Residential & Light Commercial HVAC Solutions

2019 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 air conditioners and providing total sustainability and building management solutions. From consumer and individual units to industrial and specialized air conditioning systems, LG provides a wide range of products for heating, ventilating and air conditioning. For more information, please visit www.lgdfs.ca.

DUCT-FREE SYSTEMS:
A NEW WAY TO THINK ABOUT AIR CONDITIONING

LG air conditioning systems are THE smart alternative to traditional air conditioning

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

Our Commitment to You:

QUALITY LG air conditioning 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 air conditioning systems. Our continued efforts to look for the most innovative ideas in HVAC, with our commitment to building green technologies, ensures that we will continue to develop and bring to market smarter, sustainable products.

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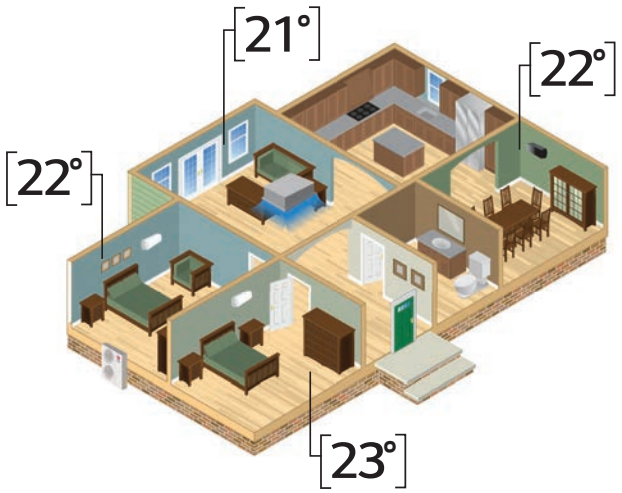
LG ADVANTAGES

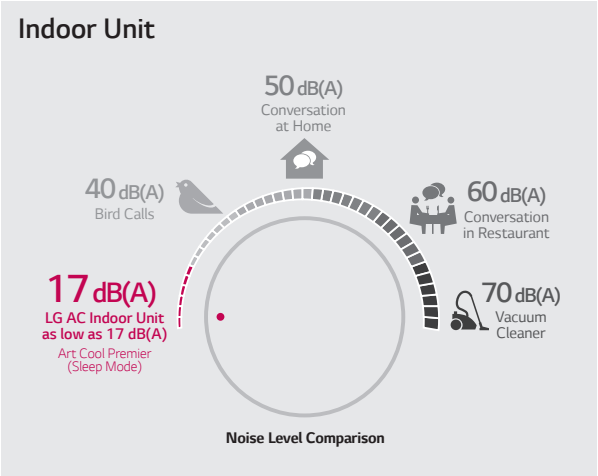
ROOM-BY-ROOM CONTROL

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



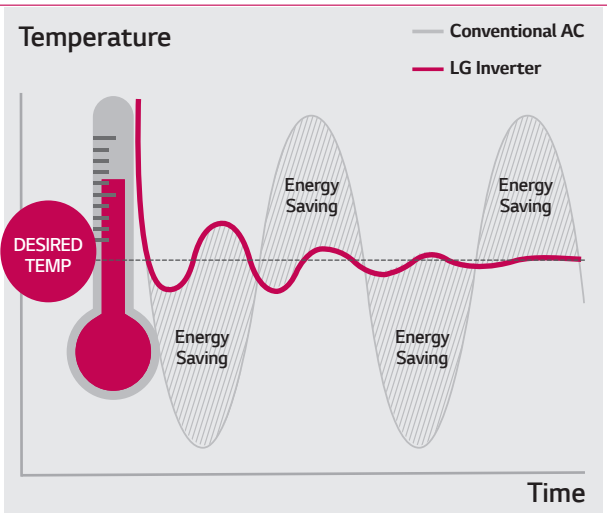
QUIET OPERATION

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 air conditioner 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 SMARTTHINQ®

Whenever, wherever and no matter how many air conditioners you have, LG SmartThinQ® let you easily access and control your air conditioner from your compatible smart device.[1]

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.

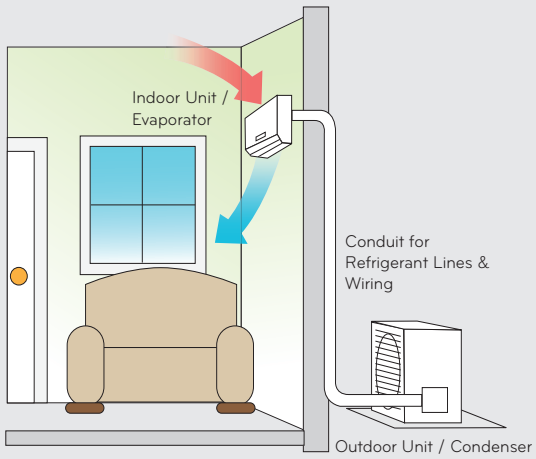


Diagram of a Single Zone System

AIR QUALITY

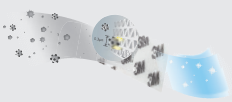
The LG duct-free indoor units utilize 3M Micro Protection Filters which reduce dust and microscopic particles including pollen, pet dander and odors. Additional primary filters are washable and antifungal, reducing life-time operation costs. Indoor units also self-clean the coil to protect against mold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

Self-Cleaning Indoor Coil

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

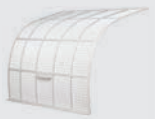
MICRO Dust Filter Powered by 3M Tech

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



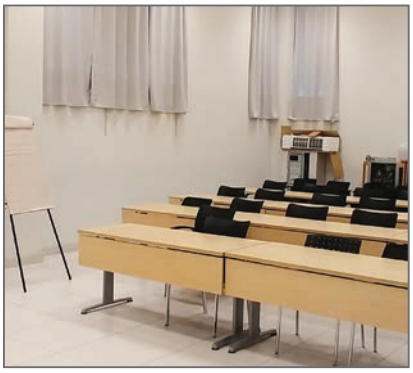
Air Filter

This primary filter captures dust size over 10μm.



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

TRAINING & RECOGNITION



Training

The LG Canada Air Conditioning 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 air conditioning 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 *Excellence 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 550 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
- Phillips Screwdriver
- Micron Gauge
- Vacuum Pump
- High-Quality Multimeter

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

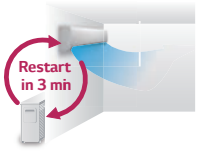
Removes frost from the outdoor coil when ambient outdoor temperatures are low and simultaneously shuts down the indoor fan to prevent cold air from being blown into the controlled space.

