	O	O	O	-	O
	LCN098HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LCN128HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LCN188HV4	O	O	O	O	O	O	O	O	O	O	-	O
Low Static Ducted	LDN097HV4	O[3]	O	O	O	O	O	O	O	O	O	-	O
	LDN127HV4	O[3]	O	O	O	O	O	O	O	O	O	-	O
	LDN187HV4	O	O	O	O	O	O	O	O	O	O	-	O
High Static Ducted	LHN248HV	O	O	O	O	O	O	O	O	O	O	-	O
	LHN368HV	O	O	O	O	O	O	O	O	O	O	-	O
Vertical AHU	LVN181HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LVN241HV4	O	O	O	O	O	O	O	O	O	O	-	O
	LVN361HV4	O	O	O	O	O	O	O	O	O	O	-	O

Note:

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[1] Accessory Wi-Fi module is applicable for product manufactured January 2019+

[2] Emergency Heat function is not available with Aux Heat Relay Kit

Accessory Wi-Fi module is applicable for product manufactured June 2018+

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OUTDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Single Zone Outdoor Accessories and Service Accessories

PMNFP14A1

PQNUD1S41

PACS5A000

PBACNBTR0A

ZHWLONWK0

PLGMVW100

Single Zone		PI485 for ODU	PDI Premium	Central Control Integration Solution	AC Smart BACnet®	LG MultiSITE™ Communications Manager	LonWorks Module[1]	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41	PACS5A000	PBACNA000	PBACNBTR0A	ZHWLONWK0	PLGMVW100	PRCTIL0
High Efficiency	LSU090HSV5	O	O	O	O	O	O	O	O
	LSU120HSV5	O	O	O	O	O	O	O	O
Art Cool™ Mirror	LSU180HSV5	O	O	O	O	O	O	O	O
Art Cool™ Premier	LAU090HYV3	O	O	O	O	O	O	O	O
	LAU120HYV3	O	O	O	O	O	O	O	O
	LAU150HYV3	O	O	O	O	O	O	O	O
	LAU180HYV3	O	O	O	O	O	O	O	O
	LAU240HYV3	O	O	O	O	O	O	O	O
Extended Piping	LSU243HLV3	O	O	O	O	O	O	O	O
	LSU303HLV3	O	O	O	O	O	O	O	O
	LSU363HLV3	O	O	O	O	O	O	O	O
Standard Efficiency	LSU090HFV3	X	X	X	X	X	X	O	O
	LSU120HFV3	X	X	X	X	X	X	O	O
	LSU180HFV3	X	X	X	X	X	X	O	O
	LSU240HFV3	X	X	X	X	X	X	O	O
Mega	LSU090HEV2	X	X	X	X	X	X	O	O
	LSU120HEV2	X	X	X	X	X	X	O	O
	LSU180HEV2	X	X	X	X	X	X	O	O
	LSU240HEV2	X	X	X	X	X	X	O	O
	LSU090HXV2	X	X	X	X	X	X	O	O
	LSU120HXV2	X	X	X	X	X	X	O	O
Console 4-Way Ceiling Cassette Low Static Ducted High Static Ducted Vertical AHU	LUU097HV	O	O	O	O	O	O	O	O
	LUU127HV	O	O	O	O	O	O	O	O
	LUU189HV	O	O	O	O	O	O	O	O
	LUU249HV	O	O	O	O	O	O	O	O
	LUU369HV	O	O	O	O	O	O	O	O
	LUU429HV	O	O	O	O	O	O	O	O
	LUU428HV	O	O	O	O	O	O	O	O
	LUU488HV	O	O	O	O	O	O	O	O
	LUU180HHV	O	O	O	O	O	O	O	O
	LUU240HHV	O	O	O	O	O	O	O	O
	LUU360HHV	O	O	O	O	O	O	O	O
	LUU420HHV	O	O	O	O	O	O	O	O
	LUU480HHV	O	O	O	O	O	O	O	O

Note:
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[1]LonWorks module requires the LG MultiSITE™ Communications Manager (PBACNBTR0A).
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OUTDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Multi-Zone Outdoor Accessories and Service Accessories

PMNFP14A1

PQNUD1S41

PACS5A000

PBACNBTR0A

ZHWLONWK0

PLGMVW100

Multi-Zone		PI485 for ODU	PDI Premium	Central Control Integration Solution	LG MultiSITE™ Communications Manager	LG MultiSITE™ VM3	LonWorks® Module[1]	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41	PACS5A000	PBACNBTR0A	PBACNBTR1B	ZHWLONWK0	PLGMVW100	PRCTIL0
Multi F	LMU183HV	O	O	O	O	O	O	O	O
	LMU180HHV	O	O	O	O	O	O	O	O
	LMU243HV	O	O	O	O	O	O	O	O
	LMU240HHV	O	O	O	O	O	O	O	O
	LMU303HV	O	O	O	O	O	O	O	O
	LMU300HHV	O	O	O	O	O	O	O	O
	LMU363HV	O	O	O	O	O	O	O	O
Multi F MAX	LMU361HHV	O	O	O	O	O	O	O	O
	LMU421HHV	O	O	O	O	O	O	O	O
	LMU480HHV	O	O	O	O	O	O	O	O
	LMU481HV	O	O	O	O	O	O	O	O
	LMU541HV	O	O	O	O	O	O	O	O
	LMU601HV	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.

