LG
Life's Good

RESIDENTIAL AND LIGHT COMMERCIAL SYSTEMS

LG Air Conditioning Technologies 2023

ABOUT LG

About LG Electronics Canada Inc.

LG Electronics Canada Inc. is the Canadian subsidiary of LG Electronics Inc., a USD $63 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.

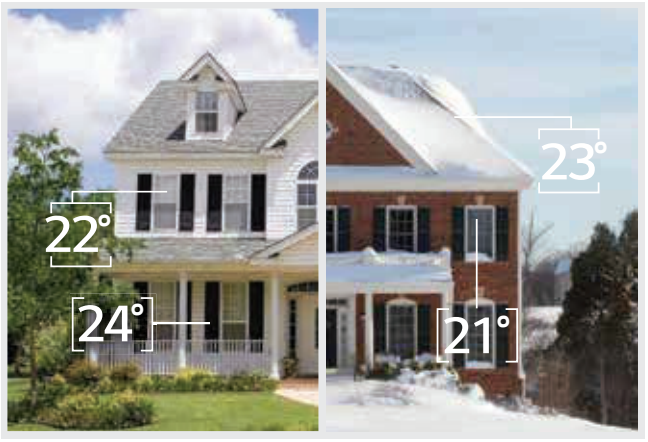
LG Electronics Canada Air Solutions

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

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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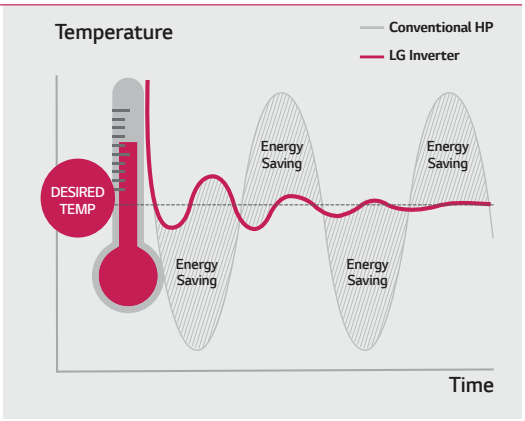
LG ADVANTAGES

INVERTER TECHNOLOGY

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



LGRED° HEAT TECHNOLOGY

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

LGRED°

Powerful Heat Technology

RELIABLE TO EXTREME DEGREES

LG ThinQ®

Whenever, wherever and no matter how many heat pump systems you have, LG ThinQ®[1] 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.

10-YEAR WARRANTY

Use LG Heat Pump systems with peace of mind.

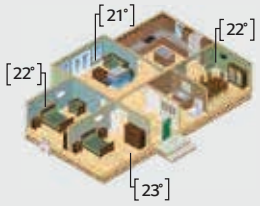
To enjoy the benefit of 10-year[2] parts and compressor warranty, please register your product at https://www.lg.ca

[2] See page 9 or visit LG.ca for details.

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.

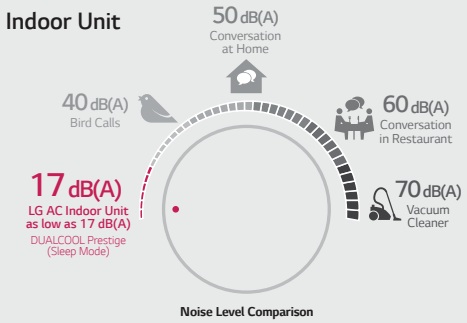


GOLD FIN COATING

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.



Noise Level Comparison

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.

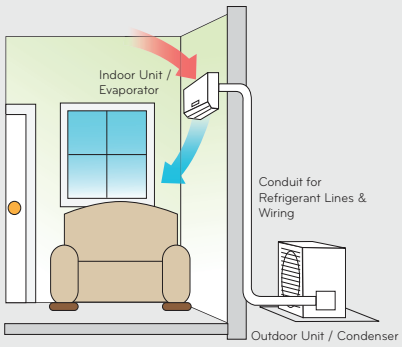


Diagram of a Single Zone System

AIR QUALITY

Select models of LG duct-free indoor units utilize 3M Micro Protection Filters[3] 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.

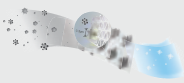
3. 3M Micro Protection Filter is available in select models. See product details for full compatibility.

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 Powered by 3M Tech

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



Air Filter

This primary filter captures dust size over 10μm.

TRAINING & RECOGNITION

Training

The LG Canada Air Solutions division is headquartered in North York, 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 performanace of a LG comfort system. Increased energy efficiency, customizable design aesthetics and room by room comfort control are just a few of the benefits that come from a properly installed system.

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

Unit Placement (Indoor & Outdoor)

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

Additionally for indoor units:

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

Wiring

- Use wire that fulfills or exceeds the minimum wire requirements:
- Multi F MAX to BD unit: 16-4
- All other wiring: Follow local guidelines
- L1 and L2 are polarity sensitive on all models
- Indoor units are 208/230 volts
- Never use wire nuts or splices in wiring
- Use non-insulated spade connectors on all terminal connections
- Use a JIS screwdriver on terminal block to avoid stripping out the screws
- Only a dedicated electrical circuit is allowed
- Always ground indoor and outdoor unit
- Only connect one (1) end of the shielded cable if using shielded wire

***NOTE* All wiring must comply with applicable local and national codes.**

Piping

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

Charging

- Leak test with dry nitrogen to at least 450 p.s.i.
- Never use anything but soap bubbles designed for HVAC leak testing
- Use only an approved evacuation hose for proper evacuation and leak testing
- If possible, remove cores from system prior to starting evacuation
- Start with fresh vacuum pump oil and evacuate to less than 500 microns
- If refrigerant is added, use an electronic scale and weigh in the precise amount
- Open service valves prior to energizing the unit

Installation and Service Tools:

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

WARRANTY PAGE

WARRANTY CARD
LG RESIDENTIAL / LIGHT COMMERCIAL SYSTEMS

Outdoor Units = ODUs, 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

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, LMU541HV, 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: LDN***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.LGDFS.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 Spilt 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 Spilts) - 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	LGRED° LA090HYV3	LGRED° LA120HYV3	LGRED° LA150HYV3	LGRED° LA180HYV3	LGRED° LA240HYV3				
	ARTCOOL® Mirror	LA090HSV5	LA120HSV5		LA180HSV5					
	DUALCOOL®	LS090HSV5	LS120HSV5		LS180HSV5	LS243HLV3 Extended Piping	LS303HLV3 Extended Piping	LS363HLV3 Extended Piping		
Ceiling Mounted	4-Way Cassette	LC098HV4	LC128HV4		LGRED° LC188HHV4 LC188HV4	LGRED° LC249HHV		LGRED° LC369HHV	LGRED° LC429HHV	LGRED° LC489HHV
Console	Console	LQ090HV4	LQ120HV4							
	High Static					LGRED° LH248HHV4 LH248HV4		LGRED° LH368HHV4 LH368HV4	LGRED° LH428HHV	LGRED° LH488HHV
	Vertical AHU (Multi Position)				LGRED° LV181HHV4 LV181HV4	LGRED° LV241HHV4 LV241HV4		LGRED° LV361HHV4 LV361HV4	LGRED° LV420HHV LV420HV	LGRED° LV480HHV LV480HV

LG DUALCOOL® PRESTIGE

-30°C LGRED Low Temperature Heating Operation

LA090HYV3
LA120HYV3
LA150HYV3
LA180HYV3
LA240HYV3

LG ThinQ®
LGRED°

Specification		Unit	LGRED° LA090HYV3	LGRED° LA120HYV3	LGRED° LA150HYV3	LGRED° LA180HYV3	LGRED° LA240HYV3
	Indoor Unit		LAN090HYV3	LAN120HYV3	LAN150HYV3	LAN180HYV3	LAN240HYV3
	Outdoor Unit		LAU090HYV3	LAU120HYV3	LAU150HYV3	LAU180HYV3	LAU240HYV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	15,000	18,000	22,000
	Cooling Capacity Range	Btu/h	1,023 ~ 13,000	1,023 ~ 13,785	3,070 ~ 21,000	3,070 ~ 29,515	3,070 ~ 30,000
	Rated Heating Capacity	Btu/h	11,000	13,600	18,000	21,600	26,000
	Heating Capacity Range	Btu/h	1,023 ~ 20,472	1,023 ~ 22,178	3,070 ~ 25,200	3,070 ~ 32,000	3,070 ~ 36,200
	Max Heating Capacity at -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
	SEER / EER		27.5 / 15.8	25.5 / 13.8	25 / 15	24 / 14.4	22.5 / 13
	HSPF		13.5	12.5	13.5	13	12.5
	SEER2 / EER2		27 / 15.8	25.5 / 13.8	25 / 15	24 / 14.4	23 / 13
	HSP2 (IV / V)		13.5 / 11.7	11.2 / 8.3	11 / 8.2	10.8 / 8	10 / 7.8
Power	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 / 1.125	1.25 / 1.54	1.69 / 2.08
	MCA, MOCP	A	11.2, 15	11.2, 15	19, 30	19, 30	19, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	8.7/8.7	8.7/8.7	14.81/14.81	14.81/14.81	14.81/14.81
Operating Range	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-HS0 / PAG-HS1	PAG-HS0 / PAG-HS1	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
	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
Unit Data	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
	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
	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	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:
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. Installation of an optional Low Ambient Kit will allow operation down to -17.8˚C (0˚F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with Prestige line up.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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