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
	ART COOL™ Prestige	 LA090HYV1	 LA120HYV	 LA150HYV2	 LA180HYV1	 LA240HYV1				
	ART COOL™ Mirror	 LA090HSV5	 LA120HSV5		 LA180HSV5					
	Gloss White	 LS090HSV5	 LS120HSV5		 LS180HSV5	 LS243HLV Long Piping	 LS303HLV Long Piping	 LS363HLV Long Piping		
Ceiling Mounted	4-Way Cassette	 LC098HV4	 LC128HV4		 LC188HV4	 LC247HV		 LC367HV	 LC427HV	
Ducted	High Static					 LH247HV		 LH367HV		
	Low Static	 LD097HV4	 LD127HV4		 LD187HV4					
	Vertical AHU				 LV180HV4	 LV240HV4		 LV360HV4	 LV420HV	 LV480HV

ART COOL™ PRESTIGE

LA090HYV1
LA120HYV
LA150HYV2

SmartThinQ™

Most Efficient 2019 | Most Efficient 2019 | Most Efficient 2019

Specification		Unit	LA090HYV1	LA120HYV	LA150HYV2
	Indoor Unit		LAN090HYV1	LAN120HYV	LAN150HYV2
	Outdoor Unit		LAU090HYV1	LAU120HYV	LAU150HYV2
Capacity	Rated Cooling Capacity	Btu/h	9,000	11,000	15,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,966	1,023 ~ 13,785	3,070 ~ 21,000
	Rated Heating Capacity	Btu/h	11,000	12,000	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	14,650	21,430
	Max Heating Capacity at -15°C	Btu/h	11,220	13,720	18,950
	Max Heating Capacity at -25°C	Btu/h	7,920	9,520	14,660
	SEER, EER		27.5, 15.65	25.5, 13.75	24.0, 13.48
	HSPF		12	12	12.5
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	0.58	0.8	1.11
	Heating Power Input	kW	0.71	0.75	1.39
	MCA, MOCP	A	11.2, 15	11.2, 15	19.0, 25
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	8.7/8.7	8.7/8.7	15.0/15.0
Operating Range	Heating Operation Range	°C WB	-25 ~ 18.3	-25 ~ 18.3	-25 ~ 18.3
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[6]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
	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	34-7/16x11-5/8x9-1/4	34-7/16x11-5/8x9-1/4	42-15/16x12-31/32x9-25/32
	ODU Dimensions (WxHxD)	in	30-5/16x21-1/2x11-5/16	30-5/16x21-1/2x11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	24/30	24/30	34/38
	ODU Weight (Net/Shipping)	lbs	77/82	77/82	122/131
Unit Data	Airflow (Max/H/M/L)	CFM	547/494/417/283	547/494/417/283	742/565/424/318
	Dehumidification	pts/hr	3.20	3.60	3.80
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure	Indoor (H/M/L/SL)	dB(A)	42/36/25/17	42/36/25/17	47/42/37/29
	Outdoor Max	dB(A)	45	45	57
Piping	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		AKB73835320	AKB73835320	AKB74955602

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.7˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

ART COOL™ PRESTIGE

LA180HYV1
LA240HYV1

SmartThinQ™

Most Efficient 2019

Most Efficient 2019

Specification		Unit	LA180HYV1	LA240HYV1
	Indoor Unit		LAN180HYV1	LAN240HYV1
	Outdoor Unit		LAU180HYV1	LAU240 HYV1
Capacity	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	22,000	27,000
	Heating Capacity Range	Btu/h	3,070 ~ 30,709	3,070 ~ 35,200
	Max Heating Capacity at -8.3°C	Btu/h	22,340	27,410
	Max Heating Capacity at -15°C	Btu/h	19,300	23,690
	Max Heating Capacity at -25°C	Btu/h	14,060	17,250
	SEER, EER		24, 13.48	22, 12.5
	HSPF		13	12.3
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	1.35	1.76
	Heating Power Input	kW	1.69	2.19
	MCA, MOCP	A	19, 25	19, 25
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	15.3/15.3	15.3/15.3
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[4]		PAG-HS2 / PAG-HS8	PAG-HS2 / PAG-HS8
	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	42-15/16 x 12-31/32 x 9-25/32	42-15/16 x 12-31/32 x 9-25/32
	ODU Dimensions (WxHxD)	in	34-1/4 × 31-1/2 × 12-19/32	34-1/4 × 31-1/2 × 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	34/38	34/38
	ODU Weight (Net/Shipping)	lbs	122/131	122/131
Unit Data	Airflow (Max/H/M/L)	CFM	742/565/424/318	777/565/424/318
	Dehumidification	pts/hr	3.80	4.70
	Compressor Type		Twin Rotary	Twin Rotary
	Refrigerant Type		R-410A	R-410A
Sound Pressure	Indoor (H/M/L/SL)	dB(A)	47/42/37/29	47/42/37/29
	Outdoor Max	dB(A)	57	57
Piping	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		AKB74835304	AKB74835304

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

ART COOL™ MIRROR

SmartThinQ™

LA090HSV5
LA120HSV5
LA180HSV5

Most Efficient 2019

Specification		Unit	LA090HSV5	LA120HSV5	LA180HSV5
	Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF		11.3	11.4	10.2
Power	Voltage (IDU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18	4 x 18
	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 ~ 18.3	-20 ~ 18.3	-20 ~ 18.3
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C	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	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (Max/H/M/L)[5]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[6]	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[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

GLOSS WHITE

SmartThinQ™

LS090HSV5
LS120HSV5
LS180HSV5

Specification		Unit	LS090HSV5	LS120HSV5	LS180HSV5
	Indoor Unit		LSN090HSV5	LSN120HSV5	LSN180HSV5
	Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Capacity[1,2]	Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
	Cooling Capacity Range	Btu/h	1,023 ~ 12,625	1,023 ~ 13,785	3,070 ~ 29,515
	Rated Heating Capacity	Btu/h	10,900	13,600	21,600
	Heating Capacity Range	Btu/h	1,023 ~ 17,061	1,023 ~ 22,178	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C	Btu/h	11,080	13,810	22,340
	Max Heating Capacity at -15°C	Btu/h	9,570	11,930	19,300
	Max Heating Capacity at -20°C	Btu/h	8,310	10,360	16,760
	SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
	HSPF		11.3	11.4	10.2
Power	Voltage (IDU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V- Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.62	0.96	1.43
	Heating Power Input	kW	0.71	1.04	1.73
	MCA, MOCP	A	10, 15	10, 15	13, 20
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18	4 x 18
	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 - 18.3	-20 - 18.3	-20 - 18.3
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	IDU Operation Range Heating	°C	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	32-15/16 x 12-1/8 x 7-7/16	32-15/16 x 12-1/8 x 7-7/16	39-9/32 x 13-19/32 x 8-9/32
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	18.3 / 23.4	18.3 / 23.4	25.6 / 32.2
	ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Unit Data	Airflow (Max/H/M/L)[5]	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
	Dehumidification	pts/hr	2.7	2.7	5.5
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure[6]	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[7]	Liquid Pipe	in	1/4	1/4	3/8
	Vapor Pipe	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
	Max Pipe Elevation	ft	49.2	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB74955602	AKB74955602	AKB74955602

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB).
   Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB).
   For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

