LG
Life's Good

MULTI F
MULTI F MAX

HEAT PUMP SYSTEM
ENGINEERING MANUAL

Multi-Zone Heat Pump Systems

1.5 to 4.5 Tons



Dual and Tri-Zone
Multi F



Quad-Zone
Multi F



Eight-Zone
Multi F MAX

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MULTI F
MULTI F MAX

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TABLE OF SYMBOLS

⚠ **WARNING**	*This symbol indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.*
Note	*This symbol indicates additional helpful information such as an explanation, a comment, or a clarification about the subject.*
✓	*This symbol indicates a recommendation or tip. Recommendations instruct the user to apply the suggested practice to ensure the best operating results in order to achieve the maximum benefit of the product. Tips contain practical information that may help the user solve a problem or describe actions that may save time.*

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CONVERGENCE OF TECHNOLOGY, INNOVATION, FLEXIBILITY, & STYLE

About LG Electronics, Inc.

LG Electronics, Inc. is a global leader and technology innovator in consumer electronics, mobile communications, and home appliances, employing more than 213,000 people in more than 60 countries worldwide. LG Electronics, Inc. comprises five business units—Home Entertainment, Mobile Communications, Air Conditioning, Business Solutions, and Home Appliance. LG is one of the world's leading producers of flat panel televisions, audio and video products, mobile handsets, air conditioners, and washing machines. LG's commercial air conditioning business unit was established in 1968 and has built its lineup of residential and commercial products to include VRF, Multi F, duct-free split systems, packaged terminal air conditioners (PTACs), and room air conditioners. In 2011, the air conditioning and energy solutions business unit grew to include LED lighting and solar products. For more information, visit www.lg-dfs.com.

Multi-Zone Systems

LG HVAC systems offer a range of solutions that are cost efficient, quiet and attractive. Multi-zone systems are "split" into indoor and outdoor units, and provide a smart alternative to both central HVAC and window-mounted air conditioners. These inverter heat pump systems are available in a variety of configurations to suit different cooling and heating situations. Installation by a qualified HVAC contractor is safe and easy – little to no duct work or sheet metal is required.

Benefits of Multi F Systems

- Individual zone control
- Long refrigerant piping lengths
- High refrigerant piping elevation differences
- Maximum flexibility
- Operating ranges of 14°F to 118°F in cooling and 0°F to 64°F in heating
- Quiet and comfortable environment
- Reduced ductwork



Multi F Systems

LG's inverter heat pumps can support two, three, or four indoor units that are typically installed in separate rooms. Each indoor unit includes its own remote control, allowing the customer to set the temperature individually. Indoor units are available in several different configurations: Art Cool™ Mirror wall-mounted, Art Cool Gallery wall-mounted, standard wall-mounted, four-way ceiling cassettes, ceiling-concealed duct (high and low static), and vertical-horizontal air handling models. Multi F MAX systems, released in 2012, can operate up to eight indoor units through two-, three-, or four-port branch distribution units.

Adaptable and Flexible

Multi F outdoor units can be adapted to a wide range of building applications and sizes such as schools, hotels, hospitals, offices, and residences. The system components are lightweight and compact so they can be placed in buildings without expensive cranes, they easily fit into most service elevators, and they can be set in place with minimal structural reinforcements requirements.

Multi F technology allows you to pipe farther by reaching areas of the building that would require the installation of a second system when using traditional direct-expansion cooling and heating equipment. Multi F provides the designer with uncompromised pipe system engineering flexibility—long pipe runs and large elevation differences. Whether your building is a condominium, a hotel, a school, or an office complex, Multi F is best suited to reach the farthest corners and elevations.

Smaller Chases and Plenums

LG Multi F systems use refrigerant piping to move heat, resulting in smaller space requirements for piping as compared to chilled water or roof top systems. This helps reduce the overall construction and material cost of the building, and gives back leasable space. Flexible and logical placement of system components, reduced back-and-forth pipe lengths, and fewer joints lowers installation costs and minimizes potential leaking.

Quality Commitment

LG is committed to the success of DFS projects. We provide technical support during installation and commissioning. LG offers a variety of classes designed for installers and servicers on Multi F installation. Classes are conducted at LG's training centers and in field locations at various times throughout the year and upon special request.



MULTI F

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PRODUCT INTRODUCTION

“Unit Nomenclature” on page 6

“Outdoor Unit Overview” on page 7

“Indoor Unit Overview” on page 8

“Controls and Options Overview” on page 9

UNIT NOMENCLATURE

Multi-Zone Systems — Indoor Units and Outdoor Units

L	M	AN	12	7	HVT

L = LG
Type: M = Multi-Zone

Component:
AN: Art Cool™ Wall-Mounted Indoor Unit
N: Standard Wall-Mounted Indoor Unit
CN: Four-Way Ceiling-Cassette Indoor Unit
DN: Ceiling-Concealed Duct (Low Static) Indoor Unit
HN: Ceiling-Concealed Duct (High Static) Indoor Unit
VN: Vertical-Horizontal Air Handling Indoor Unit
U: Outdoor Unit

Nominal Capacity
(Nominal cooling capacity in Btu/h):

09 = 9,000	24 = 24,000
12 = 12,000	36 = 36,000
18 = 18,000	54 = 54,000

Generation

Features:
H = Heat Pump
V = Inverter
T = High Wall-Mounted Indoor Unit
P = Art Cool Gallery Indoor Unit

Branch Distribution Units

P	M	BD	36	2	0

P = Part (Accessory)
Type: M = Multi-Zone

BD: Branch Distribution Unit

Family

Number of Port Connections
(Maximum Number of Connectable Indoor Units): 2, 3, 4

Generation: 0, 1

Note:

- *Voltage for all equipment is 208-230V, 60 Hz, 1-phase.*
- *All indoor units are compatible with wired controllers*
- *All outdoor units are LGAP control network compatible with PI-485 V-net Control Integration Board (PMNFP14A0, sold separately).*

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OUTDOOR UNIT OVERVIEW

Table 1: Summary Data—Multi F / Multi F MAX Outdoor Units

Outdoor Unit Type	Model Number[1]	Dimensions (W x H x D) (inches)	Nominal Cooling Capacity Btu/h[2]	Net Weight (lbs.)	No. of Connectable Indoor Units[3]	Pipe Connections (inches, O.D.) (Liquid, Vapor)
Multi F Dual-Zone 	LMU187HV	34-1/4 x 31-13/16 x 12-19/32	18,000	124	2-2	1/4 x 2 Each, 3/8 x 2 Each
Multi F Tri-Zone 	LMU247HV	34-1/4 x 31-13/16 x 12-19/32	24,000	131	2-3	1/4 x 3 Each, 3/8 x 3 Each
Multi F Quad-Zone 	LMU369HV	35-7/16 x 45-7/8 x 14-9/16	36,000	199	2-4	1/4 x 4 Each, 3/8 x 4 Each
Multi F MAX Eight-Zone 	LMU540HV	37-13/32 x 54-11/32 x 13	54,000	214	2-8	3/8 x 1 Each, 3/4 x 1 Each

[1]Model number shows nominal capacity and frame size designator.

[2]Nominal capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

[3]Minimum number of connectable indoor units is two (2).

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INDOOR UNIT OVERVIEW

Table 2: Summary Data—Multi F Indoor Units.

Indoor Unit Type	Model Number[1]	Dimensions (W x H x D) (inches)	Nominal Cooling Capacity Btu/h[2]	Air Flow Rate (CFM) (H/M/L[3])	Net Weight (lbs.)	Pipe Connections (inches, O.D.) (Liquid, Vapor)
Art Cool™ Mirror Wall-Mounted 	LMAN097HVT	35-1/4 × 11-3/8 × 8-1/16	9,000	247 / 230 / 212	25	1/4, 3/8
	LMAN127HVT		12,000	335 / 318 / 300		
	LMAN187HVT	40-9/16 x 12-25/32 x 9-21/32	18,000	572 / 501 / 434	35	1/4, 1/2
Art Cool™ Gallery Wall-Mounted 	LMAN097HVP	23-5/8 x 23-5/8 x 5-25/32	9,000	272 / 208 / 155	32	1/4, 3/8
	LMAN127HVP		12,000	314 / 258 / 198		
Standard Wall-Mounted 	LMN097HVT	35-1/4 x 11-3/8 x 8-9/32	9,000	247 / 230 / 212	23	1/4, 3/8
	LMN127HVT		12,000	335 / 318 / 300		
	LMN187HVT	40-9/16 x 12-25/32 x 9-27/32	18,000	572 / 501 / 434	32	1/4, 1/2
Ceiling-Concealed Duct (Low Static) 	LMDN095HV	32-9/32 x 7-1/2 x 22-5/8	9,000	300 / 265 / 229	46	1/4, 3/8
	LMDN125HV		12,000	335 / 300 / 265		
	LMDN185HV	43-5/16 x 7-1/2 x 22-5/8	18,000	530 / 477 / 406	59	1/4, 1/2
Ceiling-Concealed Duct (High Static) 	LMHN240HV	46-17/32 x 11-23/32 x 17-23/32	24,000	688 / 618 / 530	80	1/4, 1/2
	LMHN360HV		36,000	1,130 / 953 / 706	91	3/8, 5/8
Four-Way Ceiling Cassette 	LMCN125HV	Body: 22-7/16 x 8-7/16 x 22-7/16 Panel: 27-9/16 x 7/8 x 27-9/16	12,000	335 / 283 / 247	31 (Body), 7 (Panel)	1/4, 3/8
	LMCN185HV	Body: 22-7/16 x 10-3/32 x 22-7/16 Panel: 27-9/16 x 7/8 x 27-9/16	18,000	459 / 424 / 388	34 (Body), 7 (Panel)	1/4, 1/2
Vertical-Horizontal Air Handling 	LMVN240HV	18 x 48-21/32 x 21-1/4	24,000	710 / 640 / 480	117	1/4, 1/2
	LMVN360HV		36,000	990 / 880 / 800	121	3/8, 5/8

[1]Model number shows nominal capacity and frame size designator.

[2]Nominal capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

[3]H/M/L = High/Medium/Low.

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CONTROLS AND OPTIONS OVERVIEW

Table 3: Summary Data—Zone Controllers.

Zone Controller	Name	Model / Part No.	Case Color	Max. Wire Length (ft.)	Description
	Simple Controller with Mode Selection	PQRCVCL0	Black	164	Allows control of indoor unit ON / OFF, operation mode, fan speed, and temperature setpoint for up to 16 indoor units. Included with Ceiling-Concealed Duct (High Static[1]) and Vertical-Horizontal Air Handling[1] indoor units; optional accessory for all other indoor unit types.
		AKB72955816[1]	White		
	Simple Controller with Mode Selection	6711A20116R[2]	White	164	Allows control of indoor unit ON / OFF, operation mode, fan speed, and temperature setpoint for up to 16 indoor units. Included with Ceiling-Concealed Duct (Low Static[2]) indoor units; optional accessory for all other indoor unit types.
	Simple Controller without Mode Selection	PQRCHCA0	Black	164	Allows control of indoor unit ON / OFF, fan speed, and temperature setpoint for up to 16 indoor units.
		PQRCHCA0QW	White		
	LG 7-Day Programmable Thermostat	PREMTB10U	White	164	Allows control of indoor unit ON / OFF, operation mode, occupied / unoccupied temperature setpoints, fan speed, and airflow direction for up to 16 indoor units. Programmable schedule with five events per day.
	Wireless Handheld Controller	AKB73635606[3] AKB73635607[4] AKB73757604[5]	Ivory	-	Allows control of indoor unit ON / OFF, operation mode, fan speed, and temperature setpoint. Also provides subfunction control. Included with Art Cool Mirror[3] and Gallery[4] Wall-Mounted, Standard[3] Wall-Mounted, and Four-Way Cassette[5] indoor units; optional accessory for Duct and Vertical-Horizontal AHU with use of wired controller.
	Wall-Mounted Remote Temperature Sensor	PQRSTA0	Ivory	50	Allows remote temperature measurement for four-way ceiling cassette, ceiling-concealed duct, and vertical-horizontal air handling indoor units.

[1]Simple Mode Controllers for the ceiling-concealed duct (high static) and the vertical-horizontal air handling indoor units are also referenced by Model No. PQRCVCL0QW.

[2]Simple Mode Controllers for the ceiling-concealed duct (low static) indoor units are also referenced by Model No. PQRCUCS0C.

[5]Wireless Handheld Controller for the four-way ceiling cassette indoor units is also referenced by Model No. PQWRHQ0FDB.

Before specifying or placing an order, refer to the V-Net Network Solutions Engineering Product Data Book, and review the detailed technical data provided to fully understand the capabilities and limitations of these devices.

For information on controller capabilities, refer to the Controls and Options Table on page 12.

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Table 4: Summary Data—Zone Controller Communication Cables.

Communication Cable	Name	Model No.	Max. Wire Length (ft.)	Description
	Wired Remote Group Control Cable Assembly	PZCWRCG3	32	Required when grouping multiple indoor units with a single zone controller.
	Wired Remote / Group Control Extension Cable	PZCWRC1	32	Increases the distance between a remote controller and an indoor unit, or between indoor units in a control group.

Before specifying or placing an order, refer to the V-Net Network Solutions Engineering Product Data Book, and review the detailed technical data provided to fully understand the capabilities and limitations of these devices.

For information on controller capabilities, refer to the Controls and Options Table on page 12.

Table 5: Summary Data—Specialty Application Devices.

Specialty Application Device	Name	Model No.	Connects to	Application	Binary Signals Input / Output	Description
	Dry Contact Unit 24 VAC	PQDSB1	Indoor Unit	ON / OFF, Run Status, Error Status	1 / 2	Enables the indoor unit to be controlled and monitored by third-party controls using binary inputs and outputs.
	Dry Contact Unit for Setback	PQDSBC		ON / OFF, Mode, Controller Lock, Power Save, Run Status, Error Status	2 / 2	
	Dry Contact Unit for Thermostat	PQDSBNGCM1		ON / OFF, Thermo ON / OFF, Mode, Fan Speed, Run Status, Error Status	—	Enables the indoor unit to be controlled and monitored by a third-party thermostat or controller.
	PI-485 V-net Control Integration Board	PMNFP14A0	Outdoor Unit	—	—	Control integration to LG V-net controls (AC Smart Premium, ACP, BACnet, LonWorks, etc.)
	Power Distribution Indicator (PDI) Premium	PQNUD1S41	Comm. BUS	Energy Consumption Monitoring	8 / 0	Monitors total outdoor unit power consumption for up to eight systems, and distributes per indoor unit based on weighted calculation.

Before specifying or placing an order, refer to the V-Net Network Solutions Engineering Product Data Book, and review the detailed technical data provided to fully understand the capabilities and limitations of these devices.

For information on controller capabilities, refer to the Controls and Options Table on page 12.

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CONTROLS AND OPTIONS OVERVIEW

Table 6: Summary Data—Central Controllers (Connect to the Outdoor Unit Through the PI-485 Board (accessory, sold separately).

Central Controller	Name	Model No.	Devices per Controller	Systems per Comm. BUS	Devices per Comm. BUS	No. of Comm. BUS ports	Binary Signals Input / Output	Power / Connection	Description
	AC Smart Premium	PQCSW421E0A	128	16	128	1	2 DI / 2 DO	24 VAC	Provides for scheduling, auto-changeover, setback, remote controller lock, setpoint range limit, run time limit, web access, email alarm notification, visual floorplan navigation, peak/demand control, software device interlocking, PDI integration, and AC Manager Plus integration advanced functionality in addition to basic unit control and monitoring.
	AC Ez	PQCSZ250S0	32	16	256	1	—	12 VDC / Outdoor Unit	Provides for scheduling in addition to basic indoor unit control and monitoring.
	Advanced Control Platform (ACP) Standard	PQCPC22N1	256	16	64 (128 with PDI Premium)	4	2 / 2	24 VAC	Provides for scheduling, remote controller lock, setpoint range limit, web access, peak / demand control, PDI integration, and AC Manager Plus integration advanced functionality in addition to basic unit control and monitoring.
	Advanced Control Platform (ACP) Premium	PQCPC22A1	256	16	64 (128 with PDI Premium)		10 / 4	24 VAC	

Before specifying or placing an order, refer to the V-Net Network Solutions Engineering Product Data Book, and review the detailed technical data provided to fully understand the capabilities and limitations of these devices.

For information on controller capabilities, refer to the Controls and Options Table on page 12.

Table 7: Summary Data—Integration Solutions (Connect to Outdoor Unit Through the PI-485 Board (accessory, sold separately).

