



RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

LG Air Conditioning Technologies



ABOUT LG



About LG Electronics Canada

LG Electronics Canada, Inc., based in Toronto, Ontario, is the Canadian subsidiary of LG Electronics, Inc., a \$48 billion global force and technology leader in consumer electronics, home appliances and mobile communications. LG Electronics, named an ENERGY STAR® Partner of the Year for many years, sells a range of stylish and innovative home entertainment products, mobile phones, home appliances, commercial displays, air conditioning systems and solar energy solutions in Canada, all under LG's "Life's Good" marketing theme. For more news and information on LG Electronics, please visit www.lg.ca.

LG Electronics Canada Air Conditioning Technologies

The LG Electronics Canada Air Conditioning Technologies business is based in Toronto, Ontario. LG is a leading player in the global air conditioning market, manufacturing both commercial and residential heat pumps and providing total sustainability and building management solutions. From consumer and individual units to industrial and specialized heat pump systems, LG provides a wide range of products for heating, ventilating and air conditioning. For more information, please visit www.lgdfs.ca.

DUCT-FREE SYSTEMS: A NEW WAY TO THINK ABOUT HEAT PUMPS

LG Heat Pump systems are
THE smart alternative to
traditional heating and cooling

For truly personalized comfort in all rooms, consider an LG Duct-Free Split heating and air conditioning system. LG heating and 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 heat pump systems can be right for every job.



Our Commitment to You:

- QUALITY** LG heat pump systems reflect our commitment to building high-quality products. Operating several 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** The LG training academy in Toronto Ontario, 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, 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 cooling and heat pump systems. Our continued efforts to look for the most innovative ideas in HVAC heat pump, 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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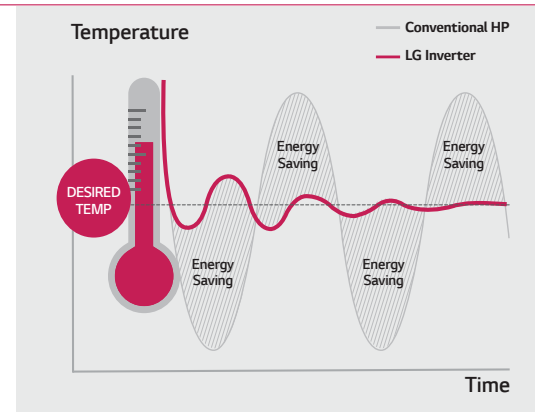
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LG ADVANTAGES



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.



LGRED° HEAT TECHNOLOGY

Products featuring LGRED° heat (Reliable to Extreme Degrees) boast superior performance under challenging conditions. Be toasty warm even in the coldest winter months, when traditional units are unable to keep up with demand. Expect 100% heating capacity down to -15° C and continuous heating operation, even when it's -25° C outside.

LGRED°

Powerful Heat Technology

RELIABLE TO EXTREME DEGREES



LG ThinQ®

Whenever, wherever and no matter how many heat pump systems you have, LG ThinQ™¹ let you easily access and control your system from your compatible smart device.

Contractors have always required a diagnostic trip to a site for service. This is no longer required with LG Smart Diagnosis. On select 2021 models, contractors can view simplified LGMV data including compressor speed, fan speeds, pipe & air temperatures, expansion valve settings and much more over-the-phone with Android or iOS.



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



10 YEAR WARRANTY

Use LG Heat Pump systems with peace of mind. With the warranty, it will allow users to experience LG's air conditioners that cool faster, last longer and run quieter. To enjoy the benefit of 10 year parts and compressor warranty, please register your product at LG.ca

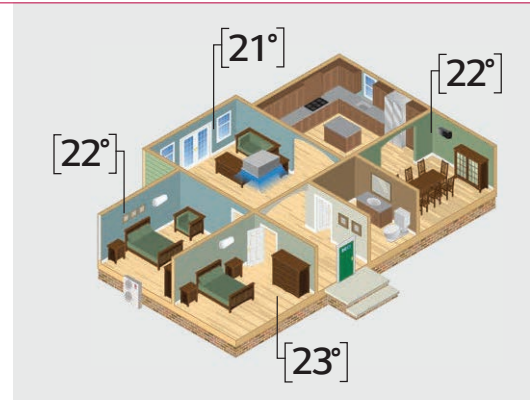


LG ADVANTAGES



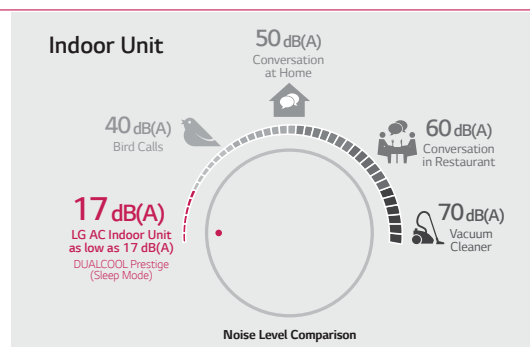
ROOM-BY-ROOM CONTROL

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



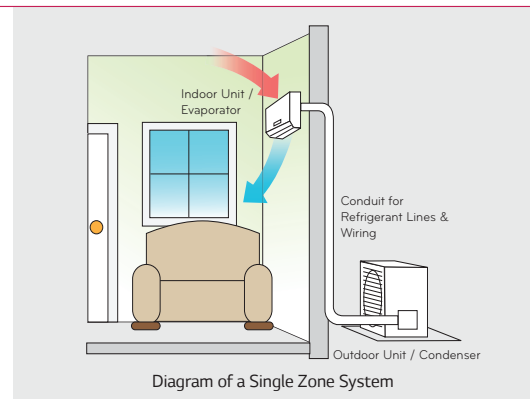
QUIET OPERATION

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



EASY INSTALLATION & 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 models of LG duct-free indoor units utilize 3M Micro Protection Filters² which reduce dust and microscopic particles including pollen, pet dander and odors. Additional primary filters are washable and antifungal, reducing life-time operation costs. Indoor units also self-clean the coil to protect against mold growth.

2. 3M Micro Protection Filter is available in select models. See product details for full compatibility.

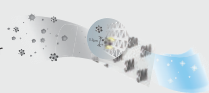
Self-Cleaning Indoor Coil

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



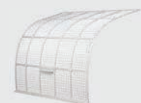
MICRO Dust Filter

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.



TRAINING & RECOGNITION



Training

The LG Canada Air Solutions division is headquartered in Toronto, Ontario, along with a full training academy. Since 2013, our academies have trained hundreds on the advantages of LG air conditioning systems. 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. LG also has a number of strategically placed partner academies throughout the United States that offer a number of LG training classes as well.

Service 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:

- **LG Monitoring View (LGMV)** Software and Mobile App both connect to LG Residential and Light Commercial Systems to allow technicians to troubleshoot accurately and evaluate equipment performance by interfacing directly with the unit. The software provides an accurate picture of an operating system without the need to check system temperatures manually, access the refrigerant circuit for system pressures, or perform time-consuming resistance and voltage tests. This service tool provides the most effective troubleshooting method for LG Heat Pump equipment.

AHRI Performance Awards



PTAC Award



VRF Award



WCCL Award



USAC Award



USHP Award



ACCL Award

LG's continuous excellence recognized at AHRI performance awards

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 a 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.

Below are a few of the best practices used by leading Canadian contractors across Canada during installation:

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:
- Multi F MAX to BD unit: 16-4
- All other wiring: Follow local guidelines
- L1 and L2 are polarity sensitive on all models
- Indoor units are 208/230 volts
- 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
- Consider Flaretite fittings for all connections and torque flares to specs
- 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 450 p.s.i.
- 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 / Philips Screwdriver
- Micron Gauge
- Vacuum Pump
- High-Quality Multimeter



WARRANTY PAGE



LG RESIDENTIAL / LIGHT COMMERCIAL SYSTEMS

Outdoor Units = ODUs, Indoor Units = IDUs Single-Zone Wall Mounted System Components

DUALCOOL Prestige: LAN***HYV3 IDUs / LAU***HYV3 ODUs, LAN090HYV1 IDUs/LAU090HYV1 ODUs
LAN120HYV1 IDUs/LAU120HYV1 ODUs (12KBtu), LAN150HYV2 IDUs/LAU150HYV2 ODUs(15KBtu)
LAN180HYV1 IDUs/LAU180HYV1 ODUs (18KBtu), LAN240HYV1 IDUs/LAU240HYV1 ODUs(24KBtu)
ARTCOOL : LAN***HSV5 IDUs / LSU***HSV5 ODUs
DUALCOOL : LSN***HSV5 IDUs / LSU***HSV5 ODUs
DUALCOOL Extended Piping : LSN**3HLV3 IDUs / LSU**3HLV3 ODUs, LSN**3HLV IDUs/LSU**3HLV ODUs
Low Wall Console : LQN***HV4 IDUs / LUU**7HV ODUs

Single-Zone AHUs/Cassette System Components

Low Static Ducted: LDN**7HV4 IDUs/ LUU**7HV ODUs, LDN187HV4 IDUs/LUU189HV ODUs
High Static Ducted: LHN**8HV4 IDUs / LUU**9HV ODUs
Ceiling-Cassette: LCN098HV4 IDUs / LUU097HV ODUs (9KBtu), LCN128HV4 IDUs / LUU127HV ODUs,
(12KBtu), LCN188HV4 IDUs / LUU189HV ODUs (18KBtu), LCN248HV IDUs/LUU249HV ODUs (24 KBtu)
LCN368HV IDUs/LUU369HV ODUs (36KBtu), LCN428HV IDUs / LUU429HV ODUs (42 KBtu)
Vertical Air Handling Units: LVN**0HV4 IDUs / LUU**8HV ODUs, LVN**0HV IDUs / LUU**8HV ODUs,
LVN**1HV4 IDUs, LUU**9HV ODUs

Multi HHV / Multi F / Multi F MAX Multi-Zone Outdoor Units / Branch Distribution Units

Multi HHV ODUs: LMU180HHV, LMU240HHV, LMU300HHV, LMU360HHV, LMU420HHV
Multi F ODUs: LMU180HV, LMU240HV, LMU30CHV, LMU36CHV
Multi F MAX ODUs: LMU480HV, LMU540HV, LMU600HV
Multi F MAX Branch Distribution Units: PMBD36**



















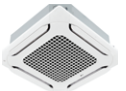
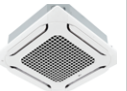
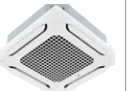
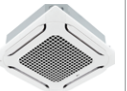






















Multi F / Multi F MAX Multi-Zone Indoor Units

DUALCOOL Wall Mounted IDUs: LSN***HSV5, LMN***HVT
ARTCOOL Wall-Mounted IDUs: LAN***HSV5
High-Static Ducted IDUs: LHN**8HV4
Low-Static Ducted IDUs: LDN***7HV4
Ceiling-Cassette IDUs: LCN***8HV4, LMCN***HV
Vertical / Horizontal Air Handling Units: LVN360HV4, LVN**1HV4
Low Wall Console IDUs: LQN***HV4, LMQN150HV

THIS LIMITED WARRANTY IS VALID IN CANADA AND APPLIES ONLY TO THE ORIGINAL END USE
PURCHASER OF THE SYSTEM AT THE SAME LOCATION ON WHICH THE SYSTEM WAS ORIGINALLY INSTALLED.
FOR A COPY OF THIS WARRANTY, VISIT WWW.LGDFS.CA

SINGLE ZONE SYSTEMS

Lineup

Btu/h		9,000	12,000	15,000	18,000	24,000	30,000	36,000	42,000	48,000
Wall Mounted	DUALCOOL™ Prestige	 LA090HYV3	 LA120HYV3	 LA150HYV3	 LA180HYV3	 LA240HYV3				
	ARTCOOL™ Mirror	 LA090HSV5	 LA120HSV5		 LA180HSV5					
	DUALCOOL	 LS090HSV5	 LS120HSV5		 LS180HSV5	 LS243HLV3 Extended Piping	 LS303HLV3 Extended Piping	 LS363HLV3 Extended Piping		
Ceiling Mounted	4-Way Cassette	 LC098HV4	 LC128HV4		 LC188HV4  LC188HHV4	 LGRED° LC249HHV		 LGRED° LC369HHV	 LGRED° LC429HHV	 LGRED° LC489HHV
	Console	 LQ090HV4	 LQ120HV4							
Ducted	Low Static	 LD097HV4	 LD127HV4		 LD187HV4  LGRED° LD187HHV4					
	High Static					 LH248HV4  LGRED° LH248HHV4	 LH368HV4  LGRED° LH368HHV4	 LGRED° LH428HHV	 LGRED° LH488HHV	
	Vertical AHU (Multi Position)				 LV181HV4  LGRED° LV181HHV4	 LV241HV4  LGRED° LV241HHV4		 LV361HV4  LGRED° LV361HHV4	 LV420HV  LGRED° LV420HHV	 LV480HV  LGRED° LV480HHV

