Residential & Light Commercial HVAC Solutions

2020 LG Canada
Engineering and Specifications Guide

LG
Life's Good

www.lgdfs.ca

ABOUT LG

About LG Electronics Canada

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

LG Electronics Canada Air Conditioning Technologies

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

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

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

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

Our Commitment to You:

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

TRAINING With LG training academy in Toronto Ontario, LG makes it easy to learn about LG systems and product applications.

PERFORMANCE LG makes a wide range of duct-free products with powerful cooling and heating capabilities while maintaining high energy efficiencies, quiet operation, 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.

R1 SCROLL COMPRESSOR

Description	Indoor Unit	Outdoor Unit
Ceiling Mounted Cassette 36K	LCN368HV	LUU369HV
Ceiling Mounted Cassette 42K	LCN428HV	LUU429HV
High Static Ducted 36K	LHN368HV	LUU369HV

Note : R1 Compressor App is required for the QR Code. This App is only available on Android Devices

NOTES

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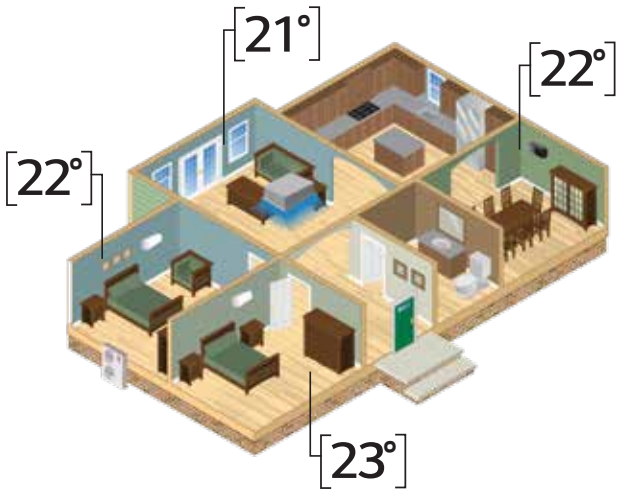
LG ADVANTAGES

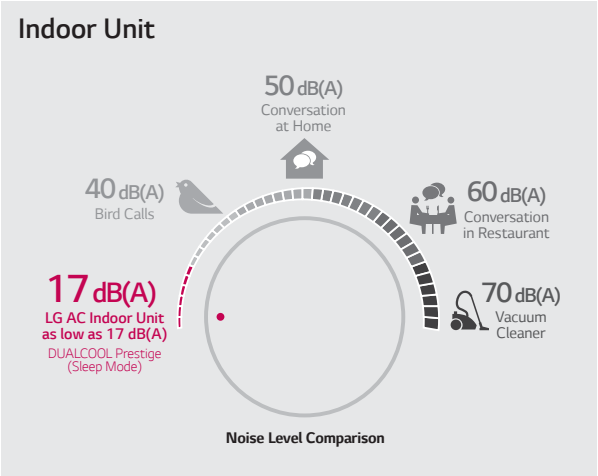
ROOM-BY-ROOM CONTROL

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



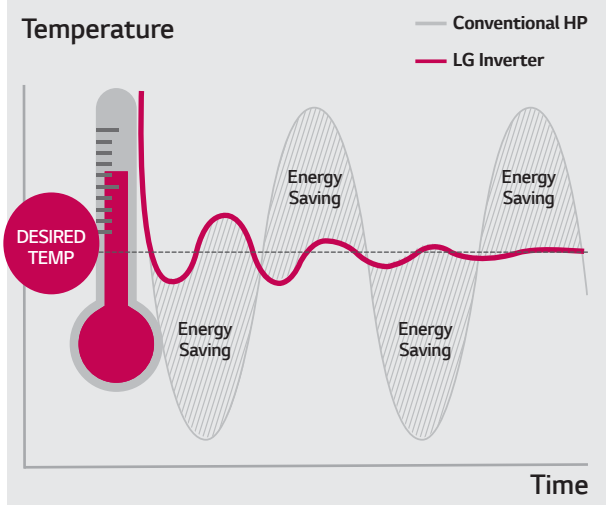
QUIET OPERATION

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



INVERTER TECHNOLOGY

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



LG ADVANTAGES

LG ThinQ™

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

Contractors have always required a diagnostic trip to a site for service. This is no longer required with LG Smart Diagnosis. On select 2020 models, contractors can view simplified LGMV / SIMS data including compressor speed, fan speeds, pipe & air temperatures, expansion valve settings and much more over-the-phone with Android or iOS.

Featured on the following models:
DUALCOOL Prestige (indoor serial numbers beginning "7" or "8")
DUALCOOL LSN**0HSV5
ARTCOOL LAN**0HSV5
DUALCOOL Longpipe LSN**3HLV, LSN**3HLV3

EASY INSTALLATION & NO DUCTWORK

LG duct-free systems are designed for easier and more efficient installation. They require little to no ductwork, and most indoor units can mount on any wall. Installation requires only a small hole to be drilled in the wall. Smaller indoor and outdoor units ensure space-saving convenience. Moreover, long refrigerant piping lengths increase the distance between the indoor and outdoor units, allowing for extra installation and design flexibility.

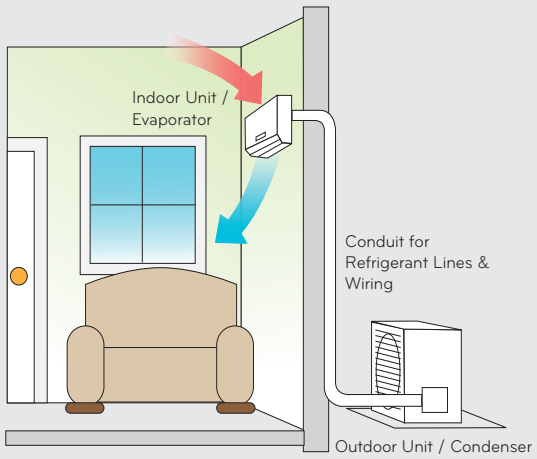


Diagram of a Single Zone System

AIR QUALITY

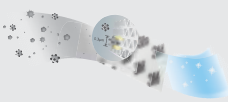
The LG duct-free indoor units utilize 3M Micro Protection Filters which reduce dust and microscopic particles including pollen, pet dander and odors. Additional primary filters are washable and antifungal, reducing life-time operation costs. Indoor units also self-clean the coil to protect against mold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

Self-Cleaning Indoor Coil

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

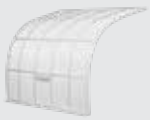
MICRO Dust Filter Powered by 3M Tech

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



Air Filter

This primary filter captures dust size over 10μm.



TRAINING & RECOGNITION

Training

The LG Canada Air Solutions division is headquartered in Toronto, Ontario, along with a full training academy. Since 2013, our academies have trained hundreds on the advantages of LG air conditioning systems. World class trainers with years of experience teach classes in duct-free technology, with topics covering everything from installation to service for the full range of LG heat pump products. 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 SIMS (Smart Inverter Monitoring System)** connects to select outdoor units and allows technicians to troubleshoot accurately by interfacing directly with the unit and following step-by-step troubleshooting guidelines. This is a free smartphone app developed by LG factory engineers.

AHRI Performance Awards

PTAC Award | VRF Award | WCCL Award | USAC Award | USHP Award | ACCL Award

LG's continuous excellence recognized at AHRI performance awards

INSTALLATION BEST PRACTICES

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

System sizing and installation accuracy are key factors for the optimal 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 the U.S. 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 / Phillips
- Micron Gauge
- Vacuum Pump
- High-Quality Multimeter

WARRANTY PAGE

LG
Life's Good

Standard Warranty : 5 Years Parts / 10 Years Compressor

Dualcool Prestige : LAN***HYV3 IDUs / LAU***HYV3 ODU, LAN150HYV2 IDUs / LAU150HYV2 ODUs, LAN***HYV1 IDUs / LAU***HYV1 ODUs
Artcool Mirror : LAN***HSV5 IDUs / LSU***HSV5 ODUs
Dualcool : LSN***HSV5 IDUs / LSU***HSV5 ODUs
Dualcool Longpipe : LSN**3HLV3 IDUs / LSU**3HLV3 ODUs, LSN**3HLV IDUs / LSU**3HLV ODUs

Standard Warranty : 5 Years Parts / 7 Years Compressor

Single Split Indoor Units

Low Static Ducted : LDN**7HV4 IDUs / LUU**7HV ODUs, LDN187HV4 IDU / LUU189HV ODU
High Static Ducted : LHN**8HV IDUs / LUU**9HV ODUs
Ceiling Cassette : LCN098HV4 IDU / LUU097HV ODU, LCN128HV4 IDU / LUU127HV ODU, LCN188HV4 IDU / LUU189HV ODU, LCN248HV IDU / LUU249HV ODU, LCN368HV IDU / LUU369HV ODU, LCN428HV IDU / LUU429HV ODU
Vertical AHU : LVN**1HV4 IDUs / LUU**9HV ODUs, LVN**0HV4 IDUs / LUU**8HV ODUs, LVN**0HV IDUs / LUU**8HV

Multi Split Indoor Units

Dualcool : LSN***HSV5, LMN***HVT
Artcool Mirror : LAN***HSV5
Low Static Ducted : LDN**7HV4
High Static Ducted : LHN**8HV4
Ceiling Cassette : LCN**8HV4, LMCN***HV
Vertical AHU : LVN360HV4, LVN**1HV4
Multi F / Multi F MAX / Multi F HHV / Branch Distribution Units
Multi F HHV ODUs : LMU***HHV
Multi F ODUs : LMU**CHV
Multi F MAX ODUs : LMU***HV
Multi F MAX Branch Distribution Box : PMBD36**

Limited Registered Warranty : 10 Years Parts / 10 Years Compressor

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

NOTES

KEY FEATURES

LGHHV HEAT TECHNOLOGY

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

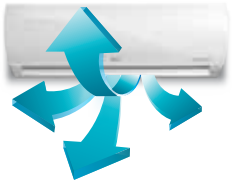
LGHHV
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

DEHUMIDIFYING MODE

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

OPTIMIZED AIRFLOW

Jet Cool / Jet Heat Mode operates the unit at a high speed for up to 30 minutes to quickly cool or heat a room.