Central Controller	Name	Model No.	Devices per Controller	Systems per Comm. BUS	Devices per Comm. BUS	No. of Comm. BUS ports	Binary Signals Input / Output	Power / Connection	Description
	BACnet® Gateway	PQNFB17C1	256	16	64 (128 with PDI Premium)	4	2 / 2	24 VAC	Allow integration of LG equipment for control and monitoring by open protocol BACnet and LonWorks building automation and controls systems.
	LonWorks® Gateway	PLNWKB100	64	16	64 (128 with PDI Premium)	1	2 / 2	24 VAC	

Before specifying or placing an order, refer to the V-Net Network Solutions Engineering Product Data Book, and review the detailed technical data provided to fully understand the capabilities and limitations of these devices.

For information on controller capabilities, refer to the Controls and Options Table on page 12.

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CONTROLS AND OPTIONS OVERVIEW

Table 8: Indoor Units—Functions, Controls and Options.

	Indoor Unit Type	ART COOL™ Mirror Wall Mounted	ART COOL™ Gallery	Standard Wall Mounted	Ceiling Concealed (Low Static) Ducted	Ceiling Concealed (High Static) Ducted	Four-Way Ceiling Cassette	Vertical-Horizontal Air Handling Unit
Airflow	Air supply outlets	1	3	1	1	2	4	1
	Airflow direction (left/right)	Auto	Auto	Auto				
	Airflow direction (up/down)	Auto	Auto	Auto			Auto	
	Auto swing (left/right)	√	√	√				
	Auto swing (up/down)	√	√	√			√	
	Airflow steps (fan/cool/heat)	6 / 6 / 6	5 / 5 / 5	6 / 6 / 6	3 / 3 / 3	3 / 3 / 3	4 / 5 / 4	3 / 3 / 3
	Chaos wind (random fan speed)	√	√	√			√	
	Jet-cool/heat	√ / √	√ / √	√ / √			√ / -	
	Swirl wind						√	
	Washable anti-fungal[1]	√	√	√	√	√	√	
	Plasma[2]	√		√			o[3]	
	Ventilation						√[4]	
Operation	Drain pump				√	√	√	
	E.S.P. control				√	√		√
	Electric heater							o
	High ceiling						√	
	Hot Start	√	√	√	√	√	√	√
	Self diagnostics	√	√	√	√	√	√	√
	Soft Dry (dehumidification)	√	√	√	√	√	√	√
	Auto operation	√	√	√	√	√	√	√
	Auto clean (coil dry)	√	√	√				
	Auto restart	√	√	√	√	√	√	√
	Child lock	o	o	o	o	o	o	o
	Forced operation	√	√	√			√	
	Group control – Requires the use of one Group control Cable Kit (PZCWRCG3) for every additional indoor unit	o	o	o	o	o	o	o
	Sleep mode	√	√	√	√	√	√	√
	Timer (on/off)	√	√	√		√	√	√
	Weekly schedule	o	o	o		√	o	√
	Two thermistor control	o	o	o	o	o	o	o
Controllers	7-Day programmable controller	o	o	o	o	o	o	o
	Simple wired remote controller	o	o	o	√	√	o	o
	Wireless LCD remote control	√	√	√	o[5]	o[5]	√	o[5]
	Dry contact	o	o	o	o	o	o	o
	Dry contact (temperature setting)	o	o	o	o	o	o	o
	Central control (LGAP)	√	√	√	√	√	√	√
	Connector for Water Sensor	√	√	√				

[1]Primary washable filters.

[2]Secondary plasma filters.

[3]Branch location and static pressure requirements. Requires PTPKQ0 Plasma kit.

[4]Requires ventilation kit PTVK430 (Temperature, humidity, and volume limitations apply).

[5]Requires wired zone controller.

√ = Standard feature

o = Unit option

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CONTROLS AND OPTIONS OVERVIEW

Table 9: Multi F MAX Outdoor Unit Accessories Overview.

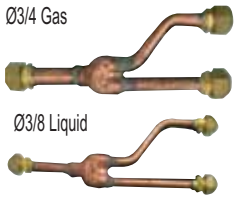
Multi F MAX Accessory	Name	Model No.	Description
	Two-Port Branch Distribution Unit	PMBD3620	Distributes refrigerant from Multi F MAX outdoor unit from one (1) to two (2) indoor units (maximum 24,000 Btu/h for each port).
	Three-Port Branch Distribution Unit	PMBD3630	Distributes refrigerant from Multi F MAX outdoor unit from one (1) to three (3) indoor units (maximum 24,000 Btu/h for each port).
	Four-Port Branch Distribution Unit	PMBD3640	Distributes refrigerant from Multi F MAX outdoor unit from one (1) to four (4) indoor units (maximum 24,000 Btu/h for each port).
		PMBD3641	Distributes refrigerant from Multi F MAX outdoor unit from one (1) to four (4) indoor units (maximum 24,000 Btu/h for ports A,B,C; maximum 36,000 Btu/h for D port).
	Y-branch Kit	PMBL5620	Y-branch Kit for Multi F MAX outdoor unit to connect up to two (2) branch distribution units.

Table 10: Indoor Unit Accessories Overview.

Model No.	Description
For Four-Way Ceiling-Cassette Indoor Units	
PT-UQC	Ceiling Grille
PTPKQ0	Plasma Kit
PTVK430	Ventilation Kit
For Vertical-Horizontal Air Handing Units	
ANEH053B1	5 kW Electric Heater
ANEH103B2	10 kW Electric Heater
For Ceiling-Concealed Duct (High Static) Indoor Units	
ZFBXBG01A	High Efficiency Filter Box
ZFBXD201A	Dynamic V8 2VL Low Profile Air Cleaner
ZPLMV201A	Dynamic 2VL Air Cleaner Low Profile Return Air Plenum
ZFBXD402A	Dynamic V8 4VL Low Profile Air Cleaner
ZPLMV402A	Dynamic 4VL Air Cleaner Low Profile Return Air Plenum
ZFLT1301A	4-Pack Dynamic V8 VL Air Cleaner Replacement Filter Pads
ZFLT1302A	24-Pack Dynamic V8 VL Air Cleaner Replacement Filter Pads
ZGRLRA01A	Dynamic V8 Air Cleaner Louvered Return Air Grille (one per plenum)
ZGRLRA02A	Dynamic V8 Air Cleaner Egg Crate Return Air Grille (one per plenum)

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MULTI F
OUTDOOR UNIT DATA

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MULTI F SYSTEMS

Features and Benefits

MULTI F
MULTI F MAX

The multiple piping of Multi F systems can support two, three or four indoor units that are typically mounted in separate rooms. Compact refrigerant pipes work in tandem with wiring to link the outdoor unit with all indoor units directly. Most indoor units include its own remote control, allowing the user to set the temperature individually in different rooms. The indoor units are available in a variety of capacities and styles, including Art Cool™ Mirror and Gallery Wall Mounts, Standard Wall Mount, Four-Way Ceiling Cassette, Horizontal Ceiling Concealed Duct, and Vertical-Horizontal Air Handling models.

Features

- Defrost
- Restart delay (three [3] minutes)
- Self diagnosis
- Soft start
- Inverter (Variable speed compressor)
- Low ambient operation to 14°F (Cooling mode)
- Auto operation / auto restart operation
- Gold Fin™ anti-corrosion
- Outdoor unit includes sufficient refrigerant for charging two (2), three (3), or four (4) indoor units using 24.6 feet of pipe to each

Benefits

- Long refrigerant piping lengths allow for extra design flexibility in indoor unit placement
- Easy installation: Little to no ductwork required; most indoor units can mount on any wall
- Indoor unit and outdoor unit dimensions ensure space saving convenience
- All-season use—heat pump models have both cooling and heating capabilities



Figure 1: Dual-Zone Multi F Heat Pump Inverter System — Mix and match for 9,000-24,000 Btu/h.



Figure 2: Tri-Zone Multi F Heat Pump Inverter System — Mix and match for 12,000-33,000 Btu/h.



Figure 3: Quad-Zone Multi F Heat Pump Inverter System — Mix and match for 18,000-48,000 Btu/h.

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Multi F Heat Pump Condensing Units

General

A Multi F multi-zone system is comprised of one heat pump outdoor unit connected to two, three, or four indoor units using a shared refrigerant piping circuit between the outdoor unit and each indoor unit, and includes integrated controls supplied by LG. The outdoor unit is internally assembled, wired, and piped from the factory; all LG components are manufactured in a facility registered to ISO 9001 and ISO 14001, set by the International Organization for Standardization (ISO). The LG Multi F multi zone heat pump system components comply with Underwriters Laboratories (UL) 1995 Heating and Cooling Equipment Standard for Safety, and bear the Electrical Testing Laboratories (ETL) mark. The units are certified to AHRI 210 / 240.

Temperature Ranges

The heat pump outdoor units are capable of operating in cooling mode from 14°F to 118°F ambient dry bulb. The heat pump outdoor units are capable of operating in heating mode from 0°F to 64°F ambient wet bulb without additional low ambient controls.

Frame

The Multi F condensing unit case is constructed from pre-coated metal that has been tested in accordance with ASTM B-117 salt spray procedure for a minimum of 1,000 hours. Case has a removable front panel to allow access to major components and control devices, and legs to secure the unit during installation.

Refrigerant System

Multi F systems have a shared refrigerant circuit field piped to multiple (ducted, non-ducted or mixed) indoor units to effectively and efficiently control the heating or cooling operation of the multi zone system. All refrigerant lines from the outdoor unit to the indoor units are field-installed and must be insulated separately.

All Multi F systems use R410A refrigerant. The outdoor units are equipped with a refrigerant strainer, check valves, oil separator, accumulator, four-way reversing valve, electronic expansion valve(s) (EEV), high side and low side refrigerant charging ports, and a service port. Each outdoor unit also includes sensors for suction temperature, discharge temperature, high-pressure, low-pressure, heat exchanger temperature, and outdoor temperature conditions.

Refrigeration Oil Control

The outdoor units have an oil separator to separate oil mixed with the refrigerant gas during compression and return oil to the compressor. The outdoor units also have an oil injection mechanism to ensure a consistent film of oil on all moving compressor parts at low speed.

Compressor

Multi F condensing units are equipped with one hermetically sealed, digitally controlled, inverter driven twin-rotary compressor that includes Teflon™ coated bearings. The inverter motor is capable of providing a modulation range of 20Hz to 100Hz with control in 1Hz increments. The compressor is protected with phase-reversal protection, uses a factory-charge of Polyvinyl Ether (PVE) oil, and is mounted to avoid the transmission of vibration. Compressors in LMU369HV models are equipped with a hot gas bypass valve.

Figure 4: Multi F LMU187HV and LMU247HV Outdoor Units.



Figure 5: Multi F LMU369HV Outdoor Unit.



Fan and Motors

Each 1.5 to 2 ton outdoor unit includes one direct drive variable speed propeller fan with Brushless Digitally Controlled (BLDC) motor with a horizontal air discharge. Each 3 ton outdoor unit includes two direct drive variable speed propeller fans with Brushless Digitally Controlled (BLDC) motor with a horizontal air discharge.

Fan blades are statically and dynamically balanced propeller fans made of durable Acrylonitrile Butadiene Styrene (ABS) plastic, and include a raised fan guard to limit contact with moving parts. The motors have inherent overload protection, permanently lubricated bearings, and a maximum speed up to 950 rpm. All Multi F outdoor units have a horizontal discharge airflow.

Outdoor Unit Coil

The outdoor unit coils are factory-built of aluminum fins mechanically bonded on copper tubing. Coils have a minimum of two rows, a minimum of 14 fins per inch, and have been factory pressure-tested.

Coil fins also have a factory applied corrosion-resistant GoldFin™ material with hydrophilic coating that has been tested in accordance with ASTM B-117 salt spray test procedure for a minimum of 1,000 hours.

Electrical

All Multi F outdoor units shall have 208/230V, 1 phase, 60Hz electrical power capable of operating within ±10% of the rated voltage.

Controls

Factory installed microprocessor controls in the outdoor unit and indoor units shall perform functions to efficiently operate the multi zone system. System wiring must be installed in a tree configuration from outdoor unit to indoor units through four conductor power/transmission cable. The system is capable of performing continuous operation, even when power is turned off to an individual indoor unit.

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MULTI F OUTDOOR UNIT

General Data

MULTI F
MULTI F MAX

Table 11: Multi F Outdoor Unit Specifications.

Model Number	LMU187HV	LMU247HV	LMU369HV
Rated Cooling Capacity (Btu/h)[1]	15,600	19,200	34,000
Rated Heating Capacity (Btu/h)[1]	17,000	26,400	41,000
Operating Range			
Cooling (°F DB)	14 - 118	14 - 118	14 - 118
Heating (°F WB)	0 - 64	0 - 64	0 - 64
Compressor			
Inverter Quantity	Twin Rotary x 1	Twin Rotary x 1	Twin Rotary x 1
Oil/Type	FVC68D	FVC68D	FVC68D
Fan (Side Discharge)			
Type	Propeller	Propeller	Propeller
Motor Output (W) x Qty.	84 x 1	84 x 1	124 x 2
Motor/Drive	Brushless Digitally Controlled/Direct		
Maximum Air Volume (CFM)	2,119	2,119	2,119 x 2
Unit Data			
Refrigerant Type	R410A	R410A	R410A
Refrigerant Control/Location	EEV/Outdoor Unit	EEV/Outdoor Unit	EEV/Outdoor Unit
Min. Number Indoor Units/System[2]	2	2	2
Max. Number Indoor Units/System[2]	2	3	4
Maximum Allowable Total Indoor Unit Connected Capacity (Btu/h)	24,000	33,000	48,000
Sound Pressure dB(A)[3]	51	51	57
Net Unit Weight (lbs.)	124	131	199
Shipping Weight (lbs.)	133	139	217
Power Wiring / Communication Cables[4] (No. x AWG)	4 x 18	4 x 18	4 x 18
Heat Exchanger			
Material and Fin Coating	Copper Tube/Aluminum Fin and GoldFin™/Hydrophilic		
Rows/Columns/Fins per inch x Qty.	(2 x 36 x 16) x 1	(2 x 36 x 16) x 1	(2 x 26 x 17) x 2
Piping			
Liquid Line Connection (in., OD) x Qty.	1/4 x 2	1/4 x 3	1/4 x 4
Vapor Line Connection (in., OD) x Qty.	3/8 x 2	3/8 x 3	3/8 x 4
Factory Charge lbs. of R410A	4.19	4.63	7.72
Piping Lengths			
Maximum Total Piping (ft)[5]	164.0	246.1	246.1
Maximum Outdoor Unit to Indoor Unit Piping (ft)	82.0	82.0	82.0
Piping Length (No Additional Refrigerant [ft])	49.2	73.8	98.4
Maximum Elevation between Outdoor Unit and Indoor Unit (ft)	49.2	49.2	49.2
Maximum Elevation between Indoor Unit and Indoor Unit (ft)	24.6	24.6	24.6

[1]Rated capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.

Rated cooling capacity obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

[2]At least two indoor units should be connected. For allocated capacity information, see the combination tables on pages 23 to 28.

[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 wiring / communication cable to be minimum 18 AWG, 4-conductor, stranded, shielded, and must comply with applicable local and national codes. For detailed electrical information, please refer to electric characteristics on page 116.

[5]Piping lengths are equivalent.