GLOSS WHITE Long Piping

LS243HLV
LS303HLV
LS363HLV

SmartThinQ™

Most Efficient 2019

Specification		Unit	LS243HLV	LS303HLV	LS363HLV
	Indoor Unit		LSN243HLV	LSN303HLV	LSN363HLV
	Outdoor Unit		LSU243HLV	LSU303HLV	LSU363HLV
Capacity	Rated Cooling Capacity	Btu/h	22,000	30,000	33,000
	Cooling Capacity Range	Btu/h	3,070 ~ 29,515	3,070 ~ 34,000	3,070 ~ 34,000
	Rated Heating Capacity	Btu/h	27,000	32,000	35,200
	Heating Capacity Range	Btu/h	3,070 ~ 38,898	3,070 ~ 38,898	3,070 ~ 38,898
	Max Heating Capacity at -8.3°C	Btu/h	27,410	32,490	35,740
	Max Heating Capacity at -15°C	Btu/h	23,690	28,080	30,890
	Max Heating Capacity at 20°C	Btu/h	20,580	24,390	26,820
	SEER, EER		21.5, 12.5	19.0, 10.0	17.5, 8.18
	HSPF		11	10.0	10
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	1.76	3.00	4.04
	Heating Power Input	kW	2.38	3.10	3.84
	MCA, MOCP	A	19, 30	19, 30	19, 30
	Recommended Fuse	A	25	25	25
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	14.85/14.85	14.85/14.85	14.85/14.85
Operating Range	Heating Operation Range	°C WB	-20 - 18.3	-20 - 18.3	-20 - 18.3
	Cooling Operation Range	°C DB	-10 ~ 47.8	-10 ~ 47.8	-10 ~ 47.8
	Optional Wind Baffle[4]		PAG-HS2 / PAG-HS8	PAG-HS2 / PAG-HS8	PAG-HS2 / PAG-HS8
	IDU Operation Range Cooling	°C WB	11.7 ~ 23.9	11.7 ~ 23.9	11.7 ~ 23.9
	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	46-7/8x13-5/8x10-7/16	46-7/8x13-5/8x10-7/16	46-7/8x13-5/8x10-7/16
	ODU Dimensions (WxHxD)	in	34-1/4x31-1/2x12-19/32	34-1/4x31-1/2x12-19/32	34-1/4x31-1/2x12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	40/46	40/46	40/46
	ODU Weight (Net/Shipping)	lbs	125/133	125/133	125/133
Unit Data	Airflow (Max/H/M/L)[5]	CFM	953/848/706/530	953/848/706/530	953/848/706/530
	Dehumidification	pts/hr	5.5	5.9	6.6
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure	Indoor (H/M/L/SL)	dB(A)	49/44/40/37	49/44/40/37	49/44/40/37
	Outdoor Max	dB(A)	55	55	55
Piping	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		AKB74955602	AKB74955602	AKB74955602

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

4-WAY CASSETTE

SmartThinQ™

LC098HV4
LC128HV4
LC188HV4

LC247HV
LC367HV
LC427HV

Specification		Unit	LC098HV4	LC128HV4	LC188HV4	LC247HV	LC367HV	LC427HV
	Indoor Unit		LCN098HV4	LCN128HV4	LCN188HV4	LCN247HV	LCN367HV	LCN427HV
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV	LUU247HV	LUU367HV	LUU427HV
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	9,700 ~ 26,700	14,000 ~ 42,000	17,100 ~ 47,100
	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	10,900 ~ 30,000	14,500 ~ 45,000	17,100 ~ 52,600
	Max Heating Capacity at -8.3°C	Btu/h	9,350	11,900	17,000	21,343	30,311	34,681
	Max Heating Capacity at -15°C	Btu/h	8,250	10,500	15,000	20,778	29,250	33,351
	SEER, EER		20.2, 13.65	19.4,12.6	20.5, 12.5	17.0, 12.6	19.0, 13.5	17.0, 10.3
	HSPF		10.5	10.4	10	9.7	9.5	8.6
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	1.91	2.97	4.07
	Heating Power Input	kW	0.83	1.19	1.95	2.60	3.20	4.05
	MCA, MOCP	A	11.9, 15	12.3, 15	20, 30	18.1, 30	24.5, 40	24.5, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.1/15.1	15.1/15.1	20.2/20.8	20.2/20.8
Operating Range	Heating Operation Range	°C WB	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8	-20 ~ 17.8
	Cooling Operation Range	°C DB	-17.8 ~ 47.8	-17.8 ~ 47.8	-15.0 ~ 47.8	-15.0 ~ 47.8	-15.0 ~ 47.8	-15.0 ~ 47.8
	Optional Wind Baffle[4]		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	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
	Setpoint Range Cooling	°C	18.3 ~ 30.0	18.3 ~ 30.0	18.3 ~ 30.0	17.8 ~ 86	17.8 ~ 86	17.8 ~ 86
	Setpoint Range Heating	°C	16.1 ~ 30.0	16.1 ~ 30.0	16.1 ~ 30.0	15.5 ~ 30.0	15.5 ~ 30.0	15.5 ~ 30.0
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	33-1/16 x 8-1/32 x 33-1/16	33-1/16 x 11-11/32 x 33-1/16	33-1/16 x 11-11/32 x 33-1/16
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-15/32 x 11-11/32	30-5/16 x 21-15/32 x 11-11/32	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	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	46 / 55	55 / 65	55 / 65
	ODU Weight (Net/Shipping)	lbs	82/89	82/89	127.8 / 140.0	133 / 148	203 / 227	203 / 227
Unit Data	Airflow (H/M/L)[5]	CFM	300/265/230	335/283/247	460/424/388	600/530/459	1,060/989/918	1,060/989/918
	Dehumidification	pts/hr	1.60	2.47	3.3	5.10	7.70	7.70
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure[6]	Indoor (H/M/L)	dB(A)	36/33/30	38/35/32	41/39/36	38/36/34	46/44/43	46/44/43
	Outdoor Max	dB(A)	51	52	52	52	54	54
Piping[7]	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	6.6/246.1	6.6/246.1
	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-UMC1B/PT-UMC1	PT-UMC1B/PT-UMC1	PT-UMC1B/PT-UMC1
	Grille Weight (Net/Shipping)	lbs	7/9	7/9	7/9	11/20	11/20	11/20

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7°C dry bulb (DB) and 19.4°C wet bulb (WB) and outdoor ambient conditions of 35°C dry bulb (DB) and 23.8°C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1°C dry bulb (DB) and 15.6°C wet bulb (WB) and outdoor ambient conditions of 8.3°C dry bulb (DB) and 6.1°C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8°C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

HIGH STATIC DUCTED

SmartThinQ™

LH247HV
LH367HV

Specification		Unit	LH247HV	LH367HV
	Indoor Unit		LHN247HV	LHN367HV
	Outdoor Unit		LUU247HV	LUU367HV
Capacity	Rated Cooling Capacity	Btu/h	24,000	36,000
	Cooling Capacity Range	Btu/h	9,700 ~ 26,700	16,000 ~ 41,400
	Rated Heating Capacity	Btu/h	27,000	40,000
	Heating Capacity Range	Btu/h	10,900 ~ 30,000	17,500 ~ 48,000
	Max Heating Capacity at -8.3°C	Btu/h	20,257	32,332
	Max Heating Capacity at -15°C	Btu/h	19,556	31,200
	SEER, EER		17.0, 12.0	17.6, 12.1
	HSPF		10.0	9.2
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	2.91
	Heating Power Input	kW	2.28	3.36
	MCA, MOCP	A	18.1, 30	24.5, 40
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	15.1/15.1	20.8/21.4
Operating Range	Heating Operation Range	°C WB	-17.8 ~ 17.8	-17.8 ~ 17.8
	Cooling Operation Range	°C DB	-15.0 ~ 47.8	-15.0 ~ 47.8
	Optional Wind Baffle[6]		PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0
	IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2
	Setpoint Range Cooling	°C	17.8 ~ 30.0	17.8 ~ 30.0
	Setpoint Range Heating	°C	15.5 ~ 30.0	15.5 ~ 30.0
Dimensions	IDU Dimensions (WxHxD)	in	46-17/32 x 11-23/32 x 17-23/32	48-7/16 x 14-31/32 x 23-7/32
	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	73 / 95	125 / 139
	ODU Weight (Net/Shipping)	lbs	133 / 146	203 / 227
Unit Data	Airflow (Max/H/M/L)[7]	CFM	688/618/530	1,130/953/706
	Dehumidification	pts/hr	7.00	10.60
	Compressor Type		Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A
	Max External Static Pressure	in wg	0.78	0.60
Sound Pressure	Indoor (H/M/L)	dB(A)	38/36/35	39/38/37
	Outdoor Max	dB(A)	52	54
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipr	in	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6/164	6.6/246.1
	Max Pipe Elevation	ft	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43
	Drain (OD, ID)	in	1.25/1	1.25/1
Controller	Additional Accessory[9]		Wired Controller	Wired Controller

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. 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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. Piping lengths are equivalent.
6. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
7. Airflow shown is in cooling mode.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.
9. All LG wired controls are compatible and can be considered for control.