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

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

GOLD FIN

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

DEFROST CONTROL

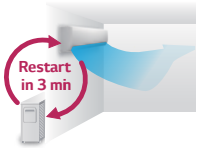
Removes frost from the outdoor coil when ambient outdoor temperatures are low and simultaneously shuts down the indoor fan to prevent cold air from being blown into the controlled space.

AUTO SLEEP MODE

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

AUTO RESTART

Automatically restarts the system after a power failure.



SINGLE ZONE SYSTEMS
Lineup

	Btu/h	9,000	12,000	15,000	18,000	24,000	30,000	36,000	42,000	48,000
	DUALCOOL Prestige	 LA090HYV3	 LA120HYV3	 LA150HYV3	 LA180HYV3	 LA240HYV3				
	ARTCOOL	 LA090HSV5	 LA120HSV5		 LA180HSV5					
	DUALCOOL	 LS090HSV5	 LS120HSV5		 LS180HSV5	LS243HLV3 Long Piping	LS303HLV3 Long Piping	LS363HLV3 Long Piping		
Ceiling Mounted	4-Way Cassette	 LC098HV4	 LC128HV4		 LC188HV4	 LC248HV		 LC368HV	 LC428HV	
Ducted	High Static					 LH248HV4		 LH368HV4		
	Low Static	 LD097HV4	 LD127HV4		 LD187HV4					
	Vertical AHU				 LV181HV4	 LV241HV4		 LV360HV4	 LV420HV	 LV480HV

DUALCOOL PRESTIGE

LA090HYV3
LA120HYV3
LA150HYV3

NEW 2020 MODEL

LG ThinQ

Specification		Unit	LA090HYV3	LA120HYV3	LA150HYV3
	Indoor Unit		LAN090HYV3	LAN120HYV3	LAN150HYV3
	Outdoor Unit		LAU090HYV3	LAU120HYV3	LAU150HYV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	15,000
	Cooling Capacity Range	Btu/h	1,023 ~ 13,000	1,023 ~ 13,785	3,070 ~ 21,000
	Rated Heating Capacity	Btu/h	11,000	13,600	18,000
	Heating Capacity Range	Btu/h	1,023 ~ 20,472	1,023 ~ 22,178	3,070 ~ 25,200
	Max Heating Capacity at -8.3°C	Btu/h	11,940	14,760	21,430
	Max Heating Capacity at -15°C	Btu/h	11,000	13,600	18,950
	Max Heating Capacity at -25°C	Btu/h	8,030	9,640	14,660
	SEER, EER		27.5, 15.79	25.5, 13.79	25.0, 15.00
	HSPF (IV / V)		13.5 / 11.7	12.5 / 10.9	13.5 / 11.7
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.57	0.87	1.00
	Heating Power Input	kW	0.71	0.97	1.13
	MCA, MOCP	A	11.2, 15	11.2, 15	19.0, 25
	Rated Amps Cool/Heat	A	3.0 / 4.0	4.0 / 4.5	7.0 / 8.0
Operating Range	Heating Operation Range	°C WB	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffe[3]		PAG-HS1 / PAG-HS3	PAG-HS1 / PAG-HS3	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	15.5 ~ 30	15.5 ~ 30	15.5 ~ 30
	Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30	17.8 ~ 30
	Setpoint Range Heating	°C	15.5 ~ 30	15.5 ~ 30	15.5 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32	41-23/32 x 14-3/16 x 10-7/16
	ODU Dimensions (WxHxD)	in	34-1/4 x 25-19/32 x 13	34-1/4 x 25-19/32 x 13	37-13/17 x 32-3/4 x 13
Weight	IDU Weight (Net/Shipping)	lbs	25.1 / 29.5	25.1 / 29.5	37.7 / 45.6
	ODU Weight (Net/Shipping)	lbs	93.9 / 103.2	93.9 / 103.2	135.4 / 147.7
Unit Data	Airflow (Max/H/M/L)[3]	CFM	530/424/353/184	530/424/353/184	813/601/495/389
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[4]	Indoor (H/M/L/SL)	dB(A)	42/36/26/22	42/36/26/22	49/44/40/30
	Outdoor Rated	dB(A)	50	50	56
Piping[5]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	6.6/65.6	6.6/65.6	9.8/98.4
	Max Pipe Elevation	ft	32.8	32.8	65.6
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 years parts, 10 years compressor		

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. Airflow shown is in cooling mode.
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.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.
7. Prestige models are not compatible with low ambient kit

DUALCOOL PRESTIGE

LA180HYV3
LA240HYV3

NEW 2020 MODEL

LG ThinQ

Specification		Unit	LA180HYV3	LA240HYV3
	Indoor Unit		LAN180HYV3	LAN240HYV3
	Outdoor Unit		LAU180HYV3	LAU240HYV3
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,200	22,000
	Cooling Capacity Range	Btu/h	3,070 ~ 29,515	3,070 ~ 30,000
	Rated Heating Capacity	Btu/h	21,600	26,000
	Heating Capacity Range	Btu/h	3,070 ~ 32,000	3,070 ~ 36,000
	Max Heating Capacity at -8.3°C	Btu/h	24,920	27,360
	Max Heating Capacity at -15°C	Btu/h	21,600	23,700
	Max Heating Capacity at -25°C	Btu/h	15,680	17,740
	SEER, EER		24.0, 14.40	22.5, 13.00
	HSPF (IV / V)		13 / 11.3	12.5 / 10.9
Power	Voltage (IDU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60
	Voltage (ODU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60
	Cooling Power Input	kW	1.25	1.69
	Heating Power Input	kW	1.54	2.08
	MCA, MOCP	A	19, 30	19, 30
	Rated Amps Cool/Heat	A	6 / 7	8 / 10
Operating Range	Heating Operation Range	°C WB	-25 ~ 18.3	-25 ~ 18.3
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[3]		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C DB	15.5 ~ 30	15.5 ~ 30
	Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30
	Setpoint Range Heating	°C	15.5 ~ 30	15.5 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	41-23/32 x 14-3/16 x 10-7/16	41-23/32 x 14-3/16 x 10-7/16
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-3/4 x 13	37-13/32 x 32-3/4 x 13
Weight	IDU Weight (Net/Shipping)	lbs	37.7 / 45.6	37.7 / 45.6
	ODU Weight (Net/Shipping)	lbs	135.4/147.7	135.4/147.7
Unit Data	Airflow (Max/H/M/L)[3]	CFM	813/601/495/385	813/601/495/385
	Compressor Type		Twin Rotary	Twin Rotary
	Refrigerant Type		R-410A	R-410A
Sound Pressure[4]	Indoor (H/M/L/SL)	dB(A)	49/44/40/30	49/44/40/30
	Outdoor Max	dB(A)	56	56
Piping[5]	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	5/8	5/8
	Pipe Length (Min/Max)	ft	9.8/98.4	9.8/98.4
	Max Pipe Elevation	ft	65.6	65.6
	Precharge Pipe Length	ft	24.6	24.6
	Additional Refrigerant	oz/ft	0.38	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty	5 years parts, 10 years compressor			

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. Airflow shown is in cooling mode.
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5. Piping lengths are equivalent.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.
7. Prestige models are not compatible with low ambient kit

ARTCOOL

LA090HSV5
LA120HSV5
LA180HSV5

LG ThinQ

Specification		Unit	LA090HSV5	LA120HSV5	LA180HSV5
	Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF (IV / V)		11.3 / 9.8	11.4 / 9.9	10.2 / 8.8
Power	Voltage (IDU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Rated Amps (Cool/Heat)	A	7.4/7.4	7.4/7.4	9.85/9.85
Operation Range	Heating Operation Range	°C WB	-20 ~ 18	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	°C DB	-10[-40[3]]~ 48	-10[-40[3]]~ 48	-10[-40[3]]~ 48
	Optional Wind Baffle		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C	12 ~ 24	12 ~ 24	12 ~ 24
	IDU Operation Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 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	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (Max/H/M/L)[4]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[5]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
	Outdoor Max	dB(A)	48	48	53
Piping[6]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 years parts, 10 years compressor		

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. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

DUALCOOL

LG ThinQ

LS090HSV5
LS120HSV5
LS180HSV5

Specification		Unit	LS090HSV5	LS120HSV5	LS180HSV5
	Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity1,2	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF (IV / V)		11.3 / 9.8	11.4 / 9.9	10.2 / 8.8
Power	Voltage (IDU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Rated Amps (Cool/Heat)	A	7.4/7.4	7.4/7.4	9.85/9.85
Operation Range	Heating Operation Range	°C WB	-20 ~ 18	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	°C DB	-10[-40[3]]~ 48	-10[-40[3]]~ 48	-10[-40[3]]~ 48
	Optional Wind Baffle		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C	12 ~ 24	12 ~ 24	12 ~ 24
	IDU Operation Range Heating	°C	16 ~ 30	16 ~ 30	16 ~ 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	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (Max/H/M/L)[4]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[5]	Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
	Outdoor Max	dB(A)	48	48	53
Piping[6]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty:			5 years parts, 10 years compressor		

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. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

DUALCOOL Long Piping

NEW 2020 MODEL

LS243HLV3
LS303HLV3
LS363HLV3

LG ThinQ

Specification		Unit	LS243HLV3	LS303HLV3	LS363HLV3
	Indoor Unit Outdoor Unit		LSN243HLV3 LSU243HLV3	LSN303HLV3 LSU303HLV3	LSN363HLV3 LSU363HLV3
Capacity	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	32,500	35,200
	Heating Capacity Range	Btu/h	3,070 ~ 36,200	3,070 ~ 38,900	3,070 ~ 38,900
	Max Heating Capacity at -8.3°C	Btu/h	27,360	32,500	35,740
	Max Heating Capacity at -15°C	Btu/h	23,700	28,080	30,890
	Max Heating Capacity at 20°C	Btu/h	21,170	24,390	26,820
	SEER, EER		21.5, 13.0	20.0, 11.3	18.5, 10.0
	HSPF (IV / V)		12.0 / 10.4	11.5 / 10.0	11.0 / 9.6
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.69	2.66	3.30
	Heating Power Input	kW	2.08	2.75	3.12
	MCA, MOCP	A	19, 30	23, 30	23, 30
	Rated Amps Cool/Heat	A	8.0 / 10.0	12.0 / 13.0	15.0 / 14.0
Operating Range	Heating Operation Range	°C WB	-20 - 18.3	-20 - 18.3	-20 - 18.3
	Cooling Operation Range	°C DB	-10[-40[3]] ~ 47.8	-10[-40[3]] ~ 47.8	-10[-40[3]] ~ 47.8
	Optional Wind Baffle[3]		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	15.5 ~ 30	15.5 ~ 30	15.5 ~ 30
	Setpoint Range Cooling	°C	17.8 ~ 30	17.8 ~ 30	17.8 ~ 30
	Setpoint Range Heating	°C	15.5 ~ 30	15.5 ~ 30	15.5 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	41-23/32 x 14-3/16 x 10/-7/16	47-1/4 x 14-3/16 x 10-7/16	47-1/4 x 14-3/16 x 10-7/16
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-3/4 x 13	37-13/32 x 32-3/7 x 13	37-13/32 x 32-3/4 x 13
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)[4]	CFM	813/601/495/389	1095/883/742/601	1095/883/742/601
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[5]	Indoor (H/M/L/SL)	dB(A)	49/44/40/30	51/47/43/33	51/47/43/33
	Outdoor Max	dB(A)	55	55	55
Piping[6]	Liquid Pipe	in	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	9.84/164	9.84/164	9.84/164
	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	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 years parts, 10 years compressor		