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MULTI F OUTDOOR UNIT

General Data

Table 12: LMU187HV Efficiency Ratings.[1,2]

System	Combined With	Rated Cooling Capacity (Btu/h)	EER (95°F)	SEER	Rated Heating Capacity (Btu/h)	COP (47°F)	HSPF	Low Heating Capacity (Btu/h)	COP (17°F)	Energy Star
LMU187HV	Non-ducted Indoor Units	15,600	14.00	21.0	17,000	3.90	9.20	10,000	2.9	Yes
	Ducted Indoor Units	14,800	11.90	17.7	16,800	3.80	8.80	9,900	2.8	No
	Mixed Non-ducted and Ducted Indoor Units	15,200	12.95	19.35	16,900	3.9	9.00	9,950	2.8	No

Table 13: LMU247HV Efficiency Ratings.[1,2,]

System	Combined With	Rated Cooling Capacity (Btu/h)	EER (95°F)	SEER	Rated Heating Capacity (Btu/h)	COP (47°F)	HSPF	Low Heating Capacity (Btu/h)	COP (17°F)	Energy Star
LMU247HV	Non-ducted Indoor Units	19,200	13.40	21.7	26,400	3.50	9.40	16,200	2.6	Yes
	Ducted Indoor Units	18,000	11.80	16.4	26,200	3.40	8.50	16,400	2.6	No
	Mixed Non-ducted and Ducted Indoor Units	18,600	12.60	19.05	26,300	3.50	8.95	16,300	2.6	No

Table 14: LMU369HV Efficiency Ratings.[1,2]

System	Combined With	Rated Cooling Capacity (Btu/h)	EER (95°F)	SEER	Rated Heating Capacity (Btu/h)	COP (47°F)	HSPF	Low Heating Capacity (Btu/h)	COP (17°F)	Energy Star
LMU369HV	Non-ducted Indoor Units	34,000	12.50	17.5	41,000	3.40	10.5	26,000	2.4	Yes
	Ducted Indoor Units	34,000	12.00	16.5	41,000	3.20	9.5	27,400	2.6	No
	Mixed Non-ducted and Ducted Indoor Units	34,000	12.25	17.0	41,000	3.30	10.0	26,700	2.5	No

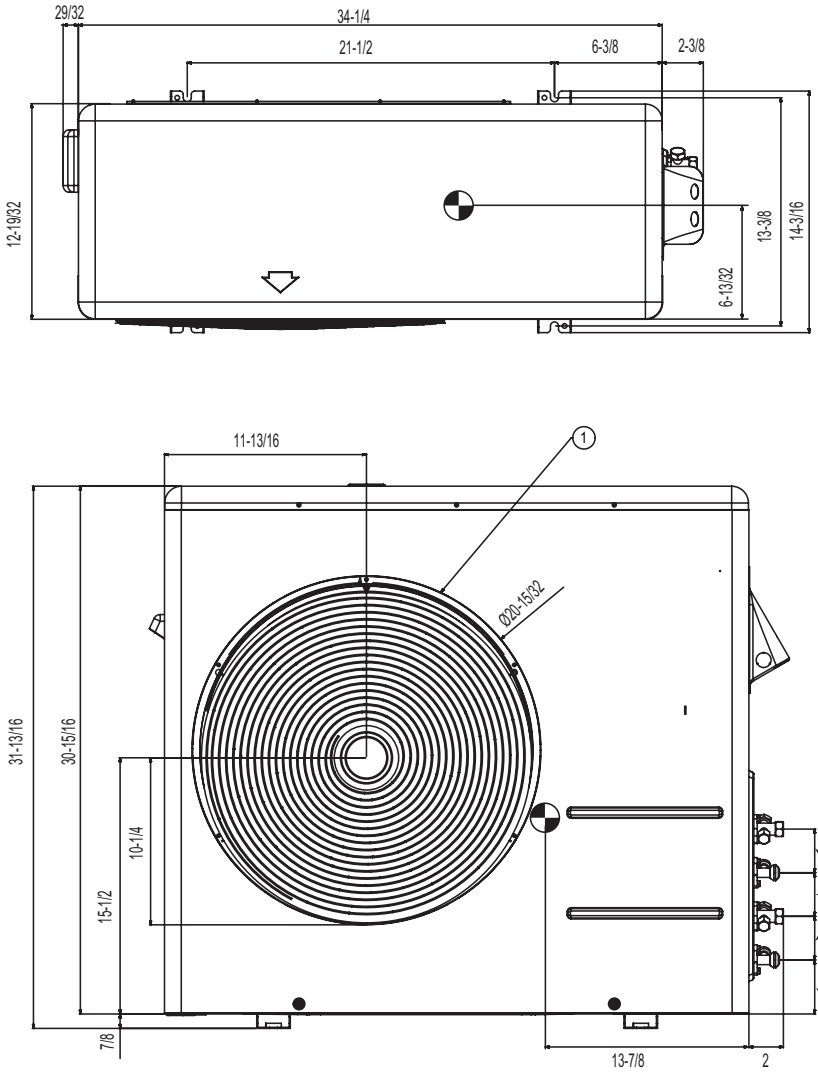
[1]Rated capacity is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.
Rated cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB) and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).
Rated heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB) and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).
[2]Rated capacity is certified under AHRI Standard 210 / 240. EER, IEER, COP, and HSPF are subject to change. See www.ahrinet.org for the latest values.

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MULTI F OUTDOOR UNIT

Dimensions

Figure 6: LMU187HV External Dimensions.



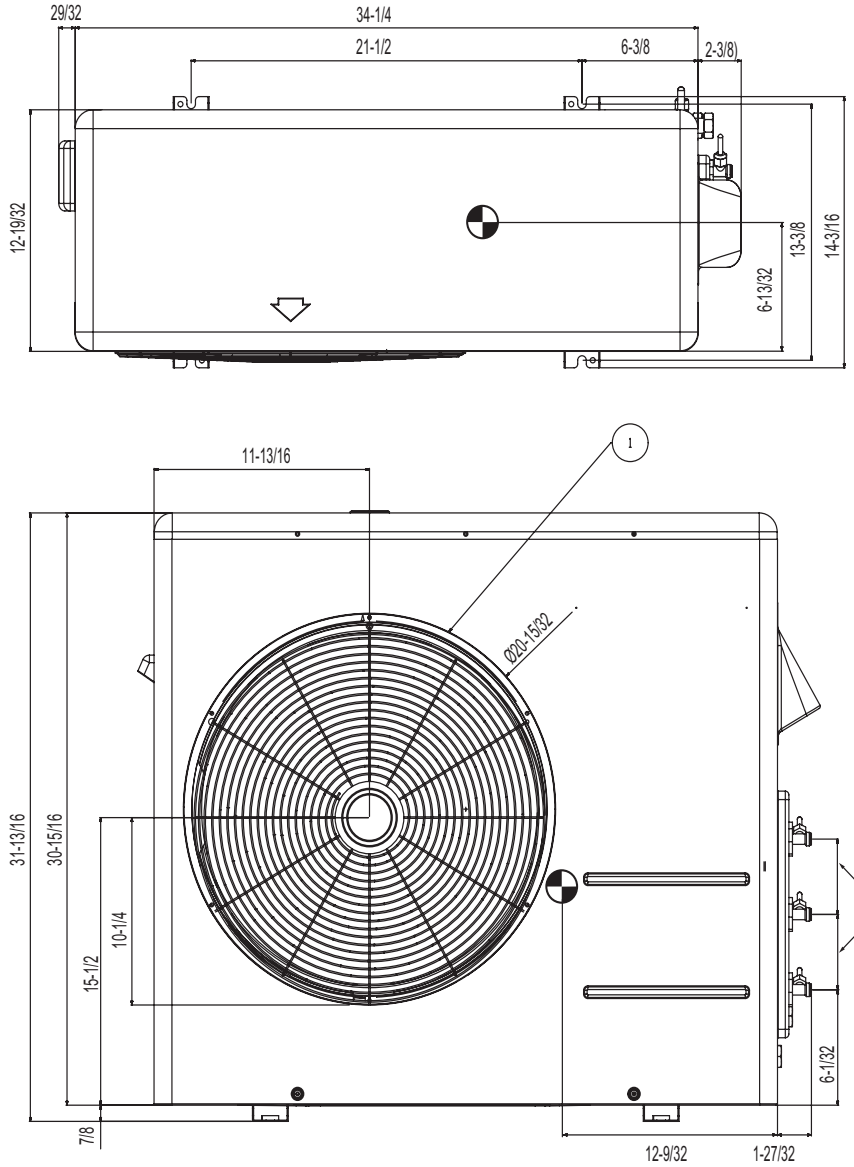
No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & transmission connection
5	Earth screw

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MULTI F OUTDOOR UNIT

Dimensions

Figure 7: LMU247HV External Dimensions.



No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & transmission connection
5	Earth screw
6	Main service valve (Liquid)
7	Main service valve (Gas)

Unit: Inch

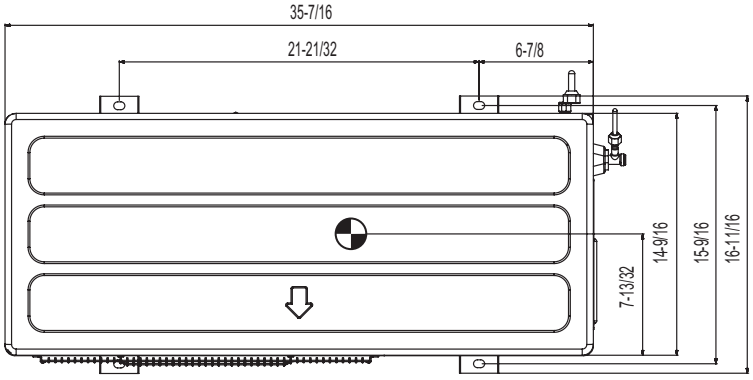
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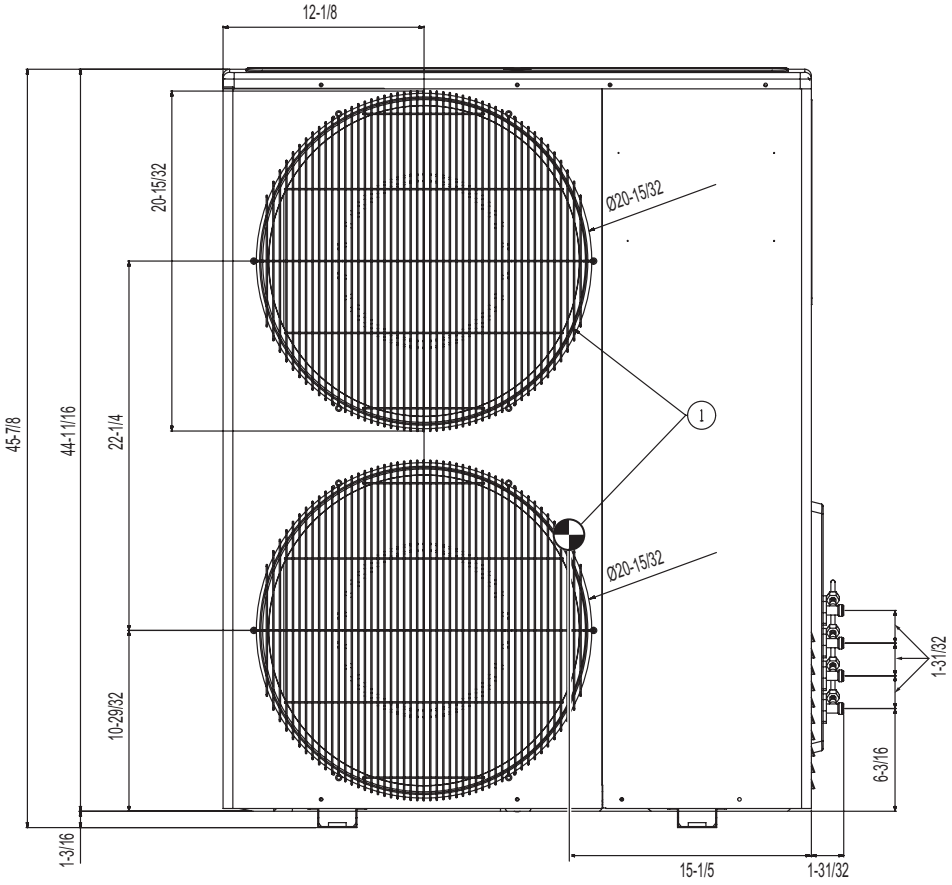
MULTI F OUTDOOR UNIT

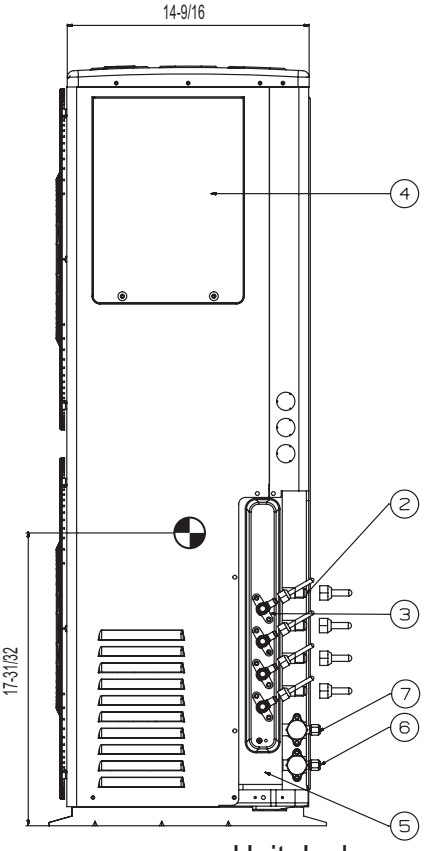
Dimensions

Figure 8: LMU369HV External Dimensions.



No.	Part Name
1	Air discharge grille
2	Gas pipe connection
3	Liquid pipe connection
4	Power & transmission connection
5	Earth screw
6	Main service valve (Liquid)
7	Main service valve (Gas)





Unit: Inch

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PERFORMANCE DATA

Rated Cooling Combination Tables

Table 15: LMU187HV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	7,800	7,800	-	-	10,798	3.16	15,600	4.57	19,000	5.57	924	1,118	2,370	14.0	21.0
	9	12	-	-	21	6,686	8,914	-	-	10,798	3.16	15,600	4.57	19,000	5.57	924	1,118	2,370	14.0	21.0
	12	12	-	-	24	7,800	7,800	-	-	10,798	3.16	15,600	4.57	19,000	5.57	924	1,118	2,370	14.0	21.0
Ducted Indoor Units																				
Two Units	9	9	-	-	18	7,400	7,400	-	-	10,798	3.16	14,800	4.34	19,000	5.57	945	1,244	2,370	11.9	17.7
	9	12	-	-	21	6,343	8,457	-	-	10,798	3.16	14,800	4.34	19,000	5.57	945	1,244	2,370	11.9	17.7
	12	12	-	-	24	7,400	7,400	-	-	10,798	3.16	14,800	4.34	19,000	5.57	945	1,244	2,370	11.9	17.7
Mixed Indoor Units																				
Two Units	9	9	-	-	18	7,600	7,600	-	-	10,798	3.16	15,200	4.46	19,000	5.57	935	1,181	2,370	12.95	19.35
	9	12	-	-	21	6,515	8,685	-	-	10,798	3.16	15,200	4.46	19,000	5.57	935	1,181	2,370	12.95	19.35
	12	12	-	-	24	7,600	7,600	-	-	10,798	3.16	15,200	4.46	19,000	5.57	935	1,181	2,370	12.95	19.35

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping. 0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

Table 16: LMU247HV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,500	8,500	-	-	10,798	3.16	17,000	4.98	19,800	5.80	1,002	1,349	2,560	12.6	19.0
	9	12	-	-	21	7,586	10,114	-	-	11,100	3.25	17,700	5.19	23,100	6.77	1,044	1,383	2,830	12.8	19.0
	12	12	-	-	24	9,600	9,600	-	-	11,400	3.34	19,200	5.63	25,500	7.47	1,194	1,469	3,090	13.1	19.0
	9	18	-	-	27	6,400	12,800	-	-	11,400	3.34	19,200	5.63	27,500	8.06	1,284	1,469	3,090	13.1	19.0
	12	18	-	-	30	7,680	11,520	-	-	11,400	3.34	19,200	5.63	27,500	8.06	1,284	1,469	3,090	13.1	19.0
Three Units	9	9	9	-	27	6,400	6,400	6,400	-	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
	9	9	12	-	30	5,760	5,760	7,680	-	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
	9	12	12	-	33	5,236	6,982	6,982	-	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,300	8,300	-	-	10,798	3.16	16,600	4.87	19,800	5.80	1,042	1,495	2,560	11.1	14.4
	9	12	-	-	21	7,286	9,714	-	-	12,000	3.52	17,000	4.98	23,100	6.77	1,084	1,504	2,830	11.3	14.4
	12	12	-	-	24	9,000	9,000	-	-	12,300	3.60	18,000	5.28	25,500	7.47	1,234	1,565	3,090	11.5	14.4
	9	18	-	-	27	6,000	12,000	-	-	12,300	3.60	18,000	5.28	27,500	8.06	1,324	1,565	3,090	11.5	14.4
	12	18	-	-	30	7,200	10,800	-	-	12,300	3.60	18,000	5.28	27,500	8.06	1,324	1,565	3,090	11.5	14.4
Three Units	9	9	9	-	27	6,000	6,000	6,000	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4
	9	9	12	-	30	5,400	5,400	7,200	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4
	9	12	12	-	33	4,910	6,545	6,545	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4
Mixed Indoor Units																				
Two Units	9	9	-	-	18	8,400	8,400	-	-	10,798	3.16	16,800	4.93	19,800	5.80	1,022	1,422	2,560	11.9	16.7
	9	12	-	-	21	7,436	9,914	-	-	11,550	3.39	17,350	5.09	23,100	6.77	1,064	1,444	2,830	12.1	16.7
	12	12	-	-	24	9,300	9,300	-	-	11,850	3.47	18,600	5.46	25,500	7.47	1,214	1,517	3,090	12.3	16.7
	9	18	-	-	27	6,200	12,400	-	-	11,850	3.47	18,600	5.46	27,500	8.06	1,304	1,517	3,090	12.3	16.7
	12	18	-	-	30	7,440	11,160	-	-	11,850	3.47	18,600	5.46	27,500	8.06	1,304	1,517	3,090	12.3	16.7
Three Units	9	9	9	-	27	6,200	6,200	6,200	-	12,000	3.52	18,600	5.46	28,800	8.44	1,230	1,478	3,050	12.6	19.05
	9	9	12	-	30	5,580	5,580	7,440	-	12,000	3.52	18,600	5.46	28,800	8.44	1,230	1,478	3,050	12.6	19.05
	9	12	12	-	33	5,073	6,764	6,764	-	12,000	3.52	18,600	5.46	28,800	8.44	1,230	1,478	3,050	12.6	19.05