LG ARTCOOL® MIRROR

LA090HSV5
LA120HSV5
LA180HSV5
LA181HSV5

LG ThinQ®

Specification		Unit	LA090HSV5	LA120HSV5	LA180HSV5	LA181HSV5
	Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5	LAN181HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5	LSU181HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	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
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C / COP	Btu/h	11,080 / 3.18	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	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	16,760 / 2.13	16,760 / 2.13
	SEER / EER		23.5 / 14.5	22.7 / 12.5	21.5 / 12.6	21.5 / 12.6
	HSPF		11.3	11.4	10.2	10.2
	SEER2 / EER2		23.2 / 14.5	22 / 12.5	22 / 12.55	22 / 12.55
	HSPF2 (IV / V)		10.2 / 7.6	10 / 7.5	9.5 / 7.8	9.5 / 7.8
Power	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	0.62 / 0.71	0.96 / 1.04	1.43 / 1.73	1.43 / 1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	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	9.85/9.85
Operation Range	ODU Heating Operation Range	°C WB	-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
	Optional Wind Baffle[4]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C WB	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
	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	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	34-1/4x31-1/2x12-19/32	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
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5	127.9 / 145.5
Unit Data	Airflow (Max/H/M/L)[6]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Base Pan Heater		Included	Included	Not Included	Not Included
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure[7]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29	45 / 40 / 35 / 29
	Outdoor Max	dB(A)	48	48	53	53
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 / 82	9.8 / 82	9.8 / 114.8	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
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:
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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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LG DUALCOOL®

LS090HSV5
LS120HSV5
LS180HSV5
LS181HSV5

LG ThinQ®

Specification		Unit	LS090HSV5	LS120HSV5	LS180HSV5	LS181HSV5
	Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5	LSN181HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5	LSU181HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	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
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C / COP	Btu/h	11,080 / 3.46	13,810 / 2.93	22,340 / 2.81	22,340 / 2.81
	Max Heating Capacity at -15°C / COP[5]	Btu/h	9,570 / 3.05	11,930 / 2.58	19,300 / 2.48	19,300 / 2.48
	Max Heating Capacity at -20°C / COP	Btu/h	8,310 / 2.84	10,360 / 2.42	16,760 / 2.31	16,760 / 2.31
	SEER / EER		23.5 / 14.5	22.7 / 12.5	21.5 / 12.6	21.5 / 12.6
	HSPF		11.3	11.4	10.2	10.2
	SEER2 / EER2		23.2 / 14.5	22 / 12.5	22 / 12.55	22 / 12.55
	HSPF2 (IV / V)		10.2 / 7.6	10 / 7.5	9.5 / 7.8	9.5 / 7.8
Power	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	0.62 / 0.71	0.96 / 1.04	1.43 / 1.73	1.43 / 1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 14	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	9.85/9.85
Operation Range	ODU Heating Operation Range	°C WB	-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
	Optional Wind Baffle[4]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C WB	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
	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	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32	37-13/32 x 32-3/7 x 13
Weight	IDU Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2	25.6 / 32.2
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5	127.9 / 145.5
Unit Data	Airflow (Max/H/M/L)[6]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Base Pan Heater		Included	Included	Not Included	Not Included
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure[7]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29	45 / 40 / 35 / 29
	Outdoor Max (Cool/Heat)	dB(A)	48	48	53	53
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 / 82	9.8 / 82	9.8 / 114.8	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
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:
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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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LG DUALCOOL™ ThinQ™ EXTENDED PIPING

LS243HLV3
LS303HLV3
LS363HLV3

LG ThinQ®

Specification		Unit	LS243HLV3	LS303HLV3	LS363HLV3
	Indoor Unit		LSN243HLV3	LSN303HLV3	LSN363HLV3
	Outdoor Unit		LSU243HLV3	LSU303HLV3	LSU363HLV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	22,000	30,000	33,000
	Cooling Capacity Range	Btu/h	3,070 ~ 30,000	3,070 ~ 34,000	3,070 ~ 34,000
	Rated Heating Capacity	Btu/h	26,000	32,400	35,200
	Heating Capacity Range	Btu/h	3,070 ~ 36,200	3,070 ~ 38,900	3,070 ~ 38,900
	Max Heating Capacity at -8.3°C / COP	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	Btu/h	21,170 / 2.15	24,390 / 1.97	26,820 / 1.75
	SEER / EER		21.5 / 13	20 / 11.3	18.5 / 10
	HSPF		12	11.5	11
	SEER2 / EER2		22 / 13	20.5 / 11.3	19 / 10
	HSPF2 (IV / V)		9.5 / 7.6	7.9 / 6.3	7.9 / 6
Power	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	3.3 / 3.12
	MCA, MOCP	A	19, 30	23, 30	23, 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
Operating Range	ODU Heating Operation Range	°C WB	-20 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3
	ODU Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30	15.6 ~ 30
	Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30	18 ~ 30
	Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	41-23/32x14-3/16x10-7/16	47-1/4x14-3/16x10-7/16	47-1/4x14-3/16x10-7/16
	ODU Dimensions (WxHxD)	in	37-13/32x32-3/4x13	37-13/32x32-3/4x13	37-13/32x32-3/4x13
Weight	IDU Weight (Net/Shipping)	lbs	36.6 / 44.5	40.8 / 48.9	40.8 / 48.9
	ODU Weight (Net/Shipping)	lbs	135.4 / 147.7	147.9 / 160.3	147.9 / 160.3
Unit Data	Airflow (Max/H/M/L)[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
Sound Pressure[7]	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
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	9.8 / 164.0	9.8 / 164.0	9.8 / 164.0
	Max Pipe Elevation	ft	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.38	0.38	0.38
	Drain (OD, ID)	in	25/32, 19/32	25/32, 19/32	25/32, 19/32
Controller	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:
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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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CONSOLE

LQ090HV4
LQ120HV4

LG ThinQ®

Specification		Unit	LQ090HV4	LQ120HV4
	Indoor Unit		LQN090HV4	LQN120HV4
	Outdoor Unit		LUU097HV	LUU127HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	10,200
	Cooling Capacity Range	Btu/h	4,270 ~ 11,500	4,500 ~ 13,460
	Rated Heating Capacity	Btu/h	10,100	13,000
	Heating Capacity Range	Btu/h	4,600 ~ 13,000	5,970 ~ 15,000
	Max Heating Capacity at -8.3°C / COP	Btu/h	10,640 / 1.99	12,080 / 2.09
	Max Heating Capacity at -15°C / COP[5]	Btu/h	10,000 / 1.87	11,000 / 1.88
	Max Heating Capacity at -20°C / COP	Btu/h	9,380 / 1.91	9,950 / 1.85
	SEER / EER		21 / 12.6	20.8 / 12.6
	HSPF		10.4	10.2
	SEER2 / EER2		21 / 12.6	21 / 12.6
	HSPF2 (IV / V)		10.4 / 8.7	10.2 / 8.8
Power	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	0.71 / 0.85	0.81 / 1.23
	MCA, MOCP	A	11.9, 15	12.3, 15
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14
	Rated Amps Cool	A	9.95/9.95	9.95/9.95
Operating Range	ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8
	ODU Cooling Operation Range	°C DB	-17.8 ~ 47.8	-17.8 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C DB	15.6 ~ 30	15.6 ~ 30
	Setpoint Range Cooling	°C	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
Unit Data	Airflow (Max/H/M/L)[6]	CFM	318/300/237/177	353/318/244/184
	Dehumidification	pts/hr	2.0	2.5
	Compressor Type		Twin Rotary	Twin Rotary
	Base Pan Heaters		Not Included	Not Included
	Refrigerant Type		R410A	R410A
Sound Pressure[7]	Indoor (H/M/L/SL)	dB(A)	38 / 32 / 27	39 / 32 / 27
	Outdoor Max	dB(A)	52	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
	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, 10 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). 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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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4-WAY CASSETTE (2'× 2')

LGRED°

LC098HV4
LC128HV4

LC188HV4
LC188HHV4

LGRED°

Specification		Unit	LC098HV4	LC128HV4	LC188HV4	LC188HHV4
	Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4	LCN188HV4
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV	LUU180HHV
Capacity[1,2]	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
	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[5]	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
	SEER / EER		20.2 / 13.65	19.4 / 12.6	20.5 / 12.5	20 / 12.8
	HSPF		10.5	10.4	10	11.1
	SEER2 / EER2		20.2 / 13.65	19.4 / 12.6	20.5 / 12.5	20 / 12.8
	HSPF2 (IV / V)		10.55 / 8.7	10.35 / 8.2	9.7 / 7.75	9.4 / 7.45
Power	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	0.66 / 0.83	0.88 / 1.19	1.44 / 1.95	1.41 / 1.80
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30	22, 30
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	9.65/9.65	10.05 / 10.05	15.1 / 15.1	9.95/9.95
Operating Range	ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
	ODU Cooling Operation Range	°C DB	-17.8 ~ 47.8	-17.8 ~ 47.8	-17.8 ~ 47.8	-15 ~ 47.8
	Optional Wind Baffle[5]	Yes	PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 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	22-7/16x9-9/32x22-7/16	22-7/16x9-9/32x22-7/16	22-7/16x9-9/32x22-7/16	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	37-13/32x32-27/32x13	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	74.5 / 80	74.5 / 80	127.8 / 140	133.4 / 144.4
Unit Data	Airflow (Max/H/M/L)[6]	CFM	300 / 265 / 230	335 / 283 / 247	460 / 424 / 388	494 / 460 / 424 / 388
	Dehumidification	pts/hr	1.6	2.5	3.3	4.3
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	R1 Scroll
	Base Pan Heaters		Not Included	Not Included	Not Included	Included
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure[7]	Indoor (H/M/L/SL)	dB(A)	36/33/30	38/35/32	41/39/36	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
	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-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Grille Weight (Net / Shipping)		6.6 / 8.8	6.6 / 8.8	6.6 / 8.8	6.6 / 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:
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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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4-WAY CASSETTE (3'× 3')