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. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

4-WAY CASSETTE

LG ThinQ

LC098HV4
LC128HV4
LC188HV4

LC248HV
LC368HV
LC428HV

Specification		Unit	LC098HV4	LC128HV4	LC188HV4	LC248HV	LC368HV	LC428HV
	Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4	LCN248HV	LCN368HV	LCN428HV
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV	LUU249HV	LUU369HV	LUU429HV
Capacity	Rated Cooling Capacity	Btu/h	9,000	11,100	18,000	24,000	36,000	42,000
	Cooling Capacity Range	Btu/h	3,600 ~ 9,900	3,400 ~ 12,400	7,700 ~ 24,800	9,600 ~ 28,000	14,000 ~ 42,000	16,800 ~ 48,700
	Rated Heating Capacity	Btu/h	11,000	14,000	18,500	27,000	40,000	47,000
	Heating Capacity Range	Btu/h	4,400 ~ 12,100	2,800 ~ 15,500	6,500 ~ 23,400	10,800 ~ 30,000	16,000 ~ 42,200	18,800 ~ 49,800
	Max Heating Capacity at -8.3°C	Btu/h	9,350	11,900	17,000	26,000	38,000	41,500
	Max Heating Capacity at -15°C	Btu/h	8,250	10,500	15,000	23,600	35,000	40,000
	Max Heating Capacity at -20°C	Btu/h	7,040	8,960	13,000	20,760	31450	38,230
	SEER, EER		20.2, 13.65	19.4,12.6	20.5, 12.5	20.0, 12.6	19.0, 12.5	17.8, 10.3
	HSPF (IV / V)		10.5 / 9.1	10.4 / 9.0	10 / 8.7	10.5 / 9.1	9.5 / 8.2	9.0 / 7.8
Power	Voltage (IDU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.66	0.88	1.44	1.9	2.88	4.07
	Heating Power Input	kW	0.83	1.19	1.95	2.3	3.2	4.09
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30	20, 30	32, 40	32, 40
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.1/15.1	15.7/15.7	26.3 / 26.3	26.3 / 26.3
Operating Range	Heating Operation Range	°C WB	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	°C DB	-18[-40[3]]~ 48	-18[-40[3]]~ 48	-18[-40[3]]~ 48 -	15[-40[3]]~ 48	-15[-40[3]]~ 48	-15[-40[3]]~ 48
	Optional Wind Baffle[3]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	14 ~ 25	14 ~ 25	14 ~ 25	14 ~ 25	14 ~ 25	14 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27	15 ~ 27	15 ~ 27	15 ~ 27	15 ~ 27	15 ~ 27
	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	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	37-13/32 x 8 x 37-13/32	37-13/32 x 11-5/16 x 37-13/32	37-13/32 x 11-5/16 x 37-13/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-15/32 x 11-11/32	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	31/37	31/37	31.5 / 40.0	47.2 / 57.3	54.2 / 68.3	54.2 / 68.3
	ODU Weight (Net/Shipping)	lbs	82/89	82/89	127.8 / 140.0	130.0 / 143.3	198.9 / 223.1	198.9 / 223.1
Unit Data	Airflow (H/M/L)[4]	CFM	300/265/230	335/283/247	460/424/388	600/530/459	1,059 / 883 / 706	1,165 / 989 / 777
	Dehumidification	pts/hr	1.60	2.47	3.3	4.5	7.6	10.1
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	R1 Hybrid Scroll	R1 Hybrid Scroll
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure[5]	Indoor (H/M/L)	dB(A)	36/33/30	38/35/32	41/39/36	38/36/34	46 / 43 / 40	47 / 44 / 41
	Outdoor Max	dB(A)	51	52	52	52	54	54
Piping[6]	Liquid Pipe	in	1/4	1/4	3/8	3/8	3/8	3/8
	Vapor Pipe	in	3/8	3/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	9.8/66	9.8/66	6.6/164	6.6/164	6.6 / 264	6.6/264
	Max Pipe Elevation	ft	49.2	49.2	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	1.25, 1	1.25, 1	1.25/1	1.25/1	1.25/1	1.25/1
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Accessories	Grille		PT-QCHW0/PT-UQC	PT-QCHW0/PT-UQC	PT-QCHW0/PT-UQC	PT-UMC1	PT-UMC1	PT-UMC1
	Grille Weight (Net/Shipping)	lbs	7/9	7/9	7/9	14 / 21	14 / 21	14 / 21
Standard Warranty:			5 years parts, 7 years compressor					

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

HIGH STATIC DUCTED

LG ThinQ

LH248HV4
LH368HV4

Specification		Unit	LH248HV4	LH368HV4
	Indoor Unit		LHN248HV	LHN368HV
	Outdoor Unit		LUU249HV	LUU369HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	24,000	36,000
	Cooling Capacity Range	Btu/h	9,600 ~ 27,000	14,400 ~ 41,400
	Rated Heating Capacity	Btu/h	27,000	40,000
	Heating Capacity Range	Btu/h	10,800 ~ 30,000	16,000 ~ 42,200
	Max Heating Capacity at -8.3°C	Btu/h	26,000	41,500
	Max Heating Capacity at -15°C	Btu/h	23,600	35,000
	Max Heating Capacity at -20°C	Btu/h	20,760	27,310
	SEER, EER		19.0, 12.0	19, 12.1
	HSPF (IV / V)		10.5 / 9.1	9.7 / 8.4
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	2.00	2.98
	Heating Power Input	kW	2.08	3.08
	MCA, MOCP	A	20, 30	32, 40
	Rated Amps Cool/Heat	A	16.7 / 16.7	27.5 / 27.5
Operating Range	Heating Operation Range	°C WB	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	°C DB	-15[-40[3]]~ 48	-15[-40[3]]~ 48
	Optional Wind Baffle		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	14 ~ 25	14 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27	15 ~ 27
	Setpoint Range Cooling	°C	18 ~ 30	18 ~ 30
	Setpoint Range Heating	°C	16 ~ 30	16 ~ 30
Dimensions	IDU Dimensions (WxHxD)	in	35-1/2 x 10-11/16 x 27-9/16	49-9/32 x 10-11/16 x 27-9/16
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	58.6 / 71.9	85.3 / 99.4
	ODU Weight (Net/Shipping)	lbs	130.0 / 143.3	198.9 / 223.1
Unit Data	Airflow[4] (Max/H/M/L)	CFM	777 / 706 / 636	1,130 / 989 / 848
	Dehumidification	pts/hr	5.1	5.9
	Compressor Type		Twin Rotary	R1 Hybrid Scroll
	Refrigerant Type		R410A	R410A
Sound Pressure[5]	Indoor (H/M/L)	dB(A)	37 / 35 / 34	44 / 42 / 40
	Outdoor Max	dB(A)	52	54
Piping[6]	Liquid Pipe	in	3/8	3/8
	Vapor Pipr	in	5/8	5/8
	Pipe Length (Min/Max)	ft	164	246
	Max Pipe Elevation	ft	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43
	Drain (OD, ID)	in	1.25/1	1.25/1
Controller	Additional Accessory		PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty	5 years parts, 7 years compressor			

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

LOW STATIC DUCTED

LG ThinQ

LD097HV4
LD127HV4
LD187HV4

Specification		Unit	LD097HV4	LD127HV4	LD187HV4
	Indoor Unit		LDN097HV4	LDN127HV4	LDN187HV4
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	11,600	18,000
	Cooling Capacity Range	Btu/h	3,600 ~ 9,900	4,640 ~ 12,760	7,400 ~ 21,100
	Rated Heating Capacity	Btu/h	14,000	16,000	20,000
	Heating Capacity Range	Btu/h	5,600 ~ 15,400	6,400 ~ 17,600	6,800 ~ 21,800
	Max Heating Capacity at -8.3°C	Btu/h	11,900	13,600	18,000
	Max Heating Capacity at -15°C	Btu/h	10,500	12,000	16,000
	Max Heating Capacity at -20°C	Btu/h	8,960	10,240	14,000
	SEER, EER		18.5, 12.7	19.6, 12.9	18, 11.5
	HSPF (IV / V)		10.3 / 8.9	10.5 / 9.1	10.0 / 8.7
Power	Voltage (IDU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
	Voltage (ODU)	V, Ø, Hz	208-230, 1, 60	208-230, 1, 60	208-230, 1, 60
	Cooling Power Input	kW	0.71	0.90	1.56
	Heating Power Input	kW	1.43	1.29	2.0
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.9/15.9
Operating Range	Heating Operation Range	°C WB	-20 ~ 18	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	°C DB	-18[-40[3]]~ 48	-18[-40[3]]~ 48	-18[-40[3]]~ 48
	Optional Wind Baffle		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	14 ~ 25	14 ~ 25	14 ~ 25
	IDU Operation Range Heating	°C DB	15 ~ 27	15 ~ 27	15 ~ 27
	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	27-9/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16	35-7/16 x 7-15/32 x 27-9/16
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-15/32 x 11-11/32	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	39/46	51/60	49/58
	ODU Weight (Net/Shipping)	lbs	82/89	82/89	128/140
Unit Data	Airflow[4] (Max/H/M/L)	CFM	318 / 247 / 194	353 / 300 / 247	530 / 441 / 353
	Dehumidification	pts/hr	1.50	2.28	2.4
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R-410A	R-410A	R-410A
Sound Pressure[5]	Indoor (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
	Outdoor Max	dB(A)	51	52	52
Piping[6]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8/66	9.8/66	6.6/164
	Max Pipe Elevation	ft	49.2	49.2	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.43
	Drain (OD, ID)	in	1.25/1	1.25/1	1.25/1
Controller	Additional Accessory		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 years parts, 7 years compressor		