LOW STATIC DUCTED

SmartThinQ™

LD097HV4
LD127HV4
LD187HV4

Specification		Unit	LD097HV4	LD127HV4	LD187HV4
	Indoor Unit		LDN097HV4	LDN127HV4	LDN187HV4
	Outdoor Unit		LUU097HV	LUU127HV	LUU189HV
Capacity	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
	SEER, EER		18.5, 12.7	19.6, 12.9	18, 11.5
	HSPF		10.3	10.5	10
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
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	9.65/9.65	10.05/10.05	15.9/15.9
Operating Range	Heating Operation Range	°C WB	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	°C DB	-17.8 ~ 47.8	-17.8 ~ 47.8	-17.8 ~ 47.8
	Optional Wind Baffle[6]		PAG-HS0 / PAG-HS3	PAG-HS0 / PAG-HS3	PAG-HS6 / PAG-HS7
	IDU Operation Range Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0	13.9 ~ 25.0
	IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
	Setpoint Range Cooling	°C	18.3 ~ 30.0	18.3 ~ 30.0	18.3 ~ 30.0
	Setpoint Range Heating	°C	16.1 ~ 30.0	16.1 ~ 30.0	16.1 ~ 30.0
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 (Max/H/M/L)[7]	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
	Max External Static Pressure	in wg	0.20	0.20	0.20
Sound Pressure	Indoor (H/M/L)	dB(A)	30 / 26 / 23	31 / 28 / 27	36 / 34 / 31
	Outdoor Max	dB(A)	51	52	52
Piping	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[9]		Wired Controller	Wired Controller	Wired Controller

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. 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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. Piping lengths are equivalent.
6. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -17.8˚C in cooling mode for applicable outdoor units.
7. Airflow shown is in cooling mode.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.
9. All LG wired controls are compatible and can be considered for control.

VERTICAL AHU

SmartThinQ™

LV180HV4
LV240HV4

LV360HV4
LV420HV
LV480HV

Specification		Unit	LV180HV4	LV240HV4	LV360HV4	LV420HV	LV480HV
	Indoor Unit		LVN180HV4	LVN240HV4	LVN360HV4	LVN420HV	LVN480HV
	Outdoor Unit		LUU188HV	LUU248HV	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	8,000 ~ 24,000	9,000 ~ 28,000	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	9,000 ~ 23,000	10,000 ~ 30,000	15,000 ~ 47,000	18,000 ~ 55,000	19,000 ~ 60,000
	Max Heating Capacity at -8.3°C	Btu/h	18,000	22,000	32,000	37,000	40,000
	Max Heating Capacity at -15°C	Btu/h	16,000	20,000	30,000	32,000	34,000
	Max Heating Capacity at -20°C	Btu/h	11,000	15,000	22,000	24,000	26,000
	SEER, EER		19, 13.33	18, 12.5	18, 12.5	17, 11.05	16.5, 10
	HSPF		9.5	10	10	10	9.5
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.35	1.92	2.88	3.80	4.80
	Heating Power Input	kW	1.60	2.26	3.39	4.00	5.10
	MCA, MOCP	A	20, 30	20, 30	32, 40	32, 40	32, 40
	Power/Communication Wiring[3]	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	15.1	15.1	24.2	24.2	24.2
Operating Range	Heating Operation Range	°C WB	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	°C DB	-15.0 ~ 25.0	-15.0 ~ 25.0	-15.0 ~ 25.0	-15.0 ~ 25.0	-15.0 ~ 25.0
	Optional Wind Baffle[4]		PAG-HS6 / PAG-HS7	PAG-HS6 / PAG-HS7	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
	IDU Operation Range Cooling	°C WB	13.9 ~25.0	13.9 ~25.0	13.9 ~25.0	13.9 ~25.0	13.9 ~25.0
	IDU Operation Range Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2	15.0 ~ 27.2
	Setpoint Range Cooling	°C	18.3 ~ 30.0	18.3 ~ 30.0	18.3 ~ 30.0	18.3 ~ 30.0	18.3 ~ 30.0
	Setpoint Range Heating	°C	16.1 ~ 30.0	16.1 ~ 30.0	16.1 ~ 30.0	16.1 ~ 30.0	16.1 ~ 30.0
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	129 / 140	129 / 140	165 / 188	165 / 188	165 / 188
	ODU Weight (Net/Shipping)	lbs	129 / 141	129 / 141	203 / 232	203 / 232	203 / 232
Unit Data	Airflow (Max/H/M/L)[5]	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	2	2.5	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[6]	Indoor (H/M/L/SL)	dB(A)	42 / 42 / 41	43 / 42 / 41	45 / 44 / 43	48 / 45 / 44	49 / 48 / 44
	Outdoor Max	dB(A)	52	52	54	54	54
Piping[7]	Liquid Pipe	in	3/8	3/8	3/8	3/8	3/8
	Vapor Pipe	in	5/8	5/8	5/8	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6 / 164	6.6 / 164	6.6 / 246	6.6 / 246	6.6 / 246
	Max Pipe Elevation	ft	98.4	98.4	98.4	98.4	98.4
	Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6
	Additional Refrigerant	oz/ft	0.43	0.43	0.43	0.43	0.43
	Drain (OD, ID)	in	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT	Primary & Secondary: 3/4 FPT
Controller	Additional Accessory[9]		Wired Controller	Wired Controller	Wired Controller	Wired Controller	Wired Controller

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB). For capacity information, see engineering manual capacity tables.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -20˚C in cooling mode for applicable outdoor units.
5. Airflow shown is in cooling mode.
6. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
7. Piping lengths are equivalent.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.
9. All LG wired controls are compatible and can be considered for control.

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	ART COOL™ Mirror		 LAN090HSV5	 LAN120HSV5		 LAN180HSV5		
	Gloss White	 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						 LMHN240HV LMU Only	 LMHN360HV LMU Only
	Low Static		 LDN097HV4	 LDN127HV4		 LDN187HV4		
	Vertical AHU					 LVN180HV4	 LVN240HV4	 LVN360HV4

MULTI F OUTDOOR UNITS

LMU18CHV
LMU24CHV

LMU30CHV
LMU36CHV

Specification		Unit	LMU18CHV	LMU24CHV	LMU30CHV	LMU36CHV
Capacity	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		22.0, 13.0	21.7, 13.5	22.0, 13.0	22.0, 13.0
	HSPF		9.7	10.6	10.0	10.0
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
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18
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[7]		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)	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
	Max Total IDU Connected Capacity	Btu/h	24,000	33,000	40,000	48,000
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
	Maximum Total Pipe Length	ft	164	246.1	246.1	246.1
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8	9.8
	Maximum Pipe Length ODU to IDU	ft	82	82	82	82
	Precharge Pipe Length	ft	49.2	73.8	98.4	98.4
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6	24.6
	Factory Charge of R410A	lbs	3.96	3.96	6.18	6.18
	Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22

