



RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

LG Air Conditioning Technologies



ABOUT LG



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.



About LG Electronics USA

LG Electronics USA, Inc., based in Englewood Cliffs, NJ, is the North American subsidiary of LG Electronics, Inc., a \$54 billion global force and technology leader in consumer electronics, home appliances and mobile communications. LG Electronics, a proud ENERGY STAR® Partner of the Year, sells a range of stylish and innovative home entertainment products, mobile phones, home appliances, commercial displays, air conditioning systems and solar energy solutions in the United States, all under LG's "Life's Good" marketing theme. For more news and information on LG Electronics, please visit www.LG.com.

LG Electronics USA Air Conditioning Technologies

The LG Electronics USA Commercial Air Conditioning business is based in Alpharetta, Ga. 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. For more information, please visit www.lghvac.com.

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, sustainable products.

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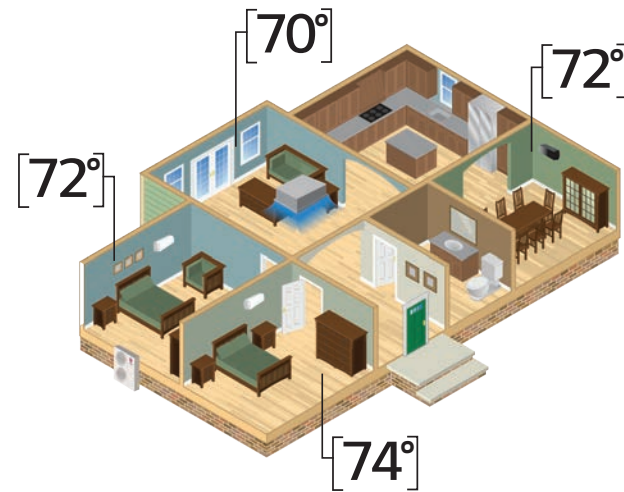
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LG ADVANTAGES

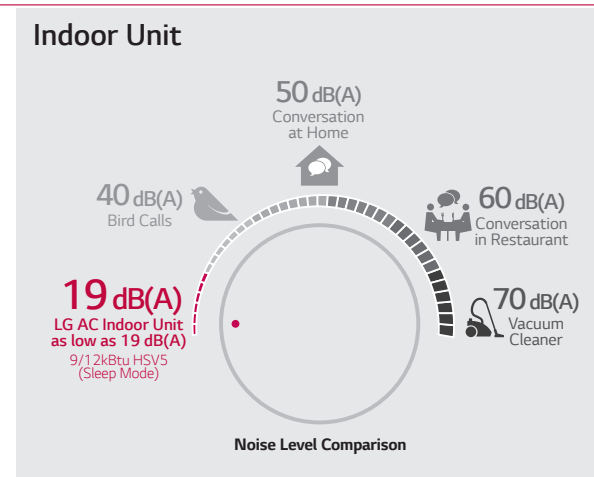
ROOM-BY-ROOM CONTROL

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.



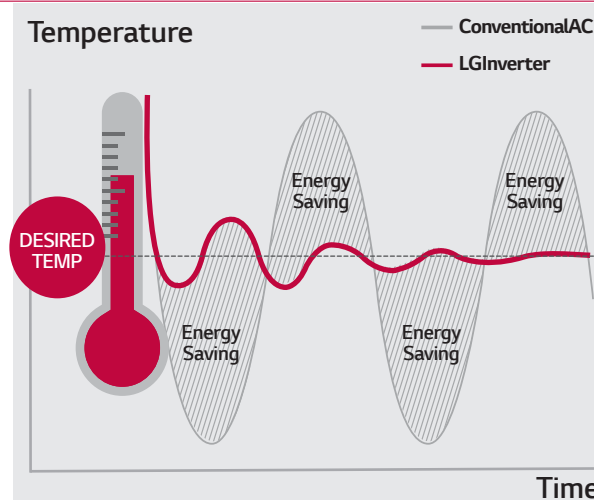
QUIET OPERATION

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

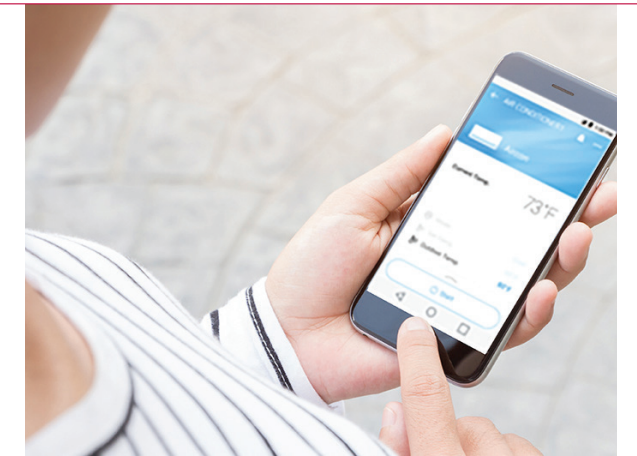
Outdoor units with an inverter, variable-speed, compressor use less energy and are measurably quieter than conventional air conditioning units. Unlike conventional systems that cycle on and off, an inverter compressor ramps up or down to match the capacity needed to maintain comfort levels selected by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



LG ADVANTAGES

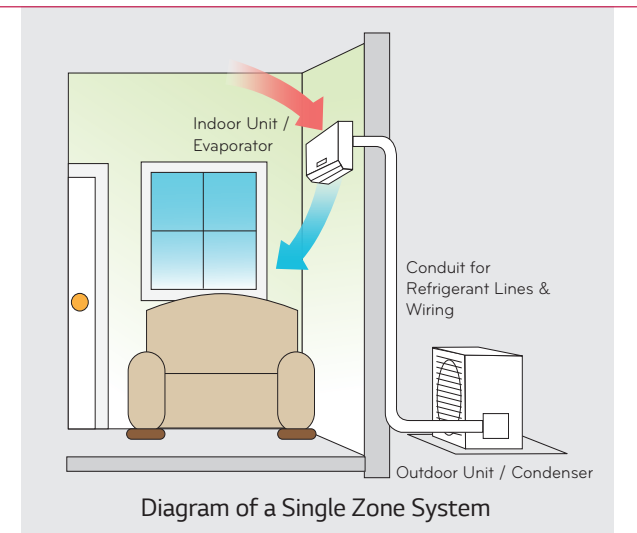
LG THINQ®

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.



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 and New Jersey. 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.

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 Excellence Contractors 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



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 an enhanced 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

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.