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. Installation of an optional Low Ambient Wind Baffle and PQCA0 control kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

VERTICAL AHU

LG ThinQ

LV181HV4
LV241HV4

LV360HV4
LV420HV
LV480HV

Specification		Unit	LV181HV4	LV241HV4	LV360HV4	LV420HV	LV480HV
	Indoor Unit		LVN181HV4	LVN241HV4	LVN360HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU189HV	LUU249HV	LUU368HV	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	14,000 ~ 44,000	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	15,000 ~ 47,000	18,000 ~ 55,000	19,000 ~ 60,000
	Max Heating Capacity at -8.3℃	Btu/h	21,000	26,000	32,000	37,000	40,000
	Max Heating Capacity at -15℃	Btu/h	20,500	23,600	30,000	32,000	34,000
	Max Heating Capacity at -20℃	Btu/h	19,910	20,760	22,000	24,000	26,000
	SEER, EER		19.2, 13.30	19.5, 12	18, 12.5	17, 11.1	16.5, 10
	HSPF (IV / V)		10.4 / 9.0	11.0 / 9.5	10 / 8.6	10 / 8.6	9.5 / 8.2
Power	Voltage (IDU)	V, Ø, Hz	208-230, 1, 60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208-230, 1, 60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.35	2.00	2.88	3.80	4.80
	Heating Power Input	kW	1.73	2.25	3.39	4.00	5.10
	MCA, MOCP	A	20, 30	20, 30	32, 40	32, 40	32, 40
	Rated Amps Cool/Heat	A	16.2 / 16.2	16.2 / 16.2	24.2 / 24.2	24.2 / 24.2	24.2 / 24.2
Operating Range	Heating Operation Range	℃ WB	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18	-20 ~ 18
	Cooling Operation Range	℃ DB	-15[-40[3]]~ 48	-15[-40[3]]~ 48	-15[-40[3]]~ 48	-15[-40[3]]~ 48	-15[-40[3]]~ 48
	Optional Wind Baffle		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	℃ WB	14 ~ 25	14 ~ 25	14 ~ 25	14 ~ 25	14 ~ 25
	IDU Operation Range Heating	℃ DB	15 ~ 27	15 ~ 27	15 ~ 27	15 ~ 27	15 ~ 27
	Setpoint Range Cooling	℃	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30	18 ~ 30
	Setpoint Range Heating	℃	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	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4	25 x 55-3/16 x 21-1/4
	ODU Dimensions (WxHxD)	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
Weight	IDU Weight (Net/Shipping)	lbs	123.5 / 135.1	123.5 / 135.1	165 / 188	165 / 188	165 / 188
	ODU Weight (Net/Shipping)	lbs	129.0 / 141.0	130.0 /143.3	203 / 232	203 / 232	203 / 232
Unit Data	Airflow (Max/H/M/L)[4]	CFM	640 / 580 / 480	710 / 640 / 480	1,100 / 1,000 / 900	1,260 / 1,100 / 1,000	1,400 / 1,260 / 1,000
	Dehumidification	pts/hr	3.1	4	3.4	4.3	5.2
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Sound Pressure[5]	Indoor (H/M/L/SL)	dB(A)	35 / 33 / 30	36 / 34 / 30	45 / 44 / 43	48 / 45 / 44	49 / 48 / 44
	Outdoor Max	dB(A)	52	52	54	54	54
Piping[6]	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6 / 164	6.6 / 164	6.6 / 246	6.6 / 246	6.6 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Standard Warranty			5 years parts, 7 years compressor				

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB).
   Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB).
   For capacity information, see engineering manual capacity tables.
3. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
4. Airflow shown is in cooling mode.
5. 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.
6. Piping lengths are equivalent.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

NOTES

MULTI-ZONE
Lineup

OUTDOOR UNITS			
Btu/h	Multi F	Maximum Indoor Units	Combination Sample
18,000	LMU18CHV LGHHV LMU180HHV	2	
24,000	LMU24CHV LGHHV LMU240HHV	3	
30,000	LMU30CHV LGHHV LMU300HHV	4	
36,000	LMU36CHV	4	
kBtu	Multi F MAX	Maximum Indoor Units	Combination Sample
36,000	LGHHV LMU360HHV	5	
42,000	LGHHV LMU420HHV	6	
48,000	LMU480HV	8	
54,000	LMU540HV	8	
60,000	LMU600HV	8	

MULTI-ZONE
Lineup

INDOOR UNITS								
Btu/h		7,000	9,000	12,000	15,000	18,000	24,000	36,000
Wall Mounted	ARTCOOL		 LAN090HSV5	 LAN120HSV5		 LAN180HSV5		
	DUALCOOL	 LMN079HVT LMU Only	 LSN090HSV5	 LSN120HSV5	 LMN159HVT LMU Only	 LSN180HSV5	 LMN249HVT LMU Only	
Ceiling Mounted	4-Way Cassette	 LMCN078HV LMU Only	 LCN098HV4	 LCN128HV4		 LCN188HV4		
Ducted	High Static						 LHN248HV	 LHN368HV
	Low Static		 LDN097HV4	 LDN127HV4		 LDN187HV4		
	Vertical AHU					 LVN181HV4	 LVN241HV4	 LVN360HV4

MULTI F

1 1/2 ~ 2 ~ 2 1/2 ~ 3 Ton

Multi F multiple piping models (all linesets connect directly to the outdoor unit) can support two, three or four indoor units. Mix and match indoor unit styles as you need with the combinations charts in this book.

Multi F "CHV" models detailed in this book are backwards compatible with all existing inverter Multi F product.

Features

- Published heating capacities down to -20°C on all models
- DIP switch settings to lock system into heating or cooling mode
- Connect up to 130% of indoor units relative to outdoor unit capacity
- Pipe Check Mode in LMU18CHV & LMU24CHV
- Out-of-the-box low ambient cooling mode operation to -10°C
- Gold Fin™ anti-corrosion coil
- Outdoor unit includes sufficient refrigerant for charging 2, 3, or 4 indoor units using 25 feet of pipe to each (dependent upon model)
- Accepts PQSH1200 accessory base pan heater

LMU18CHV
2-Zone Multi F Heat Pump Inverter System
Mix and match for 9,000-24,000 BTU/h.

LMU24CHV
2-3 Zone Multi F Heat Pump Inverter System
Mix and match for 12,000-33,000 BTU/h.

LMU30CHV & LMU36CHV
2-4 Zone Quad-Zone Multi F Heat Pump Inverter System
Mix and match for 18,000-48,000 BTU/h.

4 ~ 4 1/2 ~ 5 Ton

Multi F MAX distributor box models (distributor boxes contain electronic expansion valves) can support up to eight indoor units. Mix and match indoor unit styles as you need with the combinations charts in this book.

LMU480HV, LMU540HV & LMU600HV are backwards compatible with all existing inverter Multi F product.

Features

- Published heating capacities down to -20°C on all models
- DIP switch settings to lock system into heating or cooling mode
- Connect up to 130% of indoor units relative to outdoor unit capacity
- Pipe Check Mode in LMU18CHV & LMU24CHV
- Out-of-the-box low ambient cooling mode operation to -10°C
- Gold Fin™ anti-corrosion coil
- Maximum combined linesets length of 475 feet with 100 foot maximum vertical lift.
- Accepts PQSH1200 accessory base pan heater

LMU480HV & LMU540HV & LMU600HV
2-8 Zone Multi F MAX Heat Pump Inverter System
Mix and match for 24,000-81,000 Btu/h.

MULTI F OUTDOOR UNITS

LMU18CHV
LMU24CHV
LMU30CHV
LMU36CHV

Specification		Unit	LMU18CHV	LMU24CHV	LMU30CHV	LMU36CHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	17,000	20,000	30,000	32,000
	Cooling Capacity Range	Btu/h	8,400 ~ 19,000	8,400 ~ 25,000	8,400 ~ 36,000	8,400 ~ 38,400
	Rated Heating Capacity	Btu/h	22,000	24,000	32,000	36,000
	Heating Capacity Range	Btu/h	10,248 ~ 24,000	9,240 ~ 28,800	9,240 ~ 38,400	9,240 ~ 41,600
	Max Heating Capacity at -8.3℃	Btu/h	19,161	21,097	26,739	29,105
	Max Heating Capacity at -15℃	Btu/h	14,807	14,595	20,622	22,057
	Max Heating Capacity at -20℃	Btu/h	9,912	10,385	13,753	15,823
	SEER, EER[4]		22.0, 13.0	21.7, 13.5	22.0, 13.0	22.0, 13.0
	HSPF (IV / V)[4]		9.7 / 8.4	10.6 / 9.2	10.0 / 8.7	10.0 / 8.7
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.31	1.48	2.31	2.46
	Heating Power Input	kW	2.04	1.80	2.49	2.74
	MCA, MOCP	A	13.3, 20	14.3, 20	16.6, 25.0	17.9, 25
	Rated Amps (Cool/Heat)	A	11.09/11.09	11.99/11.99	13.93/13.93	15.13/15.13
Operating Range	Heating Operation Range	℃ WB	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	℃ DB	-10.0 ~ 47.8	-10.0 ~ 47.8	-10.0 ~ 47.8	-10.0 ~ 47.8
	Optional Wind Baffle		PAG-HS0 / PAG-HS1	PAG-HS0 / PAG-HS1	PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7
Dimensions & Weight	Dimensions (WxHxD)	in	34-1/4x25-25/32x12-19/32	34-1/4x25-25/32x12-19/32	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	Weight (Net/Shipping)	lbs	100/108	100/108	137/148	137/148
Unit Data	Refrigerant Type		R410A	R410A	R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)[3]	dB(A)	49/52	49/52	52/55	52/55
	Maximum Air Volume	CFM	1,766	1,766	2,119	2,119
	Minimum Connectable IDUs	Qty	2	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4	4
Piping	Liquid Pipe	in	1/4 x 2	1/4 x 3	1/4 x 4	1/4 x 4
	Vapor Pipe	in	3/8 x 2	3/8 x 3	3/8 x 4	3/8 x 4
	Factory Charge of R410A	lbs	3.96	3.96	6.18	6.18
	Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22
Standard Warranty			5 years parts, 7 years compressor			