LG DUALCOOL™ PRESTIGE



-30°C LGRED Low Temperature Operation

LG ThinQ®
LGRED®

LA090HYV3
LA120HYV3

LA150HYV3
LA180HYV3
LA240HYV3



Specification	Unit	LGRED® LA090HYV3	LGRED® LA120HYV3	LGRED® LA150HYV3	LGRED® LA180HYV3	LGRED® 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	
Capacity ^{1,2}	Max Heating Capacity at -8.3°C	Btu/h	11,940	14,760	21,430	24,920	27,360
	Max Heating Capacity at -15°C	Btu/h	11,000	13,600	18,950	23,600	23,700
	Max Heating Capacity at -25°C	Btu/h	8,030	9,640	14,660	15,680	17,740
SEER, EER		27.5, 15.79	25.5, 13.79	25, 15.00	24, 14.40	22.5, 13.00	
HSPF		13.5	12.5	13.5	13.0	12.5	
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	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
Operating Range	Rated Amps Cool/Heat	A	8.7/8.7	8.7/8.7	14.81/14.81	14.81/14.81	14.81/14.81
	ODU Heating Operation Range	°C WB	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18.3
	ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle ⁴		PAG-HS1 / PAG-HS3	PAG-HS1 / PAG-HS3	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
Dimensions	Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30	17.8 ~ 30	17.8 ~ 30	
	Setpoint Range Heating	°C	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	
	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
Weight	IDU Weight (Net/Shipping)	lbs	25.1/29.5	25.1/29.5	37.7/45.6	37.7/45.6	37.7/45.6
	ODU Weight (Net/Shipping)	lbs	93.9/103.2	93.9/103.2	135.4/147.7	135.4/147.7	135.4/147.7
Unit Data	Airflow (Max/H/M/L) ⁵	CFM	530/424/353/184	530/424/353/184	813/601/495/389	813/601/495/389	813/601/495/389
	Dehumidification	pts/hr	3.17	3.59	3.80	4.65	4.65
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure ⁶	Indoor (H/M/L/SL)	dB(A)	42/36/26/22	42/36/26/22	49/44/40/30	49/44/40/30	49/44/40/30
	Outdoor Max	dB(A)	50	50	56	56	56
Piping ⁷	Liquid Pipe	in	1/4	1/4	3/8	3/8	3/8
	Vapor Pipe	in	3/8	3/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	9.8/65.6	9.8/65.6	9.8/164	9.8/164	9.8/164
	Max Pipe Elevation	ft	39.4	39.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38	0.38
Drain (OD, ID)	in	25/32, 19/32	25/32, 19/32	25/32, 19/32	25/32, 19/32	25/32, 19/32	
Controller	Supplied	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	
Standard Warranty		5 Years Parts, 10 Years Compressor					
Limited Registered Warranty		10 Years Parts, 10 Years Compressor					

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 Kit will allow operation down to -17.8°C (0°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with Prestige line up.
- 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.

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

LG ART COOL™ MIRROR



LG ThinQ®

LA090HSV5
LA120HSV5
LA180HSV5



SINGLE ZONE

WALL MOUNTED

Specification	Unit	LA090HSV5	LA120HSV5	LA180HSV5
Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity^{1,2}				
Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
Cooling Capacity Range	Btu/h	1,023 - 12,625	1,023 - 13,785	3,070 - 29,515
Rated Heating Capacity	Btu/h	10,900	13,600	21,600
Heating Capacity Range	Btu/h	1,023 - 17,061	1,023 - 22,178	3,070 - 38,898
Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
HSPF		11.3	11.4	10.2
Power				
Voltage (IDU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (ODU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
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	7.4/7.4	7.4/7.4	9.85/9.85
Operation Range				
ODU Heating Operation Range	°C WB	-20 - 18.3	-20 - 18.3	-20 - 18.3
ODU Cooling Operation Range	°C DB	-10 - 47.8	-10 - 47.8	-10 - 47.8
Optional Wind Baffle ⁴		PAG-H50 / PAG-H53	PAG-H50 / PAG-H53	PAG-H52 / PAG-H58
IDU Operation Range Cooling	°C WB	11.7 - 23.9	11.7 - 23.9	11.7 - 23.9
IDU Operation Range Heating	°C DB	15.6 - 30	15.6 - 30	15.6 - 30
Setpoint Range Cooling	°C	17.8 - 30	17.8 - 30	17.8 - 30
Setpoint Range Heating	°C	15.6 - 30	15.6 - 30	15.6 - 30
Dimensions				
IDU Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight				
IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4
ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data				
Airflow (Max/H/M/L) ⁵	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
Dehumidification	pts/hr	2.7	2.7	5.5
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Type		R410A	R410A	R410A
Sound Pressure⁶				
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
Piping⁷				
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	PQWRHQFDB	PQWRHQFDB	PQWRHQFDB
Standard Warranty		5 Years Parts, 10 Years Compressor		
Limited Registered Warranty		10 Years Parts, 10 Years Compressor		

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C 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 Kit will allow operation down to -17.8 °C (0 °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.
- Due to our commitment to continued innovation, some specifications may be changed without notification.



LG ThinQ®

LS090HSV5
LS120HSV5
LS180HSV5



Specification	Unit	LS090HSV5	LS120HSV5	LS180HSV5
Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity^{1,2}				
Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
Rated Heating Capacity	Btu/h	10,900	13,600	21,600
Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
HSPF		11.3	11.4	10.2
Power				
Voltage (IDU)	V-Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (ODU)	V-Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
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	7.4/7.4	7.4/7.4	9.85/9.85
ODU Heating Operation Range	°C WB	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18.3
ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
Optional Wind Baffle ⁴		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
Operation Range				
IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30	17.8 ~ 30
Setpoint Range Heating	°C	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
Dimensions				
IDU Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32
ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight				
IDU Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2
ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data				
Airflow (Max/H/M/L) ⁵	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
Dehumidification	pts/hr	2.7	2.7	5.5
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Type		R410A	R410A	R410A
Sound Pressure⁶				
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
Piping⁷				
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	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 Years Parts, 10 Years Compressor	
Limited Registered Warranty			10 Years Parts, 10 Years Compressor	

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 Kit will allow operation down to -17.8°C (0°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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LG DUALCOOL[™] ThinQ[™] EXTENDED PIPING



LG ThinQ[®]

LS243HLV3
LS303HLV3
LS363HLV3



SINGLE ZONE

WALL MOUNTED

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 -8.3°C	Btu/h	27,360	32,500	35,740
Max Heating Capacity at -15°C	Btu/h	23,700	28,080	30,890
Max Heating Capacity at -20°C	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, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
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	14.81/14.81	15.35/15.35	15.35/15.35
ODU Heating Operation Range	°C WB	-25 - 18.3	-25 - 18.3	-25 - 18.3
ODU Cooling Operation Range	°C DB	-10 - 47.8	-10 - 47.8	-10 - 47.8
Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
IDU Operation Range Cooling	°C WB	11.7 - 23.9	11.7 - 23.9	11.7 - 23.9
IDU Operation Range Heating	°C DB	15.6 - 30	15.6 - 30	15.6 - 30
Setpoint Range Cooling	°C	17.8 - 30	17.8 - 30	17.8 - 30
Setpoint Range Heating	°C	15.6 - 30	15.6 - 30	15.6 - 30
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	PQWRHQFDB	PQWRHQFDB	PQWRHQFDB
Standard Warranty			5 Years Parts, 10 Years Compressor	
Limited Registered Warranty			10 Years Parts, 10 Years Compressor	

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 Kit will allow operation down to -17.8°C (0°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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CONSOLE

LQ090HV4
LQ120HV4



LG ThinQ®



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 -8.3°C	Btu/h	10,640	12,080
Max Heating Capacity at -15°C	Btu/h	10,000	11,000
Max Heating Capacity at -20°C	Btu/h	9,380	9,950
SEER, EER		21, 12.6	20.8, 12.6
HSPF		10.4	10.2
Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60
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	°C WB	-25 ~ 18.3	-25 ~ 18.3
ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8
Optional Wind Baffle ⁴	Yes	PAG-HS0 / PAG-HS3 (-20°C)	PAG-HS0 / PAG-HS3 (-20°C)
IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9
IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30
Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30
Setpoint Range Heating	°C	15.6 ~ 30	15.6 ~ 30
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/SL)	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	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty		5 Years Parts, 10 Years Compressor	
Limited Registered Warranty		10 Years Parts, 10 Years Compressor	

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 -20°C 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.

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

4-WAY CASSETTE (2x2)



LGRED[®]

LC098HV4
LC128HV4



LC188HV4
LC188HHV4



LGRED[®]

Specification	Unit	LC098HV4	LC128HV4	LC188HV4	LC188HHV4	
Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4	LCN188HV4	
Outdoor Unit		LUU097HV	LUU127HV	LUU189HV	LUU180HHV	
Rated Cooling Capacity	Btu/h	9,000	11,100	18,000	18,000	
Cooling Capacity Range	Btu/h	3,600 - 9,900	3,400 - 12,400	7,700 - 24,800	7,200 - 24,800	
Rated Heating Capacity	Btu/h	11,000	14,000	18,500	20,000	
Heating Capacity Range	Btu/h	4,400 - 12,100	2,800 - 15,500	6,500 - 23,400	6,500 - 3,700	
Capacity ^{1,2}	Max Heating Capacity at -8.3°C	Btu/h	9,350	11,900	17,000	20,000
	Max Heating Capacity at -15°C	Btu/h	8,250	10,500	15,000	22,610
	Max Heating Capacity at -20°C	Btu/h	7,040	8,960	13,000	17,920
	Max Heating Capacity at -25°C	Btu/h	N/A	N/A	N/A	15,990
	SEER, EER		20.2, 13.65	19.4, 12.6	20.5, 12.5	20, 12.8
HSPF		10.5	10.4	10	11.20	
Voltage (IDU)	V, Ø, Hz	208-230/60/1	208-230/60/1	208-230/60/1	208-230/ 60 / 1	
Power	Cooling Power Input	kW	0.66	0.88	1.44	1.41
	Heating Power Input	kW	0.83	1.19	1.95	1.80
	MCA, MOCP	A	11.9, 15	12.3, 15	20.30	22.30
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	9.65/9.65	10.05 / 10.05	15.1 / 15.1	9.95/9.95
ODU Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	
ODU Cooling Operation Range	°C DB	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	
Optional Wind Baffle ⁵	Yes	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	
Operating Range	IDU Operation Range Cooling	°C WB	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
	Setpoint Range Cooling	°C	18.3 ~ 30	18.3 ~ 30	18.3 ~ 30	18.3 ~ 30
	Setpoint Range Heating	°C	16.1 ~ 30	16.1 ~ 30	16.1 ~ 30	16.1 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	22-7/16x8-7/16x22-7/16	22-7/16x8-7/16x22-7/16	22-7/16x11x22-7/16	22-7/16x11x22-7/16
	ODU Dimensions (WxHxD)	in	30-5/16x21-15/32x11-11/32	30-5/16x21-15/32x11-11/32	37-13/32x32-27/32x13	37-13/32x32-27/32x13
Weight	IDU Weight (Net/Shipping)	lbs	31 / 37	31 / 40	31.5 / 40	31.5 / 40
	ODU Weight (Net/Shipping)	lbs	82 / 89	82 / 89	127.8 / 140	133.4 / 144.4
Unit Data	Airflow (Max/H/M/L) ⁶	CFM	300 / 265 / 230	335 / 283 / 247	460 / 424 / 388	494 / 460 / 424 / 388
	Dehumidification	pts/hr	1.6	2.47	3.3	4.28
	Compressor Type		Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1	R1 Scroll x 1
	Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV	R410A / EEV
Sound Pressure ⁷	IDU Panel		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Indoor (H/M/L/SL)	dB(A)	36/33/30	36/35/32	41/39/36	43 / 41 / 39 / 36 / 33
	Outdoor Max (Cool/Heat)	dB(A)	47/51	49/52	48/52	51 / 52
Piping ⁸	Liquid Pipe	in	1/4 / 1/4	1/4 / 1/4	1/4 / 3/8	1/4
	Vapor Pipe	in	3/8 / 3/8	3/8 / 3/8	1/2 / 5/8	3/8
	Pipe Length (Min/Std/Max)	ft	25	25	24.6	24.9
	Max Pipe Elevation	ft	49	49	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	
	Additional Refrigerant	oz/ft	0.22	0.22	0.43	0.43
Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	
Controller	Supplied	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	
Standard Warranty					5 Years Parts, 7 Years Compressor	
Limited Registered Warranty					10 Years Parts, 10 Years Compressor	

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C 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.