LGRED°

LC249HHV

LC369HHV
LC429HHV
LC489HHV

Specification		Unit	LGRED° LC249HHV	LGRED° LC369HHV	LGRED° LC429HHV	LGRED° LC489HHV
	Indoor Unit		LCN249HV	LCN369HV	LCN429HV	LCN489HV
	Outdoor Unit		LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	24,000	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	9,600 ~ 30,000	14,400 ~ 46,000	7,700 ~ 24,800	7,200 ~ 24,800
	Rated Heating Capacity	Btu/h	27,000	40,000	18,500	20,000
	Heating Capacity Range	Btu/h	10,800 ~ 33,000	16,000 ~ 46,000	6,500 ~ 23,400	6,500 ~ 23,700
	Max Heating Capacity at -8.3°C / COP	Btu/h	28,700 / 1.96	41,700 / 2.00	50,700 / 2.26	54,500 / 2.4
	Max Heating Capacity at -15°C / COP[5]	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
	SEER / EER		21 / 12.6	21.5 / 12.6	19.5 / 12.8	17.5 / 12.5
	HSPF		10.2	11	11.6	11.7
	SEER2 / EER2		21 / 12.6	21.5 / 12.6	19.5 / 12.8	17.5 / 12.5
	HSPF2 (IV / V)		10.2 / 8.25	10.55 / 8.35	10.75 / 8.3	10.65 / 8.15
Power	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	1.91 / 2.25	2.86 / 3.2	3.28 / 3.41	3.84 / 3.85
	MCA, MOCP	A	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	16.7 / 16.7	26.2 / 26.2	26.5 / 26.5	26.5 / 26.5
Operating Range	ODU Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8
	ODU Cooling Operation Range	°C DB	-17.8 ~ 47.8	-17.8 ~ 47.8	-17.8 ~ 47.8	-17.8 ~ 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	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 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)[6]	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		Included	Included	Included	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
	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-AGGW0
	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:
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. Installation of an optional Low Ambient Kit will allow operation down to -17.8˚C (0˚F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with Prestige line up.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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HIGH STATIC DUCTED

LG ThinQ®
LGRED°

LH248HV4
LH248HHV4

LH368HV4
LH368HHV4
LH428HHV
LH488HHV

Specification		Unit	LH248HV4	LH368HV4	LGRED° LH248HHV4	LGRED° LH368HHV4	LGRED° LH428HHV	LGRED° LH488HHV
	Indoor Unit		LHN248HV	LHN368HV	LHN248HV	LHN368HV	LHN428HV	LHN488HV
	Outdoor Unit		LUU249HV	LUU369HV	LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	24,000	36,000	23,000	36,000	42,000	46,000
	Cooling Capacity Range	Btu/h	9,600 ~ 27,000	14,400 ~ 41,400	9,200 ~ 32,000	14,400 ~ 44,000	16,800 ~ 50,000	18,400 ~ 55,000
	Rated Heating Capacity	Btu/h	27,000	41,500	27,000	40,000	48,000	50,000
	Heating Capacity Range	Btu/h	10,800 ~ 30,000	16, 000 ~ 42,200	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	26, 000 / 2.74	41, 500 / 2.29	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	23, 600 / 2.06	35, 000 / 1.87	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	20,760 / 1.98	27,310 / 1.59	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	N/A	N/A	21,600 / 1.39	30,000 / 1.57	34,510 / 1.60	36,010 / 1.70
	SEER / EER		19 / 12	19 / 12.1	18.2 / 12.5	19 / 12.5	19 / 12.5	19 / 12.5
	HSPF		10.5	9.7	10.8	10.2	10.9	11.2
	SEER2 / EER2		16.85 / 11.7	18.85 / 11.85	16.75 / 12	18.3 / 12	18.7 / 12.05	17.7 / 11.7
	HSPF2 (IV / V)		9 / 7.3	9.2 / 7.3	9.4 / 8	9.2 / 7.3	9.15 / 7.45	9.4 / 7.5
Power	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	2.98 / 2.08	2.98 / 3.08	1.84 / 2.08	2.88 / 3.36	3.36 / 4.5	3.68 / 4.55
	MCA, MOCP	A	20, 30	32, 40	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool/Heat	A	16.7 / 16.7	27.5 / 27.5	17.7 / 17.7	27.5 / 27.5	26.5 / 26.5	26.5 / 26.5
Operating Range	ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 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	-15 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	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	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
	Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30
	Setpoint Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30	16 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	35-1/2 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	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	37-19/32 x 54-11/32 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	58.6 / 71.9	85.3 / 99.4	58.6 / 71.9	85.3 / 99.4	95.9 / 112.9	95.9 / 112.9
	ODU Weight (Net/Shipping)	lbs	130 / 143.3	198.9 / 223.1	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data	Airflow (Max/H/M/L)[6]	CFM	777 / 706 / 636	1,130 / 989 / 848	777 / 706 / 636	1,130 / 998 / 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	0.1 ~ 0.59	0.1 ~ 0.59	0.16 ~ 0.59	0.16 ~ 0.59
	Dehumidification	pts/hr	5.1	5.9	3.5	7.9	7.2	7.6
	Compressor Type		Twin Rotary	Scroll	R1 Scroll	R1 Scroll	R1 Scroll	R1 Scroll
	Base Pan Heaters		Not Included	Not Included	Included	Included	Included	Included
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure[7]	Indoor (H/M/L)	dB(A)	37 / 35 / 34	44 / 42 / 40	37 / 35 / 34	36 / 34 / 33	39 / 37 / 35	42 / 40 / 39
	Outdoor Max (Cool / Heat)	dB(A)	48 / 52	52 / 54	51 / 52	52 / 54	54 / 56	54 / 56
Piping[8]	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	24.6 / 164	24.6 / 246.1	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	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.9	24.9	24.9	24.9
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	1-1/4 , 1	1-1/4 , 1	1-1/4 , 1	1-1/4 , 1	1-1/4 , 1	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:
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. Installation of an optional Low Ambient Kit will allow operation down to -17.8°C (0°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with Prestige line up.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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Vertical AHU (Multi Position)

LG ThinQ®

LV181HV4
LV241HV4

LV361HV4
LV420HV
LV480HV

Specification		Unit	LV181HV4	LV241HV4	LV361HV4	LV420HV	LV480HV
	Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU189HV	LUU249HV	LUU369HV	LUU428HV	LUU488HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	36,000	42,000	48,000
	Cooling Capacity Range	Btu/h	7,200 ~ 24,000	9,600 ~30,000	14,400 ~ 39,000	17,000 ~ 48,000	18,000 ~ 53,000
	Rated Heating Capacity	Btu/h	20,000	27,000	40,000	47,000	56,000
	Heating Capacity Range	Btu/h	8,000 ~ 24,000	10,800 ~ 30,000	16,000 ~ 43,000	18,000 ~ 55,000	19,000 ~ 60,000
	Max Heating Capacity at -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	36,200 / 2.16	36,800 / 2.18
	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
	SEER / EER		19.2 / 13.3	19.5 / 12	18 / 11	17 / 11.05	16.5 / 10
	HSPF		10.4	11	10	10	9.5
	SEER2 / EER2		17.25 / 12.3	17.6 / 11.45	16.25 / 11	17.2 / 10.75	16.8 / 9.8
	HSPF2 (IV / V)		9.25 / 7.75	9.7 / 7.9	8.95 / 7.05	9.35 / 7.65	9.2 / 7.4
Power	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	1.35 / 1.73	2 / 2.25	3.27 / 3.57	3.8 / 4	4.8 / 5.1
	MCA, MOCP	A	20, 30	20, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	16.2	16.2	26.3	24.2	24.2
Operating Range	ODU Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
	ODU Cooling Operation Range	°C DB	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
	Setpoint Range Cooling	°C	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	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	116.8 / 128.4	116.8 / 128.5	122.4 / 134	158.7 / 176.4	158.7 / 176.4
	ODU Weight (Net/Shipping)	lbs	129 / 141	130 / 143.3	198.9 / 223.1	203 / 232	203 / 232
Unit Data	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 ~ 1	0.1 ~ 1
	Filter Rack Size		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
	Dehumidification	pts/hr	3.1	4	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		Not Included	Not Included	Not Included	Not Included	Not 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)	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
	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:
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. 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.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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Vertical AHU (Multi Position)