DEHUMIDIFYING MODE

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



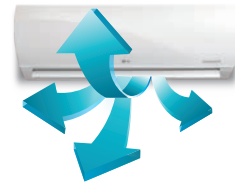
OPTIMIZED AIRFLOW



Jet Cool / Jet Heat Mode operates the unit at a high speed to quickly cool or heat a room.



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



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



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.



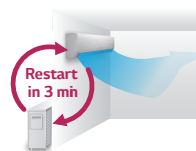
AUTO SLEEP MODE

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



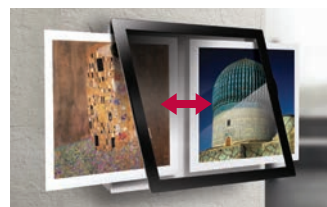
AUTO RESTART

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

SINGLE ZONE

		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
	High Static						LH248HV4 LH248HHV4		LH368HV4 LH368HHV4	LH428HHV	LH488HHV
Ducted	Low Static		LD097HV4	LD127HV4		LD187HV4 LD187HHV4					
	Vertical AHU					LV181HV4 LV181HHV4	LV241HV4 LV241HHV4		LV361HV4 LV361HHV4	LV420HV LV420HHV	LV480HV LV480HHV

ART COOL™ MIRROR



LG ThinQ®



LA090HSV5
LA120HSV5
LA180HSV5

Specification	Unit	LA090HSV5	LA120HSV5	LA180HSV5
Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
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
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
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
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
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
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
Indoor (Max/H/M/L)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
Outdoor Max	dB(A)	48	48	53
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).
3. 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.
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 0°F in cooling mode for applicable outdoor units.
6. Airflow shown is in cooling mode.
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.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

ART COOL™ PREMIER



LGRED®

LG ThinQ®

LA090HYV3
LA120HYV3
LA150HYV3
LA180HYV3
LA240HYV3



Specification	Unit	LA090HYV3	LA120HYV3	LA150HYV3	LA180HYV3	LA240HYV3
Indoor Unit		LAN090HYV3	LAN120HYV3	LAN150HYV3	LAN180HYV3	LAN240HYV3
Outdoor Unit		LAU090HYV3	LAU120HYV3	LAU150HYV3	LAU180HYV3	LAU240HYV3
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
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
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
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	34-1/4x25-19/32x13	34-1/4x25-19/32x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13
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
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
Indoor (Max/H/M/L)	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
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).
3. 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.
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 0°F in cooling mode for applicable outdoor units.
6. Airflow shown is in cooling mode.
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.
9. LGRED applies to 9-18MBH models.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

EXTENDED PIPING



LG ThinQ®

LS243HLV3
LS303HLV3
LS363HLV3



Specification	Unit	LS243HLV3	LS303HLV3	LS363HLV3
Indoor Unit		LSN243HLV3	LSN303HLV3	LSN363HLV3
Outdoor Unit		LSU243HLV3	LSU303HLV3	LSU363HLV3
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
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	15.31/15.31	15.85/15.85	15.85/15.85
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
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
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
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
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
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.
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HIGH EFFICIENCY



LG ThinQ®

LS090HSV5
LS120HSV5
LS180HSV5



Specification	Unit	LS090HSV5	LS120HSV5	LS180HSV5
Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
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
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
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
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
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
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
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
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.
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CONSOLE



LG ThinQ®

LQ090HV4
LQ120HV4

Specification	Unit	LQ090HV4	LQ120HV4
Indoor Unit		LQN090HV4	LQN120HV4
Outdoor Unit		LUU097HV	LUU127HV
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
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
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
IDU Dimensions (WxHxD)	in	27-9/16x23-5/8x8-9/32	27-9/16x23-5/8x8-9/32
ODU Dimensions (WxHxD)	in	30-5/16x21-15/32x11-11/32	30-5/16x21-15/32x11-11/32
IDU Weight (Net/Shipping)	lbs	35.9/42.5	35.9/42.5
ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80
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
Indoor (H/M/L)	dB(A)	38 / 32 / 27	39 / 32 / 27
Outdoor Max	dB(A)	52	52
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:

- 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.
- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.

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4-WAY CASSETTE (2x2)

LC098HV4
LC128HV4

LC188HV4



Specification	Unit	LC098HV4	LC128HV4	LC188HV4
Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4
Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
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	29.4, 12.6	20.5, 12.5
HSPF		10.5	10.4	10
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
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
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
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
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 x 1	Twin Rotary x 1	Twin Rotary x 1
Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV
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
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	PQWRHQFDB	PQWRHQFDB	PQWRHQFDB
Accessories	Grille	PT-QCHWO	PT-QCHWO	PT-QCHWO
	Grille Weight (Net/Shipping)	lbs	7/9	7/9

Note:

- 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.
- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.

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4-WAY CASSETTE (2x2) with LGRED°



LGRED°

LC188HHV4



Specification	Unit	LC188HHV4
Indoor Unit		LCN188HV4
Outdoor Unit		LUU180HHV
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
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
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
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
IDU Weight (Net/Shipping)	lbs	31.5 / 40
ODU Weight (Net/Shipping)	lbs	133.4 / 144.4
Airflow (Max/H/M/L) ⁵	CFM	494 / 460 / 424 / 388
Dehumidification	pts/hr	4.28
Compressor Type		R1 Scroll x 1
Refrigerant Type		R410A / EEV
Indoor (H/M/L/SL)	dB(A)	41 / 39 / 36 / 33
Outdoor Max (Cool/Heat)	dB(A)	51 / 52
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
Supplied		PQWRHQFDB
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 -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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4-WAY CASSETTE (3x3) 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
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
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
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
IDU Dimensions (WxHxD)	in	33-3/32 x 8-1/32 x 33-3/32	33-3/32 x 11-11/32 x 33-3/32	33-3/32 x 11-11/32 x 33-3/32	33-3/32 x 11-11/32 x 33-3/32
ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
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
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 x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV	R410A / EEV
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
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
Supplied		AKB75735404	AKB75735404	AKB75735404	AKB75735404
Grille		PT-AAGWO	PT-AAGWO	PT-AAGWO	PT-AAGWO
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 -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.
 Due to our commitment to continued innovation, some specifications may be changed without notification.