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping. 0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Cooling Combination Tables

Table 17: LMU369HV with Non-Ducted and Ducted Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	9,000	9,000	-	-	10,798	3.16	18,000	5.28	19,800	5.80	1,140	1,900	2,586	9.5	13.5
	9	12	-	-	21	9,000	12,000	-	-	12,597	3.69	21,000	6.15	23,100	6.77	1,266	2,110	2,872	10.0	14.1
	12	12	-	-	24	12,000	12,000	-	-	14,397	4.22	24,000	7.03	26,400	7.74	1,392	2,320	3,158	10.3	14.7
	9	18	-	-	27	9,000	18,000	-	-	16,197	4.75	27,000	7.91	29,700	8.70	1,452	2,420	3,294	11.2	15.8
	12	18	-	-	30	12,000	18,000	-	-	17,996	5.27	30,000	8.79	33,000	9.67	1,560	2,600	3,539	11.5	16.4
	18	18	-	-	36	16,500	16,500	-	-	19,796	5.80	33,000	9.67	36,300	10.64	1,728	2,880	3,920	11.5	17.1
Three Units	9	9	9	-	27	9,000	9,000	9,000	-	16,197	4.75	27,000	7.91	29,700	8.70	1,452	2,420	3,294	11.2	15.8
	9	9	12	-	30	9,000	9,000	12,000	-	17,996	5.27	30,000	8.79	33,000	9.67	1,560	2,600	3,539	11.5	16.4
	9	12	12	-	33	9,000	12,000	12,000	-	19,796	5.80	33,000	9.67	36,300	10.64	1,644	2,740	3,729	12.0	17.1
	12	12	12	-	36	11,333	11,333	11,333	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	9	18	-	36	8,500	8,500	17,000	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	12	18	-	39	7,846	10,462	15,692	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	12	12	18	-	42	9,714	9,714	14,571	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	18	18	-	45	6,800	13,600	13,600	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	12	18	18	-	48	8,500	12,750	12,750	-	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
Four Units	9	9	9	9	36	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	9	9	12	39	7,846	7,846	7,846	10,462	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	9	12	12	42	7,286	7,286	9,714	9,714	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	12	12	12	45	6,800	9,067	9,067	9,067	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	9	9	18	45	6,800	6,800	6,800	13,600	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	9	9	12	18	48	6,375	6,375	8,500	12,750	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
	12	12	12	12	48	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,632	2,720	3,702	12.5	17.5
Ducted Indoor Units																				
Two Units	9	9	-	-	18	9,000	9,000	-	-	10,798	3.16	18,000	5.28	19,800	5.80	1,188	1,980	2,695	9.1	12.7
	9	12	-	-	21	9,000	12,000	-	-	12,597	3.69	21,000	6.15	23,100	6.77	1,320	2,200	2,995	9.5	13.4
	12	12	-	-	24	12,000	12,000	-	-	14,397	4.22	24,000	7.03	26,400	7.74	1,452	2,420	3,294	9.9	13.9
	9	18	-	-	27	9,000	18,000	-	-	16,197	4.75	27,000	7.91	29,700	8.70	1,518	2,530	3,443	10.7	14.9
	12	18	-	-	30	12,000	18,000	-	-	17,996	5.27	30,000	8.79	33,000	9.67	1,626	2,710	3,688	11.1	15.5
	24	9			33	24,000	9,000	-	-	19,796	5.80	33,000	9.67	35,200	10.32	1,800	3,000	3,925	11.0	15.4
	18	18	-	-	36	16,500	16,500	-	-	19,796	5.80	33,000	9.67	36,300	10.64	1,800	3,000	4,083	11.0	15.4
	24	12	-	-	36	22,000	11,000	-	-	19,796	5.80	33,000	9.67	36,300	10.64	1,800	3,000	4,083	11.0	15.4
Three Units	9	9	9	-	27	9,000	9,000	9,000	-	16,197	4.75	27,000	7.91	29,700	8.70	1,518	2,530	3,443	10.7	14.9
	9	9	12	-	30	9,000	9,000	12,000	-	17,996	5.27	30,000	8.79	33,000	9.67	1,626	2,710	3,688	11.1	15.5
	9	12	12	-	33	9,000	12,000	12,000	-	19,796	5.80	33,000	9.67	36,300	10.64	1,716	2,860	3,892	11.5	16.2
	12	12	12	-	36	11,333	11,333	11,333	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	9	18	-	36	8,500	8,500	17,000	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	12	18	-	39	7,846	10,462	15,692	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	12	12	18	-	42	9,714	9,714	14,571	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	18	18	-	45	6,800	13,600	13,600	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	12	18	18	-	48	8,500	12,750	12,750	-	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
Four Units	9	9	9	9	36	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	9	9	12	39	7,846	7,846	7,846	10,462	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	9	12	12	42	7,286	7,286	9,714	9,714	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	12	12	12	45	6,800	9,067	9,067	9,067	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	9	9	18	45	6,800	6,800	6,800	13,600	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	9	9	12	18	48	6,375	6,375	8,500	12,750	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5
	12	12	12	12	48	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,704	2,840	3,865	12.0	16.5

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping. 0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Cooling Combination Tables

Table 18: LMU369HV with Mixed Indoor Units — Rated Cooling Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Mixed Indoor Units																				
Two Units	9	9	-	-	18	9,000	9,000	-	-	10,798	3.16	18,000	5.28	19,800	5.80	1,164	1,940	2,641	9.3	13.1
	9	12	-	-	21	9,000	12,000	-	-	12,597	3.69	21,000	6.15	23,100	6.77	1,293	2,155	2,934	9.7	13.8
	12	12	-	-	24	12,000	12,000	-	-	14,397	4.22	24,000	7.03	26,400	7.74	1,422	2,370	3,226	10.1	14.3
	9	18	-	-	27	9,000	18,000	-	-	16,197	4.75	27,000	7.91	29,700	8.70	1,485	2,475	3,369	10.9	15.4
	12	18	-	-	30	12,000	18,000	-	-	17,996	5.27	30,000	8.79	33,000	9.67	1,593	2,655	3,614	11.3	16.0
	24	9			33	24,000	9,000	-	-	19,796	5.80	33,000	9.67	35,200	10.32	1,764	2,940	3,876	11.2	15.8
	18	18	-	-	36	16,500	16,500	-	-	19,796	5.80	33,000	9.67	36,300	10.64	1,764	2,940	4,002	11.2	15.8
	24	12	-	-	36	22,000	11,000	-	-	19,796	5.80	33,000	9.67	36,300	10.64	1,764	2,940	4,002	11.2	15.8
Three Units	9	9	9	-	27	9,000	9,000	9,000	-	16,197	4.75	27,000	7.91	29,700	8.70	1,485	2,475	3,369	10.9	15.4
	9	9	12	-	30	9,000	9,000	12,000	-	17,996	5.27	30,000	8.79	33,000	9.67	1,593	2,655	3,614	11.3	16.0
	9	12	12	-	33	9,000	12,000	12,000	-	19,796	5.80	33,000	9.67	36,300	10.64	1,680	2,800	3,811	11.8	16.7
	12	12	12	-	36	11,333	11,333	11,333	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	9	18	-	36	8,500	8,500	17,000	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	12	18	-	39	7,846	10,462	15,692	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	12	12	18	-	42	9,714	9,714	14,571	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	18	18	-	45	6,800	13,600	13,600	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	12	18	18	-	48	8,500	12,750	12,750	-	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
Four Units	9	9	9	9	36	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	9	9	12	39	7,846	7,846	7,846	10,462	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	9	12	12	42	7,286	7,286	9,714	9,714	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	12	12	12	45	6,800	9,067	9,067	9,067	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	9	9	18	45	6,800	6,800	6,800	13,600	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	9	9	12	18	48	6,375	6,375	8,500	12,750	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0
	12	12	12	12	48	8,500	8,500	8,500	8,500	20,396	5.98	34,000	9.96	37,400	10.96	1,668	2,780	3,784	12.25	17.0

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 19: LMU187HV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,500	8,500	-	-	12,418	3.64	17,000	4.98	21,000	6.15	1,150	1,290	2,480	3.9	9.2
	9	12	-	-	21	7,286	9,714	-	-	12,418	3.64	17,000	4.98	21,000	6.15	1,150	1,290	2,480	3.9	9.2
	12	12	-	-	24	8,500	8,500	-	-	12,418	3.64	17,000	4.98	21,000	6.15	1,150	1,290	2,480	3.9	9.2
Ducted Indoor Units																				
Two Units	9	9	-	-	18	8,400	8,400	-	-	12,418	3.64	16,800	4.92	21,000	6.15	1,170	1,306	2,480	3.8	8.8
	9	12	-	-	21	7,200	9,600	-	-	12,418	3.64	16,800	4.92	21,000	6.15	1,170	1,306	2,480	3.8	8.8
	12	12	-	-	24	8,400	8,400	-	-	12,418	3.64	16,800	4.92	21,000	6.15	1,170	1,306	2,480	3.8	8.8
Mixed Indoor Units																				
Two Units	9	9	-	-	18	8,450	8,450	-	-	12,418	3.64	16,900	4.95	21,000	6.15	1,160	1,298	2,480	3.9	9.0
	12	12	-	-	21	7,243	9,657	-	-	12,418	3.64	16,900	4.95	21,000	6.15	1,160	1,298	2,480	3.9	9.0
	12	12	-	-	24	8,450	8,450	-	-	12,418	3.64	16,900	4.95	21,000	6.15	1,160	1,298	2,480	3.9	9.0

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

Table 20: LMU247HV with Non-Ducted, Ducted, and Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	10,120	10,120	-	-	12,418	3.64	20,240	5.93	23,700	6.95	1,200	1,951	2,660	3.0	7.7
	9	12	-	-	21	9,857	13,143	-	-	12,765	3.74	23,000	6.74	27,700	8.12	1,260	2,174	3,010	3.1	7.7
	12	12	-	-	24	13,200	13,200	-	-	16,200	4.75	26,400	7.74	29,040	8.51	1,368	2,320	3,100	3.3	8.2
	9	18	-	-	27	8,800	17,600	-	-	16,200	4.75	26,400	7.74	31,500	9.23	1,428	2,320	3,100	3.3	8.2
	12	18	-	-	30	10,560	15,840	-	-	16,200	4.75	26,400	7.74	31,500	9.23	1,428	2,320	3,100	3.3	8.2
Three Units	9	9	9	-	27	8,800	8,800	8,800	-	16,200	4.75	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4
	9	9	12	-	30	7,920	7,920	10,560	-	16,200	4.75	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4
	9	12	12	-	33	7,200	9,600	9,600	-	16,200	4.75	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4
Ducted Indoor Units																				
Two Units	9	9	-	-	18	10,000	10,000	-	-	12,418	3.64	20,000	5.86	23,700	6.95	1,240	1,967	2,660	3.0	7.9
	9	12	-	-	21	9,771	13,029	-	-	13,800	4.04	22,800	6.68	27,700	8.12	1,300	2,227	3,010	3.0	7.9
	12	12	-	-	24	13,100	13,100	-	-	16,500	4.84	26,200	7.68	29,040	8.51	1,408	2,360	3,100	3.3	8.1
	9	18	-	-	27	8,733	17,467	-	-	16,500	4.84	26,200	7.68	31,500	9.23	1,468	2,360	3,100	3.3	8.1
	12	18	-	-	30	10,480	15,720	-	-	16,500	4.84	26,200	7.68	31,500	9.23	1,468	2,360	3,100	3.3	8.1
Three Units	9	9	9	-	27	8,733	8,733	8,733	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5
	9	9	12	-	30	7,860	7,860	10,480	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5
	9	12	12	-	33	7,145	9,527	9,527	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5
Mixed Indoor Units																				
Two Units	9	9	-	-	18	10,060	10,060	-	-	12,418	3.64	20,120	5.90	23,700	6.95	1,220	1,959	2,660	3.0	7.8
	9	12	-	-	21	9,814	13,086	-	-	13,283	3.89	22,900	6.71	27,700	8.12	1,280	2,201	3,010	3.1	7.8
	12	12	-	-	24	13,150	13,150	-	-	16,350	4.80	26,300	7.71	29,040	8.51	1,388	2,340	3,100	3.3	8.2
	9	18	-	-	27	8,767	17,534	-	-	16,350	4.80	26,300	7.71	31,500	9.23	1,448	2,340	3,100	3.3	8.2
	12	18	-	-	30	10,520	15,780	-	-	16,350	4.80	26,300	7.71	31,500	9.23	1,448	2,340	3,100	3.3	8.2
Three Units	9	9	9	-	27	8,767	8,767	8,767	-	16,350	4.80	26,300	7.71	32,000	9.38	1,338	2,217	3,090	3.5	8.95
	9	9	12	-	30	7,890	7,890	10,520	-	16,350	4.80	26,300	7.71	32,000	9.38	1,338	2,217	3,090	3.5	8.95
	9	12	12	-	33	7,173	9,564	9,564	-	16,350	4.80	26,300	7.71	32,000	9.38	1,338	2,217	3,090	3.5	8.95

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 21: LMU369HV with Non-Ducted and Ducted Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Non-Ducted Indoor Units																				
Two Units	9	9	-	-	18	10,350	10,350	-	-	12,418	3.64	20,700	6.07	22,770	6.67	1,248	2,080	2,416	2.9	9.3
	9	12	-	-	21	10,350	13,800	-	-	14,487	4.25	24,150	7.08	26,510	7.77	1,524	2,540	2,950	2.8	8.9
	12	12	-	-	24	13,800	13,800	-	-	16,557	4.85	27,600	8.09	30,360	8.90	1,554	2,590	3,008	3.1	10.0
	9	18	-	-	27	10,350	20,700	-	-	18,626	5.46	31,050	9.10	33,000	9.67	1,740	2,900	3,368	3.1	10.0
	12	18	-	-	30	13,800	20,700	-	-	20,696	6.07	34,500	10.11	36,300	10.64	1,932	3,220	3,740	3.1	10.0
	18	18	-	-	36	19,000	19,000	-	-	22,795	6.68	38,000	11.14	40,000	11.72	2,118	3,530	4,100	3.2	10.1
Three Units	9	9	9	-	27	10,350	10,350	10,350	-	18,626	5.46	31,050	9.10	34,100	9.99	1,740	2,900	3,368	3.1	10.0
	9	9	12	-	30	10,350	10,350	13,800	-	20,696	6.07	34,500	10.11	37,400	10.96	1,932	3,220	3,740	3.1	10.0
	9	12	12	-	33	10,350	13,800	13,800	-	22,765	6.67	37,950	11.12	38,500	11.28	2,040	3,400	3,949	3.3	10.4
	12	12	12	-	36	13,667	13,667	13,667	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	9	18	-	36	10,250	10,250	20,500	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	12	18	-	39	9,462	12,615	18,923	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	12	12	18	-	42	11,714	11,714	17,571	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	18	18	-	45	8,200	16,400	16,400	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	12	18	18	-	48	10,250	15,375	15,375	-	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
Four Units	9	9	9	9	36	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	9	9	12	39	9,462	9,462	9,462	12,615	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	9	12	12	42	8,786	8,786	11,714	11,714	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	12	12	12	45	8,200	10,933	10,933	10,933	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	9	9	18	45	8,200	8,200	8,200	16,400	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	9	9	12	18	48	7,688	7,688	10,250	15,374	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
	12	12	12	12	48	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,148	3,580	4,153	3.4	10.5
Ducted Indoor Units																				
Two Units	9	9	-	-	18	10,350	10,350	-	-	12,418	3.64	20,700	6.07	22,770	6.67	1,302	2,170	2,520	2.8	8.5
	9	12	-	-	21	10,350	13,800	-	-	14,487	4.25	24,150	7.08	26,510	7.77	1,536	2,560	2,973	2.8	8.8
	12	12	-	-	24	13,800	13,800	-	-	16,557	4.85	27,600	8.09	30,360	8.90	1,614	2,690	3,124	3.0	9.0
	9	18	-	-	27	10,350	20,700	-	-	18,626	5.46	31,050	9.10	33,000	9.67	1,812	3,020	3,508	3.0	9.0
	12	18	-	-	30	13,800	20,700	-	-	20,696	6.07	34,500	10.11	36,300	10.64	2,010	3,350	3,891	3.0	9.0
	24	9			33	27,636	10,364	-	-	21,595	6.33	36,000	10.55	38,500	11.28	2,095	3,490	4,124	3.0	9.0
	18	18	-	-	36	19,000	19,000	-	-	22,795	6.68	38,000	11.14	40,000	11.72	2,208	3,680	4,274	3.0	9.0
	24	12	-	-	36	25,333	12,667	-	-	22,795	6.68	38,000	11.14	40,000	11.72	2,208	3,680	4,274	3.0	9.0
Three Units	9	9	9	-	27	10,350	10,350	10,350	-	18,626	5.46	31,050	9.10	34,100	9.99	1,812	3,020	3,508	3.0	9.0
	9	9	12	-	30	10,350	10,350	13,800	-	20,696	6.07	34,500	10.11	37,400	10.96	2,010	3,350	3,891	3.0	9.0
	9	12	12	-	33	10,350	13,800	13,800	-	22,765	6.67	37,950	11.12	38,500	11.28	2,130	3,550	4,123	3.1	9.2
	12	12	12	-	36	13,667	13,667	13,667	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	9	18	-	36	10,250	10,250	20,500	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	12	18	-	39	9,462	12,615	18,923	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	12	12	18	-	42	11,714	11,714	17,571	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	18	18	-	45	8,200	16,400	16,400	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	12	18	18	-	48	10,250	15,375	15,375	-	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
Four Units	9	9	9	9	36	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	9	9	12	39	9,462	9,462	9,462	12,615	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	9	12	12	42	8,786	8,786	11,714	11,714	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	12	12	12	45	8,200	10,933	10,933	10,933	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	9	9	18	45	8,200	8,200	8,200	16,400	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	9	9	12	18	48	7,688	7,688	10,250	15,374	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5
	12	12	12	12	48	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,232	3,720	4,321	3.2	9.5

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping. 0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 22: LMU369HV with Mixed Indoor Units — Rated Heating Combination Table.