LG ThinQ®
LGRED®

LV181HHV4
LV241HHV4

LV361HHV4
LV420HHV
LV480HHV

Specification		Unit	LGRED° LV181HHV4	LGRED° LV241HHV4	LGRED° LV361HHV4	LGRED° LV420HHV	LGRED° LV480HHV
	Indoor Unit		LVN181HV4	LVN241HV4	LVN361HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU180HHV	LUU240HHV	LUU360HHV	LUU420HHV	LUU480HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	33,000	42,000	46,000
	Cooling Capacity Range	Btu/h	7,200 ~ 24,800	9,600 ~ 30,000	14,400 ~ 44,000	16,800 ~ 50,000	18,400 ~ 55,000
	Rated Heating Capacity	Btu/h	20,000	27,000	37,500	48,000	50,000
	Heating Capacity Range	Btu/h	8,000 ~ 27,000	10,800 ~ 36,000	16,000 ~ 43,000	18,000 ~ 60,000	19,000 ~ 63,000
	Max Heating Capacity at -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
	SEER / EER		19.2 / 13.6	19.5 / 12.7	17.8 / 12.5	19.6/ 12.5	19 / 12.5
	HSPF		10.4	11	10.7	11	10.5
	SEER2 / EER2		17.05 / 13.35	16.45 / 11.9	16.4 / 11.95	17.3 / 12	17.75 / 11.95
	HSPF2 (IV / V)		8.9 / 7.2	9.25 / 7.6	9.3 / 7.5	9.45 / 7.75	9.4 / 7.6
Power	Voltage (ODU)	V, Ø, Hz	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	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, MOCP	A	22, 30	22, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14	4 x 14
	Rated Amps Cool	A	17.2	17.2	26.3	27.4	27.4
Operating Range	ODU Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 17.8
	ODU Cooling Operation Range	°C DB	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8	-15 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25	13.8 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2	15 ~ 27.2
	Setpoint Range Cooling	°C	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	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	116.8 / 128.4	116.8 / 128.5	122.4 / 134	158.7 / 176.4	158.7 / 176.4
	ODU Weight (Net/Shipping)	lbs	133.4 / 144.4	133.4 / 144.4	198.9 / 223.1	210.9 / 234.1	210.9 / 234.1
Unit Data	Airflow (Max/H/M/L)[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	0.1 ~ 1
	Filter Rack Size		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
	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
	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:
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. Installation of an optional Low Ambient Kit will allow operation down to -17.8°C (0°F) in cooling mode for applicable outdoor units. PQCA0 is not compatible with Prestige line up.
5. The Capacities at -15°C does not refer to H42 testing conditions.
6. Airflow shown is in cooling mode.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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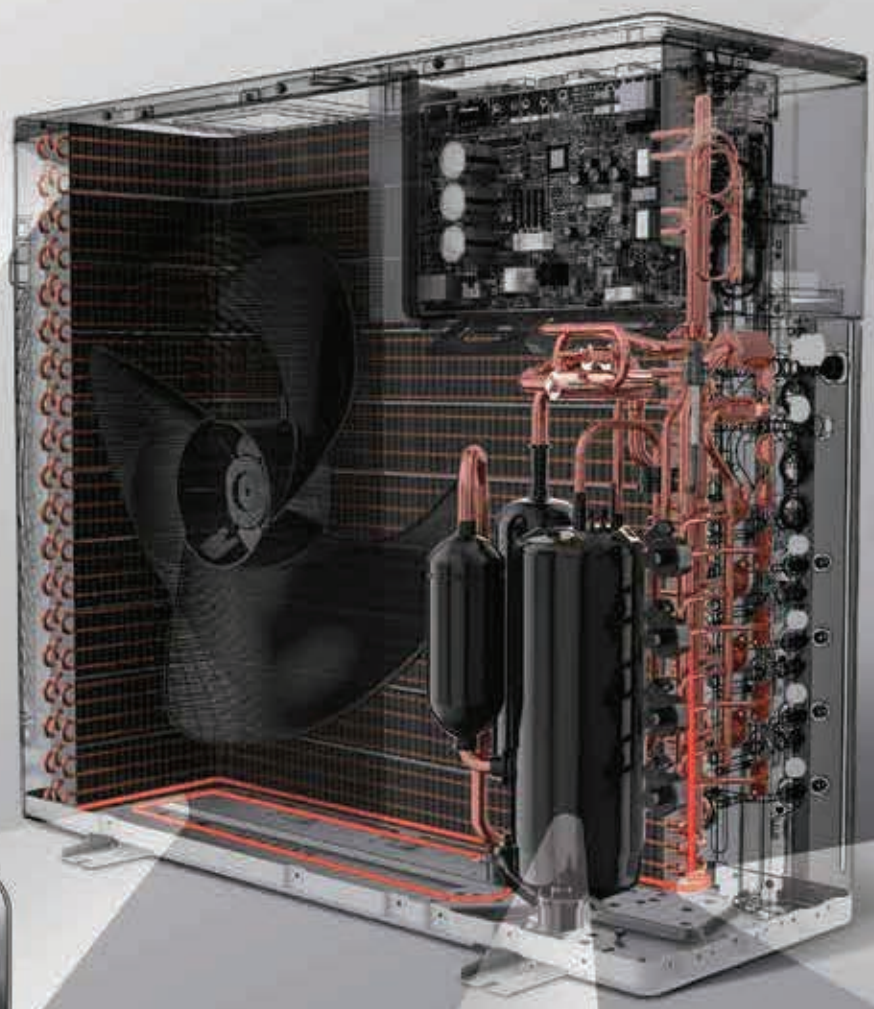
MULTI HEATING OUTDOOR UNITS LGRED°

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

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

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

Tested on extreme climate conditions in New Brunswick & Ontario.

MULTI-ZONE Lineup

OUTDOOR UNITS			
Btu/h	Multi F	Minimum and Maximum Indoor Units	Combination Sample
18,000	LMU183HV / LMU180HHV	2 - 2	
24,000	LMU243HV / LMU240HHV	2 - 3	
30,000	LMU303HV / LMU300HHV	2 - 4	
36,000	LMU363HV	2 - 4	
Btu/h	Multi F MAX	Minimum and Maximum Indoor Units	Combination Sample
36,000	LMU361HHV	2 - 5	
42,000	LMU421HHV	2 - 6	
48,000	LMU480HHV / LMU481HV	2 - 8	
54,000	LMU541HV	2 - 8	
60,000	LMU601HV	2 - 8	

MULTI-ZONE Lineup

INDOOR UNITS								
Btu/h		7,000	9,000	12,000	15,000	18,000	24,000	36,000
Wall Mounted	ARTCOOL® Mirror		 LAN090HSV5	 LAN120HSV5		 LAN180HSV5		
	DUALCOOL®	 LMN079HVT LMU Only	 LSN090HSV5	 LSN120HSV5	 LMN159HVT LMU Only	 LSN180HSV5	 LMN249HVT LMU Only	
Ceiling Mounted	4-Way Cassette	 LMCN078HV Multi Only	 LCN098HV4	 LCN128HV4		 LCN188HV4		
Console	Console		 LQN090HV4	 LQN120HV4	 LMQN150HV LMU Only			
Ducted	High Static						 LHN248HV	 LHN368HV
	Low Static		 LDN097HV4	 LDN127HV4		 LDN187HV4		
	Vertical AHU (Multi Position)					 LVN181HV4	 LVN241HV4	 LVN361HV4

MULTI F OUTDOOR UNITS

LMU180HV
LMU183HV
LMU240HV
LMU243HV

Specification		Unit	LMU180HV	LMU183HV	LMU240HV	LMU243HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	18,000	23,600	24,000
	Cooling Capacity Range	Btu/h	8,400 ~ 21,600	8,400 ~ 21,600	8,400 ~ 25,000	8,400 ~ 25,000
	Rated Heating Capacity	Btu/h	22,000	22,000	24,600	24,600
	Heating Capacity Range	Btu/h	10,080 ~ 25,000	10,080 ~ 25,000	10,080 ~ 29,000	10,080 ~ 29,000
	Max Heating Capacity at -8.3°C[3]	Btu/h	20,200	20,200	21,400	21,400
	Max Heating Capacity at -15°C[3,6]	Btu/h	17,700	17,700	18,000	18,400
	Max Heating Capacity at -20°C[3]	Btu/h	14,800	14,800	14,800	15,400
	SEER (Ducted / Non-Ducted)		18.5 / 22.5	N/A	18.5 / 22.5	N/A
	EER (Ducted / Non-Ducted)		12.5 / 13.5	N/A	12.5 / 13.5	N/A
	HSPF (Ducted / Non-Ducted)		9.6 / 11	N/A	9.8 / 11	N/A
	SEER2 (Ducted / Non-Ducted)		18.5 / 22.5	18.5 / 22.5	18.5 / 22.5	18.5 / 22.5
	EER2 (Ducted / Non-Ducted)		12.5 / 13.5	12.5 / 13.5	12.5 / 13.5	12.5 / 12.5
	HSPF2 (IV / V) Non-Ducted		9.9 / 7.6	9.6 / 7.8	9.5 / 6.9	9.4 / 7.2
	HSPF2 (IV / V) Ducted		8.8 / 7	9 / 7.5	8.8 / 7	9 / 7.2
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	MCA, MOCP	A	15.8, 20	15.8, 20	16, 20	16, 20
	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	12.8 / 12.8	13 / 13	13 / 13
Operating Range	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-HS0 / PAG-HS1	PAG-HS0 / PAG-HS1
Dimensions & Weight	ODU Dimensions (WxHxD)	in	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13
	ODU Weight (Net/Shipping)	lbs	101/109.8	101/109.8	101.4/110.2	101.4/110.2
Unit Data	Refrigerant Type		R410A	R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Base Pan Heaters		Not Included	Not Included (PQSH1203)	Not Included	Not Included (PQSH1203)
	Sound Pressure (Cooling / Heating)[7]	dB(A)	49 / 54	49 / 54	50 / 54	50 / 54
	Maximum Air Volume	CFM	1,766	1,766	1,766	1,766
	Minimum Connectable IDUs	Qty	2	2	2	2
	Maximum Connectable IDUs	Qty	2	2	3	3
Piping[8]	Liquid Pipe	in	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3
	Vapor Pipe	in	3/8 x 2	3/8 x 2	3/8 x 3	3/8 x 3
	Maximum Total Pipe Length	ft	164	164	230	230
	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	3.97	3.97
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). 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. 100% Combination Ratio with maximum number of non-ducted indoor units4
4. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
5. 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.LGRED units are not compatible with PQCA0 Without PQCA0, it will allow cooling opeation down to -20 C (-4 F) with only wind baffles
6. The Capacities at -15°C does not refer to H42 testing conditions.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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MULTI F OUTDOOR UNITS Continued