[1] 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.

ENERGY STAR® SYSTEMS

With several models designated as ENERGY STAR® systems, LG Air Conditioning Systems have industry-leading SEER and HSPF ratings.

Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF
204825177	LAU090HYV3	LAN090HYV3	15.8	27.5	13.5
204825178	LAU120HYV3	LAN120HYV3	13.8	13.8	12.5
204825179	LAU150HYV3	LAN150HYV3	15.0	25.0	13.5
204825180	LAU180HYV3	LAN180HYV3	14.4	24.0	13.0
204825181	LAU240HYV3	LAN240HYV3	13.0	22.5	12.5
10567393	LSU090HSV5	LAN090HSV5	14.5	23.5	11.3
10570122	LSU120HSV5	LAN120HSV5	12.5	22.7	11.4
10567390	LSU180HSV5	LAN180HSV5	12.6	21.5	10.2
10567394	LSU090HSV5	LSN090HSV5	14.5	23.5	11.3
10570123	LSU120HSV5	LSN120HSV5	12.5	22.7	11.4
10567391	LSU180HSV5	LSN180HSV5	12.6	21.5	10.2
204825182	LSU243HLV3	LSN243HLV3	13.0	21.5	12.0
202544305	LSU090HEV2	LSN090HEV2	12.5	20.0	10.0
205049408	LUU097HV	LQN090HV4	12.6	21.0	10.4
205049407	LUU127HV	LQN120HV4	12.6	20.8	10.2
203381526	LUU097HV	LCN098HV4	13.65	20.2	10.5
203381517	LUU127HV	LCN128HV4	12.6	19.4	10.4
205788763	LUU180HHV	LCN188HV4	12.8	20.0	11.1
202177384	LUU189HHV	LCN188HV4	12.5	20.5	10.0
205788764	LUU240HHV	LCN249HV	12.6	21.0	10.2
205788768	LUU360HHV	LCN369HV	12.6	21.5	11.0
205788765	LUU420HHV	LCN429HV	12.8	19.5	11.6
205788771	LUU480HHV	LCN489HV	12.5	17.5	11.7
8931561	LUU097HV	LDN097HV4	12.7	18.5	10.3
8931559	LUU127HV	LDN127HV4	12.9	19.6	10.5
205788766	LUU180HHV	LDN187HV4	12.5	18.8	10.0
205788767	LUU240HHV	LHN248HV	12.5	18.2	10.8
205788769	LUU360HHV	LHN368HV	12.5	19.0	10.2
205788770	LUU420HHV	LHN428HV	12.5	19.0	10.9
205788772	LUU480HHV	LHN488HV	12.5	18.7	11.2
203161351	LUU189HV	LVN181HV4	13.3	19.2	10.4
205788774	LUU180HHV	LVN181HV4	13.6	19.2	10.4
205788775	LUU240HHV	LVN241HV4	12.7	19.5	11.0
205788773	LUU360HHV	LVN361HV4	12.5	17.8	10.7
205788776	LUU420HHV	LVN420HV	12.5	19.6	11.0
205788777	LUU480HHV	LVN480HV	12.5	19.0	10.5

ENERGY STAR® and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

ENERGY STAR® SYSTEMS

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF
10445372	LMU180HHV	Non-Ducted Indoor Units	13.5	21.0	10.0
10516996	LMU180HHV	Mixed Combination	12.75	19.25	9.5
10445374	LMU240HHV	Non-Ducted Indoor Units	13.5	21.0	10.7
10516997	LMU240HHV	Mixed Combination	12.5	19.0	9.85
10445376	LMU300HHV	Non-Ducted Indoor Units	12.5	20.0	11.0
206717007	LMU361HHV	Non-Ducted Indoor Units	14.5	22.0	11.5
206717012	LMU361HHV	Mixed Combination	14.0	20.5	11.0
206717006	LMU361HHV	Ducted Indoor Units	13.5	19.0	10.5
206717001	LMU421HHV	Non-Ducted Indoor Units	13.8	21.5	11.5
206717013	LMU421HHV	Mixed Combination	13.5	20.3	11.0
206717008	LMU421HHV	Ducted Indoor Units	13.1	19.0	10.5
206717002	LMU480HHV	Non-Ducted Indoor Units	13.1	20.5	11.0
206717014	LMU480HHV	Mixed Indoor Units	12.9	19.5	10.8
206717009	LMU480HHV	Ducted Indoor Units	12.6	18.5	10.5
206716999	LMU481HV	Non-Ducted Indoor Units	12.8	20.8	10.5
206717010	LMU481HV	Mixed Indoor Units	12.7	19.9	10.5
206717004	LMU481HV	Ducted Indoor Units	12.6	19.0	10.5
206717000	LMU541HV	Non-Ducted Indoor Units	12.6	20.6	10.0
206717011	LMU541HV	Mixed Indoor Units	12.6	19.6	10.0
206717005	LMU541HV	Ducted Indoor Units	12.5	18.5	10.0