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB).
   Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB).
   For capacity information, see engineering manual capacity tables.
3. 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.
4. Values when matched with non-ducted units only.
5. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.
7. Do not design the system with combination ratio over 100% for heating operation

MULTI F MAX OUTDOOR UNITS

LMU480HV
LMU600HV

Distribution box is not included in Outdoor unit package

Specification		Unit	LMU480HV	LMU600HV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	48,000	60,000
	Cooling Capacity Range	Btu/h	14,400 ~ 58,000	15,600 ~ 68,000
	Rated Heating Capacity	Btu/h	54,000	64,000
	Heating Capacity Range	Btu/h	15,840 ~ 61,000	17,940 ~ 70,000
	Max Heating Capacity at -8.3°C	Btu/h	49,014	53,560
	Max Heating Capacity at -15°C	Btu/h	38,900	42,720
	Max Heating Capacity at -20°C	Btu/h	27,529	33,193
	SEER, EER[4]		19.5, 12.5	20.5, 11.4
	HSPF (IV / V)[4]		10.0 / 8.7	11.0 / 9.6
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	3.84	5.26
	Heating Power Input	kW	4.32	5.33
	MCA, MOCP	A	27.3, 40	32.2, 45
	Rated Amps (Cool/Heat)	A	22.96/22.96	27.06/27.06
Operating Range	Heating Operation Range	°C WB	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	°C DB	-10.0 ~ 47.8	-10.0 ~ 47.8
	Optional Wind Baffle[5]		PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 × 54-11/32 × 13	37-13/32x54-11/32x13
	Weight (Net/Shipping)	lbs	214/236	223/249
Unit Data	Refrigerant Type		R410A	R-410A
	Compressor Type		Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)	dB(A)	54/56	56/58
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	8	8
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	3/4	3/4
	Factory Charge of R410A	lbs	9.7	12.3
	Additional Refrigerant	oz/ft	Main: 0.54 Branch: 0.22	Main: 0.54 Branch: 0.22
Standard Warranty			5 years parts, 7 years compressor	

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. 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.
4. Values when matched with non-ducted units only.
5. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -40˚C in cooling mode for applicable outdoor units.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.
7. Do not design the system with combination ratio over 100% for heating operation

MULTI HHV OUTDOOR UNITS HYPER HEAT VERSION

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

Pipe Detect Mode Ensures All Piping & Wiring Match

Triple-Pass Coil For Maximum Performance

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

High-Speed Twin Rotary **LG DUAL Inverter** Compressor™

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

NOTES

MULTI HHV OUTDOOR UNITS HYPER HEAT VERSION

LMU180HHV
LMU240HHV
LMU300HHV

LGHHV

Model	Specification	Unit	LMU180HHV	LMU240HHV	LMU300HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	18,000	24,000	28,400
	Cooling Capacity Range	Btu/h	8,400 ~ 19,980	8,400 ~ 30,000	8,400 ~ 34,080
	Rated Heating Capacity	Btu/h	22,000	26,000	28,600
	Heating Capacity Range	Btu/h	10,248 ~ 24,000	10,248 ~ 31,200	10,248 ~ 34,320
	Max Heating Capacity at -8.3°C	Btu/h	23,600	28,500	31,600
	Max Heating Capacity at -15°C	Btu/h	22,000	26,000	28,600
	Max Heating Capacity at -20°C	Btu/h	21,050	23,880	25,550
	Max Heating Capacity at -25°C	Btu/h	19,270	21,310	22,210
	SEER, EER[3]		21, 13.5	21, 13.5	20, 12.5
	HSPF (IV / V)		10.0 / 8.7	10.7 / 9.3	11.0 / 9.6
Power	Voltage	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.33	1.78	2.27
	Heating Power Input	kW	2.22	2.12	2.33
	MCA, MOCP	A	18.6, 30	19, 30	19.4, 30
	Rated Amps	A	15.33	15.73	16.13
Operating Range	Heating Operation Range	°C WB	-25.0 ~ 17.8	-25.0 ~ 17.8	-25.0 ~ 17.8
	Cooling Operation Range	°C DB	-10.0 ~ 47.8	-10.0 ~ 47.8	-10.0 ~ 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
	Sound Pressure (Cooling / Heating)[4]	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	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
	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		

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. Values when matched with non-ducted units only.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.
6. Do not design the system with combination ratio over 100% for heating operation.
7. Hyper Heat Models are not compatible with low ambient kit

MULTI HHV OUTDOOR UNITS HYPER HEAT VERSION

LMU360HHV
LMU420HHV

LGHHV

Distribution box is not included in Outdoor unit package

Specification		Unit	LMU360HHV	LMU420HHV
Capacity[1,2]	Rated Cooling Capacity	Btu/h	36,000	42,000
	Cooling Capacity Range	Btu/h	11,700 ~ 46,733	11,700 ~ 53,897
	Rated Heating Capacity	Btu/h	41,000	45,000
	Heating Capacity Range	Btu/h	13,455 ~ 50,200	13,455 ~ 55,256
	Max Heating Capacity at -8.3°C	Btu/h	45,510	49,950
	Max Heating Capacity at -15°C	Btu/h	41,000	45,000
	Max Heating Capacity at -20°C	Btu/h	36,900	39,150
	Max Heating Capacity at -25°C	Btu/h	32,390	34,200
	SEER, EER[3]		21, 15	20.5, 14
	HSPF (IV / V)		11.5 / 10.0	11.0 / 9.6
Power	Voltage	V- Ø - Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	2.4	3
	Heating Power Input	kW	2.93	3.3
	MCA, MOCP[4]	A	30.2, 45	30.2, 45
	Rated Amps	A	25.06	25.06
Operating Range	Heating Operation Range	°C WB	-25.0 ~ 17.8	-25.0 ~ 17.8
	Cooling Operation Range	°C DB	-10.0 ~ 47.8	-10.0 ~ 47.8
	Optional Wind Baffle[5]		PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 x 54-11/32 x 13	37-13/32 x 54-11/32 x 13
	Weight (Net/Shipping)	lbs	222.7/249.1	222.7/249.1
Unit Data	Refrigerant Type		R410A	R410A
	Compressor Type		Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)[4]	dB(A)	54 / 57	54 / 57
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	5	6
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	3/4	3/4
	Factory Charge of R410A	lbs	12.3	12.3
	Additional Refrigerant	oz/ft	Main: 0.54 Branch: 0.22	Main: 0.54 Branch: 0.22
Standard Warranty			5 years parts, 7 years compressor	

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. Values when matched with non-ducted units only.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.
6. Do not design the system with combination ratio over 100% for heating operation.
7. Hyper Heat Models are not compatible with low ambient kit

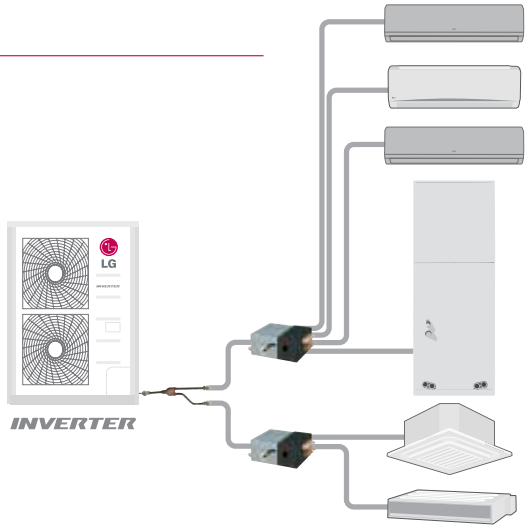
MULTI F MAX PIPING ACCESSORIES

Accessory Lineup

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

Branch Distribution Unit Features

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



Specifications

Specification		Unit	PMBD3620	PMBD3630	PMBD3640	PMBD3641
Max Nominal Port Capacity	Each Port	Btu/h	24,000	24,000	24,000	Ports A ~ C: 24,000 Port D: 36,000
	Sum of Ports	Btu/h	48,000	72,000	73,000	73,000
Connectable Indoor Units			1 ~ 2	1 ~ 3	1 ~ 4	1 ~ 4
Operating Range		°C DB	-17.8 ~ 65.6	-17.8 ~ 65.6	-17.8 ~ 65.6	-17.8 ~ 65.6
Voltage		V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Input		W	16	24	32	32
Rated Amps		A	0.08	0.12	0.16	0.16
Dimensions	WxHxD	inch	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32
Weight	Net	lbs	13	15	16	16
	Shipping	lbs	15	17	18	18
Pipe Connection Size (In from ODU)	Liquid	in	3/8	3/8	3/8	3/8
	Vapor	in	3/4	3/4	3/4	3/4
Pipe Connection Size (Out to IDU)	Liquid	in	1/4 (x2)	1/4 (x3)	1/4 (x4)	Ports A ~ C: 1/4 Port D: 1/4
	Vapor	in	3/8 (x2)	3/8 (x3)	3/8 (x4)	Ports A ~ C: 3/8 Port D: 1/2
Max Pipe Length	BD Box to IDU	ft	49.2	49.2	49.2	49.2
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. Due to our commitment to continued innovation, some specifications may be changed without notification.

