



RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

LG Air Conditioning Technologies 2024



ABOUT LG



About LG Electronics Canada Inc.

LG Electronics Canada Inc. is the Canadian subsidiary of LG Electronics Inc., a USD \$68 billion in global sales innovator in technology and consumer electronics headquartered in Seoul, South Korea. LG Electronics Canada, with its head office in Toronto, Ontario, is comprised of four business units - Home Appliance, Home Entertainment, Business Solutions and Air Solutions. LG Electronics Canada is focused on delivering award-winning products known for blending style and technology. These innovative products include TVs, audio solutions and portable devices, home appliances, residential and commercial air solutions, computer monitors and laptops, and industry-leading OLED and LED digital display solutions.

For more information, please visit www.lg.ca.

LG Electronics Canada Air Solutions

The LG Electronics Canada Air Solutions 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 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.

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 system make it easier to provide customized cooling and heating in every room without 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 makes it easy to learn about LG systems and product applications.

PERFORMANCE LG makes a wide range of ductless 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 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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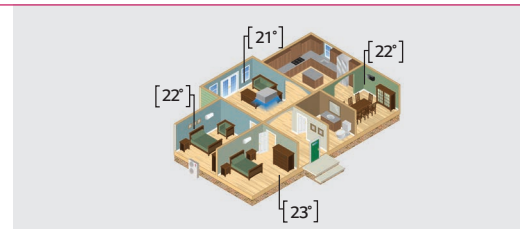
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LG ADVANTAGES

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 useage by heating or cooling only the zones in use.



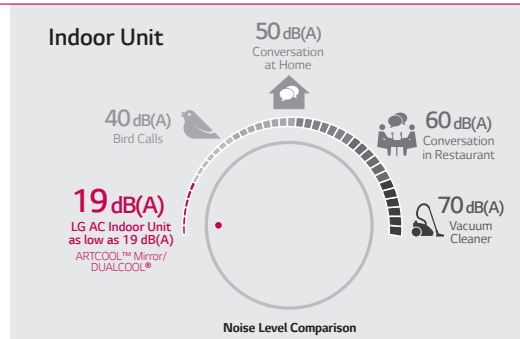
GOLD FIN COATING

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



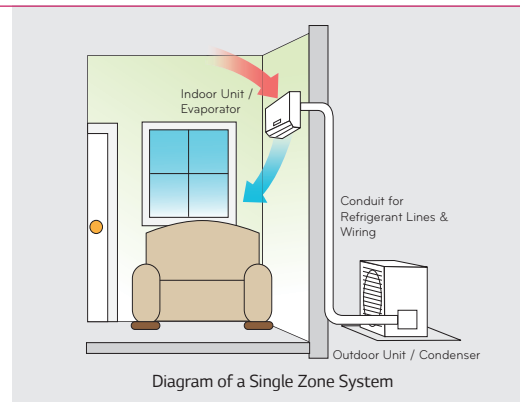
QUIET OPERATION

LG ductless 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 ductless 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 Filters³ 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.

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

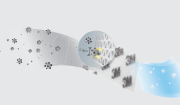
Self-Cleaning Indoor Coil

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



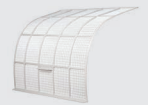
MICRO Dust Filter

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



Air Filter

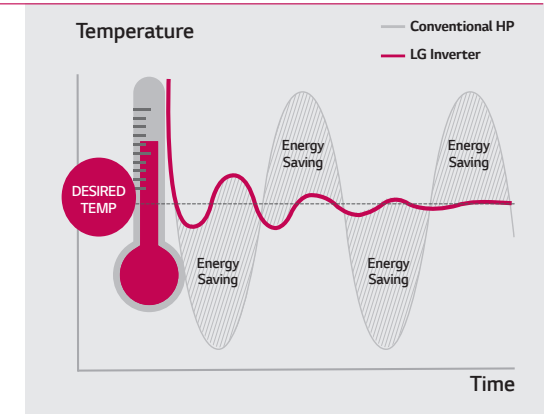
This primary filter captures dust size over 10µm.



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

Advanced technology that can exceed 100% of the rated heating capacity performance down to -15° C and continuous heating performance down to -25° C.

LGRED°

Powerful Heat Technology

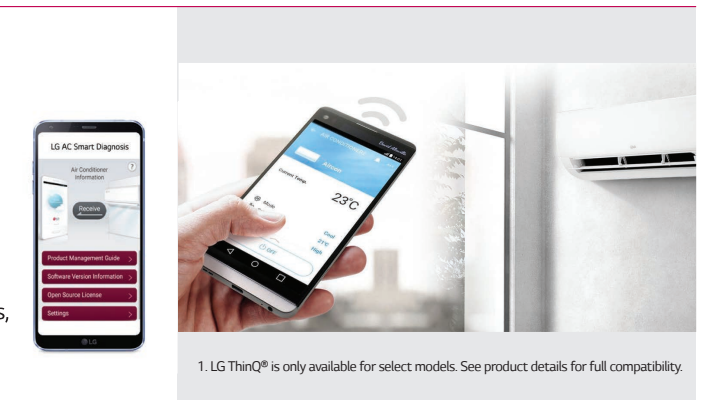
RELIABLE TO EXTREME DEGREES

LG ThinQ®

Whenever, wherever and no matter how many heat pump systems you have, LG ThinQ^{®1} lets 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 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.



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

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.

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:

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

Unit Placement (Indoor & Outdoor)

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

Additionally for indoor units:

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

Wiring

- Use wire that fulfills or exceeds the minimum wire requirements:
- Multi F MAX to BD unit: 14-4
- All other wiring: Follow local guidelines
- L1 and L2 are polarity sensitive on all models
- 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 CARD
LG RESIDENTIAL / LIGHT COMMERCIAL SYSTEMS

Outdoor Units = ODU, Indoor Units = IDUs

Single-Zone Wall Mounted System Components

Dual Cool Prestige: LAN***HYV3 IDUs / LAU***HYV3 ODUs,
Art Cool Mirror: LAN***HSV5 IDUs / LAU***HSV5 ODUs
Dual Cool: LSN***HSV5 IDUs / LSU***HSV5 ODUs
Dual Cool Long Piping: LSN***HLV3 IDUs / LSU***HLV3 ODUs

Single-Zone AHUs/Cassette System Components

High Static Ducted: LHN***HV IDUs / LUU***HV ODUs, LHN***HV IDUs / LUU***HHV ODUs
Mid Static Ducted: LHN***HV1 IDUs / LUU***HV ODUs, LHN***HV1 IDUs / LUU***HHV
Ceiling-Cassette: LCN***8HV4 IDUs / LUU***HV, LCN188HV4 IDU / LUU180HHV ODU
LCN***HV IDUs / LUU***HHV ODUs
Vertical Air Handling Units: LVN***HV4 IDUs / LUU**9HV ODUs, LVN***HV IDUs / LUU**8HV ODUs
LVN***HV4 IDUs / LUU***HHV, LVN***HV IDUs / LUU***HHV ODUs
Floor Console: LQN***HV4 IDUs / LUU**7HV ODUs

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

Multi HHV ODUs: LMU180HHV, LMU240HHV, LMU300HHV, LMU361HHV, LMU421HHV, LMU480HHV
Multi F ODUs: LMU180HV, LMU240HV, LMU30CHV, LMU36CHV, LMU183HV, LMU243HV, LMU303HV, LMU363HV
Multi F MAX ODUs: LMU481HV, LMU483HV, LMU541HV, LMU543HV, LMU601HV
Multi F MAX Branch Distribution Units: PMBD36**

Multi F / Multi F MAX Multi-Zone Indoor Units

Dual Cool Wall Mounted IDUs: LSN***HSV5, LMN***HVT
Art Cool Mirror Wall-Mounted IDUs: LAN***HSV5
High-Static Ducted IDUs: LHN**8HV4
Low-Static Ducted IDUs: LMDN**7HV4
Ceiling-Cassette IDUs: LCN***8HV4, LMCN***HV
Vertical / Horizontal Air Handling Units: LVN**1HV4
Floor Console: 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.LG.CA

1. STANDARD FIVE (5) YEAR WARRANTY FOR A QUALIFIED SYSTEM - The Part(s) of a qualified System, including the compressor, are warranted for a period (the "Standard Parts Warranty Period") ending five (5) years after the date of original installation. In absence of proof of installation the warranty date will end five (5) years from the date of manufacture.
2. ADDITIONAL FIVE (5) YEAR COMPRESSOR PART WARRANTY (Single Split Wall Mounted)- The Compressor is warranted for an additional five (5) year period after the end of the applicable Standard Part Warranty Period (the "Compressor Warranty Period"), for applicable units listed above.
3. ADDITIONAL TWO (2) YEAR COMPRESSOR PART WARRANTY (Single Zone AHUs/Cassettes and Multi Splits) - The Compressor is warranted for an additional two (2) year period after the end of the applicable Standard Part Warranty Period (the "Compressor Warranty Period"), for applicable units listed above.
The Standard Warranty Period and the Compressor Warranty Period are extended to a total of ten (10) years (the LIMITED REGISTERED WARRANTY "Limited Registered Warranty Period") for qualified Systems that have been (a) installed pursuant to LG's published instructions and (b) product is registered within 60 days of startup at www.lg.ca
This Limited Warranty does not cover charges for labour or any other costs incurred in connection with this Limited Warranty.

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	LGRED° LA120HYV3	LGRED° LA150HYV3	LGRED° LA180HYV3	LGRED° LA240HYV3				
	ARTCOOL™ Mirror LA090HSV5	LA120HSV5		LA181HSV5					
	DUALCOOL® LS090HSV5	LS120HSV5		LS181HSV5	LS243HLV3 Extended Piping	LS303HLV3 Extended Piping	LS363HLV3 Extended Piping		
Console	LQ090HV	LQ120HV							
Ceiling Mounted	4-Way Cassette LC098HV	LC128HV		LGRED° LC188HHV4	LGRED° LC249HHV		LGRED° LC369HHV	LGRED° LC429HHV	LGRED° LC489HHV
	Mid Static LH098HV1	LH128HV1		LH188HV1	LGRED° LH248HV1				
High Static				LGRED° LH248HHV4			LGRED° LH368HHV4	LGRED° LH428HHV	LGRED° LH488HHV
Vertical AHU (Multi Position)				LGRED° LV181HHV4	LGRED° LV241HHV4		LGRED° LV361HHV4	LGRED° LV420HHV	LGRED° LV480HHV
				LV181HV	LV241HV		LV361HV	LV420HV	LV480HV

LG DUALCOOL® PRESTIGE



Tested Down to -30°C Heating Operation



LA090HYV3
LA120HYV3

LA150HYV3
LA180HYV3
LA240HYV3

Specification	Unit	LGRED°		LGRED°		LGRED°	
		LA090HYV3	LA120HYV3	LA150HYV3	LA180HYV3	LA240HYV3	
Indoor Unit		LAN090HYV3	LAN120HYV3	LAN150HYV3	LAN180HYV3	LAN240HYV3	
Outdoor Unit		LAU090HYV3	LAU120HYV3	LAU150HYV3	LAU180HYV3	LAU240HYV3	
Rated Cooling Capacity	Btu/h	9,000	12,000	25.5 / 13.8	18,000	22,000	
Cooling Capacity Range	Btu/h	1,023 ~ 13,000	1,023 ~ 13,785	11.2 / 8.3	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 / COP	Btu/h	11,940 / 3.36	14,760 / 3.35	21,430 / 2.83	24,920 / 2.77	27,360 / 2.54	
Max Heating Capacity at -15°C / COP ⁵	Btu/h	11,000 / 3.13	13,600 / 2.91	18,950 / 2.55	21,600 / 2.44	23,700 / 2.24	
Max Heating Capacity at -25°C / COP	Btu/h	8,030 / 2.56	9,640 / 2.28	14,660 / 2.17	15,680 / 1.98	17,740 / 1.88	
SEER2 / EER2		27.0 / 15.8	25.5 / 13.8	25.0 / 15.0	24.0 / 14.4	23.0 / 13.0	
HSPF2 (IV / V)		13.5 / 11.7	11.2 / 8.3	11.0 / 8.2	10.8 / 8.0	10.0 / 7.8	
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	
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	
Power Input (Cooling/Heating)	kW	0.57 / 0.71	0.87 / 0.97	1.00 / 1.125	1.25 / 1.54	1.69 / 2.08	
MCA	A	11.2	11.2	19	19	19	
MOCP	A	15	15	30	30	30	
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	
Rated Amps Cool	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-H50 / PAG-H51	PAG-H50 / PAG-H51	PAG-H56 / PAG-H57	PAG-H56 / PAG-H57	PAG-H56 / PAG-H57	
Operation Range 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	
Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	
Dimensions IDU Dimensions (WxHxD)	in	39-9/32x13-19/32x8-9/32	39-9/32x13-19/32x8-9/32	41-23/32x14-3/16x10-7/16	41-23/32x14-3/16x10-7/16	41-23/32x14-3/16x10-7/16	
ODU Dimensions (WxHxD)	in	34-1/4x25-19/32x13	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	
Airflow (Max/H/M/L) ⁶	CFM	530/424/353/184	530/424/353/184	813/601/495/389	813/601/495/389	813/601/495/389	
Unit Data Dehumidification	pts/hr	3.17	3.59	3.8	4.65	4.65	
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	
Base Pan Heater		Included	Included	Included	Included	Included	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
Sound Pressure ⁷ 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 (Cool / Heat)	dB(A)	50	50	56	56	56	
Piping ⁸ 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	
Factory Charge of R410a	lbs	2.53	2.53	4.85	4.85	4.85	
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		Wireless Remote	Included	Included	Included	Included	
Standard Warranty			5 Years Parts, 10 Years Compressor (Parts only, labour not included)				
Limited Registered Warranty*			10 Years Parts, 10 Years Compressor (Parts only, labour not included)				

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control 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.
- The Capacities at -15 °C does not refer to H42 testing conditions.
- 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. * Quebec customers are not required to register their products