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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. Values when matched with non-ducted units only.
6. Piping lengths are equivalent.
7. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -20˚C in cooling mode for applicable outdoor units.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F MAX OUTDOOR UNITS

LMU480HV
LMU540HV
LMU600HV

Specification		Unit	LMU480HV	LMU540HV	LMU600HV
Capacity	Rated Cooling Capacity	Btu/h	48,000	52,500	60,000
	Cooling Capacity Range	Btu/h	14,400 ~ 58,000	14,400 ~ 63,200	15,600 ~ 68,000
	Rated Heating Capacity	Btu/h	54,000	58,000	64,000
	Heating Capacity Range	Btu/h	15,840 ~ 61,000	16,272 ~ 64,000	17,940 ~ 70,000
	Max Heating Capacity at -8.3°C	Btu/h	49,014	51,832	53,560
	Max Heating Capacity at -15°C	Btu/h	38,900	41,137	42,720
	Max Heating Capacity at -20°C	Btu/h	27,529	29,112	33,193
	SEER, EER[5]		19.5, 12.5	18.4, 10.3	20.5, 11.4
	HSPF[5]		10.0	8.7	11
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	3.84	5.1	5.26
	Heating Power Input	kW	4.32	5.4	5.33
	MCA, MOCP	A	27.3, 40	29.4, 40	32.2, 45
	Rated Amps (Cool/Heat)	A	22.96/22.96	24.76/24.76	27.06/27.06
	Power/Communication Wiring[4]	No. x AWG	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU --> BDU: 4 x 16 BDU --> IDU: 4 x 18
Operating Range	Heating Operation Range	°C WB	-20.0 ~ 17.8	-20.0 ~ 17.8	-20.0 ~ 17.8
	Cooling Operation Range	°C DB	-10.0 ~ 47.8	-10.0 ~ 47.8	-10.0 ~ 47.8
	Optional Wind Baffle[7]		PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5	PAG-HS4 / PAG-HS5
Dimensions & Weight	Dimensions (WxHxD)	in	37-13/32 × 54-11/32 × 13	37-13/32 × 54-11/32 × 13	37-13/32x54-11/32x13
	Weight (Net/Shipping)	lbs	214/236	214/236	223/249
Unit Data	Refrigerant Type		R410A	R410A	R-410A
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
	Sound Pressure (Cooling / Heating)	dB(A)	54/56	54/56	56/58
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	8	8	8
	Max Total IDU Connected Capacity	Btu/h	65,000	73,000	81,000
Piping	Liquid Pipe	in	3/8	3/8	3/8
	Vapor Pipe	in	3/4	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7	475.7
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.80
	Maximum Pipe Length ODU to IDU	ft	229.6	229.6	229.6
	Maximum Main Pipe Length	ft	180.4	180.4	180.4
	Precharge Pipe Length	ft	Main: 16.4 Branch: 131.2	Main: 16.4 Branch: 131.2	Main: 16.4 Branch: 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8	38.2
	Maximum Elevation BDU to BDU	ft	49.2	49.2	49.2
	Factory Charge of R410A	lbs	9.7	9.7	12.3
	Additional Refrigerant	oz/ft	Main: 0.54 Branch: 0.22	Main: 0.54 Branch: 0.22	Main: 0.54 Branch: 0.22

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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. Values when matched with non-ducted units only.
6. Piping lengths are equivalent.
7. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -20˚C in cooling mode for applicable outdoor units.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI HHV OUTDOOR UNITS HYPER HEAT VERSION

LMU180HHV
LMU240HHV

LGHHV

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[3]		10	10.7	11
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[4]	A	18.6, 30	19, 30	19.4, 30
	Rated Amps	A	15.33	15.73	16.13
	Power/Communication Wiring[5]	No. x AWG	4 x 18	4 x 18	4 x 18
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[6]		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)[7]	dB(A)	50, 54	52, 55	52, 55
	Maximum Air Volume	CFM	2,295	2,295	2,295
	Minimum Connectable IDUs	Qty	2	2	2
	Maximum Connectable IDUs	Qty	2	3	4
	Max Total IDU Connected Capacity	Btu/h	24,000	33,000	40,000
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
	Maximum Total Pipe Length	ft	164	246.1	246.1
	Minimum Pipe Length per Segment	ft	9.8	9.8	9.8
	Maximum Pipe Length ODU TO IDU	ft	82	82	82
	Precharge Pipe Length	ft	49.2	73.8	98.4
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6
	Factory Charge of R410A	lbs	6.18	7.05	7.05
	Additional Refrigerant	oz/ft	0.22	0.22	0.22

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 26.7˚C dry bulb (DB) and 19.4˚C wet bulb (WB) and outdoor ambient conditions of 35˚C dry bulb (DB) and 23.8˚C wet bulb (WB).
   Rated heating capacity obtained with air entering the indoor unit at 21.1˚C dry bulb (DB) and 15.6˚C wet bulb (WB) and outdoor ambient conditions of 8.3˚C dry bulb (DB) and 6.1˚C wet bulb (WB).
   For capacity information, see engineering manual capacity tables.
3. Values when matched with non-ducted units only.
4. Recommended fuse sze is 25 Amps.
5. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
6. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -20˚C in cooling mode for applicable outdoor units.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.
9. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI HHV OUTDOOR UNITS HYPER HEAT VERSION

LMU360HHV
LMU420HHV

LGHHV

Specification		Unit	LMU360HHV	LMU420HHV
Capacity	Rated Cooling Capacity	Btu/h	36,000	42,000
	Cooling Capacity Range	Btu/h	11,700 ~ 46,733	11,700 ~ 53,897
	Rated Heating Capacity	Btu/h	41,000	45,000
	Heating Capacity Range	Btu/h	13,455 ~ 50,200	13,455 ~ 55,256
	Max Heating Capacity at -8.3°C	Btu/h	45,510	49,950
	Max Heating Capacity at -15°C	Btu/h	41,000	45,000
	Max Heating Capacity at -20°C	Btu/h	36,900	39,150
	Max Heating Capacity at -25°C	Btu/h	32,390	34,200
	SEER, EER[3]		21, 15	20.5, 14
	HSPF[3]		11.5	11
Power	Voltage	V- Ø - Hz	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	2.4	3
	Heating Power Input	kW	2.93	3.3
	MCA, MOCP[4]	A	30.2, 45	30.2, 45
	Rated Amps	A	25.06	25.06
	Power/Communication Wiring[5]	A	ODU --> BDU: 4 x 16 BDU --> IDU: 4 x 18	ODU --> BDU: 4 x 16 BDU --> IDU: 4 x 18
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[6]		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)[7]	dB(A)	54 / 57	54 / 57
	Maximum Air Volume	CFM	2,119 x 2	2,119 x 2
	Minimum Connectable IDUs	Qty	2	2
	Maximum Connectable IDUs	Qty	5	6
	Max Total IDU Connected Capacity	Btu/h	48,000	56,000
Piping	Liquid Pipe	in	3/8	3/8
	Vapor Pipe	in	3/4	3/4
	Maximum Total Pipe Length	ft	475.7	475.7
	Minimum Pipe Length per Segment	ft	9.8	9.8
	Maximum Pipe Length ODU to IDU	ft	229.6	229.6
	Maximum Main Pipe Length (ODU to BDU)	ft	180.4	180.4
	Maximum Branch Piping	ft	295.3	295.3
	Maximum Pipe Length BDU to IDU	ft	49.2	49.2
	Precharge Pipe Length	ft	Main: 16.4 Branch: 131.2	Main: 16.4 Branch: 131.2
	Maximum Elevation ODU to IDU	ft	98.4	98.4
	Maximum Elevation IDU to IDU	ft	49.2	49.2
	Maximum Elevation BDU to IDU	ft	32.8	32.8
	Maximum Elevation BDU to BDU	ft	49.2	49.2
	Factory Charge of R410A	lbs	12.3	12.3
	Additional Refrigerant	oz/ft	Main: 0.54 Branch: 0.22	Main: 0.54 Branch: 0.22