LOW STATIC DUCTED



LG ThinQ®

LD097HV4
LD127HV4
LD187HV4



LOW STATIC DUCTED with LGRED°



LG ThinQ®

LD187HHV4



LGRED°

Specification	Unit	LD097HV4	LD127HV4	LD187HV4
Indoor Unit		LDN097HV4	LDN127HV4	LDN187HV4
Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
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
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
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
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
IDU Weight (Net/Shipping)	lbs	39/46	51/60	49/58
ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80	128/140
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
Indoor (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
Outdoor Max	dB(A)	51	52	52
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:

- 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.
- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.
- All LG wired controls are compatible and can be considered for control.
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Specification	Unit	LD187HHV4
Indoor Unit		LDN187HV4
Outdoor Unit		LUU180HHV
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
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
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
IDU Dimensions (WxHxD)	in	35-7/16 x 7-15/32 x 27-9/16
ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13
IDU Weight (Net/Shipping)	lbs	48.5 / 57.3
ODU Weight (Net/Shipping)	lbs	133.4 / 144.4
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 x 1
Refrigerant Type		R-410A
Indoor (H/M/L)	dB(A)	36 / 34 / 31
Outdoor Max	dB(A)	52
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:

- 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.
- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -4°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.
- All LG wired controls are compatible and can be considered for control.
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HIGH STATIC DUCTED



LG ThinQ®

LH248HV4 LH368HV4



Specification	Unit	LH248HV4	LH368HV4
Indoor Unit		LHN248HV	LHN368HV
Outdoor Unit		LUU249HV	LUU369HV
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
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
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)
Operating Range			
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 x 1	Scroll x 1
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 Pipr	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.
 8. All LG wired controls are compatible and can be considered for control.
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HIGH STATIC DUCTED with LGRED®



LG ThinQ®

LGRED®

















LH248HHV4 LH368HHV4
LH428HHV4
LH488HHV4





























Specification	Unit	LH248HHV4	LH368HHV4	LH428HHV4	LH488HHV4
Indoor Unit		LHN248HV	LHN368HV	LHN428HV	LHN488HV
Outdoor Unit		LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
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	Btu/h	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
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
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)
Operating Range					
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 x 10-5/8 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16
ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
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	7.9	7.61
Max External Static Pressure	in wg	0.59	0.59	0.59	0.59
Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
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 Pipr	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.
 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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MULTI-ZONE Lineup

OUTDOOR UNITS			
Btu/h	Multi F	Maximum Indoor Units	Combination Sample
18,000	 LMU180HV  LMU180HHV	2	
24,000	 LMU240HV  LMU240HHV	3	
30,000	 LMU30CHV  LMU300HHV	4	
36,000	 LMU36CHV	4	
Btu/h	Multi F MAX	Maximum Indoor Units	
36,000	 LMU360HHV 	5	
42,000	 LMU420HHV 	6	
48,000	 LMU480HV	8	
54,000	 LMU540HV	8	
60,000	 LMU600HV	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	
Ceiling Cassette	Low Wall Console		 LQN090HV4	 LQN120HV4	 LMQN150HV			
	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

LMU180HV
LMU240HV



LMU30CHV
LMU36CHV



Specification	Unit	LMU180HV	LMU240HV	LMU30CHV	LMU36CHV	
Capacity^{1,2}	Rated Cooling Capacity	Btu/h	18,000	23,600	30,000	32,000
	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	9,240 - 38,400	9,240 - 41,600
	Max Heating Capacity at 17°F	Btu/h	20,200	21,400	26,739	29,105
	Max Heating Capacity at 5°F	Btu/h	17,700	18,000	20,622	22,057
	Max Heating Capacity at -4°F	Btu/h	14,800	14,800	13,753	15,823
	SEER, EER ³		22.5, 13.5	22.5, 13.5	22.0, 13.0	22.0, 13.0
Power	HSPF ³		11.0	11.0	10.0	10.0
	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	1.75	2.31	2.46
	Heating Power Input	kW	1.79	1.72	2.49	2.74
	MCA, MOCP	A	15.8, 20	16.0, 20	16.6, 25.0	17.9, 25
	Rated Amps (Cool/Heat)	A	12.8/12.8	13.0/ 13.0	13.93/13.93	15.13/15.13
	Power/Communication Wiring ⁴	No. x AWG	4 x 14	4 x 14	4 x 14	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	14 - 118
Optional Wind Baffle ⁵			ZLABGP03A (-4°F)	ZLABGP03A (-4°F)	ZLABGP04A (-4°F)	ZLABGP04A (-4°F)
Dimensions & Weight	Dimensions (WxHxD)	in	34-1/4x25-19/32x13	34-1/4x25-19/32x13	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	137/148	137/148
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	52/55	52/55
	Maximum Air Volume	CFM	1,766	1,766	2,119	2,119
	Minimum Connectable IDUs	Qty	2	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4	4
	Max Total IDU Connected Capacity	Btu/h	24,000	33,000	40,000	48,000
	Piping⁷	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	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
Precharge Pipe Length		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	6.18	6.18
Additional Refrigerant		oz/ft	0.22	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. 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 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
Power	SEER, EER ³		21, 13.5	21, 13.5	20, 12.5
	HSPF ³		10	10.7	11
	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
	Piping⁸	Liquid Pipe	in	1/4 x 2	1/4 x 3
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 size 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.

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

MULTI F MAX OUTDOOR UNITS



LMU480HV
LMU540HV
LMU600HV

Specification	Unit	LMU480HV	LMU540HV	LMU600HV
Capacity^{1,2}	Rated Cooling Capacity	Btu/h	48,000	52,500
	Cooling Capacity Range	Btu/h	14,400 - 58,000	14,400 - 63,200
	Rated Heating Capacity	Btu/h	54,000	58,000
	Heating Capacity Range	Btu/h	15,840 - 61,000	16,272 - 64,000
	Max Heating Capacity at 17°F	Btu/h	49,014	51,832
	Max Heating Capacity at 5°F	Btu/h	38,900	41,137
	Max Heating Capacity at -4°F	Btu/h	27,529	29,112
	SEER, EER ³		19.5, 12.5	18.4, 10.3
Power	HSPF ³		10.0	8.7
	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	3.84	5.1
	Heating Power Input	kW	4.32	5.4
	MCA, MOCP	A	27.3, 40	29.4, 40
	Rated Amps (Cool/Heat)	A	22.96/22.96	24.76/24.76
	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
	Operating Range	Heating Operation Range	°F WB	-4 - 64
Cooling Operation Range		°F DB	14 - 118	14 - 118
Optional Wind Baffle ⁵			ZLABGP04A x 2 (-4°F)	ZLABGP04A x 2 (-4°F)
Dimensions & Weight		Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13
	Weight (Net/Shipping)	lbs	214/236	214/236
Unit Data	Refrigerant Type		R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating) ⁶	dB(A)	54/56	54/56
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	8	8
	Max Total IDU Connected Capacity	Btu/h	65,000	73,000
	Piping⁷	Liquid Pipe	in	3/8
Vapor Pipe		in	3/4	3/4
Maximum Total Pipe Length		ft	475.7	475.7
Minimum Pipe Length per Segment		ft	9.8	9.8
Maximum Pipe Length ODU to IDU		ft	229.6	229.6
Maximum Main Pipe Length		ft	180.4	180.4
Precharge Pipe Length		ft	Main: 16.4, Branch: 131.2	Main: 16.4, Branch: 131.2
Maximum Elevation ODU to IDU		ft	98.4	98.4
Maximum Elevation IDU to IDU		ft	49.2	49.2
Maximum Elevation BDU to IDU		ft	32.8	32.8
Maximum Elevation BDU to BDU		ft	49.2	49.2
Factory Charge of R410A		lbs	9.7	9.7
Additional Refrigerant	oz/ft	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).
3. 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.
4. Values when matched with non-ducted units only.
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 with LGRED[®]