LMU30CHV
LMU303HV
LMU36CHV
LMU363HV

Specification		Unit	LMU30CHV	LMU303HV	LMU36CHV	LMU363HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	30,000	30,000	32,000	32,800
	Cooling Capacity Range	Btu/h	8,400 ~ 36,000	8,400 ~ 36,000	8,400 ~ 38,400	8,400 ~ 38,400
	Rated Heating Capacity	Btu/h	32,000	32,000	36,000	36,000
	Heating Capacity Range	Btu/h	9,240 ~ 38,400	10,080 ~ 38,400	9,240 ~ 41,600	10,080 ~ 41,600
	Max Heating Capacity at -8.3°C[3]	Btu/h	29,800	27,200	32,400	28,400
	Max Heating Capacity at -15°C[3,6]	Btu/h	26,600	24,000	28,000	25,200
	Max Heating Capacity at -20°C[3]	Btu/h	22,800	20,400	24,000	20,800
	SEER (Ducted / Non-Ducted)		18.2 / 22	N/A	18.2 / 22	N/A
	EER (Ducted / Non-Ducted)		11 / 13	N/A	11 / 13	N/A
	HSPF (Ducted / Non-Ducted)		9.7 / 10	N/A	9.7 / 10	N/A
	SEER2 (Ducted / Non-Ducted)		17.6 / 22	18.5 / 22	17.6 / 21.5	18 / 21.5
	EER2 (Ducted / Non-Ducted)		11 / 13	12 / 13	11 / 13	11.7 / 12.5
	HSPF2 (IV / V) Non-Ducted		9.2 / 7.2	9.2 / 7.1	8.2 / 6.3	9 / 7
	HSPF2 (IV / V) Ducted		8.5 / 6.6	8.8 / 7	8.5 / 6.6	8.6 / 6.9
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	MCA, MOCP	A	16.6, 25	18.4, 25	17.9, 25	18.4, 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	13.93 / 13.93	15.03 / 15.03	15.13 / 15.13	15.03 / 15.03
Operating Range	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-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
Dimensions & Weight	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	37-13/32 x 32-27/32 x 13
	ODU Weight (Net/Shipping)	lbs	137/148	138.9/154.3	137/148	138.9/154.3
Unit Data	Refrigerant Type		R410A	R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Base Pan Heaters		Not Included	Not Included (PQSH1200)	Not Included	Not Included (PQSH1200)
	Sound Pressure (Cooling / Heating)[7]	dB(A)	52 / 55	51 / 54	52 / 55	51 / 54
	Maximum Air Volume	CFM	2,119	2,119	2,119	2,119
	Minimum Connectable IDUs	Qty	2	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4	4
Piping[8]	Liquid Pipe	in	1/4 x 4	1/4 x 4	1/4 x 4	1/4 x 4
	Vapor Pipe	in	3/8 x 4	3/8 x 4	3/8 x 4	3/8 x 4
	Maximum Total Pipe Length	ft	246.1	246.1	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	6.18	6.17	6.18	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:
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. 100% Combination Ratio with maximum number of non-ducted indoor units4
4. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
5. 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.LGRED units are not compatible with PQCA0 Without PQCA0, it will allow cooling opeation down to -20 C (-4 F) with only wind baffles
6. The Capacities at -15°C does not refer to H42 testing conditions.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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MULTI F OUTDOOR UNITS with LGRED°

LMU180HHV
LMU240HHV
LMU300HHV

LGRED°

Model	Specification	Unit	LGRED° LMU180HHV	LGRED° LMU240HHV	LGRED° 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
	SEER (Ducted / Non-Ducted)		17.5 / 21	17 / 21	17.5 / 20
	EER (Ducted / Non-Ducted)		12 / 13.5	11.5 / 13.5	10.5 / 12.5
	HSPF (Ducted / Non-Ducted)		9 / 10	9 / 10.7	9.5 / 11
	SEER2 (Ducted / Non-Ducted)		17.5 / 21	17 / 21	17.5 / 20
	EER2 (Ducted / Non-Ducted)		12 / 13.5	11.7 / 13.5	11.7 / 12.5
	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
Power	Voltage	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	MCA, MOCP	A	18.6, 30	19, 30	19.4, 30
	Power/Communication Wiring[4]	No. x AWG	4 x 14	4 x 14	4 x 14
	Rated Amps	A	15.33	15.73	16.13
Operating Range	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
	Optional Wind Baffle[5]		PAG-HS6/PAG-HS7	PAG-HS6/PAG-HS7	PAG-HS6/PAG-HS7
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	Weight (Net/Shipping)	lbs	147.7/163.1	152.1/165.3	152.1/165.3
Unit Data	Refrigerant Type		R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Drain Pan Heater		Factory Installed	Factory Installed	Factory Installed
	Sound Pressure (Cooling / Heating)[7]	dB(A)	50/54	52/55	52/55
	Maximum Air Volume	CFM	2,295	2,295	2,295
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4
Piping[8]	Liquid Pipe	in	1/4 x 2	1/4 x 3	1/4 x 4
	Vapor Pipe	in	3/8 x 2	3/8 x 3	3/8 x 4
	Maximum Total Pipe Length	ft	164	246.1	246.1
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU TO IDU	ft	82	82	82
	Precharge Pipe Length	ft	49.2	73.8	98.4
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6
	Factory Charge of R410A	lbs	6.18	7.05	7.05
	Additional Refrigerant	oz/ft	0.22	0.22	0.22
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). 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. 100% Combination Ratio with maximum number of non-ducted indoor units4
4. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
5. 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.LGRED units are not compatible with PQCA0 Without PQCA0, it will allow cooling opeation down to -20 C (-4 F) with only wind baffles
6. The Capacities at -15°C does not refer to H42 testing conditions.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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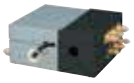
MULTI F MAX OUTDOOR UNITS

LMU481HV
LMU541HV
LMU601HV



Branch Distribution Box (Sold Separately)

Specification		Unit	LMU481HV	LMU541HV	LMU601HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	48,000	50,500	60,000
	Cooling Capacity Range	Btu/h	10,800 ~ 58,000	10,800 ~ 63,200	10,800 ~ 65,000
	Rated Heating Capacity	Btu/h	54,000	58,000	64,000
	Heating Capacity Range	Btu/h	12,420 ~ 59,000	12,420 ~ 64,000	12,420 ~ 68,000
	Max Heating Capacity at -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
	SEER (Ducted / Non-Ducted)		19 / 20.8	18.6 / 20.6	18.5 / 20.5
	EER (Ducted / Non-Ducted)		12.6 / 12.8	12.5 / 12.6	11 / 11.3
	HSPF (Ducted / Non-Ducted)		10.5 / 10.5	10 / 10	10.5 / 11
	SEER2 (Ducted / Non-Ducted)		19 / 20.8	18.5 / 20.6	18.5 / 20.5
	EER2 (Ducted / Non-Ducted)		12.6 / 12.8	12.5 / 12.6	11 / 11.3
	HSPF2 (IV / V) Non-Ducted		9.5 / 7.3	9.5 / 7.2	10 / 7.6
	HSPF2 (IV / V) Ducted		9.5 / 7.3	9.5 / 7.2	9.5 / 7.4
Power	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	4x14	4x14	4x14
	Rated Amps (Cool/Heat)	A	17/20.5	18.2/23	24/24.6
Operating Range	Heating Operation Range	℃ WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
	Cooling Operation Range	℃ 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		Not Included	Not Included	Not Included
	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
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	39.2	39.2	39.2
	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). 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. 100% Combination Ratio with maximum number of non-ducted indoor units4
4. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
5. 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.LGRED units are not compatible with PQCA0 Without PQCA0, it will allow cooling opeation down to -20 C (-4 F) with only wind baffles
6. The Capacities at -15°C does not refer to H42 testing conditions.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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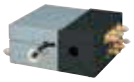
MULTI F MAX OUTDOOR UNITS with LGRED°

LMU361HHV
LMU421HHV
LMU480HHV



Branch Distribution Box (Sold Separately)

LGRED°

Specification		Unit	LGRED° LMU361HHV	LGRED° LMU421HHV	LGRED° 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
	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
Power	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
Operating Range	Heating Operation Range	°C WB	-25 ~ 17.8	-25 ~ 17.8	-25 ~ 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	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
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:
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. 100% Combination Ratio with maximum number of non-ducted indoor units4
4. All power/communication wiring minimum 14 X 4-conductor, stranded, shielded, and must comply with applicable local and national codes
5. 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.LGRED units are not compatible with PQCA0 Without PQCA0, it will allow cooling opeation down to -20 C (-4 F) with only wind baffles
6. The Capacities at -15°C does not refer to H42 testing conditions.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.