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.
4. Recommended fuse sze is 25 Amps.
5. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
6. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to -20˚C in cooling mode for applicable outdoor units.
7. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745 and are the same in both cooling and heating mode. These values can increase due to ambient conditions during operation.
8. Piping lengths are equivalent.
9. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

ART COOL™ Mirror

Specification		Unit	LAN090HSV5	LAN120HSV5	LAN180HSV5
Capacity	Cooling	Btu/h	9,000	12,000	18,000
	Heating	Btu/h	10,900	13,600	21,600
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18
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		AKB74955602	AKB74955602	AKB74955602

Gloss White

Specification		Unit	LMN079HVT	LSN090HSV5	LSN120HSV5	LMN159HVT	LSN180HSV5	LMN249HVT
Capacity	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
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18
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		AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602	AKB74955602

Note:
1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

4-Way Cassette

Specification		Unit	LMCN078HV	LCN098HV4	LCN128HV4	LCN188HV4
Capacity	Cooling	Btu/h	7,000	9,000	12,000	18,000
	Heating	Btu/h	8,100	10,400	13,800	20,800
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18
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[5]		AKB73757604	AKB73757604	AKB73757604	AKB73757604
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

High Static Ducted

Specification		Unit	LMHN240HV	LMHN360HV
Capacity	Cooling	Btu/h	24,000	36,000
	Heating	Btu/h	27,000	40,000
Power	Voltage	V, Ø, Hz	208/230-1-63	208/230-1-64
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18
Operating Range	Cooling	°C WB	13.9 ~ 25.0	13.9 ~ 25.0
	Heating	°C DB	15.0 ~ 27.2	15.0 ~ 27.2
Fan	Type		Sirocco	Sirocco
	Motor Output x Qty	W	154 x 1	350 x 1
	Motor/Drive		BLDC	BLDC
	Airflow (H/M/L)	CFM	688/618/530	1,130/953/706
Unit Data	Rated Amps	A	0.9	1.4
	Factory Set External Static Pressure	in. wg	0.39	0.39
	Max. External Static Pressure	in. wg	0.78	0.55
	Sound Pressure Level (H/M/L)[3]	dB(A)	37/36/35	44/42/40
	Dimensions (WxHxD)	in	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32
	Weight (Net/Shipping)	lbs	80/91	91/101
Piping	Liquid Pipe	in	1/4	3/8
	Vapor Pipe	in	1/2	5/8
	Drain (OD/ID)	in	1-1/4, 1	1-1/4, 1
Controller	Additional Accessory[6]		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. 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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
5. All LG wired controls are compatible and can be considered for control.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI F INDOOR UNITS

Low Static Ducted

Specification		Unit	LDN097HV4	LDN127HV4	LDN187HV4
Capacity	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
	Power/Communication Wiring[4]	No. x AWG	4 x 18	4 x 18	4 x 18
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[5]		Wired Controller	Wired Controller	Wired Controller

Vertical AHU

	Specification	Unit	LVN180HV4	LVN240HV4	LVN360HV4
Capacity	Cooling	Btu/h	18,000	24,000	36,000
	Heating	Btu/h	20,000	27,000	40,000
Power	Voltage	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power/Communication Wiring[5]	No. x AWG	4 x 18	4 x 18	4 x 18
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	129/140	129/140	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[6]		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. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
6. All LG wired controls are compatible and can be considered for control.
7. Due to our commitment to continued innovation, some specifications may be changed without notification.

NOTES

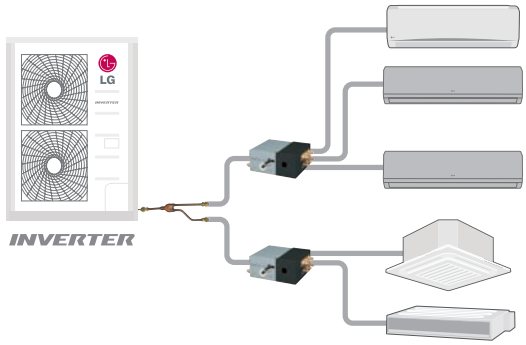
MULTI F MAX PIPING ACCESSORIES

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.

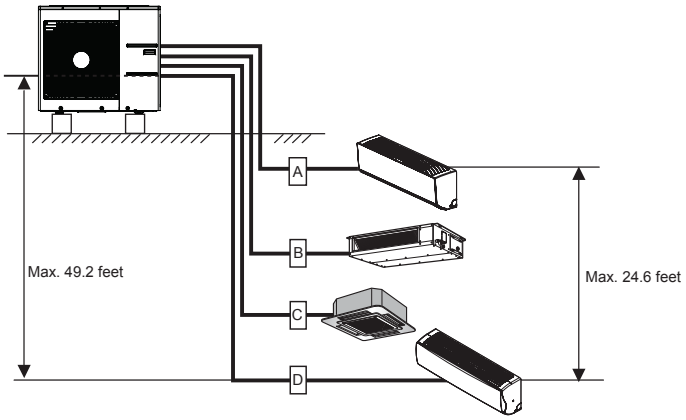
MULTI F PIPING SUMMARY

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.

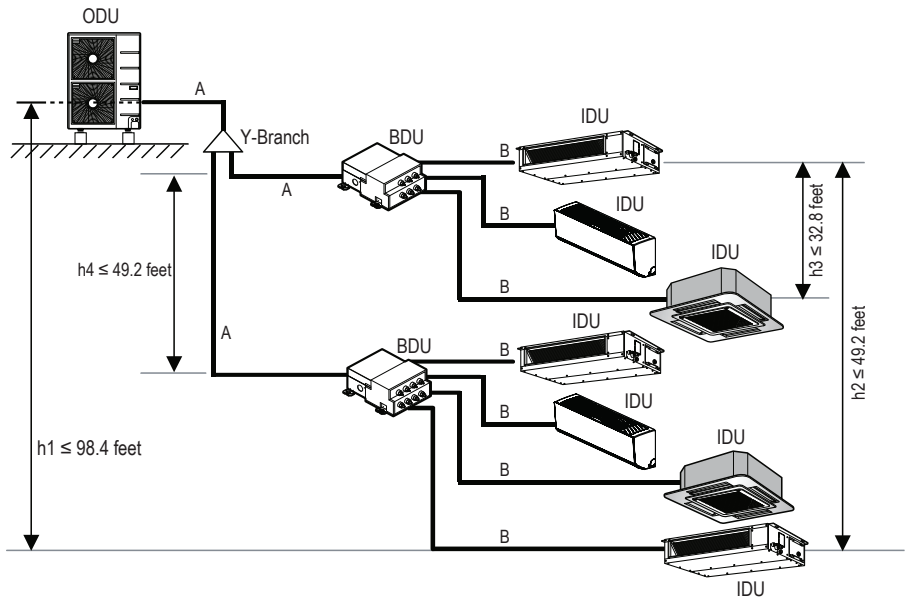
Model Number	Min Length Each Pipe (ft.)	Maximum Piping Length to each IDU (ft.)				Max. Total Piping Length for Each System (ft.)
		A	B	C	D	
LMU18CHV	10	82	82	-	-	164
LMU24CHV	10	82	82	82	-	246.1
LMU30CHV	10	82	82	82	82	246.1
LMU36CHV	10	82	82	82	82	246.1