LMU360HHV
LMU420HHV

LGRED[®]

Specification	Unit	LMU360HHV	LMU420HHV
Capacity^{1,2}	Rated Cooling Capacity	Btu/h	36,000
	Cooling Capacity Range	Btu/h	11,700 - 46,733
	Rated Heating Capacity	Btu/h	41,000
	Heating Capacity Range	Btu/h	13,455 - 50,200
	Max Heating Capacity at 17°F	Btu/h	45,510
	Max Heating Capacity at 5°F	Btu/h	41,000
	Max Heating Capacity at -4°F	Btu/h	36,900
	Max Heating Capacity at -13°F	Btu/h	32,390
Power	SEER, EER ³		21, 15
	HSPF ³		11.5
	Voltage	V, Hz, Ø	208/230, 60, 1
	Cooling Power Input	kW	2.4
	Heating Power Input	kW	2.93
	MCA, MOCP	A	30.2, 45
	Rated Amps	A	25.06
	Power/Communication Wiring ⁴	A	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14
Operating Range	Heating Operation Range	°F WB	-13 - 64
	Cooling Operation Range	°F DB	14 - 118
	Optional Wind Baffle ⁵		ZLABGP04A x 2 (-4°F)
	Dimensions & Weight	Dimensions (WxHxD)	in
Weight (Net/Shipping)		lbs	222.7/249.1
Unit Data	Refrigerant Type		R410A
	Compressor Type		Twin Rotary
	Sound Pressure (Cooling / Heating) ⁶	dB(A)	54 / 57
	Maximum Air Volume	CFM	2,119 x 2
	Minimum Connectable IDUs	Qty	2
	Maximum Connectable IDUs	Qty	5
	Max Total IDU Connected Capacity	Btu/h	48,000
	Piping⁷	Liquid Pipe	in
Vapor Pipe		in	3/4
Maximum Total Pipe Length		ft	475.7
Minimum Pipe Length per Segment		ft	9.8
Maximum Pipe Length ODU to IDU		ft	229.6
Maximum Main Pipe Length (ODU to BDU)		ft	180.4
Maximum Branch Piping		ft	295.3
Maximum Pipe Length BDU to IDU		ft	49.2
Precharge Pipe Length		ft	Main: 16.4, Branch: 131.2
Maximum Elevation ODU to IDU		ft	98.4
Maximum Elevation IDU to IDU		ft	49.2
Maximum Elevation BDU to IDU		ft	32.8
Maximum Elevation BDU to BDU	ft	49.2	
Factory Charge of R410A	lbs	12.3	
Additional Refrigerant	oz/ft	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 INDOOR UNITS

LG ThinQ®

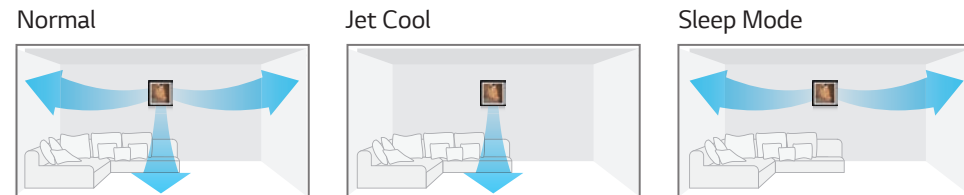


ART COOL™ Gallery

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

Digital Airflow Control

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



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:

- 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.
- Rated cooling capacity obtained with air entering the indoor unit at 80 °F dry bulb (DB) and 67 °F wet bulb (WB) and outdoor ambient conditions of 95 °F dry bulb (DB) and 75 °F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70 °F dry bulb (DB) and 60 °F wet bulb (WB) and outdoor ambient conditions of 47 °F dry bulb (DB) and 43 °F wet bulb (WB).
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- 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. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

LG ThinQ®



ART COOL™ Mirror

Specification	Unit	LAN090HSV5	LAN120HSV5	LAN180HSV5
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000
	Heating	Btu/h	10,900	13,600
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		Cross Flow	Cross Flow
	Motor Output x Qty	W	30 x 1	30 x 1
	Motor/Drive		BLDC	BLDC
	Airflow (H/M/L)	CFM	268/218/169	282/233/177
	Rated Amps	A	0.4	0.4
Unit Data	Sound Pressure Level (H/M/L) ⁴	dB(A)	36/32/27	38/34/29
	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
	Weight (Net/Shipping)	lbs	20.5/25.6	20.5/25.6
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	AKB74955602	AKB74955602	AKB74955602

High Efficiency

LG ThinQ®



Specification	Unit	LMN079HVT	LSN090HSV5	LSN120HSV5	LMN159HVT	LSN180HSV5	LMN249HVT	
Capacity ^{1,2}	Cooling	Btu/h	7,000	9,000	12,000	14,300	24,000	
	Heating	Btu/h	8,100	10,900	13,600	15,600	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	
	Power/Communication Wiring ³	No. x AWG	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	
	Heating	°F DB	59 - 81	59 - 81	59 - 81	59 - 81	59 - 81	
Fan	Type		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	
	Motor/Drive		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
	Rated Amps	A	0.4	0.4	0.4	0.4	0.4	
Unit Data	Sound Pressure Level (H/M/L) ⁴	dB(A)	35/31/26	36/32/27	38/34/29	42/38/32	44/38/34	
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	Weight (Net/Shipping)	lbs	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	
	Vapor Pipe	in	3/8	3/8	3/8	3/8	1/2	
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	
Controller	Supplied	AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602	

Note:

- 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.
- Rated cooling capacity obtained with air entering the indoor unit at 80 °F dry bulb (DB) and 67 °F wet bulb (WB) and outdoor ambient conditions of 95 °F dry bulb (DB) and 75 °F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70 °F dry bulb (DB) and 60 °F wet bulb (WB) and outdoor ambient conditions of 47 °F dry bulb (DB) and 43 °F wet bulb (WB).
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- 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. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

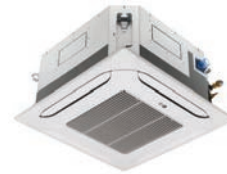
LG ThinQ®



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
Piping	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	
	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	
	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
Piping	Drain (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1
	Controller	Supplied ⁵	AKB73757604	AKB73757604	AKB73757604	AKB73757604
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.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

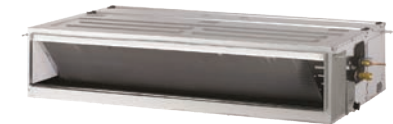
LG ThinQ®



Low Static Ducted

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
Piping	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
	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
Piping	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

LG ThinQ®



High Static Ducted

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
Piping	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
	Liquid Pipe	in	1/4	3/8
	Vapor Pipe	in	1/2	5/8
Piping	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.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

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
	Liquid Pipe	in	1/4	1/4	3/8
Piping	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.
 5. Due to our commitment to continued innovation, some specifications may be changed without notification.

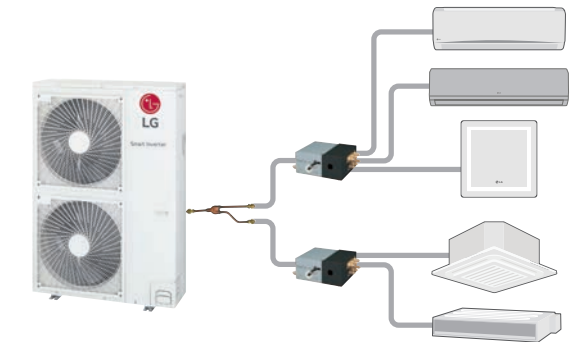
MULTI F MAX PIPING ACCESSORIES

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	Each Port	Btu/h	24,000	24,000	24,000
Port Capacity	Sum of Ports	Btu/h	48,000	72,000	73,000
Connectable Indoor Units ¹			1 - 2	1 - 3	1 - 4
Operating Range		°F DB	0 - 150	0 - 150	0 - 150
Voltage		V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
Power Input		W	16	24	32
Rated Amps		A	0.08	0.12	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
	Net	lbs	13	15	16
Weight	Shipping	lbs	15	17	18
Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8
	Vapor	in	3/4	3/4	3/4
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)
	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2
	BD Box to IDU	ft	32.8	32.8	32.8
Max Pipe Elevation	BD Box to BD Box	ft	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.

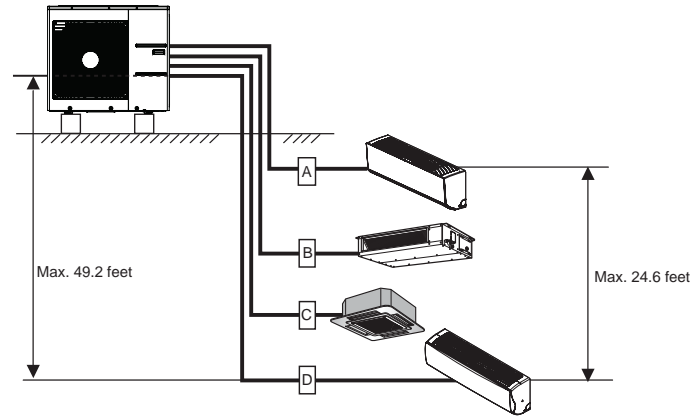
MULTI F PIPING SUMMARY

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: LMU36CHV 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	
LMU180HV	10	82	82	-	-	164
LMU240HV	10	82	82	82	-	230
LMU30CHV	10	82	82	82	82	246.1
LMU36CHV	10	82	82	82	82	246.1

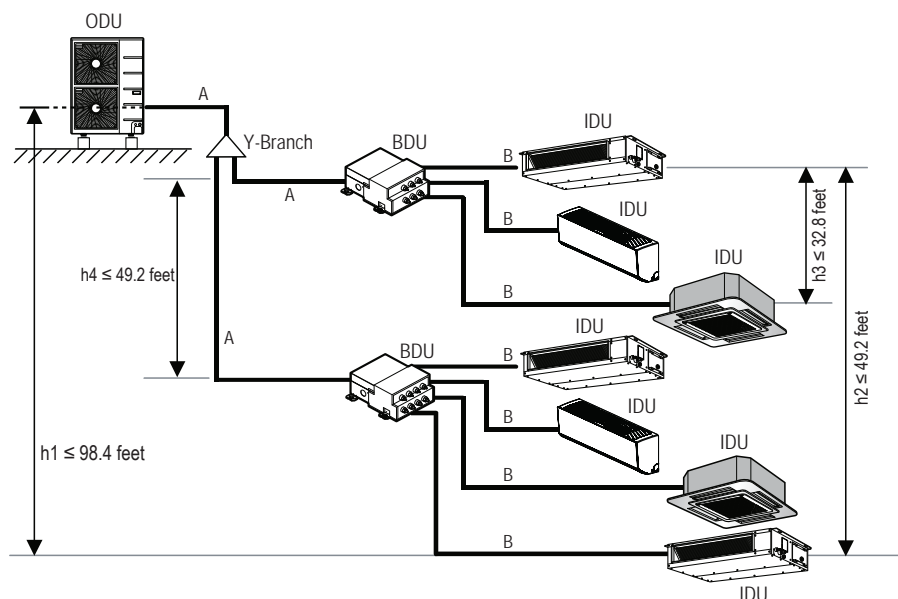


Multi F MAX System

Example: LMU540HV 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 ($\Sigma A + \Sigma B$)		≤475.7 feet
	Main pipe (Outdoor Unit to Branch Distribution Units: ΣA)	Minimum per segment	10 feet
Maximum		≤180.4 feet	
Total Branch Pipe Length (ΣB)			≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: ΣB)	Minimum	10 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
			≤49.2 feet



KEY:
 ODU: Outdoor Unit
 IDU: Indoor Unit
 BDU: Branch Distribution Unit (s)
 A, B, C, D: Pipes from ODU to IDU
 ΣA : Main Pipe
 ΣB : Branch Pipe (BDU(s) to IDU(s))