LG ARTCOOL® MIRROR



LA090HSV5
LA120HSV5
LA181HSV5

Specification	Unit	LA090HSV5		LA120HSV5		LA181HSV5	
		LAN090HSV5	LSU090HSV5	LAN120HSV5	LSU120HSV5	LAN181HSV5	LSU181HSV5
Indoor Unit		LAN090HSV5	LSU090HSV5	LAN120HSV5	LSU120HSV5	LAN181HSV5	LSU181HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU120HSV5	LSU120HSV5	LSU181HSV5	LSU181HSV5
Rated Cooling Capacity	Btu/h	9,000	12,000	12,000	12,000	18,000	18,000
Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 12,625	1,023 ~ 13,785	1,023 ~ 13,785	3,070 ~ 29,515	3,070 ~ 29,515
Rated Heating Capacity	Btu/h	10,900	13,600	21,600	21,600	21,600	21,600
Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 17,061	1,023 ~ 22,178	1,023 ~ 22,178	3,070 ~ 38,898	3,070 ~ 38,898
Capacity ^{1,2} Max Heating Capacity at -8.3°C / COP	Btu/h	11,080 / 3.18	13,810 / 2.71	13,810 / 2.71	13,810 / 2.71	22,340 / 2.59	22,340 / 2.59
Max Heating Capacity at -15°C / COP ⁵	Btu/h	9,570 / 2.8	11,930 / 2.38	11,930 / 2.38	11,930 / 2.38	19,300 / 2.28	19,300 / 2.28
Max Heating Capacity at -20°C / COP	Btu/h	8,310 / 2.62	10,360 / 2.23	10,360 / 2.23	10,360 / 2.23	16,760 / 2.13	16,760 / 2.13
SEER2 / EER2		23.2 / 14.5	22.0 / 12.5	22.0 / 12.5	22.0 / 12.5	22.0 / 12.55	22.0 / 12.55
HSPF2 (IV / V)		10.2 / 7.6	10.0 / 7.5	10.0 / 7.5	10.0 / 7.5	9.5 / 7.8	9.5 / 7.8
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	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling / Heating)	kW	0.62 / 0.71	0.96 / 1.04	1.43 / 1.73	1.43 / 1.73	1.43 / 1.73	1.43 / 1.73
MCA	A	10	10	13	13	13	13
MOCP	A	15	15	20	20	20	20
Power / Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps (Cool / Heat)	A	7.4 / 7.4	7.4 / 7.4	9.85 / 9.85	9.85 / 9.85	9.85 / 9.85	9.85 / 9.85
Operation Range ODU Heating Operation Range	°C WB	-20 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3
ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
Optional Wind Baffle ⁴		PAG-H50 / PAG-H53	PAG-H50 / PAG-H53	PAG-H50 / PAG-H53	PAG-H50 / PAG-H53	PAG-H52 / PAG-H58	PAG-H52 / PAG-H58
Operation Range 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	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	15.6 ~ 30
Set Point Range Cooling	°C	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30
Set Point Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Dimensions IDU Dimensions (WxHxD)	in	32-15/16x12-1/8x7-9/16	32-15/16x12-1/8x7-9/16	32-15/16x12-1/8x7-9/16	32-15/16x12-1/8x7-9/16	39-9/32x13-19/32x8-11/32	39-9/32x13-19/32x8-11/32
ODU Dimensions (WxHxD)	in	30-5/16x21-1/2x11-5/16	30-5/16x21-1/2x11-5/16	30-5/16x21-1/2x11-5/16	30-5/16x21-1/2x11-5/16	37-13/32x32-3/4x13	37-13/32x32-3/4x13
Weight IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4	29.8 / 36.4	29.8 / 36.4	29.8 / 36.4
ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	127.9 / 145.5	127.9 / 145.5	127.9 / 145.5	127.9 / 145.5
Airflow (Max/H/M/L) ⁶	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371	706 / 530 / 477 / 371
Unit Data Dehumidification	pts/hr	2.7	2.7	5.5	5.5	5.5	5.5
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Base Pan Heater		Included	Included	Included	Included	Included	Included
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure ⁷ Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29	45 / 40 / 35 / 29
Outdoor Max	dB(A)	48	48	53	53	53	53
Piping ⁸ Liquid Pipe	in.	1/4	1/4	3/8	3/8	3/8	3/8
Vapor Pipe	in.	3/8	3/8	5/8	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8	9.8 / 114.8	9.8 / 114.8	9.8 / 114.8
Max Pipe Elevation	ft	49.2	49.2	49.2	49.2	49.2	49.2
Precharge Pipe Length	ft	41	41	24.6	24.6	24.6	24.6
Factory Charge of R410a	lbs	2.2	2.2	3.53	3.53	3.53	3.53
Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38	0.38	0.38
Drain (OD, ID)	in.	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller		Wireless Remote	Included	Included	Included	Included	Included
Standard Warranty			5 Years Parts, 10 Years Compressor (Parts only, labour not included)				
Limited Registered Warranty*			10 Years Parts, 10 Years Compressor (Parts only, labour not included)				

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
- The Capacities at -15 °C does not refer to H42 testing conditions.
- 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®



LS090HSV5
LS120HSV5
LS181HSV5



LG DUALCOOL® ThinQ® EXTENDED PIPING



LS243HLV3
LS303HLV3
LS363HLV3



WALL MOUNTED

Specification	Unit	LS090HSV5	LS120HSV5	LS181HSV5
Indoor Unit		LSN090HSV5	LSN120HSV5	LSN181HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU181HSV5
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 / COP ¹	Btu/h	11,080 / 3.18	13,810 / 2.71	22,340 / 2.59
Max Heating Capacity at -15°C / COP ⁵	Btu/h	9,570 / 2.81	11,930 / 2.38	19,300 / 2.28
Max Heating Capacity at -20°C / COP ⁵	Btu/h	8,310 / 2.62	10,360 / 2.23	16,760 / 2.12
SEER2 / EER2		23.2 / 14.5	22.0 / 12.5	22.0 / 12.55
HSPF2 (IV / V)		10.2 / 7.6	10.0 / 7.5	9.5 / 7.8
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling/Heating)	kW	0.62 / 0.71	0.96 / 1.04	1.43 / 1.73
MCA	A	10	10	13
MOCP	A	15	15	20
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Rated Amps Cool	A	7.4 / 7.4	7.4 / 7.4	9.85 / 9.85
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	18 ~ 30	18 ~ 30	18 ~ 30
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30
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	37-13/32 x 32-3/4 x 13
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	127.9 / 145.5
Airflow (Max/H/M/L) ⁶	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
Base Pan Heater		Included	Included	Included
Refrigerant Type		R410A	R410A	R410A
Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
Outdoor Max (Cool/Heat)	dB(A)	48	48	53
Liquid Pipe	in.	1/4	1/4	3/8
Vapor Pipe	in.	3/8	3/8	5/8
Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
Max Pipe Elevation	ft	49.2	49.2	49.2
Precharge Pipe Length	ft	41	41	24.6
Factory Charge of R410a	lbs	2.2	2.2	3.53
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	Wireless Remote	Included	Included	Included
Standard Warranty		5 Years Parts, 10 Years Compressor (Parts only, labour not included)		
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCAO is not compatible with LGRED[®] lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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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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 / COP ¹	Btu/h	27,360 / 2.54	32,500 / 2.39	35,740 / 2.12
Max Heating Capacity at -15°C / COP ⁵	Btu/h	23,700 / 2.24	28,080 / 2.11	30,890 / 1.87
Max Heating Capacity at -20°C / COP ⁵	Btu/h	21,170 / 2.15	24,390 / 1.97	26,820 / 1.75
SEER2 / EER2		22.0 / 13.0	20.5 / 11.3	19.0 / 10.0
HSPF2 (IV / V)		9.5 / 7.6	7.9 / 6.3	7.9 / 6.0
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling / Heating)	kW	1.69 / 2.08	2.66 / 2.75	3.30 / 3.12
MCA	A	19	23	23
MOCP	A	30	30	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	-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-H56 / PAG-H57	PAG-H56 / PAG-H57	PAG-H56 / PAG-H57
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	18 ~ 30	18 ~ 30	18 ~ 30
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30
IDU Dimensions (WxHxD)	in	41-23/32 x 14-3/16 x 10-7/16	47-1/4 x 14-3/16 x 10-7/16	47-1/4 x 14-3/16 x 10-7/16
ODU Dimensions (WxHxD)	in	37-13/32 x 32-3/4 x 13	37-13/32 x 32-3/4 x 13	37-13/32 x 32-3/4 x 13
IDU Weight (Net/Shipping)	lbs	36.6 / 44.5	40.8 / 48.9	40.8 / 48.9
ODU Weight (Net/Shipping)	lbs	135.4 / 147.7	147.9 / 160.3	147.9 / 160.3
Airflow (Max/H/M/L) ⁶	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
Base Pan Heater		Included	Included	Included
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 (Cool/Heat)	dB(A)	56	58	58
Liquid Pipe	in.	3/8	3/8	3/8
Vapor Pipe	in.	5/8	5/8	5/8
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
Factory Charge of R410a	lbs	4.85	5.3	5.3
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	Wireless Remote	Included	Included	Included
Standard Warranty		5 Years Parts, 10 Years Compressor (Parts only, labour not included)		
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCAO is not compatible with LGRED[®] lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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



LQ090HV
LQ120HV

Specification	Unit	LQ090HV	LQ120HV
Indoor Unit		LQN090HV4	LQN120HV4
Outdoor Unit		LUU090HV	LUU120HV
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
Capacity ^{1,2}			
Max Heating Capacity at -8.3°C / COP	Btu/h	10,640 / 1.99	12,080 / 2.1
Max Heating Capacity at -15°C / COP ³	Btu/h	10,200 / 1.94	10,800 / 2.09
Max Heating Capacity at -20°C / COP	Btu/h	9,380 / 1.91	9,960 / 1.85
SEER2 / EER2		21.0 / 12.6	20.8 / 12.6
HSPF2 (IV / V)		10.4 / 8.7	10.2 / 8.8
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU
Power			
Power Input (Cooling/Heating)	kW	0.71 / 0.85	0.81 / 1.23
MCA	A	11.9	12.3
MOCP	A	15	15
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14
Rated Amps Cool	A	9.9 / 9.9	9.95 / 9.95
ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8
ODU Cooling Operation Range	°C DB	-15 ~ 47.8	-15 ~ 47.8
Optional Wind Baffle ⁴		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3
Operating Range			
IDU Operation Range Cooling	°C WB	13.8 ~ 25	13.8 ~ 25
IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2
Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30
Dimensions			
IDU Dimensions (WxHxD)	in	27-9/16 x 23-5/8 x 8-9/32	27-9/16 x 23-5/8 x 8-9/32
ODU Dimensions (WxHxD)	in	30-5/16x21-15/32x11-11/32	30-5/16x21-15/32x11-11/32
Weight			
IDU Weight (Net/Shipping)	lbs	35.9/42.5	35.9/42.5
ODU Weight (Net/Shipping)	lbs	74.5/80	74.5/80
Airflow (Max/H/M/L) ⁵	CFM	318 / 300 / 237 / 177	353 / 318 / 244 / 184
Unit Data			
Dehumidification	pts/hr	2.0	2.5
Compressor Type		Twin Rotary	Twin Rotary
Base Pan Heaters ⁹		Sold Separately (PQSH1202)	Sold Separately (PQSH1202)
Refrigerant Type		R410A	R410A
Sound Pressure ⁷			
Indoor (H/M/L/SL)	dB(A)	38 / 32 / 27	39 / 32 / 27
Outdoor Max (Cool / Heat)	dB(A)	49 / 52	49 / 52
Piping ⁸			
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
Factory Charge of R410a	lbs	2.42	2.42
Additional Refrigerant	oz/ft	0.22	0.22
Drain (OD/ID)	in.	1-1/4, 1	1-1/4, 1
Controller			
Wireless Remote		Included	Included
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)	
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)	

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED[®] lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

4-WAY CASSETTE (2'x 2')



LGRED[®] LG ThinQ[®]



LC098HV
LC128HV



LC188HV
LC188HV4

Specification	Unit	LC098HV	LC128HV	LC188HV	LC188HV4
Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4	LCN188HV4
Outdoor Unit		LUU090HV	LUU120HV	LUU180HV	LUU180HV
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 ~ 23,700
Capacity ^{1,2}					
Max Heating Capacity at -8.3°C / COP	Btu/h	11,000 / 2.39	11,900 / 2.37	17,000 / 2.43	22,500 / 1.94
Max Heating Capacity at -15°C / COP ³	Btu/h	10,100 / 2.11	10,700 / 2.13	16,200 / 1.85	20,000 / 1.76
Max Heating Capacity at -20°C / COP	Btu/h	9,040 / 2.05	9,280 / 2.02	15,250 / 1.89	17,920 / 1.52
Max Heating Capacity at -25°C / COP	Btu/h	N/A	N/A	N/A	15,990 / 1.30
SEER2 / EER2		20.20 / 13.65	19.4 / 12.6	20.5 / 12.5	20.0 / 12.8
HSPF2 (IV / V)		10.55 / 8.70	10.35 / 8.20	9.70 / 7.75	9.40 / 7.45
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
Power					
Power Input (Cooling / Heating)	kW	0.66 / 0.83	0.88 / 1.19	1.44 / 1.95	1.41 / 1.80
MCA	A	11.9	12.3	20	22
MOCP	A	15	15	30	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	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 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 ⁴		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
Operating Range					
IDU Operation Range Cooling	°C WB	13.8 ~ 25.0	13.8 ~ 25.0	13.8 ~ 25.0	13.8 ~ 25.0
IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Dimensions					
IDU Dimensions (WxHxD)	in	22-7/16x9-19/64x22-7/16	22-7/16x9-19/64x22-7/16	22-7/16x10-63/64x22-7/16	22-7/16x9-9/32x22-7/16
ODU Dimensions (WxHxD)	in	30-5/16x21-15/32x11-11/32	30-5/16x21-15/32x11-11/32	37-13/32x32-27/32x12-31/32	37-13/32x32-27/32x13
Weight					
IDU Weight (Net/Shipping)	lbs	31 / 37	31 / 37	32 / 40	31.5 / 40
ODU Weight (Net/Shipping)	lbs	71 / 76	71 / 76	130.1 / 147.7	133.4 / 144.4
Airflow (Max/H/M/L) ⁵	CFM	300 / 265 / 230	335 / 283 / 247	459 / 424 / 388	494 / 460 / 424 / 388
Unit Data					
Dehumidification	pts/hr	1.6	2.47	3.3	4.3
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	R1 Scroll
Base Pan Heaters ⁹		Sold Separately (PQSH1202)	Sold Separately (PQSH1202)	Sold Separately (PQSH1200)	Included
Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure ⁷					
Indoor (H/M/L/SL)	dB(A)	36 / 33 / 30	36 / 33 / 32	43 / 41 / 38	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	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	16.4 / 164	16.4 / 164
Max Pipe Elevation	ft	49	49	98.4	98.4
Precharge Pipe Length	ft	24.6	24.6	24.6	24.9
Factory Charge of R410a	lbs	2.42	2.42	3.75	4.41
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					
Wireless Remote		Included	Included	Included	Included
Accessories					
Grille		PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
Grille Weight (Net / Shipping)		7 / 9	7 / 9	6.6 / 8.8	7 / 8.8
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED[®] lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

4-WAY CASSETTE (3'x 3')