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))

CONTROLS

Individual Control


PREMTC00U


PQWRHQ0FDB


PREMTB100


PREMTA000


PREMTBVC0
PREMTBVC1


ZRTBS01

Model	Description
PREMTC00U	Simple Wired Remote Controller
PQWRHQ0FDB	Wireless Remote Controller
PREMTB100	RS3 Standard Remote Controller
PREMTA000	Premium Wired Remote Controller
PREMTBVC0	LG MultiSITE™ Remote Controller
PREMTBVC1	LG MultiSITE™ Remote Controller with Occupancy Sensor
ZRTBS01	Remote Temperature Button Sensor

LG MultiSITE™ Remote Controller Accessories


ZVRCZDWS1


ZVRCZWOC1


ZVRCZCOC1

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

Integration Devices


PBACNBTR0


PLNWKB100
PQNFB17C2


PMNFP14A1


PDRYCB100
PDRYCB300
PDRYCB400


PZCWRC1
PWYREG100


PACP4B001


PACS4B000
PBACNA000

Model	Description
PBACNBTR0	LG MultiSITE™ Communications Manager
PDRYCB100	Simple Dry Contact
PDRYCB300	Dry Contact for Thermostat (5-12Vdc, 24Vac)
PDRYCB400	Dry Contact for Economizer/Setback
PLNWKB100	LonWorks® Gateway
PQNFB17C2	ACP BACnet® Gateway
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)
PACP4B001	ACP IV
PACS4B000	AC Smart IV
PBACNA000	AC Smart BACnet® Gateway

ACCESSORIES

Indoor Accessories


PCRCUDT3
PWFMDD200


PRARH0
PRARS1


PTEGM0


PTDCM
PTDCQ


PT-QCHW0
PT-UMC1
PT-UQC


PTVK410


PTVK420


PTVK430


PTPKM0
PTPKQ0


ANEH***B1
ANEH***B2

Type	Model	Description	Used with
Wi-Fi Module	PCRCUDT3	Wi-Fi Module (for use with LG SmartThinQ™)	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	PRARH0	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-UMC1B	4-Way Ceiling Cassette Black 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
Plasma Filter Kit	PTPKM0	Plasma Filter Kit for 4-Way Ceiling Cassette	LCN***HV[1]
	PTPKQ0	Plasma Filter Kit for 4-Way Ceiling Cassette	LMCN***HV, LCN***HV4
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	ZFBXBG01A	High-capacity filter box for BG HSD chassis	LMHN***HV, LHN247HV
	ZFBXBR01A	High-capacity filter box for BR HSD chassis	LHN367HV

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

Base Pan Heater

Wind Baffle

Category	Model	Description	Used with
Low Ambient Kit	PAG-HS0 / PAGS-HS3 / PQCA0	Wind Baffle & Low Ambient Kit for Low Ambient Cooling	9kBtu & 12kBtu | HSV5, HYV1, LUU***HV
	PAG-HS2 / PAG-HS8 / PQCA0	Wind Baffle & Low Ambient Kit for Low Ambient Cooling	15kBtu+ | HYV1, HYV2, HSV5, HLV
			24kBtu | HSV3
	PAG-HS2 / PAG-HS8 / PQCA0	Wind Baffle & Low Ambient Kit for Low Ambient Cooling	LMU18CHV, LMU24CHV
	PAG-HS6 / PAG-HS7 / PQCA0	Wind Baffle & Low Ambient Kit for Low Ambient Cooling	LMU30CHV, LMU36CHV, LUU18*HV, LUU24*HV
	PAG-HS4 / PAG-HS5 / PQCA0	Wind Baffle & Low Ambient Kit for Low Ambient Cooling	Multi F Max , LUU36*HV, LUU42*HV, LUU48*HV
Base Pan Heater	PQSH1200	Base Pan Heater for Multi F and Single Zone (Cassette & Ducted styles)	All Multi F and Multi F MAX Outdoor Units LUU18*HV, LUU24*HV, LUU36*HV, LUU42*HV, LUU48*HV[3]
	PQSH1201	Base Pan Heater for Single Zone (Wall Mounted styles)	LSU180HSV5, LAU240HSV3[2], LSU303HLV, LSU363HLV
	PQSH1202	Base Pan Heater for Single Zone (Cassette & Ducted styles)	LUU09*HV, LUU12*HV[4]

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
PDRYCB300

ZRTBS01

PWYREG100
PZCWRC1

PRARS1
PRARH0

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	Aux Heater Relay Kit
		PCRCUDT3	PWFMDD200	PREMTBVC1 PREMTBVC0	PREMTB100	PDRYCB100 PDRYCB400	PDRYCB300	ZRTBS01	PWYREG100	PZCWRC1	PRARS1	PRARH0
Gloss White	LS---HSV5	Built-in	-	O	O	O	O	X	X	O	X	-
Gloss White	LS--3HLV	Built-in	-	O	O	O	O	X	X	O	X	-
Art Cool Mirror	LA---HSV5	Built-in	-	O	O	O	O	X	X	O	X	-
Art Cool Prestige	LA-HYV1	O	-	O	O	O	O	X	X	O	X	-
	LA-HYV2	O	-	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 AH	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	Aux Heater Relay Kit
		PCRCUDT3	PWFMDD200	PREMTBVC1 PREMTBVC0	PREMTB100	PDRYCB100 PDRYCB400	PDRYCB300	ZRTBS01	PWYREG100	PZCWRC1	PRARS1	PRARH0
Gloss White	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	-
Art Cool Mirror	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
	LMCN185HV	-	O	O	O	O	O	O	O	O	-	O[2]
High Static Duct	LMHN240HV	-	X	O	O	O	O	O	O	O	-	O
	LMHN360HV	-	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	LVN180HV4	-	O	O	O	O	Built-in	O	O	O	-	O
	LVN240HV4	-	O	O	O	O	Built-in	O	O	O	-	O
	LVN360HV4	-	O	O	O	O	Built-in	O	O	O	-	O
	LMVN360HV	-	X	O	O	O	O	O	O	O	-	O

Note:
"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable.
Some IDUs have a control wire terminal block to connect a wired controller with field-supplied control cable instead of the LG control cable (with Molex connection). See IDU engineering manual or installation manual for details.
1. 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