5. Installation of an optional low ambient control kit (PQCA0) with wind baffle kit will allow cooling operation down to -40C. Installing only the wind baffles will allow cooling operation down to -20C. PQCA0 low ambient control kit is not compatible with LGRED 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.

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4-WAY CASSETTE (3x3)



LGRED°

LC249HHV



LC369HHV
LC429HHV
LC489HHV



Specification	Unit	LGRED° LC249HHV	LGRED° LC369HHV	LGRED° LC429HHV	LGRED° 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
Capacity ^{1,2}					
Max Heating Capacity at -8.3°C	Btu/h	29,100	42,100	51,400	55,100
Max Heating Capacity at -15°C	Btu/h	27,000	40,000	48,000	52,000
Max Heating Capacity at -20°C	Btu/h	24,410	35,970	42,970	43,740
Max Heating Capacity at -25°C	Btu/h	21,610	30,000	35,990	35,980
SEER, EER		21.00, 12.60	21.50, 12.60	19.50, 12.80	17.50, 12.50
HSPF		10.20	11.00	11.60	11.70
Power					
Voltage (IDU)	V, Ø, Hz	208-230 - 1 - 60	208-230 - 1 - 60	208-230 - 1 - 60	208-230 - 1 - 60
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	9.95/9.95	9.95/9.95	9.95/9.95	9.95/9.95
Operating Range					
ODU Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8
ODU Cooling Operation Range	°C DB	-15 ~ 47.8 ⁷	-15 ~ 47.8 ⁷	-15 ~ 47.8 ⁷	-15 ~ 47.8 ⁷
Optional Wind Baffle ⁴	Yes	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
IDU Operation Range Cooling	°C WB	13.9 ~ 24.9	13.9 ~ 24.9	13.9 ~ 24.9	13.9 ~ 24.9
IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
Setpoint Range Cooling	°C	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
Setpoint Range Heating	°C	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
Dimensions					
IDU Dimensions (WxHxD)	in	33-1/16x8-1/32x33-1/16	33-1/16x11-5/16x33-1/16	33-1/16x11-5/16x33-1/16	33-1/16x11-5/16x33-1/16
ODU Dimensions (WxHxD)	in	37-13/32x32-27/32x13	37-13/32x54-11/32x13	37-13/32x54-11/32x13	37-13/32x54-11/32x13
Weight					
IDU Weight (Net/Shipping)	lbs	45.2 / 54.9	55.8 / 67.7	59.5 / 70.5	59.5 / 70.5
ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data					
Airflow (Max/H/M/L) ⁵	CFM	794 / 671 / 600 / 530	1,200 / 971 / 883 / 794	1,483 / 1,130 / 953 / 812	1,483 / 1,130 / 953 / 812
Dehumidification	pts/hr	3.80	7.10	7.27	9.74
Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1
Refrigerant Type		R410A / EEV	R410A / EEV	R410A / EEV	R410A / EEV
IDU Panel		PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
Sound Pressure ⁶					
Indoor (H/M/L/SL)	dB(A)	48 / 40 / 37 / 35 / 32	55 / 44 / 42 / 41 / 40	56 / 46 / 43 / 41 / 39	56 / 46 / 43 / 41 / 39
Outdoor Max (Cool/Heat)	dB(A)	51 / 52	52 / 54	54 / 56	54 / 56
Piping ⁷					
Liquid Pipe	in	3/8	3/8	3/8	3/8
Vapor Pipe	in	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare
Pipe Length (Min/Std/Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
Precharge Pipe Length	ft	24.9	24.9	24.9	24.9
Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43
Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1
Controller	Supplied	PWLSSB21H	PWLSSB21H	PWLSSB21H	PWLSSB21H
Standard Warranty		5 Years Parts, 7 Years Compressor			
Limited Registered Warranty		10 Years Parts, 10 Years Compressor			

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C 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 baffles (PAG-HS*) will allow operation down to -20 °C in cooling mode. PQCA0 low ambient control kit is not compatible with LG RED model.
 - 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.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

LOW STATIC DUCTED



LGRED°

LG ThinQ®

LD097HV4
LD127HV4
LD187HV4
LD187HHV4



LGRED°

Specification	Unit	LD097HV4	LD127HV4	LD187HV4	LD187HHV4
Indoor Unit		LDN097HV4	LDN127HV4	LDN187HV4	LDN187HV4
Outdoor Unit		LUU097HV	LUU127HV	LUU189HV	LUU180HHV
Rated Cooling Capacity	Btu/h	9,000	11,600	18,000	18,000
Cooling Capacity Range	Btu/h	3,600 - 9,900	4,640 - 12,760	7,400 - 21,100	7,200 - 22,000
Rated Heating Capacity	Btu/h	14,000	16,000	20,000	20,000
Heating Capacity Range	Btu/h	5,600 - 15,400	6,400 - 17,600	6,800 - 21,800	6,800 - 24,000
Max Heating Capacity at -8.3°C	Btu/h	11,900	13,600	18,000	22,550
Max Heating Capacity at -15°C	Btu/h	10,500	12,000	16,000	20,000
Max Heating Capacity at -20°C	Btu/h	8,960	10,240	14,000	17,970
Max Heating Capacity at -25°C	Btu/h	N/A	N/A	N/A	15,990
SEER, EER		18.5, 12.7	19.6, 12.9	18, 11.5	18.8, 12.5
HSPF		10.3	10.5	10	10
Voltage (IDU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230/60/1
Voltage (ODU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60	208-230/60/1
Cooling Power Input	kW	0.71	0.90	1.56	2
Heating Power Input	kW	1.43	1.29	2.0	2.5
MCA, MOCP	A	11.9, 15	12.3, 15	20, 30	22, 30
Power/Communication Wiring ³	No. x AWG	4 x 14	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	6.4/8.1
ODU Heating Operation Range	°C WB	-25 - 17.8	-25 - 17.8	-25 - 17.8	-25 - 17.8
ODU Cooling Operation Range	°C DB	-17.8 - 47.8	-17.8 - 47.8	-15 - 47.8	-15 - 47.8
Optional Wind Baffle ⁴		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
IDU Operation Range Cooling	°C WB	13.9 - 24.9	13.9 - 24.9	13.9 - 24.9	13.9 - 24.9
IDU Operation Range Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2	15 - 27.2
Setpoint Range Cooling	°C	18.3 - 30	18.3 - 30	18.3 - 30	18.3 - 30
Setpoint Range Heating	°C	16.1 - 30	16.1 - 30	16.1 - 30	16.1 - 30
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	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	37-13/32 x 32-27/32 x 13
IDU Weight (Net/Shipping)	lbs	39/46	51/60	49/58	48.5 / 57.3
ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80	128/140	133.4 / 144.4
Airflow (Max/H/M/L) ⁵	CFM	318 / 247 / 194	353 / 300 / 247	530 / 441 / 353	530 / 441 / 353
Dehumidification	pts/hr	1.50	2.28	2.4	3.84
Max External Static Pressure	in wg	0.20	0.20	0.20	0.2
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	R1 Scroll x 1
Refrigerant Type		R-410A	R-410A	R-410A	R-410A
Indoor (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31	36 / 34 / 31
Outdoor Max	dB(A)	51	52	52	52
Liquid Pipe	in	1/4	1/4	3/8	3/8
Vapor Pipe	in	3/8	3/8	5/8	5/8
Pipe Length (Min/Max)	ft	9.8/66	9.8/66	6.6/164	16.4 / 164
Max Pipe Elevation	ft	49.2	49.2	98.4	98.4
Precharge Pipe Length	ft	24.6	24.6	24.6	24.6
Additional Refrigerant	oz/ft	0.22	0.22	0.43	0.43
Drain (OD, ID)	in	1.25/1	1.25/1	1.25/1	1.25/1
Controller	Additional Accessory ⁸	Wired Controller	Wired Controller	Wired Controller	Wired Controller
Standard Warranty			5 Years Parts, 7 Years Compressor		
Limited Registered Warranty			10 Years Parts, 10 Years Compressor		

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C 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 control kit (PQCA0) with wind baffle kit will allow cooling operation down to -40C. Installing only the wind baffles will allow cooling operation down to -20C. PQCA0 low ambient control kit is not compatible with LGRED units

5. Airflow shown is in cooling mode.

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

7. Piping lengths are equivalent.

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

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

HIGH STATIC DUCTED



LG ThinQ®
LGRED®

LH248HV4
LH248HHV4

LH368HV4
LH368HHV4
LH428HHV4
LH488HHV4



		LGRED®						
Specification	Unit	LH248HV4	LH248HHV4	LH368HV4	LH368HHV4	LH428HHV	LH488HHV	
Indoor Unit		LHN248HV	LHN248HV	LHN368HV	LHN368HV	LHN428HV	LHN488HV	
Outdoor Unit		LUU249HV	LUU240HHV	LUU369HV	LUU360HHV	LUU420HHV	LUU480HHV	
Rated Cooling Capacity	Btu/h	24,000	23,000	36,000	36,000	42,000	46,000	
Cooling Capacity Range	Btu/h	9,200 - 32,000	9,200 - 32,000	14,400 - 44,000	14,400 - 44,000	16,800 - 50,000	18,400 - 55,000	
Rated Heating Capacity	Btu/h	27,000	27,000	40,000	40,000	48,000	50,000	
Heating Capacity Range	Btu/h	8,000 - 36,000	8,000 - 36,000	16,000 - 46,000	16,000 - 46,000	18,000 - 57,600	19,000 - 60,000	
Capacity ^{1,2}	Max Heating Capacity at -8.3°C	Btu/h	30,120	30,120	42,100	42,100	51,400	53,500
	Max Heating Capacity at -15°C	Btu/h	27,000	27,000	40,000	40,000	48,000	50,000
	Max Heating Capacity at -20°C	Btu/h	20,760	24,250	27,310	35,970	41,820	43,590
	Max Heating Capacity at -25°C	Btu/h	N/A	21,600	N/A	30,000	34,510	36,010
SEER, EER		18.2, 12.5	18.2, 12.5	19, 12.5	19.0, 12.5	19, 12.5	18.7, 12.5	
HSPF		10.8	11	10.2	10.2	10.9	11.2	
Voltage (IDU)	V, Ø, Hz	208/230-1-60	208-230/60/1	208/230-1-60	208-230/60/1	208/230-1-60	208/230-1-60	
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208-230/60/1	208/230-1-60	208-230/60/1	208/230-1-60	208/230-1-60	
Power	Cooling Power Input	kW	1.84	3.49	2.88	5.5	3.36	3.68
	Heating Power Input	kW	2.08	4.1	3.36	4.5	4.50	4.55
	MCA, MOCP	A	20, 30	22, 30	32, 40	32, 40	32, 40	32, 40
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps Cool/Heat	A	16.7/16.7	8.2/9.2	27.5/27.5	12.8/14.9	27.5/27.5	27.5/27.5	
ODU Heating Operation Range	°C WB	-25 - 18.3	-25 - 18.3	-25 - 18.3	-25 - 18.3	-25 - 18.3	-25 - 18.3	
ODU Cooling Operation Range	°C DB	13.9 - 25	-15 - 47.8	13.9 - 25	-15 - 47.8	13.9 - 25	13.9 - 25	
Operating Range	Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	
	IDU Operation Range Cooling	°C WB	13.9 - 24.9	13.9 - 24.9	13.9 - 24.9	13.9 - 24.9	13.9 - 24.9	
	IDU Operation Range Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2	15 - 27.2	15 - 27.2	
	Setpoint Range Cooling	°C	18.3 - 30	18.3 - 30	18.3 - 30	18.3 - 30	18.3 - 30	
Setpoint Range Heating	°C	16.1 - 30	16.1 - 30	16.1 - 30	16.1 - 30	16.1 - 30		
Dimensions	IDU Dimensions (WxHxD)	in	35-1/2 x 10-11/16 x 27-1/4	35-1/2 x 10-11/16 x 27-9/16	49-9/32 x 10-11/16 x 27-1/4	49-9/32 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	37-13/32 x 32-27/32 x 13	37-19/32 x 54-11/32 x 13	37-19/32 x 54-11/32 x 13	37-19/32 x 54-11/32 x 13	
Weight	IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	58.6 / 71.9	52 / 54	85.3 / 99.4	95.9 / 112.9	
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	133.4 / 144.4	85.3 / 99.4	198.9 / 223.1	210.9 / 234.1	
Unit Data	Airflow (Max/H/M/L) ⁵	CFM	777 / 706 / 636	777 / 706 / 636	1130 / 998 / 847	1,130 / 998 / 847	1412 / 1200 / 988	
	Dehumidification	pts/hr	3.48	3.48	7.9	7.9	7.19	
	Max External Static Pressure	in wg	0.24	0.24	0.24	0.24	0.24	
	Compressor Type		R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	R1 Scroll x 1	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A		
Sound Pressure ⁶	Indoor (H/M/L)	dB(A)	37 / 35 / 34 / 32	37 / 35 / 34	36 / 34 / 33 / 33	44 / 42 / 40	39 / 37 / 35 / 34	
	Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52	52 / 54	52 / 54	54 / 56	
Piping ⁷	Liquid Pipe	in	3/8	3/8 Flare	3/8	3/8 Flare	3/8	
	Vapor Pipr	in	5/8	5/8 Flare	5/8	5/8 Flare	5/8	
	Pipe Length (Min/Max)	ft	24.6/164	16.4 / 164	24.6/246.1	16.4 / 246	24.6/246.1	
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4	
	Precharge Pipe Length	ft	24.6	24.9	24.6	24.9	24.6	
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43	
	Drain (OD, ID)	in	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	1-1/4 / 1	
Controller	Additional Accessory ⁸	Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller	
Standard Warranty		5 Years Parts, 7 Years Compressor						
Limited Registered Warranty		10 Years Parts, 10 Years Compressor						