LC249HV



LC369HV
LC429HV



Specification	Unit	LC249HV	LC369HV	LC429HV
Indoor Unit		LCN249HV	LCN369HV	LCN429HV
Outdoor Unit		LUU240HV	LUU360HV	LUU420HV
Rated Cooling Capacity	Btu/h	23,000	36,000	42,000
Cooling Capacity Range	Btu/h	9,600 ~ 28,000	14,400 ~ 42,000	16,800 ~ 48,700
Rated Heating Capacity	Btu/h	27,000	40,000	47,000
Heating Capacity Range	Btu/h	10,800 ~ 30,000	16,000 ~ 42,200	18,800 ~ 49,800
Capacity ^{1,2}				
Max Heating Capacity at -8.3°C / COP	Btu/h	26,000 / 2.65	38,000 / 2.03	41,500 / 2.15
Max Heating Capacity at -15°C / COP ³	Btu/h	21,200 / 2.07	35,000 / 2.1	39,000 / 1.96
Max Heating Capacity at -20°C / COP	Btu/h	20,760 / 1.91	31,450 / 1.82	38,230 / 2.06
SEER2 / EER2		20 / 11.7	21 / 12.5	19.3 / 10.45
HSPF2 (I / V)		10.20 / 8.4	10.0 / 8.3	10.05 / 7.75
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU		
Power Input (Cooling/Heating)	kW	1.96 / 2.25	2.88 / 3.26	4.01 / 3.63
MCA	A	20	32	32
MOCP	A	30	40	40
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Rated Amps Cool/Heat	A	15.7 / 15.7	26.3 / 26.3	26.3 / 26.3
ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
ODU Cooling Operation Range	°C DB	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8
Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
Operating Range				
IDU Operation Range Cooling	°C WB	13.8 ~ 25.0	13.8 ~ 25.0	13.8 ~ 25.0
IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
Setpoint Range Cooling	°C	18.3 ~ 30	18.3 ~ 30	18.3 ~ 30
Setpoint Range Heating	°C	16.1 ~ 30	16.1 ~ 30	16.1 ~ 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
ODU Dimensions (WxHxD)	in	37-13/32x32-27/32x13	37-13/32x54-11/32x13	37-13/32x54-11/32x13
Weight				
IDU Weight (Net/Shipping)	lbs	45.9 / 54.9	56.4 / 67.7	60.2 / 70.5
ODU Weight (Net/Shipping)	lbs	130.1 / 147.7	193.1 / 217.4	193.1 / 217.4
Unit Data				
Airflow (Max/H/M/L) ⁵	CFM	794 / 671 / 600 / 530	1,200 / 971 / 883 / 794	1,483 / 1,130 / 953 / 812
Dehumidification	pts/hr	3.80	7.1	7.27
Compressor Type		Twin Rotary	R1 Scroll	R1 Scroll
Base Pan Heater ⁹		Sold Separately (PQSH1200)		Sold Separately (PQSH1200)
Refrigerant Type		R410A	R410A	R410A
Sound Pressure ⁷				
Indoor (H/M/L/SL)	dB(A)	48 / 40 / 37 / 35 / 32	55 / 44 / 42 / 41 / 40	56 / 46 / 43 / 41 / 39
Outdoor Max (Cool/Heat)	dB(A)	48 / 52	52 / 54	52 / 54
Piping ⁸				
Liquid Pipe	in.	3/8	3/8	3/8
Vapor Pipe	in.	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 246	16.4 / 246
Max Pipe Elevation	ft	98.4	98.4	98.4
Precharge Pipe Length	ft	24.6	24.6	24.9
Factory Charge of R410a	lbs	4.41	7.5	7.5
Additional Refrigerant	oz/ft	0.43	0.43	0.43
Drain (OD, ID)	in.	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller				
Wireless Remote		Included	Included	Included
Accessories				
Grille		PT-AAGW0	PT-AAGW0	PT-AAGW0
Grille Weight (Net / Shipping)		15.6 / 20.5	15.6 / 20.5	15.6 / 20.5
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)		
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40°C (-40°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

4-WAY CASSETTE (3'x 3')



LC249HHV
LC369HHV



LC429HHV
LC489HHV



Specification	Unit	LGRED [®] LC249HHV	LGRED [®] LC369HHV	LGRED [®] LC429HHV	LGRED [®] LC489HHV
Indoor Unit		LCN249HHV	LCN369HHV	LCN429HHV	LCN489HHV
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 / COP	Btu/h	28,700 / 1.96	41,700 / 2.00	50,700 / 2.26	54,500 / 2.40
Max Heating Capacity at -15°C / COP ³	Btu/h	27,600 / 1.81	37,000 / 2.11	40,000 / 2.20	40,500 / 2.20
Max Heating Capacity at -20°C / COP	Btu/h	24,410 / 1.54	36,000 / 1.67	43,000 / 1.86	43,740 / 1.91
Max Heating Capacity at -25°C / COP	Btu/h	21,610 / 1.34	30,000 / 1.55	36,000 / 1.70	36,000 / 1.72
SEER2 / EER2		21.0 / 12.6	21.5 / 12.6	19.5 / 12.8	17.5 / 12.5
HSPF2 (I / V)		10.20 / 8.25	10.55 / 8.35	10.75 / 8.30	10.65 / 8.15
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU			
Power Input (Cooling/Heating)	kW	1.91 / 2.25	2.86 / 3.20	3.28 / 3.41	3.84 / 3.85
MCA	A	22	32	32	32
MOCP	A	30	40	40	40
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps Cool/Heat	A	16.7 / 16.7	26.2 / 26.2	26.5 / 26.5	26.5 / 26.5
ODU Heating Operation Range	°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 ⁴		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
Operating Range					
IDU Operation Range Cooling	°C WB	13.8 ~ 25.0	13.8 ~ 25.0	13.8 ~ 25.0	13.8 ~ 25.0
IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
Setpoint Range Cooling	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Dimensions					
IDU Dimensions (WxHxD)	in	33-3/32x8-1/32x33-3/32	33-3/32x11-11/32x33-3/32	33-3/32x11-11/32x33-3/32	33-3/32x11-11/32x33-3/32
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	3.8	7.1	7.3	7.3
Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
Base Pan Heater ⁹		Included			
Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure ⁷					
Indoor (H/M/L/SL)	dB(A)	40 / 37 / 35 / 32	44 / 42 / 41 / 40	46 / 43 / 41 / 39	46 / 43 / 41 / 39
Outdoor Max (Cool/Heat)	dB(A)	51 / 52	52 / 54	54 / 56	54 / 56
Piping ⁸					
Liquid Pipe	in	3/8	3/8	3/8	3/8
Vapor Pipe	in	5/8	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 246	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
Factory Charge of R410a	lbs	4.41	7.5	7.5	7.5
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					
Wireless Remote		Included	Included	Included	Included
Accessories					
Grille		PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
Grille Weight (Net / Shipping)		15.6 / 20.5	15.6 / 20.5	15.6 / 20.5	15.6 / 20.5
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40°C (-40°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

MID STATIC DUCTED



LH098HV1
LH128HV1
LH188HV1



Specification	Unit	LH098HV1	LH128HV1	LH188HV1
Indoor Unit		LHN098HV1	LHN128HV1	LHN188HV1
Outdoor Unit		LUU090HV	LUU120HV	LUU180HV
Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
Cooling Capacity Range	Btu/h	3,600 - 10,700	4,640 - 14,000	7,400 - 21,100
Rated Heating Capacity	Btu/h	13,500	15,000	20,000
Heating Capacity Range	Btu/h	5,600 - 16,000	6,400 - 17,800	6,800 - 21,800
Max Heating Capacity at -8.3°C / COP	Btu/h	11,700 / 2.2	13,100 / 2.39	21,300 / 2.22
Max Heating Capacity at -15°C / COP ⁵	Btu/h	11,000 / 2.3	11,000 / 2.3	16,000 / 1.89
Max Heating Capacity at -20°C / COP	Btu/h	10,260 / 2.41	9,410 / 2.27	12,340 / 1.68
SEER2 / EER2		16 / 11.8	16 / 11.7	17.8 / 12.6
HSPF2 (IV / V)		10.4 / 8.7	10.5 / 8.9	9.9 / 8.4
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling/Heating)	kW	0.76 / 1.06	1.03 / 1.27	1.43 / 1.62
MCA	A	11.9	12.3	20
MOCP	A	15	15	30
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Rated Amps Cool	A	10.95 / 10.95	10.95 / 10.95	16.8 / 16.8
ODU Heating Operation Range	°C WB	-20 - 17.8	-20 - 17.8	-20 - 17.8
ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8	-15 - 47.8
Optional Wind Baffle ⁴		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7
IDU Operation Range Cooling	°C WB	13.8 - 25	13.8 - 25	13.8 - 25
IDU Operation Range Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2
Setpoint Range Cooling	°C	18 - 30	18 - 30	18 - 30
Setpoint Range Heating	°C	16 - 30	16 - 30	16 - 30
IDU Dimensions (WxHxD)	in.	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28
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 12-31/32
IDU Weight (Net/Shipping)	lbs	61.5 / 71.7	61.5 / 71.7	61.5 / 71.7
ODU Weight (Net/Shipping)	lbs	71 / 76	71 / 76	130.1 / 147.7
Airflow (Max/H/M/L) ⁶	CFM	353.1 / 317.8 / 282.5	494.4 / 423.8 / 353.1	635.7 / 529.7 / 423.8
Static Pressure Range	in.wg	0.1 - 0.59	0.1 - 0.59	0.1 - 0.59
Dehumidification	pts/hr	0.85	1.4	2.75
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Base Pan Heater ⁹		Sold Separately (PQSH1202)	Sold Separately (PQSH1202)	Sold Separately (PQSH1200)
Refrigerant Type		R410A	R410A	R410A
Indoor (H/M/L/SL)	dB(A)	28 / 27 / 26	31 / 29 / 28	36 / 32 / 29
Outdoor Max (Cool/Heat)	dB(A)	47 / 51	49 / 52	48 / 52
Liquid Pipe	in.	1/4	1/4	3/8
Vapor Pipe	in.	3/8	3/8	5/8
Pipe Length (Min/Max)	ft	9.8 / 66	9.8 / 66	9.8 / 164
Max Pipe Elevation	ft	49	49	98.4
Precharge Pipe Length	ft	24.9	24.9	24.9
Factory Charge of R410a	lbs	2.4	2.4	3.75
Additional Refrigerant	oz/ft	0.22	0.22	0.43
Drain (OD, ID)	in.	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)		
Limited Registered Warranty*		10 Years Parts, 10 Years Compressor (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40°C (-40°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

MID STATIC DUCTED *Continued*



LH248HV1
LH188HHV1
LH248HHV1

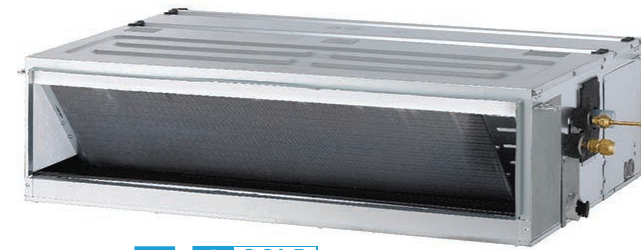


Specification	Unit	LH248HV1	LH188HHV1	LH248HHV1
Indoor Unit		LHN248HV1	LHN188HV1	LHN248HV1
Outdoor Unit		LUU240HV	LUU180HHV	LUU240HHV
Rated Cooling Capacity	Btu/h	24,000	18,000	24,000
Cooling Capacity Range	Btu/h	9,600 - 27,000	7,400 - 22,100	9,600 - 27,000
Rated Heating Capacity	Btu/h	27,000	20,000	27,000
Heating Capacity Range	Btu/h	10,800 - 30,000	6,800 - 24,000	10,800 - 30,000
Max Heating Capacity at -8.3°C / COP	Btu/h	27,800 / 2.33	21,700 / 2.07	29,500 / 2.16
Max Heating Capacity at -15°C / COP ⁵	Btu/h	24,000 / 2.1	17,000 / 1.90	27,500 / 1.81
Max Heating Capacity at -20°C / COP	Btu/h	21,010 / 1.95	13,670 / 1.81	25,140 / 1.80
SEER2 / EER2		18.5 / 11.8	17.5 / 12.3	16.75 / 11.8
HSPF2 (IV / V)		10.4 / 9	9.2 / 8.4	9.4 / 7.9
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling/Heating)	kW	1.92 / 2.10	1.43 / 1.62	1.92 / 2.10
MCA	A	20	20	20
MOCP	A	30	30	30
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Rated Amps Cool/Heat	A	16.8 / 16.8	16.8 / 16.8	16.8 / 16.8
ODU Heating Operation Range	°C WB	-20 - 17.8	-25 - 17.8	-25 - 17.8
ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8	-15 - 47.8
Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
IDU Operation Range Cooling	°C WB	13.8 - 25	13.8 - 25	13.8 - 25
IDU Operation Range Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2
Setpoint Range Cooling	°C	18 - 30	18 - 30	18 - 30
Setpoint Range Heating	°C	16 - 30	16 - 30	16 - 30
IDU Dimensions (WxHxD)	in.	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28
ODU Dimensions (WxHxD)	in.	37-13/32 x 32-27/32 x 12-31/32	37-13/32 x 32-27/32 x 12-31/32	37-13/32 x 32-27/32 x 12-31/32
IDU Weight (Net/Shipping)	lbs	64.2 / 74.3	61.5 / 71.7	64.2 / 74.3
ODU Weight (Net/Shipping)	lbs	130.1 / 147.7	130.1 / 147.7	130.1 / 147.7
Airflow (Max/H/M/L) ⁶	CFM	706.3 / 547.4 / 459.1	635.7 / 529.7 / 423.8	706.3 / 547.4 / 459.1
Static Pressure Range	pts/hr	0.1 - 0.59	0.1 - 0.59	0.1 - 0.59
Dehumidification		4.23	2.75	4.23
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Base Pan Heater ⁹		Sold Separately (PQSH1200)	Included	Included
Refrigerant Type		R410A	R410A	R410A
Indoor (H/M/L/SL)	dB(A)	38 / 33 / 30	36 / 32 / 29	38 / 33 / 30
Outdoor Max (Cool/Heat)	dB(A)	48 / 52	48 / 52	48 / 52
Liquid Pipe	in.	3/8	3/8	3/8
Vapor Pipe	in.	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	9.8 / 164	9.8 / 164	9.8 / 164
Max Pipe Elevation	ft	98.4	98.4	98.4
Precharge Pipe Length	ft	24.9	24.9	24.9
Factory Charge of R410a	lbs	4.4	4.4	4.4
Additional Refrigerant	oz/ft	0.43	0.43	0.43
Drain (OD, ID)	in.	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)		
Limited Registered Warranty*		10 Years Parts, 10 Years Compressor (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40°C (-40°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

HIGH STATIC DUCTED



LH248HV
LH368HV



Specification	Unit	LH248HV	LH368HV
Indoor Unit		LHN248HV	LHN368HV
Outdoor Unit		LUU240HV	LUU360HV
Rated Cooling Capacity	Btu/h	24,000	36,000
Cooling Capacity Range	Btu/h	9,600 - 27,000	14,400 - 41,400
Rated Heating Capacity	Btu/h	27,000	40,000
Heating Capacity Range	Btu/h	10,800 - 30,000	16,000 - 42,200
Max Heating Capacity at -8.3°C / COP	Btu/h	26,000 / 2.67	41,500 / 2.29
Max Heating Capacity at -15°C / COP ⁵	Btu/h	21,400 / 1.94	33,600 / 1.87
Max Heating Capacity at -20°C / COP	Btu/h	20,760 / 1.93	27,310 / 1.57
Max Heating Capacity at -25°C / COP	Btu/h	N/A	N/A
SEER2 / EER2		16.85 / 11.7	18.85 / 11.85
HSPF2 (IV / V)		9.00 / 7.30	9.20 / 7.30
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU
Power Input (Cooling / Heating)	kW	2.05 / 2.26	3.04 / 3.37
MCA	A	20	32
MOCP	A	30	40
Power / Communication Wiring ³	No. x AWG	4 x 14	4 x 14
Rated Amps (Cool / Heat)	A	16.7 / 16.7	27.5 / 27.5
ODU Heating Operation Range	°C WB	-20 - 17.8	-20 - 17.8
ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8
Optional Wind Baffle ⁴		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5
IDU Operation Range Cooling	°C WB	13.8 - 25.0	13.8 - 25.0
IDU Operation Range Heating	°C DB	15.0 - 27.2	15.0 - 27.2
Set Point Range Cooling	°C	18 - 30	18 - 30
Set Point Range Heating	°C	16 - 30	16 - 30
IDU Dimensions (WxHxD)	in.	35-1/2 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4
ODU Dimensions (WxHxD)	in.	37-13/32 x 32-27/32 x 12-31/32	37-13/32 x 54-11/32 x 13
IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	85.3 / 99.4
ODU Weight (Net/Shipping)	lbs	130.0 / 147.7	193.1 / 217.4
Airflow (Max/H/M/L) ⁶	CFM	777 / 706 / 636	1,130 / 989 / 848
Static Pressure Range	in.wg	0.1 - 0.59	0.1 - 0.59
Dehumidification	pts/hr	5.1	5.9
Compressor Type		Twin Rotary	Scroll
Base Pan Heater ⁹		Sold Separately (PQSH1200)	Sold Separately (PQSH1200)
Refrigerant Type		R410A	R410A
Indoor (H/M/L/SL)	dB(A)	37 / 35 / 34	44 / 42 / 40
Outdoor Max (Cool / Heat)	dB(A)	48 / 52	52 / 54
Liquid Pipe	in.	3/8	3/8
Vapor Pipe	in.	5/8	5/8
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 246.1
Max Pipe Elevation	ft	98.4	98.4
Precharge Pipe Length	ft	24.6	24.6
Factory Charge of R410a	lbs	4.4	7.5
Additional Refrigerant	oz/ft	0.43	0.43
Drain (OD, ID)	in.	1-1/4, 1	1-1/4, 1
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)	
Limited Registered Warranty*		10 Years Parts, 10 Years Compressor (Parts only, labour not included)	