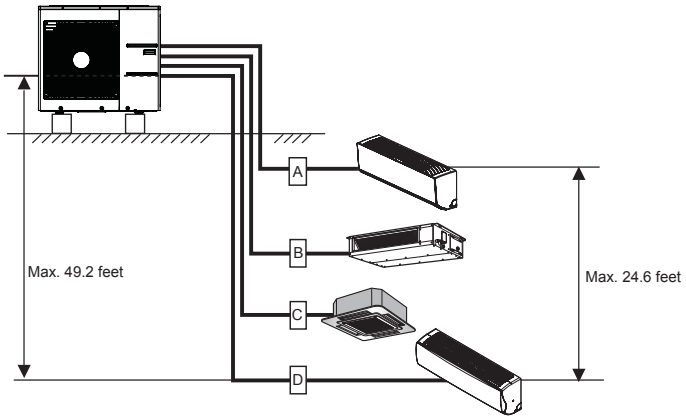
MULTI F PIPING SUMMARY

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

Multi F System

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

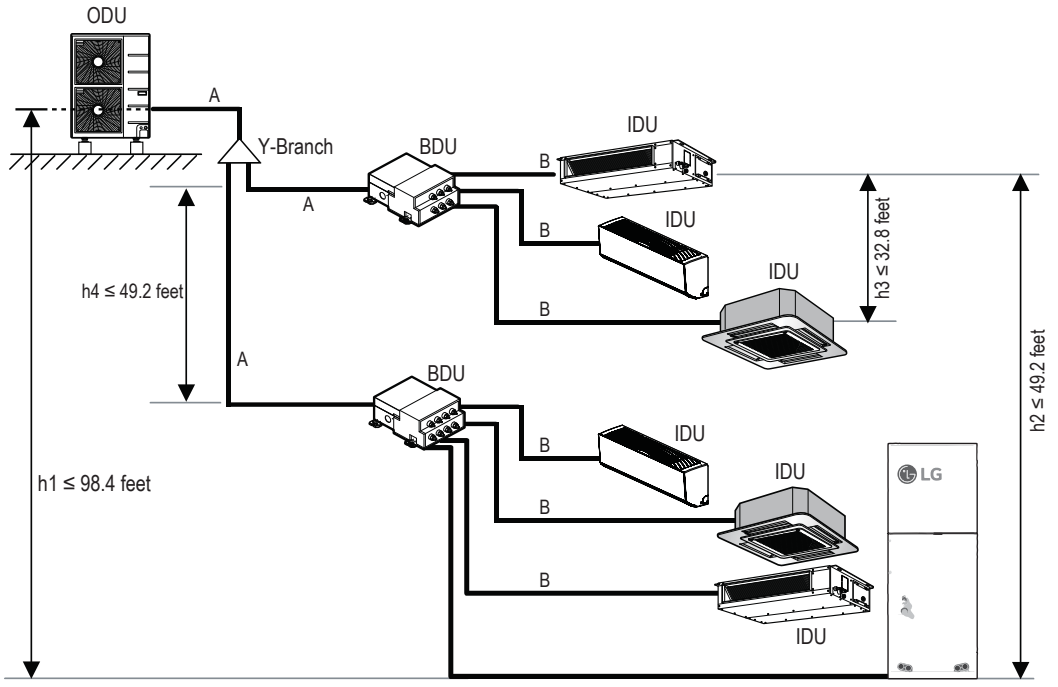
Model Number	Min Length Each Pipe (ft.)	Maximum Piping Length to each IDU (ft.)				Max. Total Piping Length for Each System (ft.)
		A	B	C	D	
LMU18CHV	10	82	82	-	-	164
LMU24CHV	10	82	82	82	-	246.1
LMU30CHV	10	82	82	82	82	246.1
LMU36CHV	10	82	82	82	82	246.1



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))

MULTI F INDOOR UNITS

ARTCOOL

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	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 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)[3]	dB(A)	36/32/27	38/34/29	44/38/34
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	Weight (Net/Shipping)	lbs	20.5/25.6	20.5/25.6	29.8/36.4
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB

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	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
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 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)[3]	dB(A)	35/31/26	36/32/27	38/34/29	42/38/32	44/38/34	46/41/36
	Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32	39-9/32 x 13-19/32 x 8-9/32
	Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2	25.6 / 32.2
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	3/8	1/2	1/2
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB

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).
3. 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.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

4-Way 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	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 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)[3]	dB(A)	31/27/24	36/33/30	38/35/32	41/39/36
	Dimensions (WxHxD)	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
	Weight (Net/Shipping)	lbs	26/31	29/34	29/34	32/39
Piping	Liquid Pipe	in	1/4	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	3/8	1/2
	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller	Supplied		PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB	PQWRHQ0FDB
Grille (Sold Separately)	Model		PT-QCHW0/PT-UQC	PT-QCHW0/PT-UQC	PT-QCHW0/PT-UQC	PT-QCHW0/PT-UQC
	Dimensions (WxHxD)	in	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16
	Weight (Net/Shipping)	lbs	7/11	7/9	7/9	7/11

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 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).
3. 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.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

Low Static Ducted

LG ThinQ

Specification		Unit	LDN097HV4	LDN127HV4	LDN187HV4
Capacity[1,2]	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,400	13,800	20,800
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-61	208/230-1-62
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 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
	Factory Set External Static Pressure	in. wg	0.1	0.1	0.1
	Max. External Static Pressure	in. wg	0.2	0.2	0.2
	Sound Pressure Level (H/M/L)[3]	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	51/57
Piping	Liquid Pipe	in	1/4	1/4	1/4
	Vapor Pipe	in	3/8	3/8	1/2
	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1	1-1/4, 1
Controller	Additional Accessory		Wired Controller	Wired Controller	Wired Controller

Vertical AHU

LG ThinQ

Specification		Unit	LVN181HV4	LVN241HV4	LVN360HV4
Capacity[1,2]	Cooling	Btu/h	18,000	24,000	36,000
	Heating	Btu/h	20,000	27,000	40,000
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
Fan	Type		Sirocco	Sirocco	Sirocco
	Motor Output x Qty	W	198 x 1	198 X 1	400 x 1
	Motor/Drive		BLDC	BLDC	BLDC
	Airflow (H/M/L)[3]	CFM	640/580/480	710/640/480	1,100/1,000/900
Unit Data	Rated Amps	A	1.1	1.1	2.2
	Max. External Static Pressure	in. wg	0.7	0.7	1
	Sound Pressure Level (H/M/L)[4]	dB(A)	42/42/41	43/42/41	45/44/43
	Dimensions (WxHxD)	in	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
	Weight (Net/Shipping)	lbs	124/135	124/135	165/188
Piping	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	1/2	1/2	5/8
	Drain	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory		Wired Controller	Wired Controller	Wired Controller

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB).
   Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB).
3. At 0.5" WG ESP.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

NOTES

CONTROLS

Individual Control

PREMTC00U

PQWRHQ0FDB

PREMTB100

PREMTA000

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

LG MultiSITE™ Remote Controllers & Accessories

PREMTBVC0
PREMTBVC1

ZVRCZDWS1

ZVRCZWOC1

ZVRCZCOC1

Model	Description
PREMTBVC0	LG MultiSITE™ Remote Controller with Occupancy Sensor
PREMTBVC1	Remote Temperature Button Sensor
ZVRCZPWC1	ZigBee Pro Wireless Card
ZVRCZDWS1	Wireless Door & Window Switch
ZVRCZWOC1	Wireless Ceiling Mounted Occupancy Sensor
ZVRCZCOC1	Wireless Wall Mounted Occupancy Sensor

Integration Devices

PMNFP14A1

PDRYCB100
PDRYCB320
PDRYCB400

PZCWRC1
PWYREG100

Model	Description
PDRYCB100	Simple Dry Contact
PDRYCB320	Dry Contact for Thermostat (5-12Vdc, 24Vac)
PDRYCB400	Dry Contact for Economizer/Setback
PMNFP14A1	PI 485 for DFS
PZCWRC1	32.8' Wired Remote Extension Cable
PWYREG100	Group Control Cable Kit (required for each additional A/H with single zone controller)

ACCESSORIES

Indoor Accessories


PCRCUDT3
PWFMDD200


PRARH1
PRARS1


PTEGM0


PTDCM
PTDCQ


PT-QCHW0
PT-UMC1
PT-UQC


PTVK410


PTVK420


PTVK430

ANEH***B1
ANEH***B2

Type	Model	Description	Used with
Wi-Fi Module	PCRCUDT3	Wi-Fi Module (for use with LG ThinQ™)	See Compatibility Table
	PWFMDD200	Connects to CN_WF or CN_WiFi depending on how the unit's board is marked	See Compatibility Table
Aux Heater Relay Kit	PRARH1	Auxiliary Heat Kit for Cassettes & Ducted IDUs	See Compatibility Table
	PRARS1	Auxiliary Heat Kit for Wall Mounted IDUs	See Compatibility Table
Auto Elevation Grille	PTEGM0	Auto Elevation Grille Kit	LCN***HV[1]
Cassette Cover	PTDCM	Decorative Cover for 4-Way Ceiling Cassettes Using PT-UMC1 Grille	LCN***HV[1]
	PTDCQ	Decorative Cover for 4-Way Ceiling Cassettes Using PT-UQC Grille	LMCN***HV, LCN***HV4
Cassette Grille	PT-UMC1	4-Way Ceiling Cassette Matte Grille	LCN***HV[1]
	PT-UQC	4-Way Ceiling Cassette Matte Grille	LMCN***HV, LCN***HV4
	PT-QCHW0	4-Way Ceiling Cassette 2X2 Matte Grille	LMCN***HV, LCN***HV4
Cassette Ventilation	PTVK410	Ventilation Air Intake Spacer for 4-Way Ceiling Cassettes (requires PTVK420)	LCN***HV[1]
	PTVK420	6" Ø Ventilation Air Connection for 4-Way Ceiling Cassettes (requires PTVK410)	LCN***HV[1]
	PTVK430	3" Ø Ventilation Air Connection for all 4-Way Ceiling Cassettes	All 4-Way Ceiling Cassettes
VAHU Heat Kit	ANEH033B1	3 kW Electric Heat Kit for VAHU	LVN***HV4
	ANEH053B1	5 kW Electric Heat Kit for VAHU	LVN***HV4
	ANEH083B2	8 kW Electric Heat Kit for VAHU	LVN***HV4
	ANEH103B2	10 kW Electric Heat Kit for VAHU	LVN***HV4
	ANEH153B2	15 kW Electric Heat Kit for VAHU	LVN360HV4, LVN***HV
	ANEH203B2	20 kW Electric Heat Kit for VAHU	LVN360HV4, LVN***HV
VAHU Vertical Down Flow Conversion Kit	PNDFJ0	Vertical Down Flow Conversion Kit	LVN180HV4, LVN240HV4
	PNDFK0	Vertical Down Flow Conversion Kit	LVN360HV4, LVN***HV
HSD Filter Box	ZFBXM201A	High-capacity filter box for M2 HSD chassis	LHN248HV
	ZFBXM301A	High-capacity filter box for M3 HSD chassis	LHN368HV

Note:
1. Accessory is not compatible with LCN***HV4 models.
2. Due to our commitment to continued innovation, some specifications may be changed without notification.