CONTROLS

Individual Control



Model	Description
PREMTC00U	Simple Wired Remote Controller
PQWRHQ0FDB	Wireless Remote Controller
PREMTA000	Premium Wired Remote Controller
PREMTBVC0	LG MultiSITE™ Remote Controller
PREMTBVC1	LG MultiSITE™ Remote Controller with Occupancy Sensor
ZRTBS01	Remote Temperature Button Sensor

LG MultiSITE™ Remote Controller Accessories



Model	Description
ZVRCZPWC1	ZigBee Pro Wireless Card
ZVRCZDWS1	Wireless Door & Window Switch
ZVRCZWOC1	Wireless Ceiling Mounted Occupancy Sensor
ZVRCZCOC1	Wireless Wall Mounted Occupancy Sensor

Integration Devices



Model	Description
PBACNBTR0A	LG MultiSITE™ Communications Manager
PDRYCB100	Simple Dry Contact
PDRYCB320	Dry Contact for Thermostat (5-12VDC, 24VAC)
PDRYCB400	Dry Contact for Economizer/Setback
PLNWK100	LonWorks® Gateway
PMNFP14A1	PI 485 for DFS
PZCWRC1	32.8' Wired Remote Extension Cable
PZCWRCG3	Group Control Cable Kit (required for each additional A/H with single zone controller)
PACP5A000	ACP 5
PACS5A000	AC Smart™ 5

ACCESSORIES

Indoor Accessories



Type	Model	Description	Used with
Wi-Fi Module	PWFMD200	Connects to CN_WF or CN_WiFi depending on how the unit's board is marked	See Compatibility Table
Aux Heater Relay Kit	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
Cassette Grille	PRARS1	Auxiliary Heat Kit for Wall Mounted IDUs	See Compatibility Table
	PT-AAGW0	4-Way Ceiling Cassette 3X3 Grille	LCN***HV ¹
Cassette Ventilation	PT-QCHW0	4-Way Ceiling Cassette 2x2 Grille	LMCN***HV, LCN***HV4
	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



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)
	PES-CORVO	CO ₂ Sensor

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

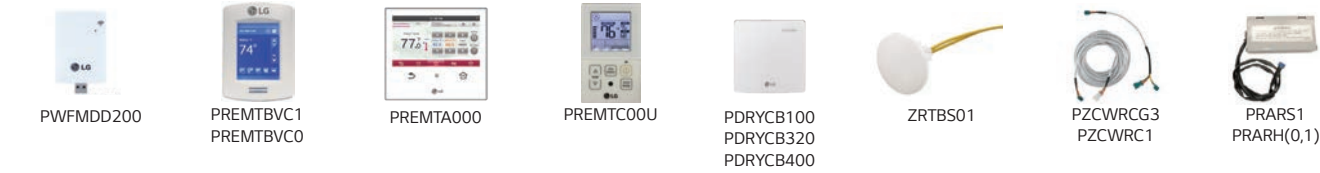


Category	Model	Description	Used with	
Wind Baffle	ZLABGP01A	Wind Baffle for Low Ambient Cooling	LSU090HSV5 LSU120HSV5 LUU097HV LUU127HV	
	ZLABGP02A	Wind Baffle for Low Ambient Cooling	LSU180HSV5	
	ZLABGP03A	Wind Baffle for Low Ambient Cooling	LAU090HYV3 LAU120HYV3 LMU180HV LMU240HV	
Wind Baffle	ZLABGP04A	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 LMU30CHV LMU360HHV LMU36CHV LMU420HHV LMU480HV LMU540HV LMU600HV	
	Drain Pan Heater	PQSH1200	Drain Pan Heater	LMU30CHV LMU36CHV LMU480HV LMU540HV LMU600HV LUU189HV LUU249HV LUU369HV LUU428HV LUU429HV LUU488HV
		PQSH1201	Drain Pan Heater	LSU180HSV5
		PQSH1202	Drain Pan Heater	LUU097HV LUU127HV
	Drain Pan Heater	PQSH1203	Drain Pan Heater	LMU180HV LMU240HV

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



Single Zone		Wi-Fi Module w/ Cable PWFMD200	LG MultiSITE™ Remote Controllers PREMTBVC0 PREMTBVC1	Premium Remote Controller PREMTA000	Simple Controller PREMTC00U	Dry Contact PDRYCB100 PDRYCB320 PDRYCB400	Remote Temp/ Button Sensor ZRTBS01	Group Control PZCWRCG3	Cable Extension PZCWRC1	Aux Heater Relay Kit PRARS1 PRARH(0,1)
Art Cool™ Mirror	LAN090HSV5	Built-In	0	0	0	0	X	X	0	-
	LAN120HSV5	Built-In	0	0	0	0	X	X	0	-
	LAN180HSV5	Built-In	0	0	0	0	X	X	0	-
Art Cool™ Premier	LAN090HYV3	Built-In	0	0	0	0	X	X	0	-
	LAN120HYV3	Built-In	0	0	0	0	X	X	0	-
	LAN150HYV3	Built-In	0	0	0	0	X	X	0	-
	LAN180HYV3	Built-In	0	0	0	0	X	X	0	-
Extended Piping	LSN243HLV3	Built-In	0	0	0	0	X	X	0	-
	LSN303HLV3	Built-In	0	0	0	0	X	X	0	-
	LSN363HLV3	Built-In	0	0	0	0	X	X	0	-
High Efficiency	LSN090HSV5	Built-In	0	0	0	0	X	X	0	-
	LSN120HSV5	Built-In	0	0	0	0	X	X	0	-
	LSN180HSV5	Built-In	0	0	0	0	X	X	0	-
Standard Efficiency	LSN090HFV3	X	0	0	0	0	X	X	0	-
	LSN120HFV3	X	0	0	0	0	X	X	0	-
	LSN180HFV3	X	0	0	0	0	X	X	0	-
	LSN240HFV3	X	0	0	0	0	X	X	0	-
Mega	LSN090HEV2	X	0 ¹	0 ¹	0 ¹	0 ²	X	X	0	-
	LSN120HEV2	X	0 ¹	0 ¹	0 ¹	0 ²	X	X	0	-
	LSN180HEV2	X	0 ¹	0 ¹	0 ¹	0 ²	X	X	0	-
	LSN240HEV2	X	0 ¹	0 ¹	0 ¹	0 ²	X	X	0	-
	LSN090HXV2	X	0	0	0	0	X	X	0	-
Console	LSN120HXV2	X	0	0	0	0	X	X	0	-
	LQN090HV4	0	0	0	0	0	0	0	0	0
	LQN120HV4	0	0	0	0	0	0	0	0	0
4-Way Ceiling Cassette	LMQN150HV	0	0	0	0	0	0	0	0	0
	LCN098HV4	0	0	0	0	0	0	0	0	0
	LCN128HV4	0	0	0	0	0	0	0	0	0
	LCN188HV4	0	0	0	0	0	0	0	0	0
	LCN249HV	0	0	0	0	0	0	0	0	0
Low Static Ducted	LCN369HV	0	0	0	0	0	0	0	0	0
	LCN429HV	0	0	0	0	0	0	0	0	0
	LCN489HV	0	0	0	0	0	0	0	0	0
	LDN097HV4	0 ³	0	0	0	0	0	0	0	0
	LDN127HV4	0 ³	0	0	0	0	0	0	0	0
High Static Ducted	LDN187HV4	0	0	0	0	0	0	0	0	0
	LHN248HV	0	0	0	0	0	0	0	0	0
	LHN368HV	0	0	0	0	0	0	0	0	0
	LHN428HV	0	0	0	0	0	0	0	0	0
Vertical AHU	LHN488HV	0	0	0	0	0	0	0	0	0
	LVN181HV4	0	0	0	0	0	0	0	0	0
	LVN241HV4	0	0	0	0	0	0	0	0	0
	LVN361HV4	0	0	0	0	0	0	0	0	0
Vertical AHU	LVN420HV	0	0	0	0	0	0	0	0	0
	LVN480HV	0	0	0	0	0	0	0	0	0