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
 - Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED® lineup.
 - The Capacities at -15°C does not refer to H42 testing conditions.
 - 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.
 - Base Pan Heater is recommended for extreme heating design conditions.
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HIGH STATIC DUCTED Continued



LH248HHV4
LH368HHV4
LH428HHV
LH488HHV



Specification	Unit	LH248HHV4	LH368HHV4	LH428HHV	LH488HHV
Indoor Unit		LHN248HV	LHN368HV	LHN428HV	LHN488HV
Outdoor Unit		LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Rated Cooling Capacity	Btu/h	23,000	36,000	42,000	46,000
Cooling Capacity Range	Btu/h	9,200 - 32,000	14,400 - 44,000	16,800 - 50,000	18,400 - 55,000
Rated Heating Capacity	Btu/h	27,000	40,000	48,000	50,000
Heating Capacity Range	Btu/h	8,000 - 36,000	16,000 - 46,000	18,000 - 57,600	19,000 - 60,000
Max Heating Capacity at -8.3°C / COP	Btu/h	29,500 / 2.36	41,700 / 2.26	50,700 / 2.26	52,800 / 2.33
Max Heating Capacity at -15°C / COP ⁵	Btu/h	28,400 / 2.27	33,600 / 1.87	39,500 / 2.07	41,000 / 2.07
Max Heating Capacity at -20°C / COP	Btu/h	24,250 / 1.59	35,970 / 1.68	41,820 / 1.78	43,590 / 1.89
Max Heating Capacity at -25°C / COP	Btu/h	21,600 / 1.39	30,000 / 1.57	34,510 / 1.60	36,010 / 1.70
SEER2 / EER2		16.75 / 12.0	18.3 / 12.0	18.7 / 12.05	17.7 / 11.7
HSPF2 (IV / V)		9.4 / 8.00	9.20 / 7.30	9.15 / 7.45	9.40 / 7.50
Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling / Heating)	kW	1.84 / 2.08	2.88 / 3.36	3.36 / 4.50	3.68 / 4.55
MCA	A	22	32	32	32
MOCP	A	30	40	40	40
Power / Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps (Cool / Heat)	A	17.7 / 17.7	27.5 / 27.5	26.5 / 26.5	26.5 / 26.5
ODU Heating Operation Range	°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 ⁴		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
IDU Operation Range Cooling	°C WB	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0
IDU Operation Range Heating	°C DB	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2
Set Point Range Cooling	°C	18 - 30	18 - 30	18 - 30	18 - 30
Set Point Range Heating	°C	16 - 30	16 - 30	16 - 30	16 - 30
IDU Dimensions (WxHxD)	in.	35-1/2 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-7/32 x 14-3/16 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16
ODU Dimensions (WxHxD)	in.	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	85.3 / 99.4	95.9 / 112.9	95.9 / 112.9
ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Airflow (Max/H/M/L) ⁶	CFM	777 / 706 / 636	1,130 / 989 / 847	1,412 / 1,200 / 988	1,765 / 1,589 / 1,412
Static Pressure Range	in.wg	0.1 - 0.59	0.1 - 0.59	0.16 - 0.59	0.16 - 0.59
Dehumidification	pts/hr	3.5	7.9	7.2	7.6
Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
Base Pan Heater ⁹		Included	Included	Included	Included
Refrigerant Type		R410A	R410A	R410A	R410A
Indoor (H/M/L/SL)	dB(A)	37 / 35 / 34	36 / 34 / 33	39 / 37 / 35	42 / 40 / 39
Outdoor Max (Cool / Heat)	dB(A)	51 / 52	52 / 54	54 / 56	54 / 56
Liquid Pipe	in.	3/8	3/8	3/8	3/8
Vapor Pipe	in.	5/8	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 246.1	16.4 / 246.1	16.4 / 246.1
Max Pipe Elevation	ft	98.4	98.4	98.4	98.4
Precharge Pipe Length	ft	24.9	24.9	24.9	24.9
Factory Charge of R410a	lbs	4.4	7.5	7.5	7.5
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
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
Limited Registered Warranty*		10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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 14 X 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 LGRED® line up.
 - The Capacities at -15°C does not refer to H42 testing conditions.
 - 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.
 - Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

Vertical AHU (Multi Position)



Specification	Unit	LV181HV	LV241HV	LV361HV	LV420HV	LV480HV
Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
Outdoor Unit		LUU180HV	LUU240HV	LUU360HV	LUU420HV	LUU480HV
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 / COP	Btu/h	21,000 / 2.31	26,000 / 2.54	37,350 / 2.19	39,000 / 2.29	40,000 / 2.17
Max Heating Capacity at -15°C / COP ⁵	Btu/h	16,200 / 2.02	21,400 / 2.15	33,800 / 1.81	38,500 / 1.88	39,500 / 1.93
Max Heating Capacity at -20°C / COP	Btu/h	19,910 / 1.99	20,760 / 1.96	32,220 / 1.80	32,890 / 2.13	33,020 / 2.13
SEER2 / EER2		17.25 / 12.3	17.6 / 11.45	16.25 / 11.0	17.2 / 10.75	16.8 / 9.7
HSPF2 (IV / V)		9.25 / 7.75	9.70 / 7.90	8.95 / 7.05	9.35 / 7.55	9.30 / 7.35
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
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling/Heating)	kW	1.46 / 1.73	2.10 / 2.31	3.27 / 3.65	3.91 / 3.95	4.95 / 4.19
MCA	A	20	20	32	32	32
MCOP	A	30	30	40	40	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	16.2 / 16.2	26.3 / 26.3	24.2 / 24.2	24.2 / 24.2
ODU Heating Operation Range	°C WB	-20 - 16.2	-20 - 16.2	-20 - 16.2	-20 - 16.2	-20 - 16.2
ODU Cooling Operation Range	°C DB	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8	-15 - 47.8
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	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0
IDU Operation Range Heating	°C DB	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2	15.0 - 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
IDU Dimensions (WxHxD)	in.	18 x 49-3/8 x 21-13/32	18 x 49-3/8 x 21-13/32	18 x 49-3/8 x 21-13/32	25 x 55-13/16 x 21-1/4	25 x 55-13/16 x 21-1/4
Dimensions						
ODU Dimensions (WxHxD)	in.	37-13/32 x 32-27/32 x 12-31/32	37-13/32 x 32-27/32 x 12-31/32	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight						
IDU Weight (Net/Shipping)	lbs	116.8 / 128.4	116.8 / 128.5	122.4 / 134.0	158.7 / 176.4	158.7 / 176.4
ODU Weight (Net/Shipping)	lbs	129 / 141	130.0 / 143.3	198.9 / 223.1	203.0 / 232.0	203.0 / 232.0
Airflow (Max/H/M/L) ⁶	CFM	640 / 580 / 480	710 / 640 / 480	990 / 880 / 800	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
Static Pressure Range	in.wg	0.1 - 0.7	0.1 - 0.7	0.1 - 0.7	0.1 - 0.3 - 1.0	0.1 - 0.3 - 1.0
Filter Rack Size	in	16 x 20 x 1	16 x 20 x 1	16 x 20 x 1	24 x 20 x 1	24 x 20 x 1
Unit Data						
Dehumidification	pts/hr	3.1	4.0	5.1	4.3	5.2
IDU Fan Motor Type		ECM	ECM	ECM	BLDC	BLDC
Compressor Type		Twin Rotary	Twin Rotary	Scroll	Twin Rotary	Twin Rotary
Base Pan Heaters ⁹		Sold Separately (PQSH1200)	Sold Separately (PQSH1200)	Sold Separately (PQSH1200)	Sold Separately (PQSH1200)	Sold Separately (PQSH1200)
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure ⁷						
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 ⁸						
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	24.9	24.9	24.9
Factory Charge of R410a	lbs	3.75	4.4	7.5	7.5	7.5
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
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)				
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)				

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit (PQCA0) will allow operation down to -40 °C (-40 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED[®] lineup.
- The Capacities at -15 °C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.

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Vertical AHU (Multi Position)



Specification	Unit	LV181HHV4	LV241HHV4	LV361HHV4	LV420HHV	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 / COP	Btu/h	23,400 / 1.91	29,500 / 1.91	39,000 / 1.88	51,400 / 2.28	53,700 / 2.31
Max Heating Capacity at -15°C / COP ⁵	Btu/h	16,500 / 2.09	24,200 / 1.8	33,800 / 1.81	40,000 / 2.27	40,500 / 2.25
Max Heating Capacity at -20°C / COP	Btu/h	20,840 / 1.59	24,250 / 1.51	33,810 / 1.64	38,200 / 1.80	39,960 / 1.83
Max Heating Capacity at -25°C / COP	Btu/h	19,760 / 1.44	21,590 / 1.32	28,140 / 1.53	28,810 / 1.48	34,990 / 1.8
SEER2 / EER2		17.05 / 13.35	16.45 / 11.90	16.4 / 11.95	17.30 / 12.0	17.75 / 11.95
HSPF2 (IV / V)		8.9 / 7.2	9.25 / 7.60	9.25 / 7.50	9.45 / 7.75	9.40 / 7.60
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
Voltage (IDU)		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
Power Input (Cooling/Heating)	kW	1.32 / 1.72	1.89 / 2.25	2.64 / 3.35	3.36 / 3.69	3.68 / 3.84
MCA	A	22	22	32	32	32
MCOP	A	30	30	40	40	40
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps Cool	A	17.2 / 17.2	17.2 / 17.2	26.3 / 26.3	27.4 / 27.4	27.4 / 27.4
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
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	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0	13.8 - 25.0
IDU Operation Range Heating	°C DB	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2	15.0 - 27.2
Setpoint Range Cooling	°C	18 - 30	18 - 30	18 - 30	18 - 30	18 - 30
Setpoint Range Heating	°C	16 - 30	16 - 30	16 - 30	16 - 30	16 - 30
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
Dimensions						
ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight						
IDU Weight (Net/Shipping)	lbs	116.8 / 128.4	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	133.3 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Airflow (Max/H/M/L) ⁶	CFM	640 / 580 / 480	710 / 640 / 480	988 / 883 / 798	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
Static Pressure Range	in.wg	0.1 - 0.7	0.1 - 0.7	0.1 - 0.7	0.1 - 1.0	0.1 - 1.0
Filter Rack Size	in	16 x 20 x 1	16 x 20 x 1	16 x 20 x 1	24 x 20 x 1	24 x 20 x 1
Unit Data						
Dehumidification	pts/hr	3.1	4.2	7.4	6.8	7.5
IDU Fan Motor Type		ECM	ECM	ECM	BLDC	BLDC
Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
Base Pan Heaters		Included	Included	Included	Included	Included
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure ⁷						
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)	51 / 52	51 / 52	52 / 54	54 / 56	54 / 56
Piping ⁸						
Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
Pipe Length (Min/Max)	ft	16.4 / 164	16.4 / 164	16.4 / 246	16.4 / 246	16.4 / 246
Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
Precharge Pipe Length	ft	24.6	24.6	24.9	24.9	24.9
Factory Charge of R410a	lbs	4.4	4.4	7.5	7.5	7.5
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
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)				
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)				

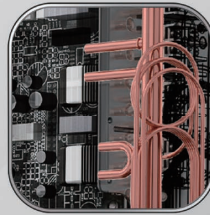
Note:

- 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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Control Kit will allow operation down to -17.8 °C (0 °F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with LGRED[®] line up.
- The Capacities at -15 °C does not refer to H42 testing conditions.
- 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.

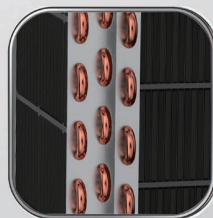
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MULTI HEATING OUTDOOR UNITS LGRED°

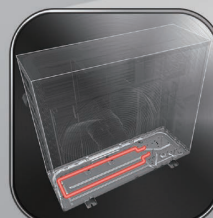
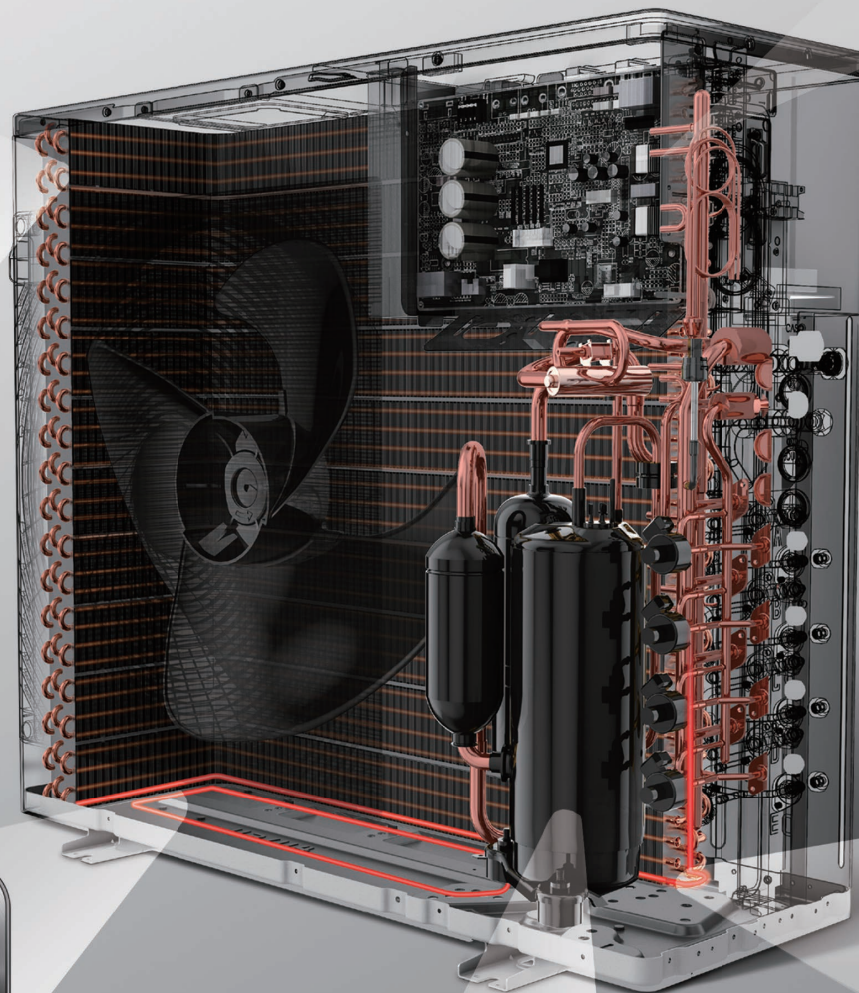
Products featuring LGRED° heat technology boast incredible heating performance: 100% of rated heating capacity performance at -15°C and continuous heating down to -25°C. This increased performance not only delivers heat without the reliance on fossil fuel energy sources but also operates with incredible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