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 control kit (PQCAO) with wind baffle kit will allow cooling operation down to -40C. Installing only the wind baffles will allow cooling operation down to -20C. PQCAO low ambient control kit is not compatible with LGRED 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.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

Vertical AHU (Multi Position)



LG ThinQ®

LV181HV4
LV241HV4

LV361HV4
LV420HV
LV480HV



Specification	Unit	LV181HV4	LV241HV4	LV361HV4	LV420HV	LV480HV	
Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV	
Outdoor Unit		LUU189HV	LUU249HV	LUU369HV	LUU428HV	LUU488HV	
Rated Cooling Capacity	Btu/h	18,000	24,000	36,000	42,000	48,000	
Cooling Capacity Range	Btu/h	7,200 - 24,000	9,600 - 30,000	14,400 - 39,000	17,000 - 48,000	18,000 - 53,000	
Rated Heating Capacity	Btu/h	20,000	27,000	40,000	47,000	56,000	
Heating Capacity Range	Btu/h	8,000 - 24,000	10,800 - 30,000	16,000 - 43,000	18,000 - 55,000	19,000 - 60,000	
Capacity ^{1,2}	Max Heating Capacity at -8.3°C	Btu/h	21,000	26,000	37,350	37,000	40,000
	Max Heating Capacity at -15°C	Btu/h	20,500	23,600	35,000	32,000	34,000
	Max Heating Capacity at -20°C	Btu/h	19,910	20,760	32,220	24,000	26,000
SEER, EER		19.2, 13.30	19.5, 12.0	18, 11	17, 11.05	16.5, 10	
HSPF		10.4	11	10	10	9.5	
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.35	2.00	3.27	3.80	4.80
	Heating Power Input	kW	1.73	2.25	3.57	4.00	5.10
	MCA, MOCP	A	20, 30	20, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	16.2	16.2	26.3	24.2	24.2
Operating Range	ODU Heating Operation Range	°C WB	-20 - 17.8	-20 - 17.8	-20 - 17.8	-20 - 17.8	-20 - 17.8
	ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8
	Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	13.9-25	13.9-25	13.9-25	13.9-25	13.9-25
	IDU Operation Range Heating	°C DB	15-27.2	15-27.2	15-27.2	15-27.2	15-27.2
	Setpoint Range Cooling	°C	183-30	183-30	183-30	183-30	183-30
	Setpoint Range Heating	°C	161-30	161-30	161-30	161-30	161-30
Dimensions	IDU Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	123.5 / 135.1	123.5 / 135.1	129 / 140	165 / 188	165 / 188
	ODU Weight (Net/Shipping)	lbs	129 / 141	130.0 / 143.3	198.9 / 223.1	203 / 232	203 / 232
Unit Data	Airflow (Max/H/M/L) ⁵	CFM	640 / 580 / 480	710 / 640 / 480	990 / 880 / 800	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
	Dehumidification	pts/hr	3.1	4.0	5.1	4.3	5.2
	Max External Static Pressure	in wg	0.7	0.7	0.7	1.0	1.0
	Fan Motor Type		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM	BLDC	BLDC
	Compressor Type		Twin Rotary	Twin Rotary	Scroll	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound	Indoor (H/M/L/SL)	dB(A)	35 / 33 / 30	36 / 34 / 30	44 / 41 / 39	48 / 45 / 44	49 / 48 / 44
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	48 / 52	52 / 54	52 / 54	52 / 54
Piping ⁷	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6 / 164	6.6 / 164	6.6 / 246	6.6 / 246	6.6 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
Drain (OD, ID)	in	Primary & Secondary, 3/4 FPT	Primary & Secondary, 3/4 FPT	Primary & Secondary, 3/4 FPT	Primary & Secondary, 3/4 FPT	Primary & Secondary, 3/4 FPT	
Controller	Additional Accessory ⁸	Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller	
Standard Warranty		5 Years Parts, 7 Years Compressor					
Limited Registered Warranty		10 Years Parts, 10 Years Compressor					

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 control kit (PQCA0) with wind baffle kit will allow cooling operation down to -40C. Installing only the wind baffles will allow cooling operation down to -20C. PQCA0 low ambient control kit is not compatible with LGRED units.

5. Airflow shown is in cooling mode.

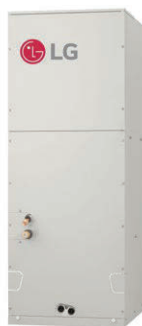
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.

7. Piping lengths are equivalent.

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

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

Vertical AHU (Mutli Position)



LG ThinQ®
LGRED°

LV181HHV4
LV241HHV4

LV361HHV4
LV420HHV
LV480HHV



Specification	Unit	LGRED° LV181HHV4	LGRED° LV241HHV4	LGRED° LV361HHV4	LGRED° LV420HHV	LGRED° LV480HHV
Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
Outdoor Unit		LUU180HHV	LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Rated Cooling Capacity	Btu/h	18,000	24,000	33,000	42,000	46,000
Cooling Capacity Range	Btu/h	7,200 ~ 24,800	9,600 ~ 30,000	14,400 ~ 44,000	16,800 ~ 50,000	18,400 ~ 55,000
Rated Heating Capacity	Btu/h	20,000	27,000	37,500	48,000	50,000
Heating Capacity Range	Btu/h	8,000 ~ 27,000	10,800 ~ 36,000	16,000 ~ 43,000	18,000 ~ 60,000	19,000 ~ 63,000
Capacity ^{1,2}						
Max Heating Capacity at -8.3°C	Btu/h	23,740	30,120	39,400	52,200	54,600
Max Heating Capacity at -15°C	Btu/h	22,000	27,400	37,500	48,000	50,000
Max Heating Capacity at -20°C	Btu/h	20,840	24,250	33,810	38,200	39,960
Max Heating Capacity at -25°C	Btu/h	19,760	21,590	28,410	28,810	34,990
SEER, EER		19.2, 13.6	19.5 / 12.7	17.8 / 12.5	19.6 / 12.5	19.0 / 12.5
HSPF		10.4	11	10.7	11	10.5
Power						
Voltage (IDU)	V, Ø, Hz	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Voltage (ODU)	V, Ø, Hz	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Cooling Power Input	kW	2.76	3	4.78	5.32	5.73
Heating Power Input	kW	3.3	4.4	4.1	5.8	6.3
MCA, MOCP	A	30-22	30 / 22	40 / 32	40 / 32	40 / 32
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps Cool	A		8.4	11.7	14.9	16.3
Operating Range						
ODU Heating Operation Range	°C WB	-25 - 17.8	-25 - 17.8	-25 - 17.8	-25 - 17.8	-25 - 17.8
ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8
Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
IDU Operation Range Cooling	°C WB	13.9-25	13.9-25	13.9-25	13.9-25	13.9-25
IDU Operation Range Heating	°C DB	15-27.2	15-27.2	15-27.2	15-27.2	15-27.2
Setpoint Range Cooling	°C	183-30	183-30	183-30	183-30	183-30
Setpoint Range Heating	°C	161-30	161-30	161-30	161-30	161-30
Dimensions						
IDU Dimensions (WxHxD)	in	18 X 48-11/16 X 21-1/4	18 X 48-11/16 X 21-1/4	18 X 48-11/16 X 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-19/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight						
IDU Weight (Net/Shipping)	lbs	116.8 / 128.5	116.8 / 128.5	122.4 / 134.0	158.7 / 176.4	158.7 / 176.4
ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data						
Airflow (Max/H/M/L) ⁵	CFM	640 / 580 / 480	710 / 640 / 480	988 / 883 / 798	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
Dehumidification	pts/hr	3.1	4.2	7.4	6.76	7.54
Max External Static Pressure	in wg	1	1	1	1	1
Fan Motor Type		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM	BLDC	BLDC
Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pres- sure ⁶						
Indoor (H/M/L/SL)	dB(A)	35 / 33 / 30	36 / 34 / 30	36 / 34 / 30	48 / 45 / 44	49 / 48 / 44
Outdoor Max (Cool / Heat)	dB(A)	51 / 52	51 / 52	51 / 52	54 / 56	54 / 56
Piping ⁷						
Liquid Pipe	in	3/8 Flare	3/8 Flare	3/8 Flare	3/8 Flare	3/8 Flare
Vapor Pipe	in	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare	5/8 Flare
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
Precharge Pipe Length	ft	24.9	24.9	24.9	24.9	24.9
Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory ⁸	Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller
Standard Warranty		5 Years Parts, 7 Years Compressor				
Limited Registered Warranty		10 Years Parts, 10 Years Compressor				

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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 wind baffle kit will allow cooling operation down to -20C. PQCA0 is not compatible with LGRED 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.