ACCESSORIES

Outdoor Accessories


Control Adaptor


Base Pan Heater


Wind Baffle

Category	Model	Description	Used with
Low Ambient Kit	PQCAO[1]	Control Adaptor	All Units (Prestige and Multi F HHV are not compatible)
	PAG-HS0	Front Wind Guard	LSU090HSV5, LSU120HSV5, LUU097HV, LUU127HV, LMU18CHV, LMU24CHV
	PAG-HS1	Rear / Side Wind Guard	LMU18CHV, LMU24CHV, LAU090HYV3[5], LAU120HYV3[5]
	PAG-HS2	Rear / Side Wind Guard	LSU180HSV5
	PAG-HS3	Rear / Side Wind Guard	LSU090HSV5, LSU120HSV5, LUU097HV, LUU127HV, LAU090HYV3[5], LAU120HYV3[5]
	PAG-HS4	Rear / Side Wind Guard	LMU360HHV[5], LMU420HHV[5], LMU480HV, LMU540HV, LMU600HV, LUU368HV, LUU369HV, LUU428HV, LUU429HV, LUU488HV
	PAG-HS5	Front Wind Guard	LMU360HHV[5], LMU420HHV[5], LMU480HV, LMU540HV, LMU600HV, LUU368HV, LUU369HV, LUU428HV, LUU429HV, LUU488HV
	PAG-HS6	Front Wind Guard	LSU243HLV3, LSU303HLV3, LSU363HLV3, LAU150HYV3[5], LAU180HYV3[5], LAU240HYV3[5], LMU180HHV[5], LMU240HHV[5], LMU300HHV[5], LMU30CHV, LMU36CHV, LUU188HV, LUU189HV, LUU248HV, LUU249HV
	PAG-HS7	Rear / Side Wind Guard	LSU243HLV3, LSU303HLV3, LSU363HLV3, LAU150HYV3[5], LAU180HYV3[5], LAU240HYV3[5], LMU180HHV[5], LMU240HHV[5], LMU300HHV[5], LMU30CHV, LMU36CHV, LUU188HV, LUU189HV, LUU248HV, LUU249HV
	PAG-HS8	Front Wind Guard	LSU180HSV5, LSU243HLV3, LSU303HLV3, LSU363HLV3
Base Pan Heater	PQSH1200	Base Pan Heater for Multi F and Single Zone Cassette and Ducted	All Multi F and Multi F Max Outdoor Units, LUU18*HV, LUU24*HV, LUU36*HV, LUU42*HV, LUU48*HV[2]
	PQSH1201	Base Pan Heater for Wall Mounted	LSU180HSV5, LSU243HLV3, LSU303HLV3, LSU363HLV3
	PQSH1202	Base Pan Heater for Single Zone Cassette and Ducted	LUU09*HV, LUU12*HV[3]

Note:
1. Prestige and Multi F HHV units are not meant to be used as low ambient cooling but still can use the specific wind guards for other purpose
2. Base Pan Heater is compatible with Multi F and Multi F MAX units manufactured after May 2015 and listed LUU***HV models manufactured after April 2017
3. Only applicable with units manufactured after February 2018
4. Due to our commitment to continued innovation, some specifications may be changed without notification

CONTROLS & ACCESSORIES COMPATIBILITY

Indoor Accessories

IDUs shown compatible with LG MultiSITE™ Remote Controllers (PREMTBVC1/ PREMTBVC0) are compatible with all LG wired controllers.

PCRCUDT3
PWFMDD200

PREMTB100

PREMTBVC1
PREMTBVC0

PDRYCB100
PDRYCB400
PDRYCB320

ZRTBS01

PWYREG100
PZCWRC1

PRARS1
PRARH1

Single Zone		Wi-Fi Module[3]	Wi-Fi Module[3]	LG MultiSITE™ Remote Controllers	RS3 Remote Controllers	Dry Contact (Simple, Setback)	Dry Contact (Thermostat)	Remote Temp/ Button Sensor	Group Control	Cable Extension	Aux Heater Relay Kit[1]	Aux Heater Relay Kit[1]
		PCRCUDT3	PWFMDD200	PREMTBVC1 PREMTBVC0	PREMTB100	PDRYCB100 PDRYCB400	PDRYCB320	ZRTBS01	PWYREG100	PZCWRC1	PRARS1	PRARH1
DUALCOOL	LS---HSV5	Built-in	-	O	O	O	O	X	X	O	X	-
DUALCOOL Longpipe	LS--3HLV3	Built-in	-	O	O	O	O	X	X	O	X	-
ARTCOOL	LA---HSV5	Built-in	-	O	O	O	O	X	X	O	X	-
DUALCOOL Prestige	LA-HYV3	Built-in	-	O	O	O	O	X	X	O	X	-
Cassette	LC---HV4	-	O	O	O	O	O	O	O	O	-	O
	LC---HV	-	O	O	O	O	O	O	O	O	-	O
Ducted	LH---HV	-	O	O	O	O	O	O	O	O	-	O
	LD---HV4	-	O	O	O	O	O	O	O	O	-	O
Vertical AHU	LV---HV4	-	O	O	O	O	Built-in	O	O	O	-	O

Multi-Zone		Wi-Fi Module[3]	Wi-Fi Module[3]	LG MultiSITE™ Remote Controllers	RS3 Remote Controllers	Dry Contact (Simple, Setback)	Dry Contact (Thermostat)	Remote Temp Button Sensor	Group Control	Cable Extension	Aux Heater Relay Kit[1]	Aux Heater Relay Kit[1]
		PCRCUDT3	PWFMDD200	PREMTBVC1 PREMTBVC0	PREMTB100	PDRYCB100 PDRYCB400	PDRYCB320	ZRTBS01	PWYREG100	PZCWRC1	PRARS1	PRARH1
DUALCOOL	LMN079HVT	Built-in	-	O	O	O	O	X	O	O	O	-
	LSN090HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
	LSN120HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
	LMN159HVT	Built-in	-	O	O	O	O	X	O	O	O	-
	LSN180HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
	LMN249HVT	Built-in	-	O	O	O	O	X	O	O	O	-
ARTCOOL	LAN090HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
	LAN120HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
	LAN180HSV5	Built-in	-	O	O	O	O	X	O	O	O	-
Cassette	LMCN078HV	-	O	O	O	O	O	O	O	O	-	O
	LCN098HV4	-	O	O	O	O	O	O	O	O	-	O
	LCN128HV4	-	O	O	O	O	O	O	O	O	-	O
	LCN188HV4	-	O	O	O	O	O	O	O	O	-	O[2]
High Static Duct	LHN248HV	-	X	O	O	O	O	O	O	O	-	O
	LHN368HV	-	X	O	O	O	O	O	O	O	-	O
Low Static Duct	LDN097HV4	-	O	O	O	O	O	O	O	O	-	O
	LDN127HV4	-	O	O	O	O	O	O	O	O	-	O
	LCN188HV4	-	O	O	O	O	O	O	O	O	-	O
Vertical AHU	LVN181HV4	-	O	O	O	O	Built-in	O	O	O	-	O
	LVN241HV4	-	O	O	O	O	Built-in	O	O	O	-	O
	LVN360HV4	-	O	O	O	O	Built-in	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. Emergency Heat function is not available with Aux Heat Relay Kit.
2. Aux Heat Relay Kit is applicable for models produced after June 2014.
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
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

CONTROLS & ACCESSORIES COMPATIBILITY

Outdoor Accessories & Service Accessories

PMNFP14A1

PSWMOZ3

PLGMVW100

Single Zone		PI485 for ODU	PDI Premium & Standard	LG SIMS	LGMV Hard Lock Key & Cable	Mobile LGMV[1]
		PMNFP14A1	PQNUD1S41 PPWRDB000	PSWMOZ3	PRCTIL0	PLGMVW100
ARTCOOL Prestige	LA---HYV3	O	O	O	O	X
ARTCOOL Mirror	LA---HSV5	O	O	O	O	X
DUALCOOL	LS---HSV5	O	O	O	O	X
DUALCOOL Long Piping	LS---HLV3	O	O	O	O	X
4-Way Cassette	LC---HV4	O	O	O	O	X
	LC---HV	O	O	O	O	X
Ducted	LH---HV	O	O	O	O	X
	LD---HV4	O	O	O	O	X
Vertical AHU	LV---HV4	O	O	O	O	X
	LV---HV	O	O	O	O	X

Multi-Zone		PI485 for ODU	PDI Premium & Standard	LG SIMS	LGMV Hard Lock Key & Cable	Mobile LGMV
		PMNFP14A1	PQNUD1S41 PPWRDB000	PSWMOZ3	PRCTIL0	PLGMVW100
Multi F	LMU18CHV	O	O	O	O	O
	LMU180HHV	O	O	O	O	O
	LMU24CHV	O	O	O	O	O
	LMU240HHV	O	O	O	O	O
	LMU30CHV	O	O	O	O	O
	LMU300HHV	O	O	O	O	O
	LMU36CHV	O	O	O	O	O
Multi F MAX	LMU360HHV	O	O	O	O	O
	LMU420HHV	O	O	O	O	O
	LMU480HV	O	O	O	O	O
	LMU540HV	O	O	O	O	O
	LMU600HV	O	O	O	O	O

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

ENERGY STAR® SYSTEMS

With several models winning the ENERGY STAR® Most Efficient designation, LG Air Conditioning Systems have industry-leading SEER and HSPF ratings.