No. of Indoor Units	Indoor Unit Combination (kBtu/h)					Room Capacity				Total Capacity						Input (W)			EER	SEER
	IDU 1	IDU 2	IDU 3	IDU 4	Total	Unit 1 (Btu/h)	Unit 2 (Btu/h)	Unit 3 (Btu/h)	Unit 4 (Btu/h)	Minimum		Rated		Maximum		Min.	Rated	Max.		
										Btu/h	kW	Btu/h	kW	Btu/h	kW					
Mixed Indoor Units																				
Two Units	9	9	-	-	18	10,350	10,350	-	-	12,418	3.64	20,700	6.07	22,770	6.67	1,275	2,125	2,468	2.9	8.9
	9	12	-	-	21	10,350	13,800	-	-	14,487	4.25	24,150	7.08	26,510	7.77	1,530	2,550	2,962	2.8	8.9
	12	12	-	-	24	13,800	13,800	-	-	16,557	4.85	27,600	8.09	30,360	8.90	1,584	2,640	3,066	3.1	9.5
	9	18	-	-	27	10,350	20,700	-	-	18,626	5.46	31,050	9.10	33,000	9.67	1,776	2,960	3,438	3.1	9.5
	12	18	-	-	30	13,800	20,700	-	-	20,696	6.07	34,500	10.11	36,300	10.64	1,971	3,285	3,816	3.1	9.5
	24	9			33	27,636	10,364	-	-	21,595	6.33	36,000	10.55	38,500	11.28	2,054	3,425	4,045	3.1	9.5
	18	18	-	-	36	19,000	19,000	-	-	22,795	6.68	38,000	11.14	40,000	11.72	2,163	3,605	4,187	3.1	9.6
	24	12	-	-	36	25,333	12,667	-	-	22,795	6.68	38,000	11.14	40,000	11.72	2,163	3,605	4,187	3.1	9.6
Three Units	9	9	9	-	27	10,350	10,350	10,350	-	18,626	5.46	31,050	9.10	34,100	9.99	1,776	2,960	3,438	3.1	9.5
	9	9	12	-	30	10,350	10,350	13,800	-	20,696	6.07	34,500	10.11	37,400	10.96	1,971	3,285	3,816	3.1	9.5
	9	12	12	-	33	10,350	13,800	13,800	-	22,765	6.67	37,950	11.12	38,500	11.28	2,085	3,475	4,036	3.2	9.8
	12	12	12	-	36	13,667	13,667	13,667	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	9	18	-	36	10,250	10,250	20,500	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	12	18	-	39	9,462	12,615	18,923	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	12	12	18	-	42	11,714	11,714	17,571	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	18	18	-	45	8,200	16,400	16,400	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	12	18	18	-	48	10,250	15,375	15,375	-	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
Four Units	9	9	9	9	36	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	9	9	12	39	9,462	9,462	9,462	12,615	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	9	12	12	42	8,786	8,786	11,714	11,714	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	12	12	12	45	8,200	10,933	10,933	10,933	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	9	9	18	45	8,200	8,200	8,200	16,400	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	9	9	12	18	48	7,688	7,688	10,250	15,374	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0
	12	12	12	12	48	10,250	10,250	10,250	10,250	24,595	7.21	41,000	12.02	45,100	13.22	2,190	3,650	4,237	3.3	10.0

[1]Capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]At least two indoor units should be connected.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 23: LMU187HV Cooling Capacity Table —Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	14	15.29	0.70	16.24	0.73	17.19	0.75	17.88	0.76	19.09	0.77	20.04	0.79
		20	15.28	0.71	16.23	0.74	17.18	0.76	17.86	0.77	19.08	0.79	20.03	0.80
		25	15.27	0.72	16.22	0.75	17.17	0.77	17.85	0.78	19.06	0.80	20.01	0.81
		30	15.26	0.73	16.21	0.76	17.15	0.78	17.84	0.79	19.05	0.81	20.00	0.82
		35	15.25	0.74	16.19	0.77	17.14	0.79	17.82	0.80	19.03	0.82	19.98	0.84
		40	15.23	0.75	16.18	0.78	17.13	0.81	17.81	0.81	19.02	0.83	19.96	0.85
		45	15.22	0.76	16.17	0.79	17.11	0.82	17.80	0.83	19.00	0.84	19.95	0.86
		50	15.21	0.77	16.16	0.80	17.10	0.83	17.78	0.84	18.99	0.85	19.93	0.87
		55	15.20	0.78	16.14	0.81	17.09	0.84	17.77	0.85	18.98	0.86	19.92	0.88
		60	15.19	0.79	16.13	0.82	17.07	0.85	17.76	0.86	18.96	0.87	19.90	0.89
		65	15.18	0.80	16.12	0.83	17.06	0.86	17.74	0.87	18.95	0.89	19.89	0.90
		70	15.16	0.81	16.11	0.84	17.05	0.87	17.73	0.88	18.93	0.90	19.87	0.92
		75	14.80	0.85	15.74	0.89	16.68	0.92	17.36	0.93	18.56	0.95	19.50	0.96
		80	14.43	0.90	15.37	0.93	16.31	0.96	16.99	0.98	18.18	0.99	19.12	1.01
		85	14.07	0.94	15.01	0.98	15.94	1.01	16.62	1.02	17.81	1.04	18.75	1.06
		90	13.71	0.99	14.64	1.02	15.58	1.06	16.25	1.07	17.44	1.09	18.37	1.11
		95	13.32	1.03	14.25	1.07	15.17	1.11	**15.60**	**1.12**	17.03	1.14	17.96	1.16
		100	12.99	1.07	13.92	1.11	14.85	1.15	15.40	1.17	16.71	1.19	17.63	1.21
		105	12.67	1.12	13.60	1.16	14.53	1.20	15.20	1.21	16.38	1.24	17.31	1.26
		110	12.35	1.16	13.27	1.20	14.20	1.25	14.87	1.26	16.06	1.28	16.98	1.31
		115	12.02	1.20	12.95	1.25	13.88	1.29	14.55	1.31	15.73	1.33	16.66	1.36
		118	11.83	1.23	12.75	1.27	13.68	1.32	14.35	1.34	15.54	1.36	16.47	1.39
		122	11.76	1.26	12.69	1.31	13.62	1.36	14.29	1.37	15.47	1.40	16.40	1.43
	9 + 12	14	15.29	0.70	16.24	0.73	17.19	0.75	17.88	0.76	19.09	0.77	20.04	0.79
		20	15.28	0.71	16.23	0.74	17.18	0.76	17.86	0.77	19.08	0.79	20.03	0.80
		25	15.27	0.72	16.22	0.75	17.17	0.77	17.85	0.78	19.06	0.80	20.01	0.81
		30	15.26	0.73	16.21	0.76	17.15	0.78	17.84	0.79	19.05	0.81	20.00	0.82
		35	15.25	0.74	16.19	0.77	17.14	0.79	17.82	0.80	19.03	0.82	19.98	0.84
		40	15.23	0.75	16.18	0.78	17.13	0.81	17.81	0.81	19.02	0.83	19.96	0.85
		45	15.22	0.76	16.17	0.79	17.11	0.82	17.80	0.83	19.00	0.84	19.95	0.86
		50	15.21	0.77	16.16	0.80	17.10	0.83	17.78	0.84	18.99	0.85	19.93	0.87
		55	15.20	0.78	16.14	0.81	17.09	0.84	17.77	0.85	18.98	0.86	19.92	0.88
		60	15.19	0.79	16.13	0.82	17.07	0.85	17.76	0.86	18.96	0.87	19.90	0.89
		65	15.18	0.80	16.12	0.83	17.06	0.86	17.74	0.87	18.95	0.89	19.89	0.90
		70	15.16	0.81	16.11	0.84	17.05	0.87	17.73	0.88	18.93	0.90	19.87	0.92
		75	14.80	0.85	15.74	0.89	16.68	0.92	17.36	0.93	18.56	0.95	19.50	0.96
		80	14.43	0.90	15.37	0.93	16.31	0.96	16.99	0.98	18.18	0.99	19.12	1.01
		85	14.07	0.94	15.01	0.98	15.94	1.01	16.62	1.02	17.81	1.04	18.75	1.06
		90	13.71	0.99	14.64	1.02	15.58	1.06	16.25	1.07	17.44	1.09	18.37	1.11
		95	13.32	1.03	14.25	1.07	15.17	1.11	**15.60**	**1.12**	17.03	1.14	17.96	1.16
		100	12.99	1.07	13.92	1.11	14.85	1.15	15.40	1.17	16.71	1.19	17.63	1.21
		105	12.67	1.12	13.60	1.16	14.53	1.20	15.20	1.21	16.38	1.24	17.31	1.26
		110	12.35	1.16	13.27	1.20	14.20	1.25	14.87	1.26	16.06	1.28	16.98	1.31
		115	12.02	1.20	12.95	1.25	13.88	1.29	14.55	1.31	15.73	1.33	16.66	1.36
		118	11.83	1.23	12.75	1.27	13.68	1.32	14.35	1.34	15.54	1.36	16.47	1.39
		122	11.76	1.26	12.69	1.31	13.62	1.36	14.29	1.37	15.47	1.40	16.40	1.43

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 24: LMU187HV Cooling Capacity Table —Non-Ducted (continued) / Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	12 + 12	14	15.29	0.70	16.24	0.73	17.19	0.75	17.88	0.76	19.09	0.77	20.04	0.79
		20	15.28	0.71	16.23	0.74	17.18	0.76	17.86	0.77	19.08	0.79	20.03	0.80
		25	15.27	0.72	16.22	0.75	17.17	0.77	17.85	0.78	19.06	0.80	20.01	0.81
		30	15.26	0.73	16.21	0.76	17.15	0.78	17.84	0.79	19.05	0.81	20.00	0.82
		35	15.25	0.74	16.19	0.77	17.14	0.79	17.82	0.80	19.03	0.82	19.98	0.84
		40	15.23	0.75	16.18	0.78	17.13	0.81	17.81	0.81	19.02	0.83	19.96	0.85
		45	15.22	0.76	16.17	0.79	17.11	0.82	17.80	0.83	19.00	0.84	19.95	0.86
		50	15.21	0.77	16.16	0.80	17.10	0.83	17.78	0.84	18.99	0.85	19.93	0.87
		55	15.20	0.78	16.14	0.81	17.09	0.84	17.77	0.85	18.98	0.86	19.92	0.88
		60	15.19	0.79	16.13	0.82	17.07	0.85	17.76	0.86	18.96	0.87	19.90	0.89
		65	15.18	0.80	16.12	0.83	17.06	0.86	17.74	0.87	18.95	0.89	19.89	0.90
		70	15.16	0.81	16.11	0.84	17.05	0.87	17.73	0.88	18.93	0.90	19.87	0.92
		75	14.80	0.85	15.74	0.89	16.68	0.92	17.36	0.93	18.56	0.95	19.50	0.96
		80	14.43	0.90	15.37	0.93	16.31	0.96	16.99	0.98	18.18	0.99	19.12	1.01
		85	14.07	0.94	15.01	0.98	15.94	1.01	16.62	1.02	17.81	1.04	18.75	1.06
		90	13.71	0.99	14.64	1.02	15.58	1.06	16.25	1.07	17.44	1.09	18.37	1.11
		95	13.32	1.03	14.25	1.07	15.17	1.11	**15.60**	**1.12**	17.03	1.14	17.96	1.16
		100	12.99	1.07	13.92	1.11	14.85	1.15	15.40	1.17	16.71	1.19	17.63	1.21
		105	12.67	1.12	13.60	1.16	14.53	1.20	15.20	1.21	16.38	1.24	17.31	1.26
		110	12.35	1.16	13.27	1.20	14.20	1.25	14.87	1.26	16.06	1.28	16.98	1.31
		115	12.02	1.20	12.95	1.25	13.88	1.29	14.55	1.31	15.73	1.33	16.66	1.36
		118	11.83	1.23	12.75	1.27	13.68	1.32	14.35	1.34	15.54	1.36	16.47	1.39
		122	11.76	1.26	12.69	1.31	13.62	1.36	14.29	1.37	15.47	1.40	16.40	1.43
Two (2) Ducted Indoor Units	9 + 9	14	14.51	0.78	15.41	0.81	16.31	0.84	16.96	0.85	18.11	0.86	19.01	0.88
		20	14.50	0.79	15.40	0.82	16.30	0.85	16.95	0.86	18.10	0.87	19.00	0.89
		25	14.49	0.80	15.39	0.83	16.29	0.86	16.94	0.87	18.08	0.89	18.98	0.90
		30	14.48	0.81	15.37	0.84	16.27	0.87	16.92	0.88	18.07	0.90	18.97	0.92
		35	14.46	0.82	15.36	0.85	16.26	0.88	16.91	0.89	18.06	0.91	18.96	0.93
		40	14.45	0.83	15.35	0.86	16.25	0.90	16.90	0.91	18.04	0.92	18.94	0.94
		45	14.44	0.85	15.34	0.88	16.24	0.91	16.88	0.92	18.03	0.94	18.93	0.95
		50	14.43	0.86	15.33	0.89	16.22	0.92	16.87	0.93	18.02	0.95	18.91	0.97
		55	14.42	0.87	15.32	0.90	16.21	0.93	16.86	0.94	18.00	0.96	18.90	0.98
		60	14.41	0.88	15.30	0.91	16.20	0.94	16.84	0.96	17.99	0.97	18.88	0.99
		65	14.40	0.89	15.29	0.92	16.19	0.96	16.83	0.97	17.97	0.99	18.87	1.01
		70	14.39	0.90	15.28	0.93	16.17	0.97	16.82	0.98	17.96	1.00	18.85	1.02
		75	14.04	0.95	14.93	0.98	15.82	1.02	16.47	1.03	17.61	1.05	18.50	1.07
		80	13.69	1.00	14.58	1.04	15.47	1.07	16.11	1.09	17.25	1.11	18.14	1.13
		85	13.35	1.05	14.24	1.09	15.12	1.13	15.77	1.14	16.90	1.16	17.79	1.18
		90	13.01	1.10	13.89	1.14	14.78	1.18	15.42	1.19	16.55	1.21	17.43	1.24
		95	12.64	1.14	13.52	1.19	14.40	1.23	**14.80**	**1.24**	16.16	1.27	17.04	1.29
		100	12.33	1.19	13.21	1.24	14.09	1.28	14.61	1.30	15.85	1.32	16.73	1.35
		105	12.02	1.24	12.90	1.29	13.78	1.33	14.42	1.35	15.54	1.37	16.42	1.40
		110	11.71	1.29	12.59	1.34	13.47	1.39	14.11	1.40	15.23	1.43	16.11	1.46
		115	11.40	1.34	12.29	1.39	13.17	1.44	13.80	1.46	14.93	1.48	15.81	1.51
		118	11.22	1.37	12.10	1.42	12.98	1.47	13.62	1.49	14.74	1.51	15.62	1.55
		122	11.16	1.41	12.04	1.46	12.92	1.51	13.55	1.53	14.68	1.56	15.56	1.59