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MULTI F INDOOR UNITS

LG ARTCOOL® Mirror

LG ThinQ®

Specification		Unit	LAN090HSV5	LAN120HSV5	LAN180HSV5
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,900	13,600	21,600
Power	Voltage		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		Cross Flow	Cross Flow	Cross Flow
	Motor Output x Qty	W	30 x 1	30 x 1	60 x 1
	Motor/Drive		BLDC	BLDC	BLDC
	Airflow (H/M/L)	CFM	268/218/169	282/233/177	558/438/353
Unit Data	Rated Amps	A	0.4	0.4	0.4
	Sound Pressure Level (H/M/L)[4]	dB(A)	36/32/27	38/34/29	44/38/34
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	Weight (Net/Shipping)	lbs	20.5/25.6	20.5/25.6	29.8/36.4
Piping[5]	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	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	LSN180HSV5	LMN249HVT
Capacity[1,2]	Cooling	Btu/h	7,000	9,000	12,000	14,300	18,000	24,000
	Heating	Btu/h	8,100	10,900	13,600	15,600	21,600	25,600
Power	Voltage		Powered by ODU	Powered by ODU	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	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
Unit Data	Rated Amps	A	0.4	0.4	0.4	0.4	0.4	0.4
	Sound Pressure Level (H/M/L)[4]	dB(A)	35/31/26	36/32/27	38/34/29	42/38/32	44/38/34	46/41/36
	Dimensions (WxHxD)	in	32-15/16 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). 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 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
Piping[5]	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	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)		

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 INDOOR UNITS

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
Piping[5]	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	1/2
	Drain (OD, ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller	Wireless Remote		Included	Included	Included	Included
Grille (Sold Separately)	Model		PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0
	Dimensions (WxHxD)	in	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16
	Weight (Net/Shipping)	lbs	7/11	7/11	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)			

Low Static Ducted

LG ThinQ®

Specification		Unit	LDN097HV4	LDN127HV4	LDN187HV4
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,400	13,800	20,800
Power	Voltage		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 ~ 0.2	0 ~ 0.2	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)		

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 INDOOR UNITS

High Static Ducted

LG ThinQ®

Specification		Unit	LHN248HV	LHN368HV
Capacity[1,2]	Cooling	Btu/h	24,000	36,000
	Heating	Btu/h	27,000	40,000
Power	Voltage		Powered by ODU	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	Sirocco
	Motor Output x Qty	W	136.5 x 1	259 x 1
	Motor/Drive		BLDC	BLDC
	Airflow (H/M/L)	CFM	777/706/636	1,130/989/848
Unit Data	Rated Amps	A	1.6	2.3
	Static Pressure Range	in. wg	0.1 ~ 0.59	0.1 ~ 0.59
	Sound Pressure Level (H/M/L)[4]	dB(A)	37/35/34	44/42/40
	Dimensions (WxHxD)	in	35-7/16 x 10-5/8 x 27-9/16	49-3/16 x 10-5/8 x 27-9/16
	Weight (Net/Shipping)	lbs	59/72	86/100
Piping[5]	Liquid Pipe	in	1/4	3/8
	Vapor Pipe	in	1/2	5/8
	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1
Controller	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	36,000
	Heating	Btu/h	20,000	27,000	40,000
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	250 x 1	250 x 1	250 x 1
	Motor/Drive		Constant CFM ECM	Constant CFM ECM	Constant CFM ECM
	Static Pressure Range	in.wg	0.1 ~ 0.7	0.1 ~ 0.7	0.1 ~ 0.7
	Airflow (H/M/L)	CFM	640/580/480	710/640/480	990/880/800
Unit Data	Rated Amps	A	1.1	1.1	1.1
	Static Pressure Range	in. wg	0.1 ~ 0.7	0.1 ~ 0.7	0.1 ~ 0.7
	Filter Rack Size	in	16 x 20 x 1	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	44/41/39
	Dimensions (WxHxD)	in	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4	18 x 48-11/16 x 21-1/4
	Weight (Net/Shipping)	lbs	124/136	124/136	129/140
Piping[5]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	1/2	1/2	5/8
	Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	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

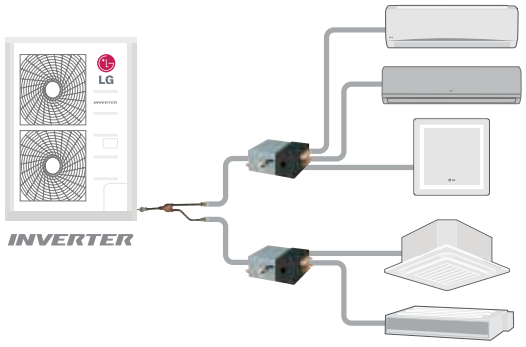
Accessory Lineup

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	Ports A ~ C: 24,000, Port D: 36,000
	Sum of Ports	Btu/h	48,000	48,000	73,000	73,000
Connectable Indoor Units[1]			1 ~ 2	1 ~ 3	1 ~ 4	1 ~ 4
Operating Range	°F DB		0 ~ 150	0 ~ 150	0 ~ 150	0 ~ 150
Power	Voltage		Powered by ODU	Powered by ODU	Powered by ODU	Powered by ODU
	Power / Communication Wiring[2]	No. x AWG	16	24	32	32
Rated Amps	A		0.08	0.12	0.16	0.16
Dimensions	WxHxD	inch	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32
Weight	Net	lbs	13	15	16	16
	Shipping	lbs	15	17	18	18
Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8	3/8
	Vapor	in	3/4	3/4	3/4	3/4
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)	Ports A ~ C: 1/4 Port D: 1/4
	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)	Ports A ~ C: 3/8 Port D: 1/2
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2	49.2
Max Pipe Elevation	BD Box to IDU	ft	32.8	32.8	32.8	32.8
	BD Box to BD Box	ft	49.2	49.2	49.2	49.2

Note :

1. Branch Distribution Unit should be installed indoors.
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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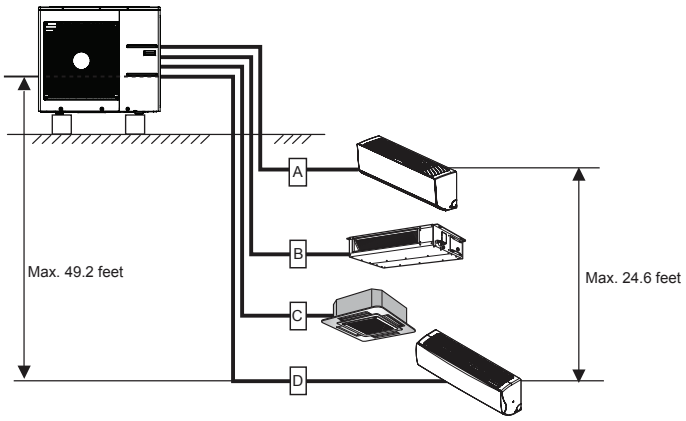
MULTI F PIPING SUMMARY

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: LMU36CHV outdoor unit with four (4) indoor units connected.

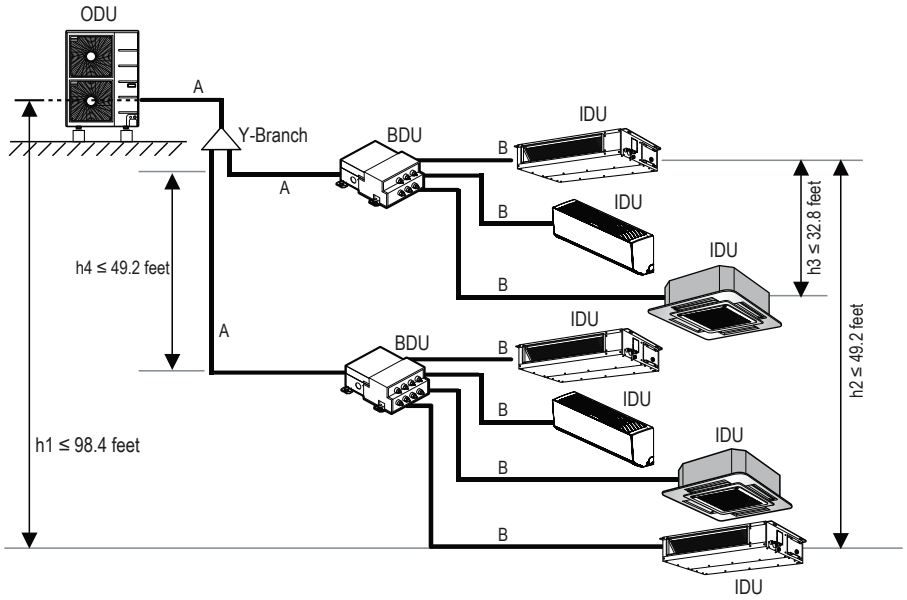
Model Number	Min Length Each Pipe (ft.)	Maximum Piping Length to each IDU (ft.)				Max. Total Piping Length for Each System (ft.)
		A	B	C	D	
LMU180HV	10	82	82	-	-	164
LMU240HV	10	82	82	82	-	246.1
LMU30CHV	10	82	82	82	82	246.1
LMU36CHV	10	82	82	82	82	246.1



Multi F MAX System

Example: LMU540HV outdoor unit with seven (7) indoor units, and two (2) branch distribution units connected.
A, B, C, D: Pipes from Outdoor Unit to Indoor Unit