PBACNBTR0A


PMNFP14A1


PACS4B000
PBACNA000


PACP4B001


PQNFB17C2


PLNWKB100


PSWMOZ3


PLGMVW100

Single Zone		PI485 for ODU	PDI Premium & Standard	AC Smart IV Central Control	ACP IV Central Control	LG MultiSITE™ Communications Manager	AC Smart BACnet®	ACP IV BACnet®	ACP LonWorks®	LG SIMS	LGMV Hard Lock Key & Cable	Mobile LGMV[1]
		PMNFP14A1	PQNUD1S41 PPWRDB000	PACS4B000	PACP4B001	PBACNBTR0A	PBACNA000	PQNFB17C2	PLNWKB100	PSWMOZ3	PRCTIL0	PLGMVW100
Art Cool Prestige	LA090HYV1 LA120HYV	X	X	X	X	X	X	X	X	O	O	X
	LA150HYV2 LA180HYV1 LA240HYV1	O	O	O	O	O	O	O	O	O	O	X
Art Cool Mirror	LA---HSV5	O	O	O	O	O	O	O	O	O	O	X
Gloss White	LS---HSV5	O	O	O	O	O	O	O	O	O	O	X
Gloss White Long Piping	LS---HLV	O	O	O	O	O	O	O	O	O	O	X
4-Way Cassette	LC---HV4	O	O	O	O	O	O	O	O	O	O	X
	LC---HV	O	O	O	O	O	O	O	O	O	O	X
Ducted	LH---HV	O	O	O	O	O	O	O	O	O	O	X
	LD---HV4	O	O	O	O	O	O	O	O	O	O	X
Vertical AHU	LV---HV4	O	O	O	O	O	O	O	O	O	O	X
	LV---HV	O	O	O	O	O	O	O	O	O	O	X

Multi-Zone		PI485 for ODU	PDI Premium & Standard	AC Smart IV Central Control	ACP IV Central Control	MultiSITE Communications Manager	AC Smart BACnet®	ACP IV BACnet®	ACP LonWorks®	LG SIMS	LGMV Hard Lock Key & Cable	Mobile LGMV
		PMNFP14A1	PQNUD1S41 PPWRDB000	PACS4B000	PACP4B001	PBACNBTR0	PBACNA000	PQNFB17C2	PLNWKB100	PSWMOZ3	PRCTIL0	PLGMVW100
Multi F	LMU18CHV	O	O	O	O	O	O	O	O	O	O	O
	LMU180HHV	O	O	O	O	O	O	O	O	O	O	O
	LMU24CHV	O	O	O	O	O	O	O	O	O	O	O
	LMU240HHV	O	O	O	O	O	O	O	O	O	O	O
	LMU30CHV	O	O	O	O	O	O	O	O	O	O	O
	LMU300HHV	O	O	O	O	O	O	O	O	O	O	O
	LMU36CHV	O	O	O	O	O	O	O	O	O	O	O
Multi F MAX	LMU360HHV	O	O	O	O	O	O	O	O	O	O	O
	LMU420HHV	O	O	O	O	O	O	O	O	O	O	O
	LMU480HV	O	O	O	O	O	O	O	O	O	O	O
	LMU540HV	O	O	O	O	O	O	O	O	O	O	O
	LMU600HV	O	O	O	O	O	O	O	O	O	O	O

Note:
"O" in a cell indicates available; "X" indicates not available; "-" indicates not applicable
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.

★ = Most Efficient 2019 ENERGY STAR www.energystar.gov

Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF	Most Efficient[1]
7947563	LAU090HYV1	LAN090HYV1	15.65	27.50	12.00	★
7849625	LAU120HYV	LAN120HYV	13.80	25.50	12.00	★
9680935	LAU150HYV2	LAN150HYV2	13.50	24.00	12.50	★
8584525	LAU180HYV1	LAN180HYV1	13.50	24.00	12.50	★
8584526	LAU240HYV1	LAN240HYV1	12.50	22.00	12.00	★
10567393	LSU090HSV5	LAN090HSV5	14.50	23.50	11.30	★
10570122	LSU120HSV5	LAN120HSV5	12.50	22.70	11.40	★
10567390	LSU180HSV5	LAN180HSV5	12.60	21.50	10.20	★
10567394	LSU090HSV5	LSN090HSV5	14.50	23.50	11.30	★
10570123	LSU120HSV5	LSN120HSV5	12.50	22.70	11.40	★
10567391	LSU180HSV5	LSN180HSV5	12.60	21.50	10.20	★
9122552	LSU243HLV	LSN243HLV	12.50	21.50	11.00	★
8931560	LUU097HV	LCN098HV4	13.65	20.20	10.50	
8905114	LUU127HV	LCN128HV4	12.60	19.40	10.40	
5859619	LUU189HV	LCN188HV4	12.50	20.50	10.00	
5584107	LUU247HV	LCN247HV	12.60	17.00	9.70	
5859620	LUU367HV	LCN367HV	13.50	19.00	9.50	
10513886	LUU188HV	LVN180HV4	13.30	19.00	9.50	
10513887	LUU248HV	LVN240HV4	12.50	18.00	10.00	
10399150	LUU368HV	LVN360HV4	12.50	18.00	10.00	

Multi-Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95° F	SEER	HSPF
7180060	LMU18CHV	Non-Ducted Indoor Units	13.00	22.00	9.70
10445372	LMU180HHV	Non-Ducted Indoor Units	13.50	21.00	10.00
7180062	LMU24CHV	Non-Ducted Indoor Units	13.50	21.70	10.60
7184507	LMU24CHV	Mixed Ducted and Non-ducted Indoor Units	12.50	19.60	10.20
10445374	LMU240HHV	Non-Ducted Indoor Units	13.50	21.00	10.70
8111355	LMU30CHV	Non-Ducted Indoor Units	13.00	22.00	10.00
10445376	LMU300HHV	Non-Ducted Indoor Units	12.50	20.00	11.00
7180063	LMU36CHV	Non-Ducted Indoor Units	13.00	22.00	10.00
10443472	LMU360HHV	Non-Ducted Indoor Units	15.00	21.00	11.50
10443475	LMU360HHV	Ducted Indoor Units	13.50	17.50	10.50
10443471	LMU420HHV	Non-Ducted Indoor Units	14.00	20.50	11.00
10443474	LMU420HHV	Ducted Indoor Units	13.00	19.00	10.50
8111358	LMU480HV	Non-Ducted Indoor Units	12.50	19.50	10.00

Note:
1. Indicates unit is listed as ENERGY STAR® Most Efficient 2019. List is current as of January 2019. For the most up-to-date list of ENERGY STAR® and ENERGY STAR® Most Efficient models, visit the AHRI Directory at ahridirectory.org.

Most Efficient 2019 ENERGY STAR www.energystar.gov

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

Select LG air conditioning systems may make homeowners eligible for equipment-related tax benefits and credits. Visit **rebates.lghvac.com** to see of your LG air conditioning system qualifies.

HOW TO READ LG MODEL NUMBERS

SINGLE ZONE SYSTEMS – INDOOR/OUTDOOR

L	A	N	09	0	H	YV	1
Brand	Family	Component	Nominal Capacity	Generation	Cycle	Product Type	Features

Brand	**L**	LG		
Family	**A**	Art Cool™ Wall Mounted	**H**	Ceiling-Concealed Duct (High Static)
	C	Four-Way Ceiling Cassette	**S**	Standard Wall Mounted
	D	Ceiling-Concealed Duct (Low Static)	**U**	Cassette/Duct ODU
			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**	Gloss White Long Piping Inverter	**V**	Gloss White Inverter
	SV	Art Cool™ Mirror Inverter & Gloss White Inverter	**YV**	Art Cool™ 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**	Art Cool™ Wall Mounted Indoor Unit	**N**	Standard Wall Mounted Indoor Unit
	CN	Four-Way Ceiling-Cassette Indoor Unit	**VN**	Vertical-Horizontal Air Handling Indoor Unit
	DN	Ceiling-Concealed Duct (Low Static) Indoor Unit	**U**	Outdoor Unit
	HN	Ceiling-Concealed Duct (High Static) Indoor Unit		
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.

NOTES

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