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 25: LMU187HV Cooling Capacity Table —Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	9 + 12	14	14.51	0.78	15.41	0.81	16.31	0.84	16.96	0.85	18.11	0.86	19.01	0.88
		20	14.50	0.79	15.40	0.82	16.30	0.85	16.95	0.86	18.10	0.87	19.00	0.89
		25	14.49	0.80	15.39	0.83	16.29	0.86	16.94	0.87	18.08	0.89	18.98	0.90
		30	14.48	0.81	15.37	0.84	16.27	0.87	16.92	0.88	18.07	0.90	18.97	0.92
		35	14.46	0.82	15.36	0.85	16.26	0.88	16.91	0.89	18.06	0.91	18.96	0.93
		40	14.45	0.83	15.35	0.86	16.25	0.90	16.90	0.91	18.04	0.92	18.94	0.94
		45	14.44	0.85	15.34	0.88	16.24	0.91	16.88	0.92	18.03	0.94	18.93	0.95
		50	14.43	0.86	15.33	0.89	16.22	0.92	16.87	0.93	18.02	0.95	18.91	0.97
		55	14.42	0.87	15.32	0.90	16.21	0.93	16.86	0.94	18.00	0.96	18.90	0.98
		60	14.41	0.88	15.30	0.91	16.20	0.94	16.84	0.96	17.99	0.97	18.88	0.99
		65	14.40	0.89	15.29	0.92	16.19	0.96	16.83	0.97	17.97	0.99	18.87	1.01
		70	14.39	0.90	15.28	0.93	16.17	0.97	16.82	0.98	17.96	1.00	18.85	1.02
		75	14.04	0.95	14.93	0.98	15.82	1.02	16.47	1.03	17.61	1.05	18.50	1.07
		80	13.69	1.00	14.58	1.04	15.47	1.07	16.11	1.09	17.25	1.11	18.14	1.13
		85	13.35	1.05	14.24	1.09	15.12	1.13	15.77	1.14	16.90	1.16	17.79	1.18
		90	13.01	1.10	13.89	1.14	14.78	1.18	15.42	1.19	16.55	1.21	17.43	1.24
		95	12.64	1.14	13.52	1.19	14.40	1.23	**14.80**	**1.24**	16.16	1.27	17.04	1.29
		100	12.33	1.19	13.21	1.24	14.09	1.28	14.61	1.30	15.85	1.32	16.73	1.35
		105	12.02	1.24	12.90	1.29	13.78	1.33	14.42	1.35	15.54	1.37	16.42	1.40
		110	11.71	1.29	12.59	1.34	13.47	1.39	14.11	1.40	15.23	1.43	16.11	1.46
		115	11.40	1.34	12.29	1.39	13.17	1.44	13.80	1.46	14.93	1.48	15.81	1.51
		118	11.22	1.37	12.10	1.42	12.98	1.47	13.62	1.49	14.74	1.51	15.62	1.55
		122	11.16	1.41	12.04	1.46	12.92	1.51	13.55	1.53	14.68	1.56	15.56	1.59
	12 + 12	14	14.51	0.78	15.41	0.81	16.31	0.84	16.96	0.85	18.11	0.86	19.01	0.88
		20	14.50	0.79	15.40	0.82	16.30	0.85	16.95	0.86	18.10	0.87	19.00	0.89
		25	14.49	0.80	15.39	0.83	16.29	0.86	16.94	0.87	18.08	0.89	18.98	0.90
		30	14.48	0.81	15.37	0.84	16.27	0.87	16.92	0.88	18.07	0.90	18.97	0.92
		35	14.46	0.82	15.36	0.85	16.26	0.88	16.91	0.89	18.06	0.91	18.96	0.93
		40	14.45	0.83	15.35	0.86	16.25	0.90	16.90	0.91	18.04	0.92	18.94	0.94
		45	14.44	0.85	15.34	0.88	16.24	0.91	16.88	0.92	18.03	0.94	18.93	0.95
		50	14.43	0.86	15.33	0.89	16.22	0.92	16.87	0.93	18.02	0.95	18.91	0.97
		55	14.42	0.87	15.32	0.90	16.21	0.93	16.86	0.94	18.00	0.96	18.90	0.98
		60	14.41	0.88	15.30	0.91	16.20	0.94	16.84	0.96	17.99	0.97	18.88	0.99
		65	14.40	0.89	15.29	0.92	16.19	0.96	16.83	0.97	17.97	0.99	18.87	1.01
		70	14.39	0.90	15.28	0.93	16.17	0.97	16.82	0.98	17.96	1.00	18.85	1.02
		75	14.04	0.95	14.93	0.98	15.82	1.02	16.47	1.03	17.61	1.05	18.50	1.07
		80	13.69	1.00	14.58	1.04	15.47	1.07	16.11	1.09	17.25	1.11	18.14	1.13
		85	13.35	1.05	14.24	1.09	15.12	1.13	15.77	1.14	16.90	1.16	17.79	1.18
		90	13.01	1.10	13.89	1.14	14.78	1.18	15.42	1.19	16.55	1.21	17.43	1.24
		95	12.64	1.14	13.52	1.19	14.40	1.23	**14.80**	**1.24**	16.16	1.27	17.04	1.29
		100	12.33	1.19	13.21	1.24	14.09	1.28	14.61	1.30	15.85	1.32	16.73	1.35
		105	12.02	1.24	12.90	1.29	13.78	1.33	14.42	1.35	15.54	1.37	16.42	1.40
		110	11.71	1.29	12.59	1.34	13.47	1.39	14.11	1.40	15.23	1.43	16.11	1.46
		115	11.40	1.34	12.29	1.39	13.17	1.44	13.80	1.46	14.93	1.48	15.81	1.51
		118	11.22	1.37	12.10	1.42	12.98	1.47	13.62	1.49	14.74	1.51	15.62	1.55
		122	11.16	1.41	12.04	1.46	12.92	1.51	13.55	1.53	14.68	1.56	15.56	1.59

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 26: LMU187HV Cooling Capacity Table —Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	9 + 9	14	14.90	0.74	15.83	0.77	16.75	0.79	17.42	0.80	18.60	0.82	19.53	0.83
		20	14.89	0.75	15.81	0.78	16.74	0.81	17.41	0.81	18.59	0.83	19.51	0.85
		25	14.88	0.76	15.80	0.79	16.73	0.82	17.39	0.83	18.57	0.84	19.50	0.86
		30	14.87	0.77	15.79	0.80	16.71	0.83	17.38	0.84	18.56	0.85	19.48	0.87
		35	14.86	0.78	15.78	0.81	16.70	0.84	17.37	0.85	18.55	0.87	19.47	0.88
		40	14.84	0.79	15.77	0.82	16.69	0.85	17.35	0.86	18.53	0.88	19.45	0.89
		45	14.83	0.80	15.75	0.83	16.67	0.86	17.34	0.87	18.52	0.89	19.44	0.91
		50	14.82	0.81	15.74	0.84	16.66	0.87	17.33	0.88	18.50	0.90	19.42	0.92
		55	14.81	0.82	15.73	0.85	16.65	0.89	17.31	0.90	18.49	0.91	19.41	0.93
		60	14.80	0.83	15.72	0.87	16.64	0.90	17.30	0.91	18.47	0.92	19.39	0.94
		65	14.79	0.85	15.71	0.88	16.62	0.91	17.29	0.92	18.46	0.94	19.38	0.95
		70	14.78	0.86	15.69	0.89	16.61	0.92	17.27	0.93	18.45	0.95	19.36	0.97
		75	14.42	0.90	15.34	0.93	16.25	0.97	16.91	0.98	18.08	1.00	19.00	1.02
		80	14.06	0.95	14.98	0.98	15.89	1.02	16.55	1.03	17.72	1.05	18.63	1.07
		85	13.71	0.99	14.62	1.03	15.53	1.07	16.19	1.08	17.36	1.10	18.27	1.12
		90	13.36	1.04	14.27	1.08	15.18	1.12	15.83	1.13	16.99	1.15	17.90	1.18
		95	12.98	1.09	13.88	1.13	14.79	1.17	**15.20**	**1.18**	16.59	1.20	17.50	1.23
		100	12.66	1.13	13.57	1.17	14.47	1.22	15.00	1.23	16.28	1.25	17.18	1.28
		105	12.35	1.18	13.25	1.22	14.15	1.27	14.81	1.28	15.96	1.31	16.87	1.33
		110	12.03	1.23	12.93	1.27	13.84	1.32	14.49	1.33	15.65	1.36	16.55	1.38
		115	11.71	1.27	12.62	1.32	13.52	1.37	14.17	1.38	15.33	1.41	16.23	1.44
		118	11.52	1.30	12.43	1.35	13.33	1.40	13.98	1.41	15.14	1.44	16.04	1.47
		122	11.46	1.34	12.36	1.38	13.27	1.44	13.92	1.45	15.08	1.48	15.98	1.51
	9 + 12	14	14.90	0.74	15.83	0.77	16.75	0.79	17.42	0.80	18.60	0.82	19.53	0.83
		20	14.89	0.75	15.81	0.78	16.74	0.81	17.41	0.81	18.59	0.83	19.51	0.85
		25	14.88	0.76	15.80	0.79	16.73	0.82	17.39	0.83	18.57	0.84	19.50	0.86
		30	14.87	0.77	15.79	0.80	16.71	0.83	17.38	0.84	18.56	0.85	19.48	0.87
		35	14.86	0.78	15.78	0.81	16.70	0.84	17.37	0.85	18.55	0.87	19.47	0.88
		40	14.84	0.79	15.77	0.82	16.69	0.85	17.35	0.86	18.53	0.88	19.45	0.89
		45	14.83	0.80	15.75	0.83	16.67	0.86	17.34	0.87	18.52	0.89	19.44	0.91
		50	14.82	0.81	15.74	0.84	16.66	0.87	17.33	0.88	18.50	0.90	19.42	0.92
		55	14.81	0.82	15.73	0.85	16.65	0.89	17.31	0.90	18.49	0.91	19.41	0.93
		60	14.80	0.83	15.72	0.87	16.64	0.90	17.30	0.91	18.47	0.92	19.39	0.94
		65	14.79	0.85	15.71	0.88	16.62	0.91	17.29	0.92	18.46	0.94	19.38	0.95
		70	14.78	0.86	15.69	0.89	16.61	0.92	17.27	0.93	18.45	0.95	19.36	0.97
		75	14.42	0.90	15.34	0.93	16.25	0.97	16.91	0.98	18.08	1.00	19.00	1.02
		80	14.06	0.95	14.98	0.98	15.89	1.02	16.55	1.03	17.72	1.05	18.63	1.07
		85	13.71	0.99	14.62	1.03	15.53	1.07	16.19	1.08	17.36	1.10	18.27	1.12
		90	13.36	1.04	14.27	1.08	15.18	1.12	15.83	1.13	16.99	1.15	17.90	1.18
		95	12.98	1.09	13.88	1.13	14.79	1.17	**15.20**	**1.18**	16.59	1.20	17.50	1.23
		100	12.66	1.13	13.57	1.17	14.47	1.22	15.00	1.23	16.28	1.25	17.18	1.28
		105	12.35	1.18	13.25	1.22	14.15	1.27	14.81	1.28	15.96	1.31	16.87	1.33
		110	12.03	1.23	12.93	1.27	13.84	1.32	14.49	1.33	15.65	1.36	16.55	1.38
		115	11.71	1.27	12.62	1.32	13.52	1.37	14.17	1.38	15.33	1.41	16.23	1.44
		118	11.52	1.30	12.43	1.35	13.33	1.40	13.98	1.41	15.14	1.44	16.04	1.47
		122	11.46	1.34	12.36	1.38	13.27	1.44	13.92	1.45	15.08	1.48	15.98	1.51

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 27: LMU187HV Cooling Capacity Table —Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 12	14	14.90	0.74	15.83	0.77	16.75	0.79	17.42	0.80	18.60	0.82	19.53	0.83
		20	14.89	0.75	15.81	0.78	16.74	0.81	17.41	0.81	18.59	0.83	19.51	0.85
		25	14.88	0.76	15.80	0.79	16.73	0.82	17.39	0.83	18.57	0.84	19.50	0.86
		30	14.87	0.77	15.79	0.80	16.71	0.83	17.38	0.84	18.56	0.85	19.48	0.87
		35	14.86	0.78	15.78	0.81	16.70	0.84	17.37	0.85	18.55	0.87	19.47	0.88
		40	14.84	0.79	15.77	0.82	16.69	0.85	17.35	0.86	18.53	0.88	19.45	0.89
		45	14.83	0.80	15.75	0.83	16.67	0.86	17.34	0.87	18.52	0.89	19.44	0.91
		50	14.82	0.81	15.74	0.84	16.66	0.87	17.33	0.88	18.50	0.90	19.42	0.92
		55	14.81	0.82	15.73	0.85	16.65	0.89	17.31	0.90	18.49	0.91	19.41	0.93
		60	14.80	0.83	15.72	0.87	16.64	0.90	17.30	0.91	18.47	0.92	19.39	0.94
		65	14.79	0.85	15.71	0.88	16.62	0.91	17.29	0.92	18.46	0.94	19.38	0.95
		70	14.78	0.86	15.69	0.89	16.61	0.92	17.27	0.93	18.45	0.95	19.36	0.97
		75	14.42	0.90	15.34	0.93	16.25	0.97	16.91	0.98	18.08	1.00	19.00	1.02
		80	14.06	0.95	14.98	0.98	15.89	1.02	16.55	1.03	17.72	1.05	18.63	1.07
		85	13.71	0.99	14.62	1.03	15.53	1.07	16.19	1.08	17.36	1.10	18.27	1.12
		90	13.36	1.04	14.27	1.08	15.18	1.12	15.83	1.13	16.99	1.15	17.90	1.18
		95	12.98	1.09	13.88	1.13	14.79	1.17	**15.20**	**1.18**	16.59	1.20	17.50	1.23
		100	12.66	1.13	13.57	1.17	14.47	1.22	15.00	1.23	16.28	1.25	17.18	1.28
		105	12.35	1.18	13.25	1.22	14.15	1.27	14.81	1.28	15.96	1.31	16.87	1.33
		110	12.03	1.23	12.93	1.27	13.84	1.32	14.49	1.33	15.65	1.36	16.55	1.38
		115	11.71	1.27	12.62	1.32	13.52	1.37	14.17	1.38	15.33	1.41	16.23	1.44
		118	11.52	1.30	12.43	1.35	13.33	1.40	13.98	1.41	15.14	1.44	16.04	1.47
		122	11.46	1.34	12.36	1.38	13.27	1.44	13.92	1.45	15.08	1.48	15.98	1.51