Note: "0" 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+
3. Accessory Wi-Fi module is applicable for product manufactured June 2018+

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

INDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Multi-Zone Indoor Accessories and Service Accessories

Multi-Zone		Wi-Fi Module w/ Cable PWFMD200	LG MultiSITE™ Remote Controllers PREMTBVC0 PREMTBVC1	Premium Remote Controller PREMTA000	Simple Controller PREMTC00U	Dry Contact PDRYCB100 PDRYCB320 PDRYCB400	Remote Temp Button Sensor ZRTBS01	Group Control PZCWRCG3	Cable Extension PZCWRC1	Aux Heater Relay Kit PRARS1	Aux Heater Relay Kit PRARH(0,1)
Art Cool™ Gallery	LMAN097HVP	0 ¹	0	0	0	0	X	0	0	0 ²	-
	LMAN127HVP	0 ¹	0	0	0	0	X	0	0	0 ²	-
Art Cool™ Mirror	LAN090HSV5	Built-In	0	0	0	0	X	0	0	0	-
	LAN120HSV5	Built-In	0	0	0	0	X	0	0	0	-
	LAN180HSV5	Built-In	0	0	0	0	X	0	0	0	-
High Efficiency	LMN079HVT	Built-In	0	0	0	0	X	0	0	0	-
	LSN090HSV5	Built-In	0	0	0	0	X	0	0	0	-
	LSN120HSV5	Built-In	0	0	0	0	X	0	0	0	-
	LMN159HVT	Built-In	0	0	0	0	X	0	0	0	-
	LSN180HSV5	Built-In	0	0	0	0	X	0	0	0	-
	LMN249HVT	Built-In	0	0	0	0	X	0	0	0	-
Console	LQN090HV4	0	0	0	0	0	0	0	0	-	0
	LQN120HV4	0	0	0	0	0	0	0	0	-	0
	LMQN150HV	0	0	0	0	0	0	0	0	-	0
4-Way Ceiling Cassette	LMCN078HV	0	0	0	0	0	0	0	0	-	0
	LCN098HV4	0	0	0	0	0	0	0	0	-	0
	LCN128HV4	0	0	0	0	0	0	0	0	-	0
	LCN188HV4	0	0	0	0	0	0	0	0	-	0
Low Static Ducted	LDN097HV4	0 ³	0	0	0	0	0	0	0	-	0
	LDN127HV4	0 ³	0	0	0	0	0	0	0	-	0
	LDN187HV4	0	0	0	0	0	0	0	0	-	0
High Static Ducted	LHN248HV	0	0	0	0	0	0	0	0	-	0
	LHN368HV	0	0	0	0	0	0	0	0	-	0
Vertical AHU	LVN181HV4	0	0	0	0	0	0	0	0	-	0
	LVN241HV4	0	0	0	0	0	0	0	0	-	0
	LVN361HV4	0	0	0	0	0	0	0	0	-	0

Note: "0" 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 Wi-Fi module is applicable for product manufactured January 2019+
2. Emergency Heat function is not available with Aux Heat Relay Kit
3. Accessory Wi-Fi module is applicable for product manufactured June 2018+

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

OUTDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Single Zone Outdoor Accessories and Service Accessories



Single Zone		PI485 for ODU	PDI Premium & Standard	AC Smart5 Central Control	AC Smart BACnet®	ACP 5 Central Control	LG MultiSITE™ Communications Manager	LonWorks Module¹	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41 PPWRDB000	PACS5A000	PBACNA000	PACP5A000	PBACNBTR0A	ZHWLONWK0	PLGMVW100	PRCTILO
High Efficiency	LSU090HSV5	0	0	0	0	0	0	0	0	0
	LSU120HSV5	0	0	0	0	0	0	0	0	0
Art Cool™ Mirror	LSU180HSV5	0	0	0	0	0	0	0	0	0
	LAU090HYV3	0	0	0	0	0	0	0	0	0
Art Cool™ Premier	LAU120HYV3	0	0	0	0	0	0	0	0	0
	LAU150HYV3	0	0	0	0	0	0	0	0	0
	LAU180HYV3	0	0	0	0	0	0	0	0	0
	LAU240HYV3	0	0	0	0	0	0	0	0	0
Extended Piping	LSU243HLV3	0	0	0	0	0	0	0	0	0
	LSU303HLV3	0	0	0	0	0	0	0	0	0
	LSU363HLV3	0	0	0	0	0	0	0	0	0
Standard Efficiency	LSU090HFV3	X	X	X	X	X	X	X	0	0
	LSU120HFV3	X	X	X	X	X	X	X	0	0
	LSU180HFV3	X	X	X	X	X	X	X	0	0
	LSU240HFV3	X	X	X	X	X	X	X	0	0
Mega	LSU090HEV2	X	X	X	X	X	X	X	0	0
	LSU120HEV2	X	X	X	X	X	X	X	0	0
	LSU180HEV2	X	X	X	X	X	X	X	0	0
	LSU240HEV2	X	X	X	X	X	X	X	0	0
	LSU090HXV2	X	X	X	X	X	X	X	0	0
LSU120HXV2	X	X	X	X	X	X	X	0	0	
Console	LUU097HV	0	0	0	0	0	0	0	0	0
	LUU127HV	0	0	0	0	0	0	0	0	0
	LUU189HV	0	0	0	0	0	0	0	0	0
	LUU249HV	0	0	0	0	0	0	0	0	0
	LUU369HV	0	0	0	0	0	0	0	0	0
4-Way Ceiling Cassette	LUU429HV	0	0	0	0	0	0	0	0	0
	LUU428HV	0	0	0	0	0	0	0	0	0
Low Static Ducted	LUU488HV	0	0	0	0	0	0	0	0	0
High Static Ducted Vertical AHU	LUU180HHV	0	0	0	0	0	0	0	0	0
	LUU240HHV	0	0	0	0	0	0	0	0	0
	LUU360HHV	0	0	0	0	0	0	0	0	0
	LUU420HHV	0	0	0	0	0	0	0	0	0
	LUU480HHV	0	0	0	0	0	0	0	0	0