Pipe Length (ELF = Equivalent Length of pipe in Feet)	Total System Pipe Length (ΣA + ΣB)		≤475.7 feet
	Main pipe (Outdoor Unit to Branch Distribution Units: ΣA)	Minimum per segment	10 feet
		Maximum	≤180.4 feet
	Total Branch Pipe Length (ΣB)		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: ΣB)	Minimum	10 feet
		Maximum	≤49.2 feet
Elevation Differential (All Elevation Limitations are Measured in Actual Feet)	If outdoor unit is above or below indoor unit (h1)		≤98.4 feet
	Between the farthest two indoor units (h2)		≤49.2 feet
	Between branch distribution unit and farthest connected indoor unit(s) (h3)		≤32.8 feet
	Between branch distribution units (h4)		≤49.2 feet



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

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

CONTROLS

Individual Control


PREMTC00U


PWLSSB21H


PREMTB100


PREMTA000


PREMTBVC2
PREMTBVC3
PREMTBVC4


PREMTA200

Model	Description
PREMTC00U	Simple Wired Remote Controller
PREMTB100	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


ZVRCZDWS1


ZVRCZWOC1


ZVRCZCOC1

Model	Description
ZVRCZPWC2	ZigBee Pro Wireless Card
VCM8002V504	WiFi Card
ZVRCZDWC1	Door & Window Switch
ZVRCZWOC1	Occupancy Sensor, Wall Mounted
ZVRCZMTH1	Motion, Temp, RH Sensor (Ceiling Mounted)
SEDCO2G5045	Wireless Temp, RH, CO2 Sensor
ZVRCZTRH1	Wireless Temp, RH Sensor
ZVRCZWLS1	Water Leak Sensor

Integration Devices


PMNFP14A1


PDRYCB100
PDRYCB320
PDRYCB400


PZCWRC1
PZCWRCG3


PACP5A000


PACS5A000

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
PZCWRCG3	Group Control Cable Kit
PZCWRC1	32.8' Wired Remote Extension Cable
ZRTBS01	Button Sensor
PMNFP14A1	PI-485 for ODU

ACCESSORIES

Indoor Accessories


PWFMDD200


PRARH1
PRARS1


PT-AAGW0


PT-QCHW0


PTVK410


PTVK420


PTVK430


ANEH***B1
ANEH***B2

Type	Model	Description	Used with
Wi-Fi Module	PWFMDD200	Module that allows wifi connection to LG ThinQ® App	See Controls Compatibility Table
Aux Heater Relay Kit	PRARH1	Aux Heater Relay kit for CST, Consoles and Ducted IDUs	See Controls Compatibility Table
	PRARS1	Aux Heater Relay kit for Wall Mounted	See Controls Compatibility Table
Dual Vane Cassette Grille & Accessories	PT-AAGW0	4-Way Ceiling Cassette Dual Vane Grille	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
	PTAHMP0	Air Purification Kit	LCN**9HV
	PTFSMA0	Floor Temperature Sensor	LCN**9HV
	PTVSAA0	Human Detection Sensor	LCN**9HV
Cassette Grille	PT-QCHW0	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

Outdoor Accessories


Low Ambient Control Kit


Base Pan Heater


Wind Baffle

Category	Model	Description	Used with
Low Ambient Control Kit / Wind Baffles	PQCAO	Low Ambient Control Kit	All Non-LGRED Single and Multi Split Units
	PAG-HS0 / PAG-HS1	Front / Side / Rear Wind Baffles	LAU090HYV3 / LAU120HYV3 / LMU180HV / LMU240HV / LMU183HV / LMU243HV
	PAG-HS0 / PAG-HS3	Front / Side / Rear Wind Baffles	LSU090HSV5 / LSU120HSV5 / LUU097HV / LUU127HV
	PAG-HS2 / PAG-HS8	Front / Side / Rear Wind Baffles	LSU180HSV5 / LSU181HSV5
	PAG-HS4 / PAG-HS5	Front / Side / Rear Wind Baffles	LUU369HV / LUU428HV / LUU488HV / LUU360HHV / LUU420HHV / LUU480HHV / LMU481HV / LMU541HV / LMU601HV / LMU361HHV / LMU421HHV / LMU481HHV
	PAG-HS6 / PAG-HS7	Front / Side / Rear Wind Baffles	LAU150HYV3 / LAU180HYV3 / LAU240HYV3 / LSU243HLV3 / LSU303HLV3 / LSU363HLV3 / LUU189HV / LUU249HV / LMU36CHV / LMU303HV / LMU363HV / LUU180HHV / LUU240HHV / LMU30CHV / LMU180HHV / LMU240HHV / LMU300HHV
Drain Pan Heater	PQSH1200	Drain Pan Heater	LMU30CHV / LMU36CHV / LMU303HV / LMU363HV / LMU481HV / LMU541HV / LMU601HV / LUU189HV / LUU249HV / LUU369HV / LUU428HV / LUU488HV
	PQSH1201	Drain Pan Heater	LSU180HSV5
	PQSH1202	Drain Pan Heater	LUU097HV / LUU127HV
	PQSH1203	Drain Pan Heater	LMU180HV / LMU240HV / LMU183HV / LMU243HV

CONTROLS AND ACCESSORIES COMPATIBILITY

Indoor Accessories


PWFMDD200


PREMTBVC2
PREMTBVC3
PREMTBVC4


PREMTC00U


PREMTB100


PREMTA200


PDRYCB100
PDRYCB400
PDRYCB320


ZRTBS01


PZCWRCG3
PZCWRC1


PRARH1
PRARS1

Single Zone		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	PREMTB100	PREMTA000	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH1 PRARS1
ARTCOOL® Prestige	LAN***HYV3	Built-in	O	O	O	O	O	O	X	X	O	O
ARTCOOL® Mirror	LAN***HSV5	Built-in	O	O	O	O	O	O	X	X	O	O
DUALCOOL®	LSN***HSV5	Built-in	O	O	O	O	O	O	X	X	O	O
Extended Pipe	LSN***HLV3	Built-in	O	O	O	O	O	O	X	X	O	O
Console	LQN***HV4	O	O	O	O	O	O	O	O	O	O	O
Cassette	LCN***HV4	O	O	O	O	O	O	O	O	O	O	O
	LCN**9HV	O	O	O	O	O	O	O	O	O	O	O
Low Static Ducted	LDN**7HV4	O	O	O	O	O	O	O	O	O	O	O
High Static Ducted	LHN**8HV	O	O	O	O	O	O	O	O	O	O	O
VAHU	LVN**1HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN360HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN**0HV	O	O	O	O	O	O	O	O	O	O	O

Multi-Zone		Wi-Fi Module	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	PREMTB100	PREMTA000	PREMTA200	PDRYCB100 PDRYCB320 PDRYCB400	ZRTBS01	PZCWRCG3	PZCWRC1	PRARH1 PRARS1
ARTCOOL® Mirror	LAN***HSV5	Built-in	O	O	O	O	O	O	X	O	O	O
DUALCOOL®	LMN**9HVT	Built-in	O	O	O	O	O	O	X	O	O	O
	LSN***HSV5	Built-in	O	O	O	O	O	O	X	O	O	O
Console	LQN***HV4	O	O	O	O	O	O	O	O	O	O	O
	LMQN**0HV	O	O	O	O	O	O	O	O	O	O	O
Cassette	LMCN**8HV	O	O	O	O	O	O	O	O	O	O	O
	LCN**8HV4	O	O	O	O	O	O	O	O	O	O	O
Low Static Ducted	LDN**7HV4	O	O	O	O	O	O	O	O	O	O	O
High Static Ducted	LHN**8HV	O	O	O	O	O	O	O	O	O	O	O
VAHU	LVN**1HV4	O	O	O	O	O	O	O	O	O	O	O
	LVN360HV4	O	O	O	O	O	O	O	O	O	O	O

Note:
"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable.
Some IDUs have a control wire terminal block to connect a wired controller with field-supplied control cable instead of the LG control cable (with Molex connection). See IDU engineering manual or installation manual for details.
1. 9/12kBtu production starting July 2019; 18/24kBtu production starting Jan 22, 2020
2. Emergency Heat function is not available with Aux Heat Relay Kit.
3. LG is committed to expanding Wi-Fi Module compatibility throughout our products. For the most updated Wi-Fi Module compatibility chart, please visit www.lg-dfs.com
Due to our commitment to continued innovation, some specifications may be changed without notification.

CONTROLS AND ACCESSORIES COMPATIBILITY

Outdoor Accessories & Service Accessories


PMNFP14A1


PACS5A000


PACP5A000


PLGMVW100

Single Zone		PI485 for ODU	AC Smart 5	ACP5	Mobile LGMV	LGMV Service Tool	Low Ambient Control Kit
		PMNFP14A1	PACS5A000	PACP5A000	PLGMVW100	PRCTIL0	PQCA0
ARTCOOL® Prestige	LAU***HYV3	O	O	O	O	O	X
ARTCOOL® Mirror / DUALCOOL®	LSU***HSV5	O	O	O	O	O	O
Extended Pipe	LSU***HLV3	O	O	O	O	O	O
Universal ODU	LUU**7HV	O	O	O	O	O	O
	LUU**9HV	O	O	O	O	O	O
VAHU ODU	LUU**8HV	O	O	O	O	O	O
Single Split LGRED	LUU**0HHV	O	O	O	O	O	X
Multi-Zone		PI485 for ODU	AC Smart 5	ACP5	Mobile LGMV	LGMV Service Tool	Low Ambient Control Kit
		PMNFP14A1	PACS5A000	PACP5A000	PLGMVW100	PRCTIL0	PQCA0
Multi F	LMU**0HV	O	O	O	O	O	O
	LMU**CHV	O	O	O	O	O	O
Multi F Max	LMU**1HV	O	O	O	O	O	O
Multi F LGRED	LMU**0HHV	O	O	O	O	O	X
Multi F Max LGRED	LMU**1HHV	O	O	O	O	O	X
	LMU480HHV	O	O	O	O	O	X

Note:
"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable
1. Mobile LGMV consists of the wifi module with connecting cable (PLGMVW100) and the LGMV App running on an Android device (smartphone or table).
Due to our commitment to continued innovation, some specifications may be changed without notification.