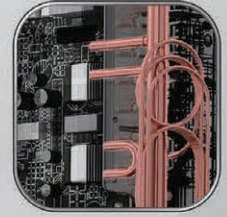
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MULTI HEATING OUTDOOR UNITS **LGRED°**

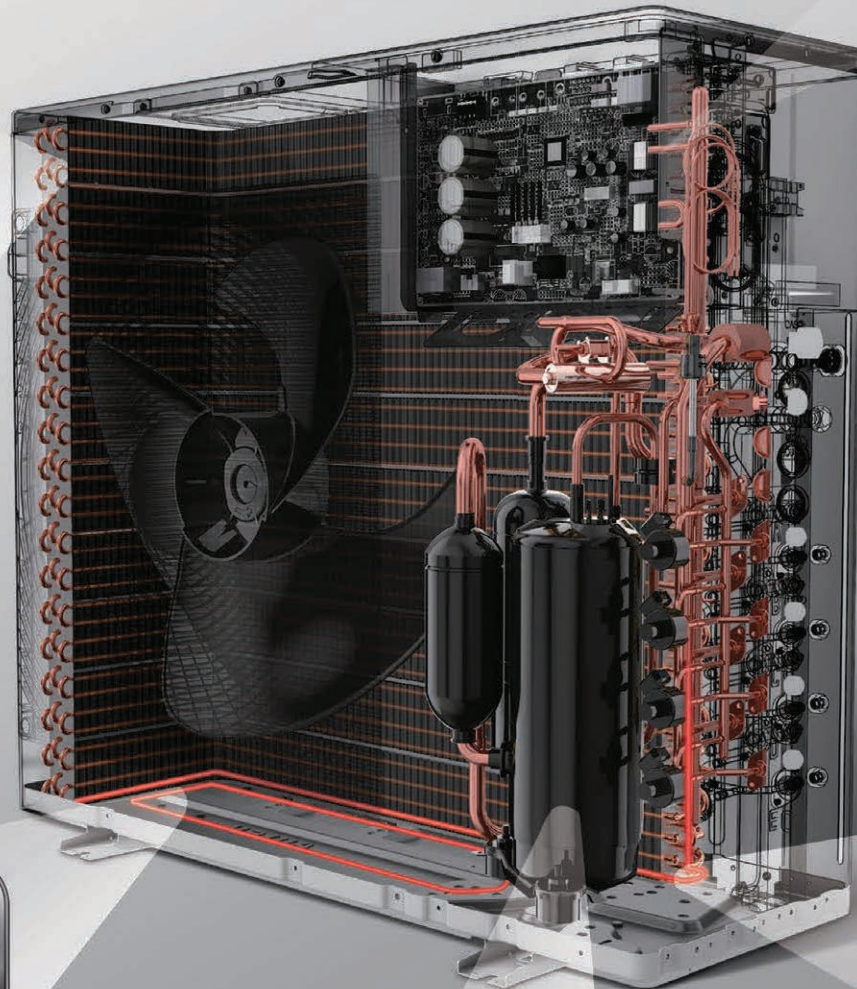
Products featuring LGRED° heat technology boast superior heating performance: 100% of rated heating capacity performance at -15°C and continuous heating down to -25°C! This increased performance not only delivers heat without the reliance on fossil fuel energy sources but also operates with incredible efficiency even in the coldest climates.



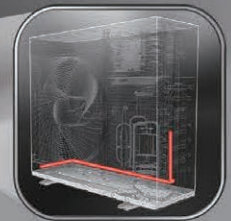
Triple-Pass Coil
For Maximum
Performance



Pipe Detect Mode
Ensures All Piping &
Wiring Match



Factory-Installed Base
Pan Heater Operates
When Compressor Is
Running In Heat Mode
Below 0°C



Liquid Line Heats
Bottom Coil Pass
At All Times For
Reliability In Extreme
Winter Weather
















High-Speed Twin Rotary
LG DUAL Inverter Compressor™


























Torture-Tested In New Brunswick &
Ontario For A Full Winter Season Prior
To Full Production

MULTI-ZONE Lineup

OUTDOOR UNITS			
Btu/h	Multi F	Maximum Indoor Units	Combination Sample
18,000	 LMU180HV  LMU180HHV LGRED°	2	
24,000	 LMU240HV  LMU240HHV LGRED°	3	
30,000	 LMU30CHV  LMU300HHV LGRED°	4	
36,000	 LMU36CHV	4	
Btu/h	Multi F MAX	Maximum Indoor Units	
36,000	 LMU360HHV LGRED°	5	
42,000	 LMU420HHV LGRED°	6	
48,000	 LMU480HV	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	ARTCOOL™ Mirror	 LAN090HSV5	 LAN120HSV5		 LAN180HSV5		
	DUALCOOL™	 LMN079HVT LMU Only	 LSN090HSV5	 LSN120HSV5	 LMN159HVT LMU Only	 LSN180HSV5	 LMN249HVT LMU Only
Ceiling Mounted	4-Way Cassette	 LMCN078HV LMU Only	 LCN098HV4	 LCN128HV4		 LCN188HV4	
Console	Console		 LQN090HV4	 LQN120HV4	 LMQN150HV LMU Only		
Ducted	High Static					 LHN248HV	 LHN368HV
	Low Static		 LDN097HV4	 LDN127HV4		 LDN187HV4	
	Vertical AHU (Multi Position)					 LVN181HV4	 LVN241HV4

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 -8.3°C	Btu/h	17,700	18,000	26,739	29,105
	Max Heating Capacity at -15°C	Btu/h	16,100	16,200	20,622	22,057
	Max Heating Capacity at -20°C	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	
HSPF(IV / V) ⁴		11.0 / 9.6	11.0, 9.6	10.0 / 8.7	10.0 / 8.7	
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.33	1.75	2.31	2.46
	Heating Power Input	kW	1.79	1.83	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	6.0 / 8.1	7.9 / 7.8	13.93/13.93	15.13/15.13
Operating Range	Heating Operation Range	°C WB	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	°C DB	-10.0[-40°] ~ 47.8	-10.0[-40°] ~ 47.8	--10.0[-40°] ~ 47.8	-10.0[-40°] ~ 47.8
	Optional Wind Baffle		PAG-H50 / PAG-H51	PAG-H50 / PAG-H51	PAG-H56 / PAG-H57	PAG-H56 / PAG-H57
Dimensions & Weight	Dimensions (WxHxD)	in	34-1/4 x 25-219/32 x 13	34-1/4 x 25-19/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	Weight (Net/Shipping)	lbs	101/110	101/110	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) ⁵	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
Piping	Maximum Connectable IDUs	Qty	2	3	4	4
	Liquid Pipe	in	1/4 x 2	1/4 x 3	1/4 x 4	1/4 x 4
	Vapor Pipe	in	3/8 x 2	3/8 x 3	3/8 x 4	3/8 x 4
	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
Standard Warranty			5 Years Parts, 7 Years Compressor			
Limited Registered Warranty			10 Years Parts, 10 Years Compressor			

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C wet bulb (WB).
For capacity information, see engineering manual capacity tables.
- Values when matched with non-ducted units only.
- Installation of an optional Low Ambient Wind Baffle and PQCA0 control kit will allow operation down to -40 °C in cooling mode for applicable outdoor units.
- 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 OUTDOOR UNITS with LGRED°



LMU180HHV
LMU240HHV

LGRED°



LMU300HHV

LGRED°

		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 -8.3°C	Btu/h	23,600	28,500	31,600
	Max Heating Capacity at -15°C	Btu/h	22,000	26,000	28,600
	Max Heating Capacity at -20°C	Btu/h	21,050	23,880	25,550
	Max Heating Capacity at -25°C	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-Ø-Hz	208/230-1-60	208/230-1-60	208/230-1-60
	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
Operating Range	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
	Heating Operation Range	°C WB	-25 - 17.8	-25 - 17.8	-25 - 17.8
Dimensions & Weight	Cooling Operation Range	°C DB	-10 - 48	-10 - 48	-10 - 48
	Optional Wind Baffle ⁶		PAG-HS6/PAG-HS7	PAG-HS6/PAG-HS7	PAG-HS6/PAG-HS7
	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
Unit Data	Weight (Net/Shipping)	lbs	147.7/163.1	152.1/165.3	152.1/165.3
	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
	Piping ⁸	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
Standard Warranty	Factory Charge of R410A	lbs	6.18	7.05	7.05
	Additional Refrigerant	oz/ft	0.22	0.22	0.22
Standard Warranty				5 Years Parts, 7 Years Compressor	
Limited Registered Warranty				10 Years Parts, 10 Years Compressor	

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C wet bulb (WB).

For capacity information, see engineering manual capacity tables.

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 -20°C 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
LMU600HV



Branch
Distribution Box
(Sold Separately)

Specification	Unit	LMU480HV	LMU600HV	
Capacity ^{1,2}	Rated Cooling Capacity	Btu/h	48,000	60,000
	Cooling Capacity Range	Btu/h	14,400 ~ 58,000	15,600 ~ 68,000
	Rated Heating Capacity	Btu/h	54,000	64,000
	Heating Capacity Range	Btu/h	15,840 ~ 61,000	17,940 ~ 70,000
	Max Heating Capacity at -8.3 °C	Btu/h	49,014	53,560
	Max Heating Capacity at -15 °C	Btu/h	38,900	42,720
	Max Heating Capacity at -20 °C	Btu/h	27,529	33,193
SEER, EER ³		19.5, 12.5	20.5, 11.4	
HSPF ³		10.0	11	
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	3.84	5.26
	Heating Power Input	kW	4.32	5.33
	MCA, MOCP	A	27.3, 40	32.2, 45
	Rated Amps (Cool/Heat)	A	22.96/22.96	27.06/27.06
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	°C WB	-20 ~ 17.8	-20 ~ 17.8
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8
Dimensions & Weight	Optional Wind Baffle ⁵		PAG-HS4/PAG-HS5	PAG-HS4/PAG-HS5
	Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13	37-13/32x54-11/32x13
Unit Data	Weight (Net/Shipping)	lbs	214/236	223/249
	Refrigerant Type		R410A	R-410A
	Compressor Type		Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating) ⁶	dB(A)	54/56	56/58
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	8	8
	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7
Piping ⁷	Minimum Pipe Length per Segment	ft	9.8	9.80
	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	38.2
	Maximum Elevation BDU to BDU	ft	49.2	49.2
	Factory Charge of R410A	lbs	9.7	12.3
	Additional Refrigerant	oz/ft	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22
Standard Warranty		5 Years Parts, 7 Years Compressor		
Limited Registered Warranty		10 Years Parts, 10 Years Compressor		

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C wet bulb (WB).

For capacity information, see engineering manual capacity tables.

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 -20 °C 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 MAX OUTDOOR UNITS with LGRED°

LMU360HHV
LMU420HHV



LGRED°



Branch
Distribution Box
(Sold Separately)

Specification	Unit	LGRED°		
		LMU360HHV	LMU420HHV	
Capacity ^{1,2}	Rated Cooling Capacity	Btu/h	36,000	42,000
	Cooling Capacity Range	Btu/h	11,700 - 46,733	11,700 - 53,897
	Rated Heating Capacity	Btu/h	41,000	45,000
	Heating Capacity Range	Btu/h	13,455 - 50,200	13,455 - 55,256
	Max Heating Capacity at -8.3°C	Btu/h	45,510	49,950
	Max Heating Capacity at -15°C	Btu/h	41,000	45,000
	Max Heating Capacity at -20°C	Btu/h	36,900	39,150
	Max Heating Capacity at -25°C	Btu/h	32,390	34,200
SEER, EER ³			21, 15	20.5, 14
HSPF ³			11.5	11
Power	Voltage	V- Ø - Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	2.4	3
	Heating Power Input	kW	2.93	3.3
	MCA, MOCP	A	30.2, 45	30.2, 45
	Rated Amps	A	25.06	25.06
	Power/Communication Wiring ⁴	A	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14	ODU --> BDU: 4 x 14, BDU --> IDU: 4 x 14
Operating Range	Heating Operation Range	°C WB	-25 - 17.8	-25 - 17.8
	Cooling Operation Range	°C DB	-10 - 47.8	-10 - 47.8
	Optional Wind Baffle ⁵		PAG-HS4/PAG-HS5	PAG-HS4/PAG-HS5
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	Weight (Net/Shipping)	lbs	222.7/249.1	222.7/249.1
Unit Data	Refrigerant Type		R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating) ⁶	dB(A)	54 / 57	54 / 57
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	5	6
	Max Total IDU Connected Capacity	Btu/h	48,000	56,000
	Piping ⁷	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 (ODU to BDU)		ft	180.4	180.4
Maximum Branch Piping		ft	295.3	295.3
Maximum Pipe Length BDU to IDU		ft	49.2	49.2
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	12.3	12.3	
Additional Refrigerant	oz/ft	Main: 0.54, Branch: 0.22	Main: 0.54, Branch: 0.22	
Standard Warranty		5 Years Parts, 7 Years Compressor		
Limited Registered Warranty		10 Years Parts, 10 Years Compressor		

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C wet bulb (WB).

For capacity information, see engineering manual capacity tables.