AHRI Reference Number	Outdoor	Indoor	EER2 95° F	SEER2	HSPF2
208131884	LMU183HV	Non-Ducted Combination	13.5	22.5	9.6
208132537	LMU183HV	Mixed Combination	13.0	20.5	9.3
208131885	LMU183HV	Ducted Combination	12.5	18.5	9
208131886	LMU243HV	Non-Ducted Combination	12.5	22.5	9.4
208132538	LMU243HV	Mixed Combination	12.5	20.5	9.2
208131887	LMU243HV	Ducted Combination	12.5	18.5	9.0
208131888	LMU303HV	Non-Ducted Combination	13	22	9.2
208132539	LMU303HV	Mixed Combination	12.5	20.3	9.0
208131889	LMU303HV	Ducted Combination	12	18.5	8.8
208131890	LMU363HV	Non-Ducted Combination	12.5	21.5	9.0
208132540	LMU363HV	Mixed Combination	12.1	19.8	8.8
208131891	LMU363HV	Ducted Combination	11.7	18	8.6

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

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

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

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HOW TO READ LG MODEL NUMBERS

SINGLE ZONE SYSTEMS – INDOOR/OUTDOOR

L	A	N	09	0	H	YV	3
Brand	Family	Component	Nominal Capacity	Generation	Cycle	Product Type	Features

Brand
- **L** LG

Family
- **A** Art Cool™ Wall Mounted
- **C** Four-Way Ceiling Cassette
- **D** Ceiling-Concealed Duct (Low Static)
- **Q** Console
- **H** Ceiling-Concealed Duct (High Static)
- **S** Standard Wall Mounted
- **U** Cassette/Duct ODU
- **V** Vertical Air Handling Unit

Component
- **N** Indoor Unit
- **U** Outdoor Unit

Nominal Capacity
- **09** 9,000
- **12** 12,000
- **15** 15,000
- **18** 18,000
- **24** 24,000
- **30** 30,000
- **36** 36,000
- **42** 42,000
- **48** 48,000

Generation
- **0~8**

Cycle
- **H** Heat Pump

Product Type
- **EV** Mega Inverter
- **FV** Standard Efficiency
- **LV** Extended Pipe Inverter
- **HV** High Heat (LGRED°) Inverter Heat Pump
- **SV** Art Cool™ Mirror Inverter & High-Efficiency Inverter
- **V** Standard Inverter
- **XV** Mega 115V Inverter
- **YV** Art Cool™ Premier Inverter

Features
- **1~2~3~4~5** Model-Specific Features/Improvements

MULTI-ZONE SYSTEMS – INDOOR/OUTDOOR[1]

L	M	N	15	9	HV	T
Brand	Family	Product	Nominal Capacity	Generation	Cycle/Type	Style

Brand
- **L** LG

Family
- **M** Multi-Zone

Product
- **AN** Art Cool™ Wall Mounted Indoor Unit
- **CN** Four-Way Ceiling-Cassette Indoor Unit
- **DN** Ceiling-Concealed Duct (Low Static) Indoor Unit
- **HN** Ceiling-Concealed Duct (High Static) Indoor Unit
- **N** Standard Wall Mounted Indoor Unit
- **VN** Vertical-Horizontal Air Handling Indoor Unit
- **U** Outdoor Unit
- **QN** Console

Nominal Capacity
- **07** 7,000
- **09** 9,000
- **12** 12,000
- **15** 15,000
- **18** 18,000
- **24** 24,000
- **30** 30,000
- **36** 36,000
- **42** 42,000
- **48** 48,000
- **54** 54,000
- **60** 60,000

Generation
- **0~5~6~7~8~9~C**

Cycle/Type
- **HV** Inverter Heat Pump
- **HHV** High Heat (LGRED°) Inverter Heat Pump

Style
- **P** Art Cool™ Gallery IDU
- **T** High Wall IDU

Note:
Multi-compatible Single Zone IDU nomenclature is conveyed in the Single Zone Systems Section.

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