Pipe Detect Mode Ensures All Piping & Wiring Match



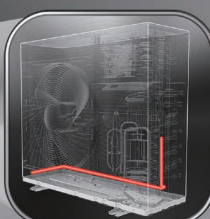
Triple-Pass Coil For Maximum Performance



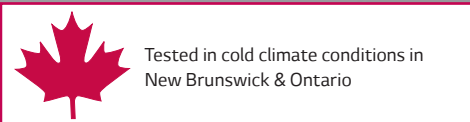
Factory-Installed Base Pan Heater Operates When Compressor Is Running In Heat Mode Below 0°C



High-Speed for Multi-F Series
High Speed Twin Rotary for Multi Max
LG DUAL Inverter Compressor™


















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



Tested in cold climate conditions in New Brunswick & Ontario

MULTI-ZONE Lineup

MULTI-ZONE

OUTDOOR UNITS				
Btu/h	Multi F	Minimum and Maximum Indoor Units	Combination Sample	
18,000	 LMU183HV  LGRED° LMU180HHV	2 - 2		
24,000	 LMU243HV  LGRED° LMU240HHV	2 - 3		
30,000	 LMU303HV  LGRED° LMU300HHV	2 - 4		
36,000	 LMU363HV	2 - 4		
Btu/h	Multi F MAX	Minimum and Maximum Indoor Units		Combination Sample
36,000	 LGRED° LMU361HHV	2 - 5		
42,000	 LGRED° LMU421HHV	2 - 6		
48,000	 LGRED° LMU480HHV  LGRED° LMU483HV	2 - 8		
54,000	 LMU543HV	2 - 8		
60,000	 LMU601HV	2 - 8		

MULTI-ZONE Lineup

ALLOWABLE COMBINATIONS Multi F Outdoor Units

INDOOR UNITS							
Btu/h	7,000	9,000	12,000	15,000	18,000	24,000	36,000
Wall Mounted	ARTCOOL™ Mirror	 LAN090HSV5	 LAN120HSV5		 LAN181HSV5		
	DUALCOOL®	 LMN079HVT Multi Only	 LSN090HSV5	 LSN120HSV5	 LMN159HVT LMU Only	 LSN181HSV5	 LMN249HVT Multi Only
Console		 LQN090HV4	 LQN120HV4	 LMQN150HV Multi Only			
Ceiling Mounted	4-Way Cassette	 LMCN078HV Multi Only	 LCN098HV4	 LCN128HV4		 LCN188HV4	
Ducted	Low Static		 LMDN097HV4	 LMDN127HV4		 LMDN187HV4	
	Mid Static		 LHN098HV1	 LHN128HV1		 LHN188HV1	
	High Static					 LHN248HV	 LHN368HV
	Vertical AHU (Multi Position)					 LVN181HV4	 LVN241HV4



LMU183HV

No. of Indoor Unit	Indoor Unit (kBtu/h)	
	IDU 1	IDU 2
Two Units	7	7
	7	9
	9	9

LMU243HV

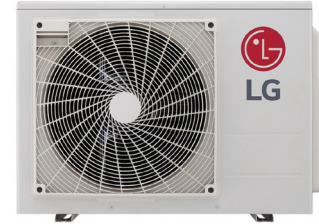
No. of Indoor Unit	Indoor Unit (kBtu/h)		
	IDU 1	IDU 2	IDU 3
Two Units	7	7	-
	7	9	-
	9	9	-
	7	12	-
	7	15	-
	9	15	-
	12	12	-
Three Units	7	7	7
	7	7	9

LMU303HV

No. of Indoor Unit	Indoor Unit (kBtu/h)			
	IDU 1	IDU 2	IDU 3	IDU 4
Two Units	7	7	-	-
	7	9	-	-
	9	9	-	-
	7	12	-	-
	7	15	-	-
	9	15	-	-
	12	12	-	-
	7	18	-	-
	9	18	-	-
	12	15	-	-
Three Units	15	15	-	-
	7	7	7	-
	7	7	9	-
	7	9	9	-
	7	7	12	-
	9	9	9	-
	7	9	12	-
Four Units	7	7	15	-
	9	9	12	-
	7	7	7	7
	7	7	7	9

1. 100% Combination Ratio with maximum number of indoor units.

ALLOWABLE COMBINATIONS continued



LMU363HV

No. of Indoor Unit	Indoor Unit (kBtu/h)				No. of Indoor Unit	Indoor Unit (kBtu/h)			
	IDU 1	IDU 2	IDU 3	IDU 4		IDU 1	IDU 2	IDU 3	IDU 4
Two Units	7	7	-	-	Three Units continued	9	9	12	-
	7	9	-	-		7	9	15	-
	9	9	-	-		7	12	12	-
	7	12	-	-		7	7	18	-
	7	15	-	-		9	9	15	-
	9	15	-	-		9	12	12	-
	12	12	-	-		7	7	18	-
	7	18	-	-		9	9	15	-
	9	18	-	-		9	12	12	-
	12	15	-	-		7	9	18	-
	12	18	-	-		7	12	15	-
	15	15	-	-		9	12	15	-
	7	24	-	-		12	12	12	-
	9	24	-	-		9	9	18	-
	15	18	-	-		7	7	7	7
	18	18	-	-		7	7	7	9
12	24	-	-	7	7	9	9		
Three Units	7	7	7	-	Four Units	7	7	7	12
	7	7	9	-		7	9	9	9
	7	9	9	-		7	7	8	12
	7	7	12	-		7	7	7	15
	9	9	9	-		9	9	9	9
	7	9	12	-					
7	7	15	-						

1. 100% Combination Ratio with maximum number of indoor units.

MULTI F OUTDOOR UNITS



LMU183HV
LMU243HV
LMU303HV
LMU363HV

OUTDOOR UNITS

Specification	Unit	LMU183HV	LMU243HV	LMU303HV	LMU363HV
Rated Cooling Capacity	Btu/h	18,000	24,000	30,000	32,800
Cooling Capacity Range	Btu/h	8,400 - 21,600	8,400 - 25,000	8,400 - 36,000	8,400 - 38,400
Rated Heating Capacity	Btu/h	22,000	24,600	32,000	36,000
Heating Capacity Range	Btu/h	10,080 - 25,000	10,080 - 29,000	10,080 - 38,400	10,080 - 41,600
Max Heating Capacity at -8.3°C ³	Btu/h	20,200	21,400	27,200	28,400
Max Heating Capacity at -15°C ^{3,6}	Btu/h	17,700	18,400	24,000	25,200
Max Heating Capacity at -20°C ³	Btu/h	14,800	15,400	20,400	20,800
SEER2 (Ducted / Non-Ducted)		18.5 / 22.5	18.5 / 22.5	18.5 / 22.0	18 / 21.5
EER2 (Ducted / Non-Ducted)		12.5 / 13.5	12.5 / 12.5	12.0 / 13.0	11.7 / 12.5
HSPF2 (V / V) Non-Ducted		9.6 / 7.8	9.4 / 7.2	9.2 / 7.1	9.0 / 7.0
HSPF2 (V / V) Ducted		9.0 / 7.5	9.0 / 7.2	8.8 / 7.0	8.6 / 6.9
Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A	15.8	16	18.4	18.4
MOC	A	20	20	25	25
Power/Communication Wiring ⁴	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps (Cool/Heat)	A	12.8 / 12.8	13.0 / 13.0	15.03 / 15.03	15.03 / 15.03
ODU Heating Operation Range	°C WB	-20 - 17.8	-20 - 17.8	-20 - 17.8	-20 - 17.8
ODU Cooling Operation Range	°C DB	-10 - 47.8	-10 - 47.8	-10 - 47.8	-10 - 47.8
Optional Wind Baffle ⁵		PAG-HS0 / PAG-HS1	PAG-HS0 / PAG-HS1	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
ODU Dimensions (WxHxD)	in	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
ODU Weight (Net/Shipping)	lbs	101 / 109.8	101.4 / 110.2	138.9 / 154.3	138.9 / 154.3
Refrigerant Type		R410a	R410a	R410a	R410a
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Base Pan Heaters ⁹		Sold Separately (PQSH1203)	Sold Separately (PQSH1203)	Sold Separately (PQSH1200)	Sold Separately (PQSH1200)
Sound Pressure (Cooling / Heating) ⁷	dB(A)	49 / 54	50 / 54	51 / 54	51 / 54
Maximum Air Volume	CFM	1,766	1,766	2,119	2,119
Minimum Connectable IDUs	Qty	2	2	2	2
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
Maximum Total Pipe Length	ft	164	230	246.1	246.1
Minimum Pipe Length per Segment	ft	9.8	9.8	9.8	9.8
Maximum Pipe Length ODU to IDU	ft	82	82	82	82
Precharge Pipe Length	ft	98.4	98.4	98.4	98.4
Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2	49.2
Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6	24.6
Factory Charge of R410A	lbs	3.97	3.97	6.17	6.17
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
Limited Registered Warranty*		10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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.
 - 100% Combination Ratio with maximum number of non-ducted indoor units⁴
 - All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
 - Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 C (-40 F) in cooling mode for applicable outdoor units. LGRED® units are not compatible with PQCAO. Without PQCAO, it will allow cooling operation down to -20 C (-4 F) with only wind baffles
 - The Capacities at -15°C does not refer to H42 testing conditions.
 - 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.
 - Base Pan Heater is recommended for extreme heating design conditions.
- Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

MULTI F OUTDOOR UNITS with LGRED°



LMU180HHV
LMU240HHV
LMU300HHV



Model	Specification	Unit	LGRED°		
			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 ³	Btu/h	23,600	28,500	31,600
	Max Heating Capacity at -15°C ^{3,6}	Btu/h	22,000	26,000	28,600
	Max Heating Capacity at -20°C ³	Btu/h	21,050	23,880	25,550
	Max Heating Capacity at -25°C	Btu/h	19,270	21,310	22,210
	SEER2 (Ducted / Non-Ducted)		17.5 / 21.0	17.0 / 21.0	17.5 / 20.0
	EER2 (Ducted / Non-Ducted)		12.0 / 13.5	11.7 / 13.5	11.7 / 12.5
Power	HSPF2 (IV / V) Non-Ducted		9.2 / 7.8	9.8 / 7.8	9.8 / 7.3
	HSPF2 (IV / V) Ducted		8.6 / 7.4	9.2 / 7.6	9.2 / 7.3
	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	MCA	A	18.6	19	19.4
	MOCP	A	30	30	30
	Power Input (Cooling / Heating)	kW	1.33 / 2.22	1.78 / 2.12	2.27 / 2.33
	Power/Communication Wiring ⁴	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps (Cool / Heat)	A	6.0 / 10.1	8.1 / 9.6	10.3 / 10.6
	ODU Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8
	ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
Operating Range	Optional Wind Baffle ⁵		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	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 32-27/32 x 13
	ODU Weight (Net/Shipping)	lbs	147.7 / 163.1	152.1 / 165.3	152.1 / 165.3
	Refrigerant Type		R410a	R410a	R410a
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Drain Pan Heater		Included	Included	Included
	Sound Pressure (Cool / Heat) ⁷	dB(A)	53 / 55	53 / 55	56 / 58
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	5	6	8
Unit Data	Maximum Branch Distribution Units	Qty	2	2	2
	Liquid Pipe	in.	3/8	3/8	3/8
	Vapor Pipe	in.	3/4	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU to BDU	ft	180.4	180.4	180.4
	Total Branch Piping (BDU to all IDUs)	ft	295.3	295.3	295.3
	Maximum Branch Pipe Length (BDU to IDU)	ft	49.2	49.2	49.2
	Maximum Length ODU to IDU	ft	229.6	229.6	229.6
	Precharge Pipe Length (Main + Branch)	ft	49.2 + 131.2	49.2 + 131.2	49.2 + 131.2
Piping ⁸	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8	32.8
	Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2
	Factory Charge of R410a	lbs	11.5	11.5	11.5
	Additional Refrigerant (Main / Branch)	oz/ft	0.54 / 0.22	0.54 / 0.22	0.54 / 0.22
	Standard Warranty	5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
	Limited Registered Warranty [*]	10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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.
- 100% Combination Ratio with maximum number of non-ducted indoor units⁴
- All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
- Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 C (-40 F) in cooling mode for applicable outdoor units. LGRED° units are not compatible with PQCAO. Without PQCAO, it will allow cooling operation down to -20 C (-4 F) with only wind baffles
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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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MULTI F MAX OUTDOOR UNITS



LMU483HV
LMU543HV
LMU601HV



Branch Distribution Box (Sold Separately)



Specification	Unit	LGRED°			
		LMU483HV	LMU543HV	LMU601HV	
Capacity ^{1,2}	Rated Cooling Capacity	Btu/h	48,000	50,500	60,000
	Cooling Capacity Range	Btu/h	10,800 ~ 58,000	10,800 ~ 63,200	10,800 ~ 65,000
	Rated Heating Capacity	Btu/h	54,000	58,000	64,000
	Heating Capacity Range	Btu/h	12,420 ~ 59,000	12,420 ~ 64,000	12,420 ~ 68,000
	Max Heating Capacity at -8.3°C ³	Btu/h	44,770	45,750	56,500
	Max Heating Capacity at -15°C ^{3,6}	Btu/h	38,120	38,600	52,500
	Max Heating Capacity at -20°C ³	Btu/h	33,210	33,550	45,200
	SEER2 (Ducted / Non-Ducted)		19.0 / 20.8	18.5 / 20.6	18.5 / 20.5
	EER2 (Ducted / Non-Ducted)		12.6 / 12.8	12.5 / 12.6	11.0 / 11.3
	HSPF2 (IV / V) Non-Ducted		9.5 / 7.3	9.3 / 7.2	10.0 / 7.6
Power	HSPF2 (IV / V) Ducted		9.3 / 7.3	9.3 / 7.2	9.5 / 7.4
	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	MCA, MOCP	A	32.7, 40	32.7, 40	32.7, 40
	Power Input (Cooling / Heating)	kW	3.75 / 4.52	4.01 / 5.07	5.31 / 5.44
	Power/Communication Wiring ⁴	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps (Cool / Heat)	A	17.0 / 20.5	18.2 / 23.0	24.0 / 24.6
	Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle ⁵		PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	Dimensions & Weight	ODU Dimensions (WxHxD)	in.	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
ODU Weight (Net/Shipping)		lbs	194 / 218	194 / 218	218 / 243
Refrigerant Type			R410a	R410a	R410a
Compressor Type			R1 Scroll	R1 Scroll	R1 Scroll
Base Pan Heater ⁹			Sold Separately (PQSH1200)	Sold Separately (PQSH1200)	Sold Separately (PQSH1200)
Sound Pressure (Cool / Heat) ⁷		dB(A)	53 / 55	53 / 55	56 / 58
Maximum Air Volume		CFM	1,942 x 2	1,942 x 2	2,119 x 2
Minimum Connectable IDUs		Qty	2	2	2
Maximum Connectable IDUs		Qty	8	8	8
Maximum Branch Distribution Units		Qty	2	2	2
Piping ⁸	Liquid Pipe	in.	3/8	3/8	3/8
	Vapor Pipe	in.	3/4	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU to BDU	ft	180.4	180.4	180.4
	Total Branch Piping (BDU to all IDUs)	ft	295.3	295.3	295.3
	Maximum Branch Pipe Length (BDU to IDU)	ft	49.2	49.2	49.2
	Maximum Length ODU to IDU	ft	229.6	229.6	229.6
	Precharge Pipe Length (Main + Branch)	ft	16.4 + 131.2	16.4 + 131.2	49.2 + 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2	
Maximum Elevation BDU to IDU	ft	32.8	32.8	32.8	
Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2	
Factory Charge of R410a	lbs	9.26	9.26	11.5	
Additional Refrigerant (Main / Branch)	oz/ft	0.54 / 0.22	0.54 / 0.22	0.54 / 0.22	
Standard Warranty	5 Years Parts, 7 Years Compressor (Parts only, labour not included)				
Limited Registered Warranty [*]	10 Years Parts, 10 Years Compressor (Parts only, labour not included)				

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.
- 100% Combination Ratio with maximum number of non-ducted indoor units⁴
- All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
- Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 C (-40 F) in cooling mode for applicable outdoor units. LGRED° units are not compatible with PQCAO. Without PQCAO, it will allow cooling operation down to -20 C (-4 F) with only wind baffles
- The Capacities at -15°C does not refer to H42 testing conditions.
- 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.
- Base Pan Heater is recommended for extreme heating design conditions.