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 -20°F in cooling mode for applicable outdoor units.

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

7. Piping lengths are equivalent.

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

MULTI F INDOOR UNITS

LG ThinQ®



LG ART COOL™ Mirror

Specification	Unit	LAN090HSV5	LAN120HSV5	LAN180HSV5	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,900	13,600	21,600
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81
Fan	Type		Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty	W	30 x 1	30 x 1	60 x 1
	Motor/Drive		BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	268/218/169	282/233/177	558/438/353
	Rated Amps	A	0.4	0.4	0.4
Unit Data	Sound Pressure Level (H/M/L) ⁴	dB(A)	36/32/27	38/34/29	44/38/34
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	Weight (Net/Shipping)	lbs	20.5/25.6	20.5/25.6	29.8/36.4
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	



LG DUALCOOL™

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, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	
	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	60 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	46/41/36
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	Weight (Net/Shipping)	lbs	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	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	

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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
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MULTI F INDOOR UNITS



LG ThinQ®

Low Wall Console

Specification	Unit	LQN090HV4	LQN120HV4	LMQN150HV	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	15,710
	Heating	Btu/h	10,500	13,650	17,070
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 - 77	57 - 77	57 - 77
	Heating	°F DB	59 - 81	59 - 81	59 - 81
Fan	Type		Turbo	Turbo	Turbo
	Motor Output x Qty	W	48 x 1	48 x 1	48 x 1
	Motor/Drive		Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct	Brushless Digitally Controlled / Direct
	Airflow (H/M/L)	CFM	300/237/177	318/244/184	357/304/254
Unit Data	Rated Amps	A	0.7	0.7	0.7
	Sound Pressure Level (H/M/L) ⁴	dB(A)	38/32/27	39/32/27	44/39/35
	Dimensions (WxHxD)	in	27-9/16 x 23-5/8 x 8-9/32	27-9/16 x 23-5/8 x 8-9/32	27-9/16 x 23-5/8 x 8-9/32
	Weight (Net/Shipping)	lbs	35.7/41.7	35.7/41.7	35.7/41.7
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	

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 26.7 °C dry bulb (DB) and 19.4 °C wet bulb (WB) and outdoor ambient conditions of 35 °C dry bulb (DB) and 23.8 °C wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 21.1 °C dry bulb (DB) and 15.6 °C wet bulb (WB) and outdoor ambient conditions of 8.3 °C dry bulb (DB) and 6.1 °C 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.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
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MULTI F INDOOR UNITS

LG ThinQ®



Ceiling Cassette

Specification	Unit	LMCNO78HV	LCNO98HV4	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, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 77	57 ~ 77	57 ~ 77
	Heating	°F DB	59 ~ 81	59 ~ 81	59 ~ 81	59 ~ 81
Fan	Type		Turbo	Turbo	Turbo	Turbo
	Motor Output x Qty	W	43 x 1	43 x 1	43 x 1	43 x 1
	Motor/Drive		BLDC	BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	265/212/177	300/265/230	335/283/247	459/424/388
	Rated Amps	A	0.25	0.25	0.25	0.25
Unit Data	Sound Pressure Level (H/M/L) ⁴	dB(A)	31/27/24	36/33/30	38/35/32	41/39/36
	Dimensions (WxHxD)	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
	Weight (Net/Shipping)	lbs	26/31	29/34	29/34	32/39
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	1/2
	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller	Supplied ⁵		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
	Model		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
Grille (Sold Separately)	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

LG ThinQ®



Low Static Ducted

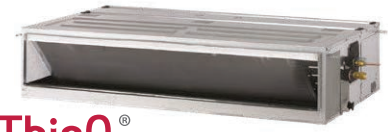
Specification	Unit	LDN097HV4	LDN127HV4	LDN187HV4	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,400	13,800	20,800
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Operating Range	Cooling	°F WB	57 ~ 77	57 ~ 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
	Rated Amps	A	0.4	0.8	0.8
Unit Data	Factory Set External Static Pressure	in. wg	0.1	0.1	0.1
	Max. External Static Pressure	in. wg	0.2	0.2	0.2
	Sound Pressure Level (H/M/L) ⁴	dB(A)	30/26/23	31/28/27	36/34/31
	Dimensions (WxHxD)	in	27-9/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16
Piping	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
Controller	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1
	Additional Accessory ⁵		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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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.
- 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.
- 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



High Static Ducted

LG ThinQ®

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



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, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	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	
	Motor Output x Qty	W	250 x 1	250 X 1	250 x 1
	Motor/Drive		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM
	Airflow (H/M/L)	CFM	640/580/480	710/640/480	990/880/800
Unit Data	Rated Amps	A	1.1	1.1	1.1
	Max. External Static Pressure	in. wg	0.7	0.7	0.7
	Sound Pressure Level (H/M/L) ⁴	dB(A)	35/33/30	36/34/30	44/41/39
	Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4
	Weight (Net/Shipping)	lbs	124/136	124/136	129/140
	Piping	Liquid Pipe	in	1/4	1/4
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 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB).

Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C 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. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.

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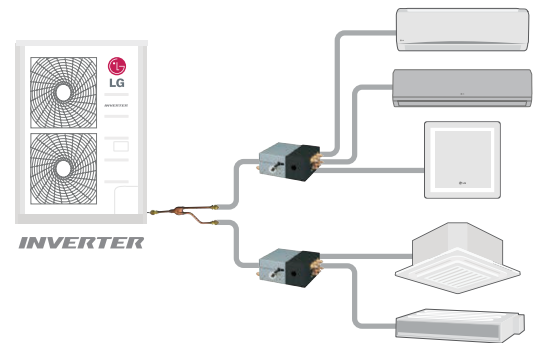
MULTI F MAX PIPING ACCESSORIES

Accessory Lineup

For	2 IDUs	3 IDUs	4 IDUs	4 IDUs
Branch Distribution Unit	 PMBD3620	 PMBD3630	 PMBD3640	 PMBD3641
Y-Branch	 PMBL5620		 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	Ports A - C: 24,000, Port D: 36,000
Port Capacity	Sum of Ports	Btu/h	48,000	72,000	73,000	73,000
Connectable Indoor Units ¹			1 ~ 2	1 ~ 3	1 ~ 4	1 ~ 4
Operating Range		°F DB	0 ~ 150	0 ~ 150	0 ~ 150	0 ~ 150
Voltage		V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Input		W	16	24	32	32
Rated Amps		A	0.08	0.12	0.16	0.16
Dimensions	WxHxD	inch	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32
Weight	Net	lbs	13	15	16	16
	Shipping	lbs	15	17	18	18
Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8	3/8
	Vapor	in	3/4	3/4	3/4	3/4
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)	Ports A - C: 1/4 Port D: 1/4
	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)	Ports A - C: 3/8 Port D: 1/2
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2	49.2
	BD Box to BD Box	ft	32.8	32.8	32.8	32.8
Max Pipe Elevation	BD Box to IDU	ft	49.2	49.2	49.2	49.2
	BD Box to BD Box	ft	49.2	49.2	49.2	49.2

Note:

1. Branch Distribution Unit should be installed indoors.

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

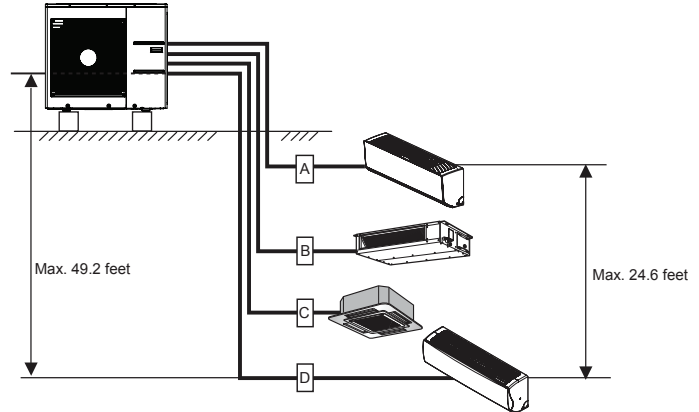
MULTI F PIPING SUMMARY

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	-	246.1
LMU30CHV	10	82	82	82	82	246.1
LMU36CHV	10	82	82	82	82	246.1

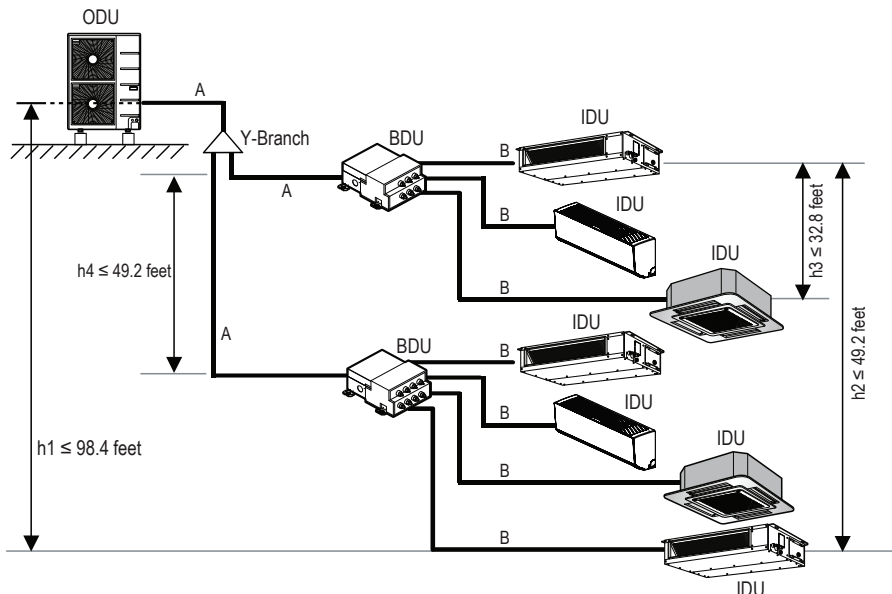


Multi F MAX System

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)	Minimum	10 feet	≤ 295.3 feet
	Maximum	≤ 49.2 feet	
Elevation Differential (All Elevation Limitations are Measured in Actual Feet)	If outdoor unit is above or below indoor unit (h1)		≤ 98.4 feet
	Between the farthest two indoor units (h2)		≤ 49.2 feet
	Between branch distribution unit and farthest connected indoor unit(s) (h3)		≤ 32.8 feet
	Between branch distribution units (h4)		≤ 49.2 feet



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

CONTROLS

Individual Control



PREMTC00U



PQWRHQ0FDB



PREMTB100



PREMTA000



PREMTBVC0



PREMTBVC1

Model	Description
PREMTC00U	Simple Wired Remote Controller
PQWRHQ0FDB	Wireless Remote Controller
PREMTB100	RS3 Standard Remote Controller
PREMTA000	Premium Wired Remote Controller
PREMTBVC0	MultiSITE Remote Controller
PREMTBVC1	MultiSITE Remote Controller

LG MultiSITE™ Remote Controller Accessories



ZVRCZDWS1



ZVRCZWOC1



ZVRCZCOC1

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



PLNWKB100



PMNFP14A1



PDRYCB100
PDRYCB320
PDRYCB400



PZCWRC1
PZCWRRCG3



PACP5A000



PAC5A000

Model	Description
PDRYCB100	Simple Dry Contact
PDRYCB320	Dry Contact for Thermostat (5-12VDC, 24VAC)
PDRYCB400	Dry Contact for Economizer/Setback
PLNWKB100	LonWorks® Gateway
PMNFP14A1	PI 485 for DFS
PZCWRC1	32.8' Wired Remote Extension Cable
PZCWRRCG3	Group Control Cable Kit (required for each additional A/H with single zone controller)
PACP5A000	ACP 5
PAC5A000	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
	PRARS1	Auxiliary Heat Kit for Wall Mounted IDUs	See Compatibility Table
Auto Elevation Grille	PTEGMO	Auto Elevation Grille Kit	LCN***HV ¹
Cassette Cover	PTDCM	Decorative Cover for 4-Way Ceiling Cassettes Using PT-UMC1 Grille	LCN***HV ¹
	PTDCQ	Decorative Cover for 4-Way Ceiling Cassettes Using PT-UQC Grille ²	LMCN***HV, LCN***HV4
Cassette Grille	PT-AAGW0	4-Way ceiling Cassettes 3x3 Dual Vane Panel	LCN**9HV ¹
	PT-QCHW0	4-Way Ceiling Cassette 2x2 Matte Grille	LMCN***HV, LCN***HV4
Cassette Ventilation	PTVK410	Ventilation Air Intake Spacer for 4-Way Ceiling Cassettes (requires PTVK420)	LCN***HV ¹
	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	FBXM201A	High-capacity filter box for M2 chassis	LHN368HV
	FBXM101A	High-capacity filter box for M1 chassis	LHN248HV