ENERGY STAR® SYSTEMS

Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER2	SEER2	HSPF2 IV	HSPF2 V	ENERGY STAR®	Cold Climate ENERGY STAR®
204825177	LAU090HYV3	LAN090HYV3	15.8	27	13.5	11.7	★	★
204825178	LAU120HYV3	LAN120HYV3	13.8	25.5	11.2	8.3	★	★
204825179	LAU150HYV3	LAN150HYV3	15	25	11	8.2	★	★
204825180	LAU180HYV3	LAN180HYV3	14.4	24	10.8	8	★	★
204825181	LAU240HYV3	LAN240HYV3	13	23	10	7.8	★	★
10567393	LSU090HSV5	LAN090HSV5	14.5	23.2	10.2	7.6	★	★
10570122	LSU120HSV5	LAN120HSV5	12.5	22	10	7.5	★	
10567390	LSU180HSV5	LAN180HSV5	12.55	22	9.5	7.8	★	★
207462345	LSU181HSV5	LAN181HSV5	12.55	22	9.5	7.8	★	★
10567394	LSU090HSV5	LSN090HSV5	14.5	23.2	10.2	7.6	★	★
10570123	LSU120HSV5	LSN120HSV5	12.5	22	10	7.5	★	
10567391	LSU180HSV5	LSN180HSV5	12.55	22	9.5	7.8	★	★
207348503	LSU181HSV5	LSN181HSV5	12.55	22	9.5	7.8	★	★
204825182	LSU243HLV3	LSN243HLV3	13	22	9.5	7.6	★	
204825183	LSU303HLV3	LSN303HLV3	11.3	20.5	7.9	6.3		
204825184	LSU363HLV3	LSN363HLV3	10	19	7.9	6		
205049408	LUU097HV	LQN090HV4	12.6	21	10.4	8.7	★	★
205049407	LUU127HV	LQN120HV4	12.6	20.8	10.2	8.8	★	★
203381526	LUU097HV	LCN098HV4	13.65	20.2	10.55	8.7	★	★
203381517	LUU127HV	LCN128HV4	12.6	19.4	10.35	8.2	★	★
202177384	LUU189HV	LCN188HV4	12.5	20.5	9.7	7.75	★	★
205788763	LUU180HHV	LCN188HV4	12.8	20	9.4	7.45	★	★
205788764	LUU240HHV	LCN249HV	12.6	21	10.2	8.25	★	★
205788768	LUU360HHV	LCN369HV	12.6	21.5	10.55	8.35	★	★
205788765	LUU420HHV	LCN429HV	12.8	19.5	10.75	8.3	★	★
205788771	LUU480HHV	LCN489HV	12.5	17.5	10.65	8.15	★	★
203161353	LUU249HV	LHN248HV4	11.7	16.85	9	7.3	★	★
203161354	LUU369HV	LHN368HV	11.85	18.85	9.2	7.3	★	★
205788767	LUU240HHV	LHN248HV	12	16.75	9.4	8	★	★
205788769	LUU360HHV	LHN368HV	12	18.3	9.2	7.3	★	★
205788770	LUU420HHV	LHN428HV	12.05	18.7	9.15	7.45	★	★
205788772	LUU480HHV	LH488HHV	11.7	17.7	9.4	7.5	★	★
203161351	LUU189HV	LVN181HV4	12.3	17.25	9.25	7.75		★
203161352	LUU249HV	LVN241HV4	11.45	17.6	9.7	7.9		★
203162003	LUU369HV	LVN361HV4	11	16.25	8.95	7.05		★
10400575	LUU428HV	LVN420HV	10.75	17.2	9.35	7.65		★
10401183	LUU488HV	LVN480HV	9.8	16.8	9.2	7.4		★
205788774	LUU180HHV	LVN181HV4	13.35	17.05	8.9	7.2	★	★
205788775	LUU240HHV	LVN241HV4	11.9	16.45	9.25	7.60	★	★
205788773	LUU360HHV	LVN361HV4	11.95	16.4	9.3	7.50	★	★
205788776	LUU420HHV	LVN420HV	12	17.3	9.45	7.75	★	★
205788777	LUU480HHV	LVN480HHV	11.95	17.75	9.4	7.60	★	★
205788776	LUU420HHV	LVN420HV	12.5	19.6	11		★	★
205788777	LUU480HHV	LVN480HHV	12.5	19	10.5		★	★

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER2	SEER2	HSPF2 IV	HSPF2 V	ENERGY STAR®	Cold Climate ENERGY STAR®
208131884	LMU183HV	Non-Ducted	13.5	22.5	9.6	7.8	★	
208132537	LMU183HV	Mixed	13	20.5	9.3	7.65	★	
208131885	LMU183HV	Ducted	12.5	18.5	9	7.5	★	
208131886	LMU243HV	Non-Ducted	12.5	22.5	9.4	7.2	★	
208132538	LMU243HV	Mixed	12.5	20.5	9.2	7.2	★	
208131887	LMU243HV	Ducted	12.5	18.5	9	7.2	★	
208131888	LMU303HV	Non-Ducted	13	22	9.2	7.1	★	
208132538	LMU303HV	Mixed	12.5	20.25	9	7.05	★	
208131889	LMU303HV	Ducted	12	18.5	8.8	7	★	
208131890	LMU363HV	Non-Ducted	12.5	21.5	9	7	★	
208132540	LMU363HV	Mixed	12.1	19.75	8.8	6.95	★	
208131891	LMU363HV	Ducted	11.7	18	8.6	6.9	★	
206716999	LMU481HV	Non-Ducted	12.8	20.8	9.5	7.3	★	
206717010	LMU481HV	Mixed	12.7	19.9	9.5	7.3	★	
206717004	LMU481HV	Ducted	12.6	19	9.5	7.3	★	
206717000	LMU541HV	Non-Ducted	12.6	20.6	9.3	7.2	★	
206717011	LMU541HV	Mixed	12.55	19.55	9.3	7.2	★	
206717005	LMU541HV	Ducted	12.5	18.5	9.3	7.2	★	
206717015	LMU601HV	Non-Ducted	11.3	20.5	10	7.6		★
206717016	LMU601HV	Mixed	11.15	19.5	9.75	7.5		★
206717003	LMU601HV	Ducted	11	18.5	9.5	7.4		★
10445372	LMU180HHV	Non-Ducted	13.5	21	9.2	7.8	★	★
10516996	LMU180HHV	Mixed	12.75	19.25	8.9	7.6	★	★
10445373	LMU180HHV	Ducted	12	17.5	8.6	7.4	★	★
10445374	LMU240HHV	Non-Ducted	13.5	21	9.8	7.8	★	★
10516997	LMU240HHV	Mixed	12.9	19	9.5	7.7	★	★
10445375	LMU240HHV	Ducted	11.7	17	9.2	7.6	★	★
10445376	LMU300HHV	Non-Ducted	12.5	20	9.8	7.3	★	★
10525928	LMU300HHV	Mixed	12.1	18.75	9.5	7.3	★	★
10445377	LMU300HHV	Ducted	11.7	17.5	9.2	7.3	★	★
206717007	LMU361HHV	Non-Ducted	14.5	22	11	9	★	★
206717012	LMU361HHV	Mixed	14	20.5	10.5	8.65	★	★
206717006	LMU361HHV	Ducted	13.5	19	10	8.3	★	★
206717001	LMU421HHV	Non-Ducted	13.8	21.5	11	8.7	★	★
206717013	LMU421HHV	Mixed	13.45	20.25	10.5	8.25	★	★
206717008	LMU421HHV	Ducted	13.1	19	10	7.8	★	★
206717002	LMU480HHV	Non-Ducted	13.1	20.5	10.5	8.4	★	★
206717014	LMU480HHV	Mixed	12.85	19.5	10.25	8.25	★	★
206717009	LMU480HHV	Ducted	12.6	18.5	10	8.1	★	★

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

MULTI-ZONE SYSTEMS – INDOOR/OUTDOOR[1]

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

Brand	**L** LG	
Family	**M** Multi-Zone	
Product	**AN** ARTCOOL® Wall Mounted Indoor Unit **CN** Four-Way Ceiling-Cassette Indoor Unit **DN** Ceiling-Concealed Duct (Low Static) Indoor Unit **HN** Ceiling-Concealed Duct (High Static) Indoor Unit	**N** Standard Wall Mounted Indoor Unit **VN** Vertical-Horizontal Air Handling Indoor Unit **U** Outdoor Unit **QN** Console
Nominal Capacity	**07** 7,000 **09** 9,000 **12** 12,000 **15** 15,000 **18** 18,000 **24** 24,000	**30** 30,000 **36** 36,000 **42** 42,000 **48** 48,000 **54** 54,000 **60** 60,000
Generation	**0~5~6~7~8~9~C**	
Cycle/Type	**HV** Inverter Heat Pump	**HHV** High Heat (LGRED°) Inverter Heat Pump
Style	**P** ARTCOOL® Gallery IDU	**T** High Wall IDU

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

NOTES

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For Limited Registered Warranty, the product needs to be registered within 60 days of startup at www.lg.ca

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