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 28: LMU247HV Cooling Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	14	16.67	0.84	17.70	0.88	18.74	0.91	19.48	0.92	20.80	0.93	21.84	0.95
		20	16.65	0.86	17.69	0.89	18.72	0.92	19.47	0.93	20.79	0.95	21.82	0.97
		25	16.64	0.87	17.67	0.90	18.71	0.93	19.45	0.94	20.77	0.96	21.81	0.98
		30	16.63	0.88	17.66	0.91	18.69	0.95	19.44	0.96	20.76	0.97	21.79	0.99
		35	16.61	0.89	17.65	0.93	18.68	0.96	19.42	0.97	20.74	0.99	21.77	1.01
		40	16.60	0.90	17.63	0.94	18.66	0.97	19.41	0.98	20.73	1.00	21.76	1.02
		45	16.59	0.92	17.62	0.95	18.65	0.99	19.39	1.00	20.71	1.02	21.74	1.04
		50	16.58	0.93	17.61	0.96	18.63	1.00	19.38	1.01	20.69	1.03	21.72	1.05
		55	16.56	0.94	17.59	0.98	18.62	1.01	19.36	1.02	20.68	1.04	21.71	1.06
		60	16.55	0.95	17.58	0.99	18.61	1.02	19.35	1.04	20.66	1.06	21.69	1.08
		65	16.54	0.97	17.57	1.00	18.59	1.04	19.33	1.05	20.65	1.07	21.67	1.09
		70	16.53	0.98	17.55	1.01	18.58	1.05	19.32	1.06	20.63	1.08	21.66	1.10
		75	16.13	1.03	17.15	1.07	18.18	1.11	18.91	1.12	20.22	1.14	21.25	1.16
		80	15.73	1.08	16.75	1.12	17.77	1.16	18.51	1.18	19.81	1.20	20.84	1.22
		85	15.34	1.14	16.35	1.18	17.37	1.22	18.11	1.23	19.41	1.26	20.43	1.28
		90	14.94	1.19	15.96	1.23	16.97	1.28	17.71	1.29	19.01	1.32	20.02	1.34
		95	14.51	1.24	15.52	1.29	16.54	1.33	**17.00**	**1.35**	18.56	1.37	19.57	1.40
		100	14.16	1.29	15.17	1.34	16.18	1.39	16.78	1.41	18.20	1.43	19.22	1.46
		105	13.81	1.35	14.82	1.40	15.83	1.45	16.56	1.46	17.85	1.49	18.86	1.52
		110	13.45	1.40	14.46	1.45	15.48	1.50	16.21	1.52	17.50	1.55	18.51	1.58
		115	13.10	1.45	14.11	1.51	15.12	1.56	15.85	1.58	17.14	1.61	18.16	1.64
		118	12.89	1.48	13.90	1.54	14.91	1.59	15.64	1.61	16.93	1.64	17.94	1.68
		122	12.82	1.53	13.83	1.58	14.84	1.64	15.57	1.66	16.86	1.69	17.87	1.72
	9 + 12	14	17.35	0.87	18.43	0.90	19.51	0.93	20.28	0.94	21.66	0.96	22.74	0.98
		20	17.34	0.88	18.41	0.91	19.49	0.94	20.27	0.95	21.65	0.97	22.72	0.99
		25	17.32	0.89	18.40	0.92	19.48	0.96	20.25	0.97	21.63	0.99	22.70	1.01
		30	17.31	0.90	18.39	0.94	19.46	0.97	20.24	0.98	21.61	1.00	22.69	1.02
		35	17.30	0.92	18.37	0.95	19.45	0.98	20.22	0.99	21.60	1.01	22.67	1.03
		40	17.29	0.93	18.36	0.96	19.43	1.00	20.21	1.01	21.58	1.03	22.65	1.05
		45	17.27	0.94	18.34	0.97	19.42	1.01	20.19	1.02	21.56	1.04	22.64	1.06
		50	17.26	0.95	18.33	0.99	19.40	1.02	20.18	1.04	21.55	1.05	22.62	1.08
		55	17.25	0.96	18.32	1.00	19.39	1.04	20.16	1.05	21.53	1.07	22.60	1.09
		60	17.23	0.98	18.30	1.01	19.37	1.05	20.15	1.06	21.51	1.08	22.58	1.10
		65	17.22	0.99	18.29	1.03	19.36	1.06	20.13	1.08	21.50	1.10	22.57	1.12
		70	17.21	1.00	18.27	1.04	19.34	1.08	20.11	1.09	21.48	1.11	22.55	1.13
		75	16.79	1.06	17.86	1.09	18.92	1.13	19.69	1.15	21.06	1.17	22.12	1.19
		80	16.38	1.11	17.44	1.15	18.50	1.19	19.27	1.21	20.63	1.23	21.69	1.25
		85	15.97	1.16	17.03	1.21	18.09	1.25	18.85	1.27	20.21	1.29	21.27	1.32
		90	15.56	1.22	16.61	1.26	17.67	1.31	18.44	1.32	19.79	1.35	20.85	1.38
		95	15.11	1.27	16.16	1.32	17.22	1.37	**17.70**	**1.38**	19.32	1.41	20.38	1.44
		100	14.74	1.33	15.80	1.38	16.85	1.43	17.47	1.44	18.95	1.47	20.01	1.50
		105	14.38	1.38	15.43	1.43	16.48	1.48	17.24	1.50	18.59	1.53	19.64	1.56
		110	14.01	1.43	15.06	1.49	16.11	1.54	16.87	1.56	18.22	1.59	19.27	1.62
		115	13.64	1.49	14.69	1.54	15.75	1.60	16.51	1.62	17.85	1.65	18.90	1.68
		118	13.42	1.52	14.47	1.58	15.52	1.63	16.28	1.65	17.63	1.68	18.68	1.72
		122	13.35	1.56	14.40	1.62	15.45	1.68	16.21	1.70	17.56	1.73	18.61	1.77

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 29: LMU247HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	12 + 12	14	18.82	0.92	19.99	0.95	21.16	0.99	22.00	1.00	23.50	1.02	24.67	1.04
		20	18.81	0.93	19.98	0.97	21.14	1.00	21.99	1.01	23.48	1.03	24.65	1.05
		25	18.79	0.95	19.96	0.98	21.13	1.02	21.97	1.03	23.46	1.05	24.63	1.07
		30	18.78	0.96	19.94	0.99	21.11	1.03	21.95	1.04	23.44	1.06	24.61	1.08
		35	18.76	0.97	19.93	1.01	21.09	1.04	21.94	1.06	23.43	1.08	24.59	1.10
		40	18.75	0.99	19.91	1.02	21.08	1.06	21.92	1.07	23.41	1.09	24.57	1.11
		45	18.74	1.00	19.90	1.04	21.06	1.07	21.90	1.09	23.39	1.11	24.55	1.13
		50	18.72	1.01	19.88	1.05	21.05	1.09	21.89	1.10	23.37	1.12	24.53	1.14
		55	18.71	1.02	19.87	1.06	21.03	1.10	21.87	1.11	23.35	1.13	24.52	1.16
		60	18.69	1.04	19.85	1.08	21.01	1.12	21.85	1.13	23.34	1.15	24.50	1.17
		65	18.68	1.05	19.84	1.09	21.00	1.13	21.84	1.14	23.32	1.16	24.48	1.19
		70	18.66	1.06	19.82	1.10	20.98	1.14	21.82	1.16	23.30	1.18	24.46	1.20
		75	18.21	1.12	19.37	1.16	20.53	1.21	21.36	1.22	22.84	1.24	24.00	1.27
		80	17.77	1.18	18.92	1.22	20.07	1.27	20.91	1.28	22.38	1.31	23.53	1.33
		85	17.32	1.24	18.47	1.28	19.62	1.33	20.45	1.34	21.92	1.37	23.07	1.40
		90	16.88	1.29	18.02	1.34	19.17	1.39	20.00	1.41	21.47	1.43	22.61	1.46
		95	16.39	1.35	17.53	1.40	18.68	1.45	**19.20**	**1.47**	20.96	1.50	22.10	1.53
		100	15.99	1.41	17.13	1.46	18.28	1.51	18.95	1.53	20.56	1.56	21.70	1.59
		105	15.59	1.47	16.74	1.52	17.88	1.58	18.70	1.59	20.16	1.62	21.30	1.66
		110	15.19	1.52	16.34	1.58	17.48	1.64	18.30	1.66	19.76	1.69	20.90	1.72
		115	14.80	1.58	15.94	1.64	17.08	1.70	17.90	1.72	19.36	1.75	20.51	1.79
		118	14.56	1.62	15.70	1.67	16.84	1.74	17.66	1.76	19.12	1.79	20.27	1.82
		122	14.48	1.66	15.62	1.72	16.76	1.79	17.58	1.81	19.04	1.84	20.19	1.88
	9 + 18	14	18.82	0.92	19.99	0.95	21.16	0.99	22.00	1.00	23.50	1.02	24.67	1.04
		20	18.81	0.93	19.98	0.97	21.14	1.00	21.99	1.01	23.48	1.03	24.65	1.05
		25	18.79	0.95	19.96	0.98	21.13	1.02	21.97	1.03	23.46	1.05	24.63	1.07
		30	18.78	0.96	19.94	0.99	21.11	1.03	21.95	1.04	23.44	1.06	24.61	1.08
		35	18.76	0.97	19.93	1.01	21.09	1.04	21.94	1.06	23.43	1.08	24.59	1.10
		40	18.75	0.99	19.91	1.02	21.08	1.06	21.92	1.07	23.41	1.09	24.57	1.11
		45	18.74	1.00	19.90	1.04	21.06	1.07	21.90	1.09	23.39	1.11	24.55	1.13
		50	18.72	1.01	19.88	1.05	21.05	1.09	21.89	1.10	23.37	1.12	24.53	1.14
		55	18.71	1.02	19.87	1.06	21.03	1.10	21.87	1.11	23.35	1.13	24.52	1.16
		60	18.69	1.04	19.85	1.08	21.01	1.12	21.85	1.13	23.34	1.15	24.50	1.17
		65	18.68	1.05	19.84	1.09	21.00	1.13	21.84	1.14	23.32	1.16	24.48	1.19
		70	18.66	1.06	19.82	1.10	20.98	1.14	21.82	1.16	23.30	1.18	24.46	1.20
		75	18.21	1.12	19.37	1.16	20.53	1.21	21.36	1.22	22.84	1.24	24.00	1.27
		80	17.77	1.18	18.92	1.22	20.07	1.27	20.91	1.28	22.38	1.31	23.53	1.33
		85	17.32	1.24	18.47	1.28	19.62	1.33	20.45	1.34	21.92	1.37	23.07	1.40
		90	16.88	1.29	18.02	1.34	19.17	1.39	20.00	1.41	21.47	1.43	22.61	1.46
		95	16.39	1.35	17.53	1.40	18.68	1.45	**19.20**	**1.47**	20.96	1.50	22.10	1.53
		100	15.99	1.41	17.13	1.46	18.28	1.51	18.95	1.53	20.56	1.56	21.70	1.59
		105	15.59	1.47	16.74	1.52	17.88	1.58	18.70	1.59	20.16	1.62	21.30	1.66
		110	15.19	1.52	16.34	1.58	17.48	1.64	18.30	1.66	19.76	1.69	20.90	1.72
		115	14.80	1.58	15.94	1.64	17.08	1.70	17.90	1.72	19.36	1.75	20.51	1.79
		118	14.56	1.62	15.70	1.67	16.84	1.74	17.66	1.76	19.12	1.79	20.27	1.82
		122	14.48	1.66	15.62	1.72	16.76	1.79	17.58	1.81	19.04	1.84	20.19	1.88

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 30: LMU247HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	12 + 18	14	18.82	0.92	19.99	0.95	21.16	0.99	22.00	1.00	23.50	1.02	24.67	1.04
		20	18.81	0.93	19.98	0.97	21.14	1.00	21.99	1.01	23.48	1.03	24.65	1.05
		25	18.79	0.95	19.96	0.98	21.13	1.02	21.97	1.03	23.46	1.05	24.63	1.07
		30	18.78	0.96	19.94	0.99	21.11	1.03	21.95	1.04	23.44	1.06	24.61	1.08
		35	18.76	0.97	19.93	1.01	21.09	1.04	21.94	1.06	23.43	1.08	24.59	1.10
		40	18.75	0.99	19.91	1.02	21.08	1.06	21.92	1.07	23.41	1.09	24.57	1.11
		45	18.74	1.00	19.90	1.04	21.06	1.07	21.90	1.09	23.39	1.11	24.55	1.13
		50	18.72	1.01	19.88	1.05	21.05	1.09	21.89	1.10	23.37	1.12	24.53	1.14
		55	18.71	1.02	19.87	1.06	21.03	1.10	21.87	1.11	23.35	1.13	24.52	1.16
		60	18.69	1.04	19.85	1.08	21.01	1.12	21.85	1.13	23.34	1.15	24.50	1.17
		65	18.68	1.05	19.84	1.09	21.00	1.13	21.84	1.14	23.32	1.16	24.48	1.19
		70	18.66	1.06	19.82	1.10	20.98	1.14	21.82	1.16	23.30	1.18	24.46	1.20
		75	18.21	1.12	19.37	1.16	20.53	1.21	21.36	1.22	22.84	1.24	24.00	1.27
		80	17.77	1.18	18.92	1.22	20.07	1.27	20.91	1.28	22.38	1.31	23.53	1.33
		85	17.32	1.24	18.47	1.28	19.62	1.33	20.45	1.34	21.92	1.37	23.07	1.40
		90	16.88	1.29	18.02	1.34	19.17	1.39	20.00	1.41	21.47	1.43	22.61	1.46
		95	16.39	1.35	17.53	1.40	18.68	1.45	**19.20**	**1.47**	20.96	1.50	22.10	1.53
		100	15.99	1.41	17.13	1.46	18.28	1.51	18.95	1.53	20.56	1.56	21.70	1.59
		105	15.59	1.47	16.74	1.52	17.88	1.58	18.70	1.59	20.16	1.62	21.30	1.66
		110	15.19	1.52	16.34	1.58	17.48	1.64	18.30	1.66	19.76	1.69	20.90	1.72
		115	14.80	1.58	15.94	1.64	17.08	1.70	17.90	1.72	19.36	1.75	20.51	1.79
		118	14.56	1.62	15.70	1.67	16.84	1.74	17.66	1.76	19.12	1.79	20.27	1.82
		122	14.48	1.66	15.62	1.72	16.76	1.79	17.58	1.81	19.04	1.84	20.19	1.88
Three (3) Non-Ducted Indoor Units	9 + 9 + 9	14	18.82	0.90	19.99	0.93	21.16	0.96	22.00	0.97	23.50	0.99	24.67	1.01
		20	18.81	0.91	19.98	0.94	21.14	0.98	21.99	0.99	23.48	1.01	24.65	1.03
		25	18.79	0.92	19.96	0.95	21.13	0.99	21.97	1.00	23.46	1.02	24.63	1.04
		30	18.78	0.93	19.94	0.97	21.11	1.00	21.95	1.02	23.44	1.03	24.61	1.05
		35	18.76	0.95	19.93	0.98	21.09	1.02	21.94	1.03	23.43	1.05	24.59	1.07
		40	18.75	0.96	19.91	0.99	21.08	1.03	21.92	1.04	23.41	1.06	24.57	1.08
		45	18.74	0.97	19.90	1.01	21.06	1.05	21.90	1.06	23.39	1.08	24.55	1.10
		50	18.72	0.99	19.88	1.02	21.05	1.06	21.89	1.07	23.37	1.09	24.53	1.11
		55	18.71	1.00	19.87	1.03	21.03	1.07	21.87	1.09	23.35	1.11	24.52	1.13
		60	18.69	1.01	19.85	1.05	21.01	1.09	21.85	1.10	23.34	1.12	24.50	1.14
		65	18.68	1.02	19.84	1.06	21.00	1.10	21.84	1.11	23.32	1.13	24.48	1.16
		70	18.66	1.04	19.82	1.07	20.98	1.11	21.82	1.13	23.30	1.15	24.46	1.17
		75	18.21	1.09	19.37	1.13	20.53	1.17	21.36	1.19	22.84	1.21	24.00	1.23
		80	17.77	1.15	18.92	1.19	20.07	1.23	20.91	1.25	22.38	1.27	23.53	1.30
		85	17.32	1.20	18.47	1.25	19.62	1.29	20.45	1.31	21.92	1.33	23.07	1.36
		90	16.88	1.26	18.02	1.31	19.17	1.35	20.00	1.37	21.47	1.40	22.61	1.42
		95	16.39	1.32	17.53	1.36	18.68	1.41	**19.20**	**1.43**	20.96	1.46	22.10	1.49
		100	15.99	1.37	17.13	1.42	18.28	1.47	18.95	1.49	20.56	1.52	21.70	1.55
		105	15.59	1.43	16.74	1.48	17.88	1.53	18.70	1.55	20.16	1.58	21.30	1.61
		110	15.19	1.48	16.34	1.54	17.48	1.60	18.30	1.61	19.76	1.64	20.90	1.68
		115	14.80	1.54	15.94	1.60	17.08	1.66	17.90	1.67	19.36	1.71	20.51	1.74
		118	14.56	1.57	15.70	1.63	16.84	1.69	17.66	1.71	19.12	1.74	20.27	1.78
		122	14.48	1.62	15.62	1.68	16.76	1.74	17.58	1.76	19.04	1.79	20.19	1.83