Outdoor Accessories



Control Adaptor



Base Pan Heater



Wind Baffle

Category	Model	Description	Used with
Low Ambient Kit	PQCAO	Control Adaptor	All Units (Prestige and Multi F HHV are not compatible)
	PAG-HS0	Front Wind Guard	LSU090HSV5, LSU120HSV5, LUU097HV, LUU127HV, LMU180HV, LMU240HV
	PAG-HS1	Rear / Side Wind Guard	LMU180HV, LMU240HV, LAU090HYV3 ² , LAU120HYV3 ²
	PAG-HS2	Rear / Side Wind Guard	LSU180HSV5
	PAG-HS3	Rear / Side Wind Guard	LSU090HSV5, LSU120HSV5, LUU097HV, LUU127HV, LAU090HYV3 ² , LAU120HYV3 ²
	PAG-HS4	Rear / Side Wind Guard	LMU360HHV ² , LMU420HHV ² , LMU480HV, LMU540HV, LMU600HV, LUU368HV, LUU369HV, LUU428HV, LUU429HV, LUU488HV
	PAG-HS5	Front Wind Guard	LMU360HHV ² , LMU420HHV ² , LMU480HV, LMU540HV, LMU600HV, LUU368HV, LUU369HV, LUU428HV, LUU429HV, LUU488HV
	PAG-HS6	Front Wind Guard	LSU243HLV3, LSU303HLV3, LSU363HLV3, LAU150HYV3 ² , LAU180HYV3 ² , LAU240HYV3 ² , LMU180HHV ² , LMU240HHV ² , LMU300HHV ² , LMU30CHV, LMU36CHV, LUU188HV, LUU189HV, LUU248HV, LUU249HV
	PAG-HS7	Rear / Side Wind Guard	LSU243HLV3, LSU303HLV3, LSU363HLV3, LAU150HYV3 ² , LAU180HYV3 ² , LAU240HYV3 ² , LMU180HHV ² , LMU240HHV ² , LMU300HHV ² , LMU30CHV, LMU36CHV, LUU188HV, LUU189HV, LUU248HV, LUU249HV
PAG-HS8	Front Wind Guard	LSU180HSV5	
Base Pan Heater	PQSH1200	Base Pan Heater for Multi F and Single Zone Cassette and Ducted	All Multi F and Multi F Max Outdoor Units, LUU18*HV, LUU24*HV, LUU36*HV, LUU42*HV, LUU48*HV ³
	PQSH1201	Base Pan Heater for Wall Mounted	LSU180HSV5, LSU243HLV3, LSU303HLV3, LSU363HLV3
	PQSH1202	Base Pan Heater for Single Zone Cassette and Ducted	LUU09*HV, LUU12*HV ⁴

Note:

1. Accessory is not compatible with LCN***HV4 models

2. Prestige and Multi F HHV units are not meant to be used as low ambient cooling but still can use the specific wind guards for other purpose

3. Base 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

4. Only applicable with units manufactured after February 2018

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

CONTROLS AND ACCESSORIES COMPATIBILITY

Indoor Accessories



Single Zone		Wi-Fi Module ³	LG MultiSITE™ Remote Controllers	Simple Remote Controller	RS3 Remote Controllers	Dry Contact (Setback)	Dry Contact (Thermostat)	Remote Temp/ Button Sensor	Group Control	Cable Extension	Aux Heater Relay Kit	Aux Heater Relay Kit
		PWFMD200	PREMTBVC1 PREMTBVC0	PREMTVC00U	PREMTB100	PDRYCB400	PDRYCB320	ZRTBS01	PZCWRC3	PZCWRC1	PRARS1	PRARH1
Dual Cool™	LS---HSV5	Built-in	0	0	0	0	0	X	X	0	X	-
Longpipe	LS---HLV3	Built-in	0	0	0	0	0	X	X	0	X	-
Art Cool™ Mirror	LA---HSV5	Built-in	0	0	0	0	0	X	X	0	X	-
Dual Cool™ Prestige	LA---HYV3	Built-in	0	0	0	0	0	X	X	0	X	-
Cassette	LC---HV4	0	0	0	0	0	0	0	0	0	-	0
	LC---HHV4	0	0	0	0	0	0	0	0	0	-	0
	LC---HHV	0	0	0	0	0	0	0	0	0	-	0
Console	LQ---HV4	0	0	0	0	0	0	0	0	0	-	0
	LH---8HV	0	0	0	0	0	0	0	0	0	-	0
Ducted	LH---HHV4	0	0	0	0	0	0	0	0	0	-	0
	LH---HHV	0	0	0	0	0	0	0	0	0	-	0
	LD---HV4	0	0	0	0	0	0	0	0	0	-	0
	LD187HV4	0	0	0	0	0	0	0	0	0	-	0
Vertical AHU	LV--1HV4	0	0	0	0	0	Built-in	0	0	0	-	0
	LV--1HHV4	0	0	0	0	0	Built-in	0	0	0	-	0
	LV--HV	0	0	0	0	0	Built-in	0	0	0	-	X
	LV--HHV	0	0	0	0	0	Built-in	0	0	0	-	X
Multi-Zone		Wi-Fi Module ³	LG MultiSITE™ Remote Controllers	Simple Remote Controller	RS3 Remote Controllers	Dry Contact (Setback)	Dry Contact (Thermostat)	Remote Temp/ Button Sensor	Group Control	Cable Extension	Aux Heater Relay Kit	Aux Heater Relay Kit
		PWFMD200	PREMTBVC1 PREMTBVC0	PREMTVC00U	PREMTB100	PDRYCB400	PDRYCB320	ZRTBS01	PZCWRC3	PZCWRC1	PRARS1	PRARH1
Dual Cool™	LMN079HVT	Built-in	0	0	0	0	0	X	0	0	0	-
	LSN090HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
	LSN120HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
	LMN159HVT	Built-in	0	0	0	0	0	X	0	0	0	-
	LSN180HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
	LMN249HVT	Built-in	0	0	0	0	0	X	0	0	0	-
Art Cool™ Mirror	LAN090HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
	LAN120HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
	LAN180HSV5	Built-in	0	0	0	0	0	X	0	0	0	-
Cassette	LMCN078HV	0	0	0	0	0	0	0	0	0	-	0
	LCN098HV4	0	0	0	0	0	0	0	0	0	-	0
	LCN128HV4	0	0	0	0	0	0	0	0	0	-	0
	LCN188HV4	0	0	0	0	0	0	0	0	0	-	0
Console	LQN090HV4	0	0	0	0	0	0	0	0	0	-	0
	LQN120HV4	0	0	0	0	0	0	0	0	0	-	0
	LMQN150HV	0	0	0	0	0	0	0	0	0	-	0
Low Static Duct	LDN097HV4	0	0	0	0	0	0	0	0	0	-	0
	LDN127HV4	0	0	0	0	0	0	0	0	0	-	0
	LDN187HV4	0	0	0	0	0	0	0	0	0	-	0
High Static Duct	LHN248HV	0	0	0	0	0	0	0	0	0	-	0
	LHN368HV	0	0	0	0	0	0	0	0	0	-	0
Vertical AHU	LVN181HV4	0	0	0	0	0	Built-in	0	0	0	-	0
	LVN241HV4	0	0	0	0	0	Built-in	0	0	0	-	0
	LVN360HV4	0	0	0	0	0	Built-in	0	0	0	-	0

Note:

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

Some IDUs have a control wire terminal block to connect a wired controller with field-supplied control cable instead of the LG control cable (with Molex connection). See IDU engineering manual or installation manual for details.

1. 9/12kBTu production starting July 2019; 18/24kBTu production starting Jan 22, 2020

2. Emergency Heat function is not available with Aux Heat Relay Kit.

3. LG is committed to expanding Wi-Fi Module compatibility throughout our products. For the most updated Wi-Fi Module compatibility chart, please visit www.lg-dfs.com

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

CONTROLS AND ACCESSORIES COMPATIBILITY

Outdoor Accessories & Service Accessories



PMNFP14A1



PACS5A000



PACP5A000



PLNWKB100



PLGMVW100

Single Zone		PI485 for ODU	PDI Premium & Standard	AC Smart5 Central Control	ACP 5 Central Control	ACP LonWorks*	LGMV Hard Lock Key & Cable	Mobile LGMV ¹
		PMNFP14A1	PQNUD1541 PPWRDB000	PACS5A000	PACP5A000	PLNWKB100	PRCTILO	PLGMVW100
Dual Cool	LS---HSV3	0	0	0	0	0	0	0
Longpipe	LS---HLV3	0	0	0	0	0	0	0
Art Cool™ Mirror	LA---HSV5	0	0	0	0	0	0	0
Dual Cool™ Prestige	LA---HYV3	0	0	0	0	0	0	0
Cassette	LC---HV4	0	0	0	0	0	0	0
	LC---HV	0	0	0	0	0	0	0
Console	LQ---HV4	0	0	0	0	0	0	0
Ducted	LH--8HV	0	0	0	0	0	0	0
	LD--HV4	0	0	0	0	0	0	0
Vertical AHU	LV--1HV4	0	0	0	0	0	0	0
	LV---HV	0	0	0	0	0	0	0
Multi-Zone		PI485 for ODU	PDI Premium & Standard	AC Smart5 Central Control	ACP 5 Central Control	ACP LonWorks*	LGMV Hard Lock Key & Cable	Mobile LGMV
		PMNFP14A1	PQNUD1541 PPWRDB000	PACS5A000	PACP5A000	PLNWKB100	PRCTILO	PLGMVW100
Multi F	LMU180HV	0	0	0	0	0	0	0
	LMU180HHV	0	0	0	0	0	0	0
	LMU240HV	0	0	0	0	0	0	0
	LMU240HHV	0	0	0	0	0	0	0
	LMU30CHV	0	0	0	0	0	0	0
	LMU300HHV	0	0	0	0	0	0	0
	LMU36CHV	0	0	0	0	0	0	0
Multi F MAX	LMU360HHV	0	0	0	0	0	0	0
	LMU420HHV	0	0	0	0	0	0	0
	LMU480HV	0	0	0	0	0	0	0
	LMU540HV	0	0	0	0	0	0	0
	LMU600HV	0	0	0	0	0	0	0

Note:

"0" in a cell indicates available; "X" indicates not available; "-" indicates not applicable

1. Mobile LGMV consists of the wifi module with connecting cable (PLGMVW100) and the LGMV App running on an Android device (smartphone or table).