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MULTI F MAX OUTDOOR UNITS with LGRED°



LMU361HHV
LMU421HHV
LMU480HHV



Branch
Distribution Box
(Sold Separately)

Specification	Unit	LGRED°			
		LMU361HHV	LMU421HHV	LMU480HHV	
Capacity ^{1,2}	Rated Cooling Capacity	Btu/h	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	10,800 ~ 47,000	10,800 ~ 53,000	10,800 ~ 58,000
	Rated Heating Capacity	Btu/h	45,000	48,000	52,500
	Heating Capacity Range	Btu/h	12,420 ~ 50,000	12,420 ~ 54,500	12,420 ~ 59,000
	Max Heating Capacity at -8.3°C ³	Btu/h	49,600	53,200	56,500
	Max Heating Capacity at -15°C ^{3,6}	Btu/h	45,000	48,000	52,500
	Max Heating Capacity at -20°C ³	Btu/h	40,000	42,000	48,450
	Max Heating Capacity at -25°C ³	Btu/h	35,900	37,100	39,200
	SEER (Ducted / Non-Ducted)		19 / 22	19 / 21.5	18.5 / 20.5
	EER (Ducted / Non-Ducted)		13.5 / 14.5	13.1 / 13.8	12.6 / 13.1
Power	HSPF (Ducted / Non-Ducted)		10.5 / 11.5	10.5 / 11.5	10.5 / 11
	SEER2 (Ducted / Non-Ducted)		19 / 22	19 / 21.5	18.5 / 20.5
	EER2 (Ducted / Non-Ducted)		13.5 / 14.5	13.1 / 13.8	12.6 / 13.1
	HSPF2 (IV / V) Non-Ducted		11 / 9	11 / 8.7	10.5 / 8.4
	HSPF2 (IV / V) Ducted		10 / 8.3	10 / 7.8	10 / 8.1
	Voltage	V-Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	MCA, MOCP	A	32.7, 40	32.7, 40	32.7, 40
	Power/Communication Wiring ⁴	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps (Cool/Heat)	A	11.2 / 14.9	13.8 / 16.8	16.6 / 20
	Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8
Operating Range	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle ⁵		PAG-HS4/PAG-HS5	PAG-HS4/PAG-HS5	PAG-HS4/PAG-HS5
Dimensions & Weight	ODU Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	ODU Weight (Net/Shipping)	lbs	192/216	192/216	218/243
Unit Data	Refrigerant Type		R410A	R410A	R410A
	Compressor Type		R1 Scroll	R1 Scroll	R1 Scroll
	Drain Pan Heater		Factory Installed	Factory Installed	Factory Installed
	Sound Pressure (Cooling / Heating) ⁷	dB(A)	53 / 55	53 / 55	56 / 58
	Maximum Air Volume	CFM	1,942 x 2	1,942 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	8	8	8
	Maximum Branch Distribution Units	Qty	2	2	2
	Liquid Pipe	in	3/8	3/8	3/8
	Vapor Pipe	in	3/4	3/4	3/4
Piping ⁸	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU to BDU	ft	180.4	180.4	180.4
	Total Branch Piping (BDU to all IDUs)	ft	295.3	295.3	295.3
	Maximum Branch Pipe Length (BDU to IDU)	ft	49.2	49.2	49.2
	Maximum Length ODU to IDU	ft	229.6	229.6	229.6
	Precharge Pipe Length (Main + Branch)	ft	16.4 + 131.2	16.4 + 131.2	49.2 + 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8	32.8
Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2	
Factory Charge of R410A	lbs	9.26	9.26	11.5	
Additional Refrigerant (Main / Branch)	oz/ft	0.54 / 0.22	0.54 / 0.22	0.54 / 0.22	
Standard Warranty		5 Years Parts, 7 Years Compressor (Parts only, labour not included)			
Limited Registered Warranty [*]		10 Years Parts, 10 Years Compressor (Parts only, labour not included)			

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).
3. 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).
4. For capacity information, see engineering manual capacity tables.
5. 100% Combination Ratio with maximum number of non-ducted indoor units⁴
6. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
7. Installation of an optional Low Ambient Control Kit (PQCAO) will allow operation down to -40 C (-40 F) in cooling mode for applicable outdoor units. LGRED° units are not compatible with PQCAO
8. Without PQCAO, it will allow cooling operation down to -20 C (-4 F) with only wind baffles
9. The Capacities at -15°C does not refer to H42 testing conditions.
10. 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.
11. Piping lengths are equivalent.
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MULTI F INDOOR UNITS

LG ThinQ®



LG ARTCOOL® Mirror

Specification	Unit	LAN090HSV5	LAN120HSV5	LAN181HSV5	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,900	13,600	21,600
Power	Voltage		Powered by ODU		
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25
	Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
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 ⁵	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8
Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	
Controller	Wireless Remote		Included	Included	Included
Standard Warranty		5 Years Parts (Parts only, labour not included)			
Limited Registered Warranty [*]		10 Years Parts (Parts only, labour not included)			



LG DUALCOOL®

LG ThinQ®

Specification	Unit	LMN079HVT	LSN090HSV5	LSN120HSV5	LMN159HVT	LSN181HSV5	LMN249HVT	
Capacity ^{1,2}	Cooling	Btu/h	7,000	9,000	12,000	14,300	18,000	24,000
	Heating	Btu/h	8,100	10,900	13,600	15,600	21,600	25,600
Power	Voltage		Powered by ODU					
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25	13.9 ~ 25
	Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
Fan	Type		Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty	W	30 x 1	30 x 1	30 x 1	30 x 1	60 x 1	60 x 1
	Motor/Drive		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	254 / 204 / 148	268 / 218 / 169	282 / 233 / 177	314 / 268 / 184	558 / 438 / 353	597 / 452 / 367
	Rated Amps	A	0.4	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 ⁵	Liquid Pipe	in	1/4	1/4	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	3/8	1/2	1/2
Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	
Controller	Wireless Remote		Included	Included	Included	Included	Included	Included
Standard Warranty		5 Years Parts (Parts only, labour not included)						
Limited Registered Warranty [*]		10 Years Parts (Parts only, labour not included)						

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).
3. 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).
4. For capacity information, see engineering manual capacity tables.
5. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
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MULTI F INDOOR UNITS

LG ThinQ®



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		Powered by ODU	Powered by ODU	Powered by ODU
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25	13.9 - 25	13.9 - 25
	Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2
Fan	Type		Turbo	Turbo	Turbo
	Motor Output x Qty	W	48 x 1	48 x 1	48 x 1
	Motor/Drive		BLDC / Direct	BLDC / Direct	BLDC / 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
	Liquid Pipe	in	1/4	1/4	1/4
Piping ⁵	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	Wireless Remote	Included	Included	Included
Standard Warranty			5 Years Parts (Parts only, labour not included)		
Limited Registered Warranty*			10 Years Parts (Parts only, labour not included)		

Ceiling Cassette

LG ThinQ®



Specification	Unit	LMCN078HV	LCN098HV4	LCN128HV4	LCN188HV4	
Capacity ^{1,2}	Cooling	Btu/h	7,000	9,000	12,000	18,000
	Heating	Btu/h	8,100	10,400	13,800	20,800
Power	Voltage		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25	13.9 - 25	13.9 - 25	13.9 - 25
	Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2	15 - 27.2
Fan	Type		Turbo	Turbo	Turbo	Turbo
	Motor Output x Qty	W	43 x 1	43 x 1	43 x 1	43 x 1
	Motor/Drive		BLDC	BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	265 / 212 / 177	300 / 265 / 230	335 / 283 / 247	459 / 424 / 388
Unit Data	Rated Amps	A	0.25	0.25	0.25	0.25
	Sound Pressure Level (H/M/L) ⁴	dB(A)	31 / 27 / 24	36 / 33 / 30	38 / 35 / 32	41 / 39 / 36
	Dimensions (WxHxD)	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
	Weight (Net/Shipping)	lbs	26 / 31	29 / 34	29 / 34	32 / 39
	Liquid Pipe	in	1/4	1/4	1/4	1/4
Piping ⁵	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	Wireless Remote	Included	Included	Included	Included
Grille (Sold Separately)	Model		PT-QAGW0	PT-QAGW0	PT-QAGW0	PT-QAGW0
	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 / 11	7 / 11	7 / 11	
Standard Warranty			5 Years Parts (Parts only, labour not included)			
Limited Registered Warranty*			10 Years Parts (Parts only, labour not included)			

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 14 X 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.
- Piping lengths are equivalent.

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MULTI F INDOOR UNITS

LG ThinQ®



Low Static Ducted

Specification	Unit	LMDN097HV4	LMDN127HV4	LMDN187HV4	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,400	13,800	20,800
Power	Voltage		Powered by ODU	Powered by ODU	Powered by ODU
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25	13.9 - 25	13.9 - 25
	Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor Output x Qty	W	19 x 1	5 x 1, 19 x 1	5 x 1, 19 x 1
	Motor/Drive		BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	318 / 247 / 194	353 / 300 / 247	530 / 441 / 353
Unit Data	Rated Amps	A	0.4	0.8	0.8
	Static Pressure Range	in. wg	0.0 - 0.2	0.0 - 0.2	0.0 - 0.2
	Sound Pressure Level (H/M/L) ⁴	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
	Dimensions (WxHxD)	in	27-9/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16
	Weight (Net/Shipping)	lbs	39 / 46	51 / 60	49 / 58
Piping ⁵	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller	Wireless Remote		Not Included	Not Included	Not Included
Standard Warranty			5 Years Parts (Parts only, labour not included)		
Limited Registered Warranty*			10 Years Parts (Parts only, labour not included)		

Mid Static Ducted

LG ThinQ®



Specification	Unit	LHN098HV1	LHN128HV1	LHN188HV1	LHN248HV1	
Capacity ^{1,2}	Cooling	Btu/h	9,000	12,000	18,000	23,000
	Heating	Btu/h	12,000	15,000	20,000	27,000
Power	Voltage		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25	13.9 - 25	13.9 - 25	13.9 - 25
	Heating	°C DB	15 - 27.2	15 - 27.2	15 - 27.2	15 - 27.2
Fan	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Motor Output x Qty	W	BLDC	BLDC	BLDC	BLDC
	Motor/Drive		353 / 318 / 283	494 / 424 / 353	635 / 530 / 424	706 / 547 / 459
	Airflow (H/M/L)	CFM	1.7	1.7	1.7	1.7
Unit Data	Rated Amps	A	0.24	0.24	0.24	0.24
	Static Pressure Range	in. wg	28 / 27 / 26	31 / 29 / 28	36 / 32 / 29	38 / 33 / 30
	Sound Pressure Level (H/M/L) ⁴	dB(A)	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28	35-7/16 x 9-21/32 x 28
	Dimensions (WxHxD)	in	61.5 / 71.7	61.5 / 71.7	61.5 / 71.7	64.2 / 74.3
	Weight (Net/Shipping)	lbs	1/4	1/4	1/4	1/4
Piping ⁵	Liquid Pipe	in	3/8	3/8	1/2	1/2
	Vapor Pipe	in	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32	1-1/4, 31/32
	Drain (OD/ID)	in	Not Included	Not Included	Not Included	Not Included
Controller	Wireless Remote			Not Included	Not Included	
Standard Warranty			5 Years Parts (Parts only, labour not included)			
Limited Registered Warranty*			10 Years Parts (Parts only, labour not included)			

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 14 X 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.
- Piping lengths are equivalent.