Note:
 "0" in a cell indicates available; "X" indicates not available; "-" indicates not applicable.
 1. LonWorks module requires the LG MultiSITE™ Communications Manager (PBACNBTR0A).
 Due to our commitment to continued innovation, some specifications may be changed without notification.

OUTDOOR CONTROLS AND ACCESSORIES COMPATIBILITY

Multi-Zone Outdoor Accessories and Service Accessories



Multi-Zone		PI485 for ODU	PDI Premium & Standard	AC Smart5 Central Control	AC Smart BACnet®	ACP 5 Central Control	LG MultiSITE™ Communications Manager	LG MultiSITE™ VM3	LonWorks Module¹	Mobile LGMV	LGMV Service Tool
		PMNFP14A1	PQNUD1S41 PPWRDB000	PACS5A000	PBACNA000	PACP5A000	PBACNBTR0A	PBACNBTR1B	ZHWLONWK0	PLGMVW100	PRCTILO
Multi F	LMU180HV	0	0	0	0	0	0	0	0	0	0
	LMU180HHV	0	0	0	0	0	0	0	0	0	0
	LMU240HV	0	0	0	0	0	0	0	0	0	0
	LMU240HHV	0	0	0	0	0	0	0	0	0	0
	LMU30CHV	0	0	0	0	0	0	0	0	0	0
	LMU300HHV	0	0	0	0	0	0	0	0	0	0
	LMU36CHV	0	0	0	0	0	0	0	0	0	0
	LMU360HHV	0	0	0	0	0	0	0	0	0	0
Multi F MAX	LMU420HHV	0	0	0	0	0	0	0	0	0	0
	LMU480HV	0	0	0	0	0	0	0	0	0	0
	LMU540HV	0	0	0	0	0	0	0	0	0	0
	LMU600HV	0	0	0	0	0	0	0	0	0	0

Note:
 "0" 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® SYSTEMS

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF
206221543	LMU180HV	Non-Ducted Indoor Units	13.5	22.5	11.0
206221550	LMU180HV	Mixed Combination	13.0	20.5	10.3
206221549	LMU180HV	Ducted Indoor Units	12.5	18.5	9.6
10445372	LMU180HHV	Non-Ducted Indoor Units	13.5	21.0	10.0
10516996	LMU180HHV	Mixed Combination	12.75	19.25	9.5
206221544	LMU240HV	Non-Ducted Indoor Units	13.5	22.5	11.0
206221552	LMU240HV	Mixed Combination	13.0	20.5	10.4
206221551	LMU240HV	Ducted Indoor Units	12.5	18.5	9.8
10445374	LMU240HHV	Non-Ducted Indoor Units	13.5	21.0	10.7
10516997	LMU240HHV	Mixed Combination	12.5	19.0	9.85
8111355	LMU30CHV	Non-Ducted Indoor Units	13.0	22.0	10.0
10445376	LMU300HHV	Non-Ducted Indoor Units	12.5	20.0	11.0
7180063	LMU36CHV	Non-Ducted Indoor Units	13.0	22.0	10.0
10443472	LMU360HHV	Non-Ducted Indoor Units	15.0	21.0	11.5
10445111	LMU360HHV	Mixed Combination	14.25	19.25	11.0
10443475	LMU360HHV	Ducted Indoor Units	13.5	17.5	10.5
10443471	LMU420HHV	Non-Ducted Indoor Units	14.0	20.5	11.0
10444103	LMU420HHV	Mixed Combination	13.5	19.75	10.75
10443474	LMU420HHV	Ducted Indoor Units	13.0	19.0	10.5
8111358	LMU480HV	Non-Ducted Indoor Units	12.5	19.5	10.0



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 if your LG Air Conditioning System qualifies.

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

HOW TO READ LG MODEL NUMBERS

NOTES

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	H	Ceiling-Concealed Duct (High Static)
	C	Four-Way Ceiling Cassette	S	Standard Wall Mounted
	D	Ceiling-Concealed Duct (Low Static)	U	Cassette/Duct ODU
	Q	Console	V	Vertical Air Handling Unit
Component	N	Indoor Unit	U	Outdoor Unit
Nominal Capacity	09	9,000	24	24,000
	12	12,000	30	30,000
	15	15,000	36	36,000
	18	18,000	42	42,000
			48	48,000
Generation	0-8			
Cycle	H	Heat Pump		
Product Type	EV	Mega Inverter	V	Standard Inverter
	FV	Standard Efficiency	XV	Mega 115V Inverter
	LV	Extended Pipe Inverter	YV	Art Cool™ Premier Inverter
	HV	High Heat (LGRED®) Inverter Heat Pump		
	SV	Art Cool™ Mirror Inverter & High-Efficiency Inverter		
Features	1-2-3-4-5	Model-Specific Features/Improvements		

MULTI-ZONE SYSTEMS – INDOOR/OUTDOOR¹

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	N	Standard Wall Mounted Indoor Unit
	CN	Four-Way Ceiling-Cassette Indoor Unit	VN	Vertical-Horizontal Air Handling Indoor Unit
	DN	Ceiling-Concealed Duct (Low Static) Indoor Unit	U	Outdoor Unit
	HN	Ceiling-Concealed Duct (High Static) Indoor Unit	QN	Console
Nominal Capacity	07	7,000	30	30,000
	09	9,000	36	36,000
	12	12,000	42	42,000
	15	15,000	48	48,000
	18	18,000	54	54,000
	24	24,000	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:
1. Multi-compatible Single Zone IDU nomenclature is conveyed in the Single Zone Systems Section.



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Air Conditioning Technologies

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PB_Single_Multi_DFS_Systems_05_21