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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	Energy Star	CEE Tier
DUALCOOL™ Prestige	204825177	LAU090HYV3	LAN090HYV3	15.80	27.50	13.50	★	Tier 3
	204825178	LAU120HYV3	LAN120HYV3	13.80	25.50	12.50	★	Tier 3
	204825179	LAU150HYV3	LAN150HYV3	15.00	25.00	13.50	★	Tier 3
	204825180	LAU180HYV3	LAN180HYV3	14.40	24.00	13.00	★	Tier 3
	204825181	LAU240HYV3	LAN240HYV3	13.00	22.50	12.50	★	Tier 3
ART COOL™ Mirror	10567393	LSU090HSV5	LAN090HSV5	14.50	23.50	11.30	★	Tier 3
	10570122	LSU120HSV5	LAN120HSV5	12.50	22.70	11.40	★	Tier 1
	10567390	LSU180HSV5	LAN180HSV5	12.60	21.50	10.20	★	Tier 1
DualCool	10567394	LSU090HSV5	LSN090HSV5	14.50	23.50	11.30	★	Tier 3
	10570123	LSU120HSV5	LSN120HSV5	12.50	22.70	11.40	★	Tier 1
	10567391	LSU180HSV5	LSN180HSV5	12.60	21.50	10.20	★	Tier 1
	204825182	LSU243HLV3	LSN243HLV3	13.00	21.50	12.00	★	Tier 3
	204825183	LSU303HLV3	LSN303HLV3	11.30	20.00	11.50		
	204825184	LSU363HLV3	LSN363HLV3	10.00	18.50	11.00		
	4-Way Cassette	8931560	LUU097HV	LCN098HV4	13.65	20.20	10.50	★
8905114		LUU127HV	LCN128HV4	12.60	19.40	10.40	★	Tier 1
5859619		LUU189HV	LCN188HV4	12.50	20.50	10.00	★	Tier 1
205788763		LUU180HHV	LCN188HHV4	12.8	20.00	11.10	★	Tier 1
203161150		LUU249HV	LCN249HHV	12.60	20.00	10.50	★	Tier 1
203161151		LUU369HV	LCN369HHV	12.50	19.00	9.50	★	Tier 1
205788764		LUU240HHV	LCN249HV	12.60	21.00	10.2	★	Tier 1
205788771		LUU480HHV	LCN489HV	12.50	17.50	11.70	★	Tier 1
Console	205049408	LUU097HV	LQN090HV4	12.60	21.00	10.40	★	Tier 1
	205049407	LUU127HV	LQN120HV4	12.60	20.80	10.20	★	Tier 1
Low Static	8931561	LUU097HV	LDN097HV4	12.70	18.50	10.30	★	Tier 1
	8931559	LUU127HV	LDN127HV4	12.90	19.60	10.50	★	Tier 1
	202177383	LUU189HV	LDN187HV4	11.50	18.00	10.00		
	LUU180HHV	LUU180HHV	LDN187HHV4	12.5	18.80	10.00	★	Tier 1
High Static	203161353	LUU249HV	LHN248HV4	12.00	19.00	10.50		Tier 0
	205788767	LUU240HHV	LHN248HV	12.70	19.50	11.00	★	Tier 1
	203161354	LUU369HV	LHN368HV	12.10	19.00	9.70		Tier 0
	205788769	LUU360HHV	LHN368HV	12.50	19.00	10.20	★	Tier 1
	205788770	LUU420HHV	LHN428HV	12.50	19.00	10.90	★	Tier 1
	205788772	LUU480HHV	LH488HHV	12.5	18.70	11.20	★	Tier 1
	203161351	LUU189HV	LVN181HV4	13.30	19.20	10.40	★	Tier 3
Vertical AHU	205788774	LUU180HHV	LVN181HV4	13.60	19.20	10.40	★	Tier 3
	203161352	LUU249HV	LVN241HV4	12.00	19.50	11.00		Tier 0
	205788775	LUU240HHV	LVN241HV4	12.70	19.50	11.00	★	Tier 1
	103991150	LUU368HV	LVN360HV4	12.50	18.00	10.00	★	Tier 1
	205788773	LUU360HHV	LVN361HV4	12.50	17.80	10.70	★	Tier 1
	10400575	LUU428HV	LVN420HV	11.05	17.00	10.00		
	205788776	LUU420HHV	LVN420HV	12.50	19.60	11.00	★	Tier 1
	10401183	LUU488HV	LVN480HV	10.00	16.50	9.50		
	205788777	LUU480HHV	LVN480HHV	12.50	19.00	10.50	★	Tier 1

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF	Energy Star	CEE Tier
206221543	LMU180HV	Non-Ducted Indoor Units	13.50	22.50	11.00	★	Tier 3
206221549	LMU180HV	Ducted Indoor Units	12.50	18.50	9.60	★	Tier 1
206221550	LMU180HV	Mixed Ducted and Non-Ducted Indoor Units	13.00	20.50	10.30	★	Tier 3
10445372	LMU180HHV	Non-Ducted Indoor Units	13.50	21.00	10.00	★	Tier 3
10445373	LMU180HHV	Ducted Indoor Units	12.00	17.50	9.00		Tier 0
10516996	LMU180HHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.25	9.50	★	Tier 1
206221544	LMU240HV	Non-Ducted Indoor Units	13.50	22.50	11.00	★	Tier 3
206221551	LMU240HV	Ducted Indoor Units	12.50	18.50	9.80	★	Tier 1
206221552	LMU240HV	Mixed Ducted and Non-Ducted Indoor Units	13.00	20.50	10.40	★	Tier 3
10445374	LMU240HHV	Non-Ducted Indoor Units	13.50	21.00	10.70	★	Tier 3
10445375	LMU240HHV	Ducted Indoor Units	11.50	17.00	9.00		
10516997	LMU240HHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.00	9.85		Tier 1
8111355	LMU30CHV	Non-Ducted Indoor Units	13.00	22.00	10.00	★	Tier 3
8111356	LMU30CHV	Ducted Indoor Units	11.00	18.20	9.70	★	
8111359	LMU30CHV	Mixed Ducted and Non-Ducted Indoor Units	12.00	20.10	9.85	★	Tier 0
10445376	LMU300HHV	Non-Ducted Indoor Units	12.50	20.00	11.00		Tier 1
10445377	LMU300HHV	Ducted Indoor Units	10.50	17.50	9.50	★	
10525928	LMU300HHV	Mixed Ducted and Non-Ducted Indoor Units	11.50	18.75	10.25		
7180063	LMU36CHV	Non-Ducted Indoor Units	13.00	22.00	10.00	★	Tier 3
7180064	LMU36CHV	Ducted Indoor Units	11.00	18.20	9.70	★	
7184508	LMU36CHV	Mixed Ducted and Non-Ducted Indoor Units	12.00	20.10	9.85	★	Tier 0
10443472	LMU360HHV	Non-Ducted Indoor Units	15.00	21.00	11.50	★	Tier 3
10443475	LMU360HHV	Ducted Indoor Units	13.50	17.50	10.50		Tier 2
10445111	LMU360HHV	Mixed Ducted and Non-Ducted Indoor Units	14.25	19.25	11.00		Tier 3
10443471	LMU420HHV	Non-Ducted Indoor Units	14.00	20.50	11.00		Tier 3
10443474	LMU420HHV	Ducted Indoor Units	13.00	19.00	10.50		Tier 3
10444103	LMU420HHV	Mixed Ducted and Non-Ducted Indoor Units	13.50	19.75	10.75		Tier 3
8111358	LMU480HV	Non-Ducted Indoor Units	12.50	19.50	10.00		
8111357	LMU480HV	Ducted Indoor Units	10.80	17.50	9.70		
8111360	LMU480HV	Mixed Ducted and Non-Ducted Indoor Units	11.65	18.50	9.85	★	
8898928	LMU600HV	Non-Ducted Indoor Units	11.40	20.50	11.00	★	
8898929	LMU600HV	Ducted Indoor Units	10.50	18.50	10.50	★	
8898930	LMU600HV	Mixed Ducted and Non-Ducted Indoor Units	10.95	19.50	10.75	★	

Note:

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



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.

HOW TO READ LG MODEL NUMBERS

SINGLE ZONE SYSTEMS – INDOOR/OUTDOOR

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

Brand	L	LG																
Family	A	Art Cool™ Wall Mounted	C	Four-Way Ceiling Cassette	D	Ceiling-Concealed Duct (Low Static)	Q Console	H	Ceiling-Concealed Duct (High Static)	S	Standard Wall Mounted	U	Cassette/Duct ODU	V	Vertical Air Handling Unit			
Component	N	Indoor Unit						U	Outdoor Unit									
Nominal Capacity	09	9,000	12	12,000	15	15,000	18	18,000	24	24,000	30	30,000	36	36,000	42	42,000	48	48,000
Generation	0-8																	
Cycle	H	Heat Pump																
Product Type	HV	LGRED	LV	Extended Pipe Inverter	SV	Art Cool™ Mirror Inverter & High-Efficiency Inverter			V	Standard Inverter	YV	DUALCOOL Prestige 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	CN	Four-Way Ceiling-Cassette Indoor Unit	DN	Ceiling-Concealed Duct (Low Static) Indoor Unit	HN	Ceiling-Concealed Duct (High Static) Indoor Unit	N	Standard Wall Mounted Indoor Unit	VN	Vertical-Horizontal Air Handling Indoor Unit	U	Outdoor Unit	QN	Console								
Nominal Capacity	07	7,000	09	9,000	12	12,000	15	15,000	18	18,000	24	24,000	30	30,000	36	36,000	42	42,000	48	48,000	54	54,000	60	60,000
Generation	0-5-6-7-8-9-C																							
Cycle/Type	HV	Inverter Heat Pump							HHV	High Heat (LGRED ^o) 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.

Packaged Terminal Air Conditioners

7,000-15,000 BTU/h Digital Control (230/208V)

Model	Unit	208-230V Heat Pump								
		LP073IHP		LP093IHP		LP123IHP		LP153IHP		
Power Supply	V, Ø, Hz	208 / 60 / 1	230 / 60 / 1	208 / 60 / 1	230 / 60 / 1	208 / 60 / 1	230 / 60 / 1	208 / 60 / 1	230 / 60 / 1	
Cooling Capacity	Btu/h	7,600	7,600	10,000	10,000	12,000	12,000	15,000	15,000	
Heating Capacity	Btu/h	7,000	7,000	8,800	8,800	12,000	12,000	13,800	13,800	
Electric Heater Capacity	with 15A Cord	Btu/h (kW)	5,600	6,800	5,600	6,800	5,600	6,800	5,600	6,800
	with 20A Cord	Btu/h (kW)	8,300	10,200	8,300	10,200	8,300	10,200	8,300	10,200
	with 30A Cord	Btu/h (kW)	13,500	17,000	13,500	17,000	13,500	17,000	13,500	17,000
EER		13.4		12.0		12.0		10.5		
COP		3.9		3.6		3.6		3.3		
MCA	with 15A Cord	A	11.9		11.9		11.9		11.9	
	with 20A Cord	A	17.2		17.2		17.2		17.2	
	with 30A Cord	A	28.0		28.0		28.0		28.0	
MOP	with 15A Cord	A	15		15		15		15	
	with 20A Cord	A	20		20		20		20	
	with 30A Cord	A	30		30		30		30	
Weight (Net/Shipping)	lbs	100 / 114		100 / 114		107 / 120		107 / 120		
Dimensions (W x H x D)	in	42 x 16 x 19-7/8		42 x 16 x 19-7/8		42 x 16 x 19-7/8		42 x 16 x 19-7/8		
Sound Pressure Max (IDU/ODU)	dB(A)	49 / 64		49 / 64		53 / 67		53 / 67		
Indoor Air Circulation Max	CFM	260		260		400		400		
Dehumidification	pts/hr	1.9		2.8		2.8		4.5		
Cooling Rated Amps	A	3.1	2.9	4.4	4.9	5.3	4.8	7.1	6.6	
Heating Rated Amps	A	2.9	2.7	4.3	3.9	5.1	4.6	6.3	5.7	
Cooling Power Input	W	565	565	830	830	0	1,000	1,430	1,430	
Heating Power Input	W	525	525	815	815	975	975	1,225	1,225	

Accessories

Type	Model	Name
Control	AYWH110	Wired Wall Thermostat Connection Kit (1 included with every PTAC)
	PQRCHCSA	LG Wired Wall Thermostat
Type	Model	Name
Indoor	AYFT110	Replacement Filters (10-pack)
	AYLD1A	Lateral Duct Kit
	AYSB1201	Sub Base (208/230V, 20A)
	AYSB1301	Sub Base (208/230V, 30A)
Type	Model	Name
Outdoor	AYAGALA01A	Aluminum Architectural Grille
	AYAGALB01A	Dark Bronze Color Architectural Grille
	AYDR101B	Condensate Drain Kit
	AYSVB01A	42" Wall Sleeve
	AYFDSV01	42" Four Pieces Wall Sleeve
	AYDSW120B	Disconnect Switch 15-20A
	AYDSW130B	Disconnect Switch 30A
Type	Model	Name
Power Cord ¹	AYUH2315	Inverter PTAC 15Amp Electrical Cord
	AYUH2320	Inverter PTAC 20Amp Electrical Cord
	AYUH2330	Inverter PTAC 30Amp Electrical Cord

Note:
1. All power cords (AYUH23**) are only compatible with Inverter Heat Pump PTAC



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