Due to our commitment to continued innovation, some specifications may be changed without notification. * Quebec customers are not required to register their products

MULTI F INDOOR UNITS

High Static Ducted

LG ThinQ®



Specification	Unit	LHN248HV	LHN368HV
Capacity ^{1,2}	Cooling	24,000	36,000
	Heating	27,000	40,000
Power	Voltage	Powered by ODU	
	Power/Communication Wiring ³	No. x AWG	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25
	Heating	°C DB	15 - 27.2
Fan	Type	Sirocco	
	Motor Output x Qty	W	136.5 x 1
	Motor/Drive	BLDC	
	Airflow (H/M/L)	CFM	777 / 706 / 636
	Rated Amps	A	1.6
Unit Data	Static Pressure Range	in. wg	0.1 - 0.59
	Sound Pressure Level (H/M/L) ⁴	dB(A)	37 / 35 / 34
	Dimensions (WxHxD)	in	35-7/16 x 10-5/8 x 27-9/16
	Weight (Net/Shipping)	lbs	59 / 72
Piping ⁵	Liquid Pipe	in	1/4
	Vapor Pipe	in	1/2
	Drain (OD/ID)	in	1-1/4, 1
Controller	Wireless Remote	Not Included	Not Included
Standard Warranty		5 Years Parts (Parts only, labour not included)	
Limited Registered Warranty*		10 Years Parts (Parts only, labour not included)	

Vertical AHU

LG ThinQ®



Specification	Unit	LVN181HV4	LVN241HV4	LVN361HV4
Capacity ^{1,2}	Cooling	Btu/h	18,000	24,000
	Heating	Btu/h	20,000	27,000
Power	Voltage	Powered by ODU		
	Power/Communication Wiring ³	No. x AWG	4 X 14	4 X 14
Operating Range	Cooling	°C WB	13.9 - 25	13.9 - 25
	Heating	°C DB	15 - 27.2	15 - 27.2
Fan	Type	Sirocco		
	Motor Output x Qty	W	250 x 1	250 x 1
	Motor/Drive	Constant CFM ECM		
	Static Pressure Range	in.wg	0.1 - 0.7	0.1 - 0.7
	Airflow (H/M/L)	CFM	640 / 580 / 480	710 / 640 / 480
Unit Data	Rated Amps	A	1.1	1.1
	Static Pressure Range	in. wg	0.1 - 0.7	0.1 - 0.7
	Filter Rack Size	in	16 x 20 x 1	16 x 20 x 1
	Sound Pressure Level (H/M/L) ⁴	dB(A)	35 / 33 / 30	36 / 34 / 30
Piping ⁵	Dimensions (WxHxD)	in	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
	Liquid Pipe	in	1/4	1/4
Piping ⁵	Vapor Pipe	in	1/2	1/2
	Drain (OD, ID)	in	Primary & Secondary 3/4 FPT	Primary & Secondary 3/4 FPT
Controller	Wireless Remote	Not Included	Not Included	Not Included
Standard Warranty		5 Years Parts (Parts only, labour not included)		
Limited Registered Warranty*		10 Years Parts (Parts only, labour not included)		

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 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

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

5. Piping lengths are equivalent.

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MULTI F MAX PIPING ACCESSORIES

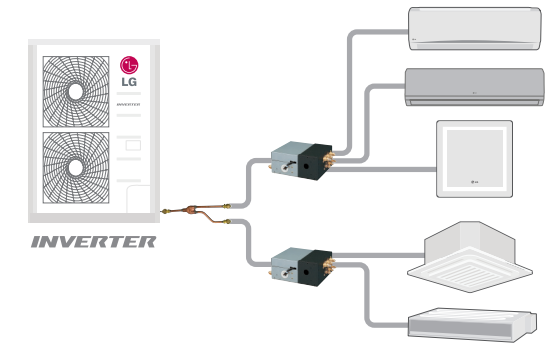
Accessory Lineup

For	2 IDUs	3 IDUs	4 IDUs	4 IDUs
Branch Distribution Unit	PMBD3620	PMBD3630	PMBD3640	PMBD3641* to be used with the LHN368HV and LVN361HV4
Y-Branch	PMBL5620			

*Required to connect 36K unit

Branch Distribution Unit Features

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



Specifications

Specification	Unit	PMBD3620	PMBD3630	PMBD3640	PMBD3641	
Max Nominal Port Capacity	Each Port	Btu/h	24,000	24,000	24,000	
	Sum of Ports	Btu/h	48,000	72,000	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	Powered by ODU				
Power	Power / Communication Wiring ²	No. x AWG	4 x 14	4 x 14	4 x 14	
	Rated Amps	A	0.08	0.12	0.16	
Dimensions	WxHxD	in	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	
	Net	lbs	13	15	16	
Weight	Shipping	lbs	15	17	18	
	Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8
Pipe Connection Size (Out to IDU)	Vapor	in	3/4	3/4	3/4	
	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)	Port A-C: 1/4 Port D: 1/4
Max Pipe Length	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)	Port A-C: 3/8 Port D: 1/2
	BD Box to IDU	ft	49.2	49.2	49.2	
Max Pipe Elevation	BD Box to IDU	ft	32.8	32.8	32.8	
	BD Box to BD Box	ft	49.2	49.2	49.2	

Note:

1. Branch Distribution Unit should be installed indoors.

2. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

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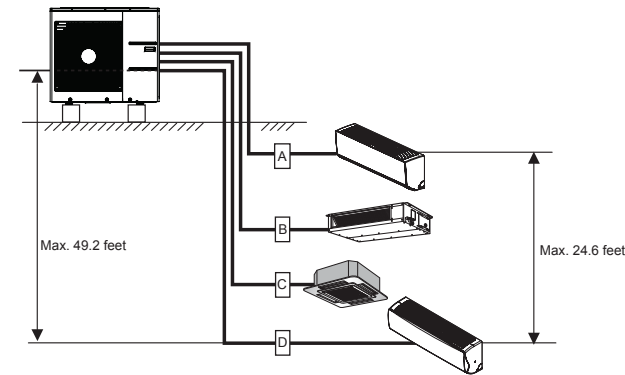
MULTI F PIPING SUMMARY

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

Multi F System

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

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

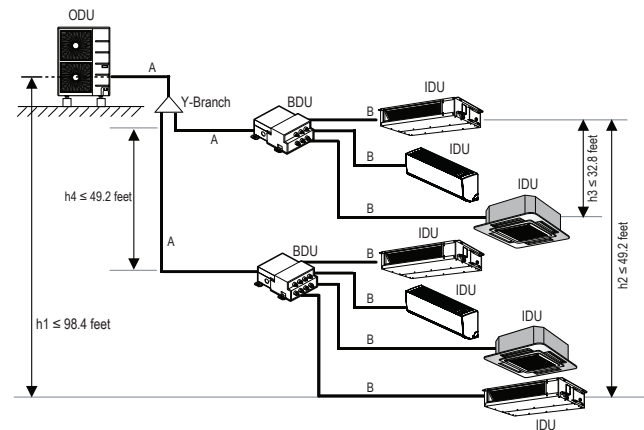


Multi F MAX System

Example: LMU543HV outdoor unit with eight (8) 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
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))

Multi F Indoor Unit Capacity Correction Factor

To calculate the connected total indoor unit nominal capacity, simply sum up the nominal capacities of all indoor units.

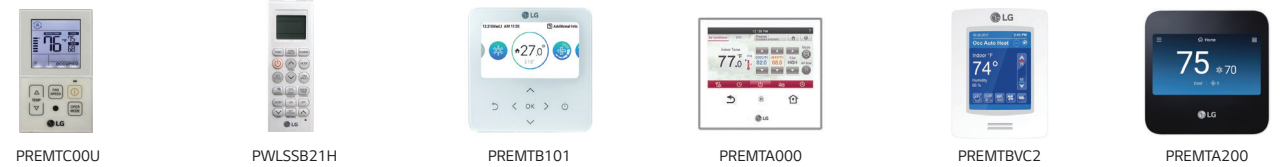
• For 24,000 and 36,000 Btu/h high static duct and vertical-horizontal air handling indoor units, a 1.3 multiplier must first be applied before adding to the sum of other smaller indoor units.

• When two 24,000 Btu/h or one 24,000 Btu/h and one 36,000 Btu/h high static duct and / or vertical-horizontal air handling indoor units are the only connected indoor units, the multiplier is 1.2.

IDU Capacity	IDU Type	Applicable Scenario	Capacity Multiplier
24,000 & 36,000	High Static Ducted	1 unit in the system	1.3
	Vertical AHU	2 or more units in the system	1.2

CONTROLS

Individual Control



Model	Description
PREMTC00U	Simple Wired Remote Controller
PREMTB101	RS3 Wired Programmable Remote Controller
PREMTBVC2	CRC2 Basic Remote Controller
PREMTBVC3	CRC3 Plus Remote Controller (Occupancy Sensor)
PREMTBVC4	CRC4 Premium Remote Controller (Built in Zigbee Card)
PREMTA000	Premium Wired Remote Controller
PREMTA200	Deluxe Wired Remote Controller
PWLSSB21H	Wireless Remote Controller

LG MultiSITE™ Remote Controller Accessories



Model	Description
ZVRCZDWS1	Zigbee Pro Wireless Card
ZVRCZWOC1	WiFi Card
ZVRCZDWC1	Door & Window Switch
ZVRCZWOC1	Occupancy Sensor, Wall Mounted
ZVRCZMTH1	Motion, Temp, RH Sensor (Ceiling Mounted)
SEDC02G5045	Wireless Temp, RH, CO2 Sensor
ZVRCZTRH1	Wireless Temp, RH Sensor
ZVRCZWLS1	Water Leak Sensor

Integration Devices



Model	Description
PDRYCB100	Simple Dry Contact
PDRYCB320	Dry Contact for 3rd Party Thermostat
PDRYCB400	Dry Contact for Economizer / Setback
PACP5A000	ACP 5 Central Controller
PACS5A000	AC Smart 5 Central Controller
PZCWRG3	Group Control Cable Kit
PZCWRC1	32.8' Wired Remote Extension Cable
ZRTBS01	Button Sensor
PMNFP14A1	PI-485 for ODU

ACCESSORIES

Indoor Accessories



Type	Model	Description	Used with
Wifi Module	PWFMDD200	Module that allows wifi connection to LG ThinQ® App	See Controls Compatibility Table
Aux Heater Relay Kit	PRARH1 PRARS1	Aux Heater Relay kit for CST, Consoles and Ducted IDUs	See Controls Compatibility Table
"Dual Vane Cassette Grille & Accessories"	PT-AAGW0	4-Way Ceiling Cassette Dual Vane Grille (3' x 3')	LCN**9HV
	PT-AFGW0S	Dual Vane Premium Panel (PT-AFGW0 + PT-AHMP) Air Purification	LCN**9HV
	PT-AFGW0S	Dual Vane Premium Panel (only)	LCN**9HV
	PTAHMPO	Air Purification Kit	LCN**9HV
	PTFSMA0	Floor Temperature Sensor	LCN**9HV
Cassette Grille	PTVSA00	Human Detection Sensor	LCN**9HV
	PT-QAGW0	2' x 2' Cassette Grille	LCN**8HV4
Cassette Ventilation	PTVK410	Ventilation Air Intake Spacer (With PTVK420)	LCN**9HV
	PTVK420	Ventilation Flange (with PTVK410)	LCN**9HV
	PTVK430	3" Dia Ventilation Air Connection	All 4-Way Cassette
VAHU E-Heaters	ANEH053B1	5kW E-Heater for VAHU	LVN**HV4, LVN**HV
	ANEH103B2	10kW E-Heater for VAHU	LVN**HV4, LVN**HV
	ANEH153B2	15kW E-Heater for VAHU	LVN**HV
	ANEH203B2	20kW E-Heater for VAHU	LVN**HV
VAHU Vertical Down Flow Kit	PNDFJ0	NJ Chassis Vertical Downflow conversion kit	LVN**1HV4
	PNDFK0	NK Chassis Vertical Downflow conversion kit	LVN**HV
Mid-Static Ducted	ABDAMA0	Vertical Installation Conversion Kit	LHN**HV1

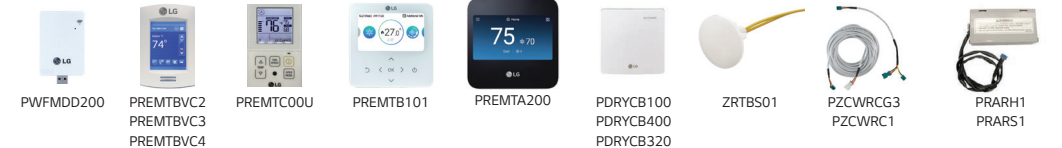
Outdoor Accessories



Category	Model	Description	Used with
Low Ambient Control Kit / Wind Baffles	PQCA0	Low Ambient Control Kit	All Non-LGRED® Single and Multi Split Units
	PAG-HS0 / PAG-HS1	Front / Side / Rear Wind Baffles	LAU090HYV3 / LAU120HYV3 / LMU183HV / LMU243HV
	PAG-HS0 / PAG-HS3	Front / Side / Rear Wind Baffles	LSU090HSV5 / LSU120HSV5 / LUU090HV / LUU120HV
	PAG-HS2 / PAG-HS8	Front / Side / Rear Wind Baffles	LSU181HSV5
	PAG-HS4 / PAG-HS5	Front / Side / Rear Wind Baffles	LUU360HV / LUU420HV / LUU480HV / LUU360HHV / LUU420HHV / LUU480HHV / LMU483HV / LMU543HV / LMU601HV / LMU361HHV / LMU421HHV / LMU480HHV
	PAG-HS6 / PAG-HS7	Front / Side / Rear Wind Baffles	LAU150HYV3 / LAU180HYV3 / LAU240HYV3 / LSU243HLV3 / LSU303HLV3 / LSU363HLV3 / LUU180HV / LUU240HV / LMU303HV / LMU363HV / LUU180HHV / LUU240HHV / LMU180HHV / LMU240HHV / LMU300HHV
Drain Pan Heater	PQSH1200	Drain Pan Heater	LMU303HV / LMU363HV / LMU483HV / LMU543HV / LMU601HV / LUU180HV / LUU240HV / LUU360HV / LUU420HV / LUU480HV
	PQSH1202	Drain Pan Heater	LUU090HV / LUU120HV
	PQSH1203	Drain Pan Heater	LMU183HV / LMU243HV

CONTROLS AND ACCESSORIES COMPATIBILITY

Indoor Accessories



Single Zone	Model	Wi-Fi Module ³	CRC Wired Remote Controller	Simple Remote Controller	RS3 Programmable Remote Controllers	Premium Remote Controller	Deluxe Remote Controller	Dry Contacts	Remote Temp / Button Sensor	Group Control	Cable Extension Kit	Aux Heater Relay Kit
		PWFMDD200	PREMTBVC2 PREMTBVC3 PREMTBVC4	PREMTC00U	PREMTB101	PREMTA000	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH1 PRARS1
DUALCOOL® Prestige	LAN**HYV3	Built-in	0	0	0	0	0	0	X	X	0	0
Artcool™ Mirror	LAN**HSV5	Built-in	0	0	0	0	0	0	X	X	0	0
DUALCOOL®	LSN**HSV5	Built-in	0	0	0	0	0	0	X	X	0	0
DUALCOOL® Extended Pipe	LSN**HLV3	Built-in	0	0	0	0	0	0	X	X	0	0
Console	LQN**HV4	0	0	0	0	0	0	0	0	0	0	0
Cassette	LCN**HV4	0	0	0	0	0	0	0	0	0	0	0
	LCN**9HV	0	0	0	0	0	0	0	0	0	0	0
Mid Static Ducted	LHN**8HV1	0	0	0	0	0	0	0	0	0	0	0
High Static Ducted	LHN**8HV	0	0	0	0	0	0	0	0	0	0	0
VAHU	LVN**1HV4	0	0	0	0	0	0	0	0	0	0	0
	LVN**0HV	0	0	0	0	0	0	0	0	0	0	0
Multi-Zone	Model	Wi-Fi Module ³	CRC Wired Remote Controller	Simple Remote Controller	RS3 Programmable Remote Controller	Premium Remote Controller	Deluxe Remote Controller	Dry Contacts	Remote Temp / Button Sensor	Group Control	Cable Extension Kit	Aux Heater Relay Kit
		PWFMDD200	PREMTBVC2 PREMTBVC3 PREMTBVC4	PREMTC00U	PREMTB101	PREMTA000	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH1 PRARS1
Artcool™ Mirror	LAN**HSV5	Built-in	0	0	0	0	0	0	X	0	0	0
DUALCOOL®	LMN**9HVT	Built-in	0	0	0	0	0	0	X	0	0	0
	LSN**HSV5	Built-in	0	0	0	0	0	0	X	0	0	0
Console	LQN**HV4	0	0	0	0	0	0	0	0	0	0	0
	LMQN**0HV	0	0	0	0	0	0	0	0	0	0	0
Cassette	LMCN**8HV	0	0	0	0	0	0	0	0	0	0	0
	LCN**8HV4	0	0	0	0	0	0	0	0	0	0	0
Low Static Ducted	LMDN**7HV4	0	0	0	0	0	0	0	0	0	0	0
Mid Static Ducted	LHN**8HV1	0	0	0	0	0	0	0	0	0	0	0
High Static Ducted	LHN**8HV	0	0	0	0	0	0	0	0	0	0	0
VAHU	LVN**1HV4	0	0	0	0	0	0	0	0	0	0	0
	LVN360HV4	0	0	0	0	0	0	0	0	0	0	0

Note:
 "0" in a cell indicates available; "X" indicates not available; "-" indicates not applicable.
 Some IDUs have 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.