★ = ENERGY STAR

Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF	Energy Star	CEE Tier
204825177	LAU090HYV3	LAN090HYV3	15.80	27.50	13.50	★	Tier 3
204825178	LAU120HYV3	LAN120HYV3	13.80	25.50	12.50	★	Tier 3
204825179	LAU150HYV3	LAN150HYV3	15.00	25.00	13.50	★	Tier 3
204825180	LAU180HYV3	LAN180HYV3	14.40	24.00	13.00	★	Tier 3
204825181	LAU240HYV3	LAN240HYV3	13.00	22.50	12.50	★	Tier 3
10567393	LSU090HSV5	LAN090HSV5	14.50	23.50	11.30	★	Tier 3
10570122	LSU120HSV5	LAN120HSV5	12.50	22.70	11.40	★	Tier 1
10567390	LSU180HSV5	LAN180HSV5	12.60	21.50	10.20	★	Tier 1
10567394	LSU090HSV5	LSN090HSV5	14.50	23.50	11.30	★	Tier 3
10570123	LSU120HSV5	LSN120HSV5	12.50	22.70	11.40	★	Tier 1
10567391	LSU180HSV5	LSN180HSV5	12.60	21.50	10.20	★	Tier 1
204825182	LSU243HLV3	LSN243HLV3	13.00	21.50	12.00	★	Tier 3
204825183	LSU303HLV3	LSN303HLV3	11.30	20.00	11.50		
204825184	LSU363HLV3	LSN363HLV3	10.00	18.50	11.00		
8931560	LUU097HV	LCN098HV4	13.65	20.20	10.50	★	Tier 3
8905114	LUU127HV	LCN128HV4	12.60	19.40	10.40	★	Tier 1
5859619	LUU189HV	LCN188HV4	12.50	20.50	10.00	★	Tier 1
203161150	LUU249HV	LCN248HV	12.60	20.00	10.50	★	Tier 1
203161151	LUU369HV	LCN368HV	12.50	19.00	9.50	★	Tier 1
203161245	LUU429HV	LCN428HV	10.30	17.80	9.00		
8931561	LUU097HV	LDN097HV4	12.70	18.50	10.30	★	Tier 1
8931559	LUU127HV	LDN127HV4	12.90	19.60	10.50	★	Tier 1
202177383	LUU189HV	LDN187HV4	11.50	18.00	10.00		
203161353	LUU249HV	LHN248HV	12.00	19.00	10.50		Tier 0
203161354	LUU369HV	LHN368HV	12.10	19.00	9.70		Tier 0
203161351	LUU189HV	LVN181HV4	13.30	19.20	10.40	★	Tier 3
203161352	LUU249HV	LVN241HV4	12.00	19.50	11.00		Tier 0
10399150	LUU368HV	LVN360HV4	12.50	18.00	10.00	★	Tier 1
10400575	LUU428HV	LVN420HV	11.05	17.00	10.00		
10401183	LUU488HV	LVN480HV	10.00	16.50	9.50		

ENERGY STAR® SYSTEMS

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF	Energy Star	CEE Tier
7180060	LMU18CHV	Non-Ducted Indoor Units	13.00	22.00	9.70	★	Tier 2
7180061	LMU18CHV	Ducted Indoor Units	10.70	17.20	9.70	★	
7184506	LMU18CHV	Mixed Ducted and Non-Ducted Indoor Units	11.85	19.60	9.70	★	
7180062	LMU24CHV	Non-Ducted Indoor Units	13.50	21.70	10.60	★	Tier 3
7184505	LMU24CHV	Ducted Indoor Units	11.50	17.50	9.80	★	
7184507	LMU24CHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.60	10.20	★	Tier 2
8111355	LMU30CHV	Non-Ducted Indoor Units	13.00	22.00	10.00	★	Tier 3
8111356	LMU30CHV	Ducted Indoor Units	11.00	18.20	9.70	★	
8111359	LMU30CHV	Mixed Ducted and Non-Ducted Indoor Units	12.00	20.10	9.85	★	Tier 0
7180063	LMU36CHV	Non-Ducted Indoor Units	13.00	22.00	10.00	★	Tier 3
7180064	LMU36CHV	Ducted Indoor Units	11.00	18.20	9.70	★	
7184508	LMU36CHV	Mixed Ducted and Non-Ducted Indoor Units	12.00	20.10	9.85	★	Tier 0
8111358	LMU480HV	Non-Ducted Indoor Units	12.50	19.50	10.00		
8111357	LMU480HV	Ducted Indoor Units	10.80	17.50	9.70		
8111360	LMU480HV	Mixed Ducted and Non-Ducted Indoor Units	11.65	18.50	9.85	★	
8898928	LMU600HV	Non-Ducted Indoor Units	11.40	20.50	11.00	★	
8898929	LMU600HV	Ducted Indoor Units	10.50	18.50	10.50	★	
8898930	LMU600HV	Mixed Ducted and Non-Ducted Indoor Units	10.95	19.50	10.75	★	
10445372	LMU180HHV	Non-Ducted Indoor Units	13.50	21.00	10.00	★	Tier 3
10445373	LMU180HHV	Ducted Indoor Units	12.00	17.50	9.00		Tier 0
10516996	LMU180HHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.25	9.50	★	Tier 1
10445374	LMU240HHV	Non-Ducted Indoor Units	13.50	21.00	10.70	★	Tier 3
10445375	LMU240HHV	Ducted Indoor Units	11.50	17.00	9.00		
10516997	LMU240HHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.00	9.85		Tier 1
10445376	LMU300HHV	Non-Ducted Indoor Units	12.50	20.00	11.00		Tier 1
10445377	LMU300HHV	Ducted Indoor Units	10.50	17.50	9.50	★	
10525928	LMU300HHV	Mixed Ducted and Non-Ducted Indoor Units	11.50	18.75	10.25		
10443472	LMU360HHV	Non-Ducted Indoor Units	15.00	21.00	11.50	★	Tier 3
10443475	LMU360HHV	Ducted Indoor Units	13.50	17.50	10.50		Tier 2
10445111	LMU360HHV	Mixed Ducted and Non-Ducted Indoor Units	14.25	19.25	11.00		Tier 3
10443471	LMU420HHV	Non-Ducted Indoor Units	14.00	20.50	11.00		Tier 3
10443474	LMU420HHV	Ducted Indoor Units	13.00	19.00	10.50		Tier 3
10444103	LMU420HHV	Mixed Ducted and Non-Ducted Indoor Units	13.50	19.75	10.75		Tier 3

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

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 / DUALCOOL Prestige Wall Mounted	**H**	Ceiling-Concealed Duct (High Static)
	C	Four-Way Ceiling Cassette	**S**	DUALCOOL Wall Mounted
	D	Ceiling-Concealed Duct (Low Static)	**U**	Cassette/Duct ODU
			V	Vertical Air Handling Unit
Component	**N**	Indoor Unit	**U**	Outdoor Unit
Nominal Capacity	**09**	9,000	**24**	24,000
	12	12,000	**30**	30,000
	15	15,000	**36**	36,000
	18	18,000	**42**	42,000
			48	48,000
Generation	**0~8**			
Cycle	**H**	Heat Pump		
Product Type	**LV**	DUALCOOL Long Piping Inverter	**V**	DUALCOOL Inverter
	SV	ARTCOOL & DUALCOOL 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/SN**	Wall Mounted Indoor Unit	**N**	Standard Wall Mounted Indoor Unit
	CN	Four-Way Ceiling-Cassette Indoor Unit	**VN**	Vertical-Horizontal Air Handling Indoor Unit
	DN	Ceiling-Concealed Duct (Low Static) Indoor Unit	**U**	Outdoor Unit
	HN	Ceiling-Concealed Duct (High Static) Indoor Unit		
Nominal Capacity	**07**	7,000	**30**	30,000
	09	9,000	**36**	36,000
	12	12,000	**24**	24,000
	15	15,000	**48**	48,000
	18	18,000	**54**	54,000
	24	24,000	**60**	60,000
Generation	**0~5~6~7~8~9~C**			
Cycle/Type	**HV**	Inverter Heat Pump	**HHV**	High Heat (LGHHV) Inverter Heat Pump
Style	**T**	High Wall IDU		

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

Packaged Terminal Air Conditioners

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

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

Accessories

Type	Model	Name
Control	AYWH110	Wired Wall Thermostat Connection Kit (1 included with every PTAC)
	PYRCUCA0B	Digital Wired Wall Thermostat
	PYRCUCC1HB	Digital Wireless Wall Thermostat
	PYRCVDT01	Wired Thermostat, w/o Motion Sensor
	PYRCVDWL1	Wireless Thermostat w/o Motion Sensor
	PYRCVDT02	Wired Thermostat, w/ Motion Sensor
	PYRCVDWL2	Wireless Thermostat w/ Motion Sensor

Type	Model	Name
Indoor	AYFT110	Replacement Filters (10-pack)
	AYLD1A	Lateral Duct Kit
	AYLL101B	Leveling Legs (set of 2)
	AYRE110	Remote Escutcheon Kit (10-Pack)
	AYSB1201B	Sub Base (208/230V, 20A)

Type	Model	Name
Outdoor	AYAGALA01A	Aluminum Architectural Grille
	AYAGALB01A	Dark Bronze Color Architectural Grille
	AYAGALC01A	Soft Dove Color Architectural Grille
	AYDR101B	Condensate Drain Kit
	AYSVB01A	42" Wall Sleeve

Type	Model	Name
Power Cord[1]	AYUH2315	15 Amp electrical cord and plug for 208V/230V PTAC models that have universal heater (2.5Kw)
	AYUH2320	20 Amp electrical cord and plug for 208V/230V PTAC models that have universal heater (3.5Kw)
	AYUH2330	30 Amp electrical cord and plug for 208V/230V PTAC models that have universal heater (5.0 Kw)

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

Packaged Terminal Air Conditioners

Indoor Accessories

PYRCUCA0B /
PYRCUCC1HB

AYFD101

AYDR101

PYRCVDT01 / PYRCVDT01
PYRCVDWL1 / PYRCVDWL2

AYLL101B

AYDR101B

AYWH110

AYSB1201B

Outdoor Accessories

AYSVB01A

AYAGALA01A

AYAGALB01A

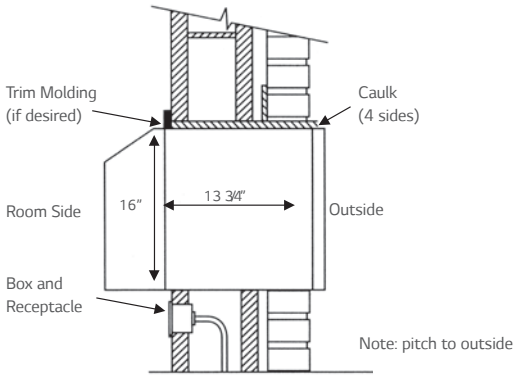
AYAGALC01A

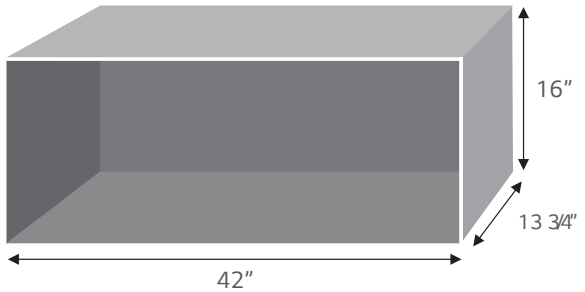
AYUH2315

AYUH2320

AYUH2330

Installation • Quick Reference





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