Outdoor Accessories & Service Accessories



Single Zone		PI485 for ODU PACSSA000	AC Smart 5 PACSSA000	ACPS PACPSA000	Mobile LGMV PLGMVW100	LGMV Service Tool PRCTILO	Low Ambient Control Kit PQCA0
DUALCOOL® Prestige Artcool™ Mirror / DUALCOOL® Extended Pipe	LAU***HYV3	0	0	0	0	0	X
Universal ODU	LSU***HSV5	0	0	0	0	0	0
Single Split LGRED°	LSU***HLV3	0	0	0	0	0	0
Single Split LGRED°	LUU**0HV	0	0	0	0	0	0
Single Split LGRED°	LUU**0HV	0	0	0	0	0	0
Single Split LGRED°	LUU**0HV	0	0	0	0	0	X
Multi-Zone		PI485 for ODU PMNFP14A1	AC Smart 5 PACSSA000	ACPS PACPSA000	Mobile LGMV PLGMVW100	LGMV Service Tool PRCTILO	Low Ambient Control Kit PQCA0
Multi F	LMU**3HV	0	0	0	0	0	0
Multi F Max	LMU**3HV	0	0	0	0	0	0
Multi F Max	LMU**1HV	0	0	0	0	0	0
Multi F LGRED°	LMU**0HHV	0	0	0	0	0	X
Multi F Max LGRED°	LMU**1HHV	0	0	0	0	0	X

Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER2	SEER2	HSPF2 IV	HSPF2 V	ENERGY STAR®	Cold Climate ENERGY STAR®
204825177	LAU090HYV3	LAN090HYV3	15.80	27.00	13.50	11.70	★	★
204825178	LAU120HYV3	LAN120HYV3	13.80	25.50	11.20	8.30	★	★
204825179	LAU150HYV3	LAN150HYV3	15.00	25.00	11.00	8.20	★	★
204825180	LAU180HYV3	LAN180HYV3	14.40	24.00	10.80	8.00	★	★
204825181	LAU240HYV3	LAN240HYV3	13.00	23.00	10.00	7.80	★	★
10567393	LSU090HSV5	LAN090HSV5	14.50	23.20	10.20	7.60	★	★
10570122	LSU120HSV5	LAN120HSV5	12.50	22.00	10.00	7.50	★	★
207462345	LSU181HSV5	LAN181HSV5	12.55	22.00	9.50	7.80	★	★
10567394	LSU090HSV5	LSN090HSV5	14.50	23.20	10.20	7.60	★	★
10570123	LSU120HSV5	LSN120HSV5	12.50	22.00	10.00	7.50	★	★
207348503	LSU181HSV5	LSN181HSV5	12.55	22.00	9.50	7.80	★	★
204825182	LSU243HLV3	LSN243HLV3	13.00	22.00	9.50	7.60	★	
204825183	LSU303HLV3	LSN303HLV3	11.30	20.50	7.90	6.30		
204825184	LSU363HLV3	LSN363HLV3	10.00	19.00	7.90	6.00		
211234501	LUU090HV	LQN090HV4	12.60	21.00	10.20	8.70	★	★
211234503	LUU120HV	LQN120HV4	12.60	20.80	10.20	8.80	★	★
211234500	LUU090HV	LCN098HV4	13.65	20.20	10.55	8.70	★	★
211234502	LUU120HV	LCN128HV4	12.60	19.40	10.35	8.20	★	★
211234504	LUU180HV	LCN188HV4	12.50	20.50	9.70	7.75	★	★
205788763	LUU180HHV	LCN188HV4	12.80	20.00	9.40	7.45	★	★
211234513	LUU240HV	LCN249HV	11.70	20.00	10.20	8.40	★	★
211234508	LUU360HV	LCN369HV	12.50	21.00	10.00	8.30	★	★
211234514	LUU420HV	LCN429HV	10.45	19.30	10.05	7.75		★
205788764	LUU240HHV	LCN249HV	12.60	21.00	10.20	8.25	★	★
205788768	LUU360HHV	LCN369HV	12.60	21.50	10.55	8.35	★	★
205788765	LUU420HHV	LCN429HV	12.80	19.50	10.75	8.30	★	★
205788771	LUU480HHV	LCN489HV	12.50	17.50	10.65	8.15	★	★
211234506	LUU240HV	LHN248HV	11.70	16.85	9.00	7.30	★	★
211234509	LUU360HV	LHN368HV	11.85	18.85	9.20	7.30	★	★
212578846	LUU090HV	LHN098HV1	11.80	16.00	10.40	8.70	★	★
212578845	LUU120HV	LHN128HV1	11.70	16.00	10.50	8.90	★	★
212578844	LUU180HV	LHN188HV1	12.60	17.80	9.90	8.40	★	★
212578843	LUU240HV	LHN248HV1	11.80	18.50	10.40	9.00	★	★
205788767	LUU240HHV	LHN248HV	12.00	16.75	9.40	8.00	★	★
205788769	LUU360HHV	LHN368HV	12.00	18.30	9.20	7.30	★	★
205788770	LUU420HHV	LHN428HV	12.05	18.70	9.15	7.45	★	★
205788772	LUU480HHV	LH488HV	11.70	17.70	9.40	7.50	★	★
211234505	LUU180HV	LWN181HV4	12.30	17.25	9.25	7.75	★	★
211234507	LUU240HV	LWN241HV4	11.45	17.60	9.70	7.90	★	★
211234510	LUU360HV	LWN361HV4	11.00	16.25	8.95	7.05		★
211234515	LUU420HV	LWN420HV	10.75	17.20	9.35	7.55		★
211234516	LUU480HV	LWN480HV	9.70	16.50	9.30	7.35		★
205788774	LUU180HHV	LWN181HV4	13.35	17.05	8.90	7.20	★	★
205788775	LUU240HHV	LWN241HV4	11.90	16.45	9.25	7.60	★	★
205788773	LUU360HHV	LWN361HV4	11.95	16.40	9.30	7.50	★	★
205788776	LUU420HHV	LWN420HV	12.00	17.30	9.45	7.75	★	★
205788777	LUU480HHV	LWN480HV	11.95	17.75	9.40	7.60	★	★

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

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER2	SEER2	HSPF2 IV	HSPF2 V	ENERGY STAR®	Cold Climate ENERGY STAR®
208131884	LMU183HV	Non-Ducted	13.50	22.50	9.60	7.80	★	
208132537	LMU183HV	Mixed	13.00	20.50	9.30	7.65	★	
208131885	LMU183HV	Ducted	12.50	18.50	9.00	7.50	★	
208131886	LMU243HV	Non-Ducted	12.50	22.50	9.40	7.20	★	
208132538	LMU243HV	Mixed	12.50	20.50	9.20	7.20	★	
208131887	LMU243HV	Ducted	12.50	18.50	9.00	7.20	★	
208131888	LMU303HV	Non-Ducted	13.00	22.00	9.20	7.10	★	
208132538	LMU303HV	Mixed	12.50	20.25	9.00	7.05	★	
208131889	LMU303HV	Ducted	12.00	18.50	8.80	7.00	★	
208131890	LMU363HV	Non-Ducted	12.50	21.50	9.00	7.00	★	
208132540	LMU363HV	Mixed	12.10	19.75	8.80	6.95	★	
208131891	LMU363HV	Ducted	11.70	18.00	8.60	6.90	★	
210529233	LMU483HV	Non-Ducted	12.80	20.80	9.50	7.30	★	
210568062	LMU483HV	Mixed	12.70	19.90	9.50	7.30	★	
210529234	LMU483HV	Ducted	12.60	19.00	9.50	7.30	★	
21059235	LMU543HV	Non-Ducted	12.60	20.60	9.30	7.20	★	
210568063	LMU543HV	Mixed	12.55	19.55	9.30	7.20	★	
210529236	LMU543HV	Ducted	12.50	18.50	9.30	7.20	★	
206717015	LMU601HV	Non-Ducted	11.30	20.50	10.00	7.60		★
206717016	LMU601HV	Mixed	11.15	19.50	9.75	7.50		★
206717003	LMU601HV	Ducted	11.00	18.50	9.50	7.40		★
10445372	LMU180HHV	Non-Ducted	13.50	21.00	9.20	7.80	★	★
10516996	LMU180HHV	Mixed	12.75	19.25	8.90	7.60	★	★
10445373	LMU180HHV	Ducted	12.00	17.50	8.60	7.40	★	★
10445374	LMU240HHV	Non-Ducted	13.50	21.00	9.80	7.80	★	★
10516997	LMU240HHV	Mixed	12.90	19.00	9.50	7.70	★	★
10445375	LMU240HHV	Ducted	11.70	17.00	9.20	7.60	★	★
10445376	LMU300HHV	Non-Ducted	12.50	20.00	9.80	7.30	★	★
10525928	LMU300HHV	Mixed	12.10	18.75	9.50	7.30	★	★
10445377	LMU300HHV	Ducted	11.70	17.50	9.20	7.30	★	★
206717007	LMU361HHV	Non-Ducted	14.50	22.00	11.00	9.00	★	★
206717012	LMU361HHV	Mixed	14.00	20.50	10.50	8.65	★	★
206717006	LMU361HHV	Ducted	13.50	19.00	10.00	8.30	★	★
206717001	LMU421HHV	Non-Ducted	13.80	21.50	11.00	8.70	★	★
206717013	LMU421HHV	Mixed	13.45	20.25	10.50	8.25	★	★
206717008	LMU421HHV	Ducted	13.10	19.00	10.00	7.80	★	★
206717002	LMU480HHV	Non-Ducted	13.10	20.50	10.50	8.40	★	★
206717014	LMU480HHV	Mixed	12.85	19.50	10.25	8.25	★	★
206717009	LMU480HHV	Ducted	12.60	18.50	10.00	8.10	★	★

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. Natural Resources Canada (NRCAN) administers and promotes use of the ENERGY STAR name and symbol in Canada under an agreement with the U.S. Environmental Protection Agency (EPA).

ENERGY STAR® heat pumps that are optimized for peak heating and part-load cooling performance may use the Cold Climate certification mark if certified to meet the cold climate criteria.

ENERGY STAR® name and symbol are trademarks registered in Canada by the United States Environmental Protection Agency and are administered and promoted by Natural Resources Canada.

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	<table border="0"> <tr> <td>A ARTCOOL™ Wall Mounted</td> <td>H Ceiling-Concealed Duct (High Static)</td> </tr> <tr> <td>C Four-Way Ceiling Cassette</td> <td>S Standard Wall Mounted</td> </tr> <tr> <td>D Ceiling-Concealed Duct (Low Static)</td> <td>U Cassette/Duct ODU</td> </tr> <tr> <td>Q Console</td> <td>V Vertical Air Handling Unit</td> </tr> </table>	A ARTCOOL™ Wall Mounted	H Ceiling-Concealed Duct (High Static)	C Four-Way Ceiling Cassette	S Standard Wall Mounted	D Ceiling-Concealed Duct (Low Static)	U Cassette/Duct ODU	Q Console	V Vertical Air Handling Unit		
A ARTCOOL™ Wall Mounted	H Ceiling-Concealed Duct (High Static)										
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Component	<table border="0"> <tr> <td>N Indoor Unit</td> <td>U Outdoor Unit</td> </tr> </table>	N Indoor Unit	U Outdoor Unit								
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Nominal Capacity	<table border="0"> <tr> <td>09 9,000</td> <td>24 24,000</td> </tr> <tr> <td>12 12,000</td> <td>30 30,000</td> </tr> <tr> <td>15 15,000</td> <td>36 36,000</td> </tr> <tr> <td>18 18,000</td> <td>42 42,000</td> </tr> <tr> <td></td> <td>48 48,000</td> </tr> </table>	09 9,000	24 24,000	12 12,000	30 30,000	15 15,000	36 36,000	18 18,000	42 42,000		48 48,000
09 9,000	24 24,000										
12 12,000	30 30,000										
15 15,000	36 36,000										
18 18,000	42 42,000										
	48 48,000										
Generation	0-8										
Cycle	H Heat Pump										
Product Type	<table border="0"> <tr> <td>HV LGRED°</td> <td>V Standard Inverter</td> </tr> <tr> <td>LV Extended Pipe Inverter</td> <td>YV DUALCOOL® Prestige Inverter</td> </tr> <tr> <td>SV ARTCOOL™ Mirror Inverter & High-Efficiency Inverter</td> <td></td> </tr> </table>	HV LGRED°	V Standard Inverter	LV Extended Pipe Inverter	YV DUALCOOL® Prestige Inverter	SV ARTCOOL™ Mirror Inverter & High-Efficiency Inverter					
HV LGRED°	V Standard Inverter										
LV Extended Pipe Inverter	YV DUALCOOL® Prestige Inverter										
SV ARTCOOL™ Mirror Inverter & High-Efficiency Inverter											
Features	1-2-3-4-5 Model-Specific Features/Improvements										

MULTI-ZONE SYSTEMS – INDOOR/OUTDOOR¹

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

Brand	L LG												
Family	M Multi-Zone												
Product	<table border="0"> <tr> <td>AN ARTCOOL™ Wall Mounted Indoor Unit</td> <td>N Standard Wall Mounted Indoor Unit</td> </tr> <tr> <td>CN Four-Way Ceiling-Cassette Indoor Unit</td> <td>VN Vertical-Horizontal Air Handling Indoor Unit</td> </tr> <tr> <td>DN Ceiling-Concealed Duct (Low Static) Indoor Unit</td> <td>U Outdoor Unit</td> </tr> <tr> <td>HN Ceiling-Concealed Duct (High Static) Indoor Unit</td> <td>QN Console</td> </tr> </table>	AN ARTCOOL™ Wall Mounted Indoor Unit	N Standard Wall Mounted Indoor Unit	CN Four-Way Ceiling-Cassette Indoor Unit	VN Vertical-Horizontal Air Handling Indoor Unit	DN Ceiling-Concealed Duct (Low Static) Indoor Unit	U Outdoor Unit	HN Ceiling-Concealed Duct (High Static) Indoor Unit	QN Console				
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07 7,000	30 30,000												
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12 12,000	42 42,000												
15 15,000	48 48,000												
18 18,000	54 54,000												
24 24,000	60 60,000												
Generation	0-5-6-7-8-9-C												
Cycle/Type	<table border="0"> <tr> <td>HV Inverter Heat Pump</td> <td>HHV High Heat (LGRED°) Inverter Heat Pump</td> </tr> </table>	HV Inverter Heat Pump	HHV High Heat (LGRED°) Inverter Heat Pump										
HV Inverter Heat Pump	HHV High Heat (LGRED°) Inverter Heat Pump												
Style	<table border="0"> <tr> <td>P ARTCOOL™ Gallery IDU</td> <td>T High Wall IDU</td> </tr> </table>	P ARTCOOL™ Gallery IDU	T High Wall IDU										
P ARTCOOL™ Gallery IDU	T High Wall IDU												

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



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