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 31: LMU247HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 9 + 12	14	18.82	0.90	19.99	0.93	21.16	0.96	22.00	0.97	23.50	0.99	24.67	1.01
		20	18.81	0.91	19.98	0.94	21.14	0.98	21.99	0.99	23.48	1.01	24.65	1.03
		25	18.79	0.92	19.96	0.95	21.13	0.99	21.97	1.00	23.46	1.02	24.63	1.04
		30	18.78	0.93	19.94	0.97	21.11	1.00	21.95	1.02	23.44	1.03	24.61	1.05
		35	18.76	0.95	19.93	0.98	21.09	1.02	21.94	1.03	23.43	1.05	24.59	1.07
		40	18.75	0.96	19.91	0.99	21.08	1.03	21.92	1.04	23.41	1.06	24.57	1.08
		45	18.74	0.97	19.90	1.01	21.06	1.05	21.90	1.06	23.39	1.08	24.55	1.10
		50	18.72	0.99	19.88	1.02	21.05	1.06	21.89	1.07	23.37	1.09	24.53	1.11
		55	18.71	1.00	19.87	1.03	21.03	1.07	21.87	1.09	23.35	1.11	24.52	1.13
		60	18.69	1.01	19.85	1.05	21.01	1.09	21.85	1.10	23.34	1.12	24.50	1.14
		65	18.68	1.02	19.84	1.06	21.00	1.10	21.84	1.11	23.32	1.13	24.48	1.16
		70	18.66	1.04	19.82	1.07	20.98	1.11	21.82	1.13	23.30	1.15	24.46	1.17
		75	18.21	1.09	19.37	1.13	20.53	1.17	21.36	1.19	22.84	1.21	24.00	1.23
		80	17.77	1.15	18.92	1.19	20.07	1.23	20.91	1.25	22.38	1.27	23.53	1.30
		85	17.32	1.20	18.47	1.25	19.62	1.29	20.45	1.31	21.92	1.33	23.07	1.36
		90	16.88	1.26	18.02	1.31	19.17	1.35	20.00	1.37	21.47	1.40	22.61	1.42
		95	16.39	1.32	17.53	1.36	18.68	1.41	**19.20**	**1.43**	20.96	1.46	22.10	1.49
		100	15.99	1.37	17.13	1.42	18.28	1.47	18.95	1.49	20.56	1.52	21.70	1.55
		105	15.59	1.43	16.74	1.48	17.88	1.53	18.70	1.55	20.16	1.58	21.30	1.61
		110	15.19	1.48	16.34	1.54	17.48	1.60	18.30	1.61	19.76	1.64	20.90	1.68
		115	14.80	1.54	15.94	1.60	17.08	1.66	17.90	1.67	19.36	1.71	20.51	1.74
		118	14.56	1.57	15.70	1.63	16.84	1.69	17.66	1.71	19.12	1.74	20.27	1.78
		122	14.48	1.62	15.62	1.68	16.76	1.74	17.58	1.76	19.04	1.79	20.19	1.83
	9 + 12 + 12	14	18.82	0.90	19.99	0.93	21.16	0.96	22.00	0.97	23.50	0.99	24.67	1.01
		20	18.81	0.91	19.98	0.94	21.14	0.98	21.99	0.99	23.48	1.01	24.65	1.03
		25	18.79	0.92	19.96	0.95	21.13	0.99	21.97	1.00	23.46	1.02	24.63	1.04
		30	18.78	0.93	19.94	0.97	21.11	1.00	21.95	1.02	23.44	1.03	24.61	1.05
		35	18.76	0.95	19.93	0.98	21.09	1.02	21.94	1.03	23.43	1.05	24.59	1.07
		40	18.75	0.96	19.91	0.99	21.08	1.03	21.92	1.04	23.41	1.06	24.57	1.08
		45	18.74	0.97	19.90	1.01	21.06	1.05	21.90	1.06	23.39	1.08	24.55	1.10
		50	18.72	0.99	19.88	1.02	21.05	1.06	21.89	1.07	23.37	1.09	24.53	1.11
		55	18.71	1.00	19.87	1.03	21.03	1.07	21.87	1.09	23.35	1.11	24.52	1.13
		60	18.69	1.01	19.85	1.05	21.01	1.09	21.85	1.10	23.34	1.12	24.50	1.14
		65	18.68	1.02	19.84	1.06	21.00	1.10	21.84	1.11	23.32	1.13	24.48	1.16
		70	18.66	1.04	19.82	1.07	20.98	1.11	21.82	1.13	23.30	1.15	24.46	1.17
		75	18.21	1.09	19.37	1.13	20.53	1.17	21.36	1.19	22.84	1.21	24.00	1.23
		80	17.77	1.15	18.92	1.19	20.07	1.23	20.91	1.25	22.38	1.27	23.53	1.30
		85	17.32	1.20	18.47	1.25	19.62	1.29	20.45	1.31	21.92	1.33	23.07	1.36
		90	16.88	1.26	18.02	1.31	19.17	1.35	20.00	1.37	21.47	1.40	22.61	1.42
		95	16.39	1.32	17.53	1.36	18.68	1.41	**19.20**	**1.43**	20.96	1.46	22.10	1.49
		100	15.99	1.37	17.13	1.42	18.28	1.47	18.95	1.49	20.56	1.52	21.70	1.55
		105	15.59	1.43	16.74	1.48	17.88	1.53	18.70	1.55	20.16	1.58	21.30	1.61
		110	15.19	1.48	16.34	1.54	17.48	1.60	18.30	1.61	19.76	1.64	20.90	1.68
		115	14.80	1.54	15.94	1.60	17.08	1.66	17.90	1.67	19.36	1.71	20.51	1.74
		118	14.56	1.57	15.70	1.63	16.84	1.69	17.66	1.71	19.12	1.74	20.27	1.78
		122	14.48	1.62	15.62	1.68	16.76	1.74	17.58	1.76	19.04	1.79	20.19	1.83

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 32: LMU247HV Cooling Capacity Table — Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	9 + 9	14	16.27	0.94	17.28	0.97	18.29	1.01	19.02	1.02	20.32	1.04	21.33	1.06
		20	16.26	0.95	17.27	0.98	18.28	1.02	19.01	1.03	20.30	1.05	21.31	1.07
		25	16.25	0.96	17.26	1.00	18.27	1.03	19.00	1.05	20.28	1.07	21.29	1.09
		30	16.24	0.98	17.24	1.01	18.25	1.05	18.98	1.06	20.27	1.08	21.28	1.10
		35	16.22	0.99	17.23	1.03	18.24	1.06	18.97	1.08	20.25	1.10	21.26	1.12
		40	16.21	1.00	17.22	1.04	18.22	1.08	18.95	1.09	20.24	1.11	21.24	1.13
		45	16.20	1.02	17.20	1.05	18.21	1.09	18.94	1.10	20.22	1.13	21.23	1.15
		50	16.19	1.03	17.19	1.07	18.20	1.11	18.92	1.12	20.21	1.14	21.21	1.16
		55	16.17	1.04	17.18	1.08	18.18	1.12	18.91	1.13	20.19	1.15	21.20	1.18
		60	16.16	1.06	17.16	1.10	18.17	1.14	18.89	1.15	20.18	1.17	21.18	1.19
		65	16.15	1.07	17.15	1.11	18.15	1.15	18.88	1.16	20.16	1.18	21.16	1.21
		70	16.14	1.08	17.14	1.12	18.14	1.16	18.86	1.18	20.14	1.20	21.15	1.22
		75	15.75	1.14	16.75	1.18	17.75	1.23	18.47	1.24	19.75	1.26	20.75	1.29
		80	15.36	1.20	16.36	1.24	17.35	1.29	18.07	1.30	19.35	1.33	20.35	1.36
		85	14.97	1.26	15.97	1.30	16.96	1.35	17.68	1.37	18.95	1.39	19.95	1.42
		90	14.59	1.32	15.58	1.37	16.57	1.42	17.29	1.43	18.56	1.46	19.55	1.49
		95	14.17	1.38	15.16	1.43	16.15	1.48	**16.60**	**1.50**	18.12	1.52	19.11	1.55
		100	13.83	1.43	14.81	1.49	15.80	1.54	16.38	1.56	17.78	1.59	18.76	1.62
		105	13.48	1.49	14.47	1.55	15.46	1.60	16.17	1.62	17.43	1.65	18.42	1.69
		110	13.14	1.55	14.12	1.61	15.11	1.67	15.82	1.69	17.09	1.72	18.07	1.75
		115	12.79	1.61	13.78	1.67	14.77	1.73	15.48	1.75	16.74	1.78	17.73	1.82
		118	12.58	1.64	13.57	1.70	14.56	1.77	15.27	1.79	16.53	1.82	17.52	1.86
		122	12.52	1.69	13.50	1.75	14.49	1.82	15.20	1.84	16.47	1.87	17.45	1.91
	9 + 12	14	16.67	0.94	17.70	0.98	18.74	1.01	19.48	1.02	20.80	1.04	21.84	1.06
		20	16.65	0.95	17.69	0.99	18.72	1.03	19.47	1.04	20.79	1.06	21.82	1.08
		25	16.64	0.97	17.67	1.00	18.71	1.04	19.45	1.05	20.77	1.07	21.81	1.09
		30	16.63	0.98	17.66	1.02	18.69	1.05	19.44	1.07	20.76	1.09	21.79	1.11
		35	16.61	1.00	17.65	1.03	18.68	1.07	19.42	1.08	20.74	1.10	21.77	1.12
		40	16.60	1.01	17.63	1.05	18.66	1.08	19.41	1.10	20.73	1.12	21.76	1.14
		45	16.59	1.02	17.62	1.06	18.65	1.10	19.39	1.11	20.71	1.13	21.74	1.15
		50	16.58	1.04	17.61	1.07	18.63	1.11	19.38	1.13	20.69	1.15	21.72	1.17
		55	16.56	1.05	17.59	1.09	18.62	1.13	19.36	1.14	20.68	1.16	21.71	1.19
		60	16.55	1.06	17.58	1.10	18.61	1.14	19.35	1.16	20.66	1.18	21.69	1.20
		65	16.54	1.08	17.57	1.12	18.59	1.16	19.33	1.17	20.65	1.19	21.67	1.22
		70	16.53	1.09	17.55	1.13	18.58	1.17	19.32	1.18	20.63	1.21	21.66	1.23
		75	16.13	1.15	17.15	1.19	18.18	1.23	18.91	1.25	20.22	1.27	21.25	1.30
		80	15.73	1.21	16.75	1.25	17.77	1.30	18.51	1.31	19.81	1.34	20.84	1.36
		85	15.34	1.27	16.35	1.31	17.37	1.36	18.11	1.38	19.41	1.40	20.43	1.43
		90	14.94	1.33	15.96	1.37	16.97	1.42	17.71	1.44	19.01	1.47	20.02	1.50
		95	14.51	1.38	15.52	1.43	16.54	1.49	**17.00**	**1.50**	18.56	1.53	19.57	1.56
		100	14.16	1.44	15.17	1.50	16.18	1.55	16.78	1.57	18.20	1.60	19.22	1.63
		105	13.81	1.50	14.82	1.56	15.83	1.61	16.56	1.63	17.85	1.66	18.86	1.70
		110	13.45	1.56	14.46	1.62	15.48	1.68	16.21	1.70	17.50	1.73	18.51	1.76
		115	13.10	1.62	14.11	1.68	15.12	1.74	15.85	1.76	17.14	1.79	18.16	1.83
		118	12.89	1.65	13.90	1.71	14.91	1.78	15.64	1.80	16.93	1.83	17.94	1.87
		122	12.82	1.70	13.83	1.76	14.84	1.83	15.57	1.85	16.86	1.88	17.87	1.92

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 33: LMU247HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 12	14	17.65	0.98	18.74	1.02	19.84	1.05	20.63	1.06	22.03	1.08	23.12	1.11
		20	17.63	0.99	18.73	1.03	19.82	1.07	20.61	1.08	22.01	1.10	23.11	1.12
		25	17.62	1.01	18.71	1.04	19.81	1.08	20.60	1.09	22.00	1.12	23.09	1.14
		30	17.60	1.02	18.70	1.06	19.79	1.10	20.58	1.11	21.98	1.13	23.07	1.15
		35	17.59	1.04	18.68	1.07	19.78	1.11	20.57	1.13	21.96	1.15	23.05	1.17
		40	17.58	1.05	18.67	1.09	19.76	1.13	20.55	1.14	21.94	1.16	23.04	1.19
		45	17.56	1.06	18.66	1.10	19.75	1.14	20.53	1.16	21.93	1.18	23.02	1.20
		50	17.55	1.08	18.64	1.12	19.73	1.16	20.52	1.17	21.91	1.19	23.00	1.22
		55	17.54	1.09	18.63	1.13	19.72	1.17	20.50	1.19	21.89	1.21	22.98	1.23
		60	17.52	1.11	18.61	1.15	19.70	1.19	20.49	1.20	21.88	1.22	22.97	1.25
		65	17.51	1.12	18.60	1.16	19.69	1.20	20.47	1.22	21.86	1.24	22.95	1.26
		70	17.50	1.13	18.58	1.18	19.67	1.22	20.46	1.23	21.84	1.26	22.93	1.28
		75	17.08	1.20	18.16	1.24	19.24	1.28	20.03	1.30	21.41	1.32	22.50	1.35
		80	16.66	1.26	17.74	1.30	18.82	1.35	19.60	1.37	20.98	1.39	22.06	1.42
		85	16.24	1.32	17.32	1.37	18.40	1.42	19.17	1.43	20.55	1.46	21.63	1.49
		90	15.82	1.38	16.90	1.43	17.97	1.48	18.75	1.50	20.12	1.53	21.20	1.56
		95	15.37	1.44	16.44	1.49	17.51	1.55	**18.00**	**1.57**	19.65	1.59	20.72	1.63
		100	14.99	1.50	16.06	1.56	17.13	1.61	17.77	1.63	19.28	1.66	20.35	1.70
		105	14.62	1.56	15.69	1.62	16.76	1.68	17.53	1.70	18.90	1.73	19.97	1.76
		110	14.24	1.62	15.32	1.68	16.39	1.74	17.16	1.76	18.53	1.80	19.60	1.83
		115	13.87	1.68	14.94	1.75	16.01	1.81	16.79	1.83	18.15	1.87	19.22	1.90
		118	13.65	1.72	14.72	1.78	15.79	1.85	16.56	1.87	17.93	1.91	19.00	1.94
		122	13.57	1.77	14.64	1.84	15.71	1.90	16.49	1.92	17.85	1.96	18.92	2.00
	9 + 18	14	17.65	0.98	18.74	1.02	19.84	1.05	20.63	1.06	22.03	1.08	23.12	1.11
		20	17.63	0.99	18.73	1.03	19.82	1.07	20.61	1.08	22.01	1.10	23.11	1.12
		25	17.62	1.01	18.71	1.04	19.81	1.08	20.60	1.09	22.00	1.12	23.09	1.14
		30	17.60	1.02	18.70	1.06	19.79	1.10	20.58	1.11	21.98	1.13	23.07	1.15
		35	17.59	1.04	18.68	1.07	19.78	1.11	20.57	1.13	21.96	1.15	23.05	1.17
		40	17.58	1.05	18.67	1.09	19.76	1.13	20.55	1.14	21.94	1.16	23.04	1.19
		45	17.56	1.06	18.66	1.10	19.75	1.14	20.53	1.16	21.93	1.18	23.02	1.20
		50	17.55	1.08	18.64	1.12	19.73	1.16	20.52	1.17	21.91	1.19	23.00	1.22
		55	17.54	1.09	18.63	1.13	19.72	1.17	20.50	1.19	21.89	1.21	22.98	1.23
		60	17.52	1.11	18.61	1.15	19.70	1.19	20.49	1.20	21.88	1.22	22.97	1.25
		65	17.51	1.12	18.60	1.16	19.69	1.20	20.47	1.22	21.86	1.24	22.95	1.26
		70	17.50	1.13	18.58	1.18	19.67	1.22	20.46	1.23	21.84	1.26	22.93	1.28
		75	17.08	1.20	18.16	1.24	19.24	1.28	20.03	1.30	21.41	1.32	22.50	1.35
		80	16.66	1.26	17.74	1.30	18.82	1.35	19.60	1.37	20.98	1.39	22.06	1.42
		85	16.24	1.32	17.32	1.37	18.40	1.42	19.17	1.43	20.55	1.46	21.63	1.49
		90	15.82	1.38	16.90	1.43	17.97	1.48	18.75	1.50	20.12	1.53	21.20	1.56
		95	15.37	1.44	16.44	1.49	17.51	1.55	**18.00**	**1.57**	19.65	1.59	20.72	1.63
		100	14.99	1.50	16.06	1.56	17.13	1.61	17.77	1.63	19.28	1.66	20.35	1.70
		105	14.62	1.56	15.69	1.62	16.76	1.68	17.53	1.70	18.90	1.73	19.97	1.76
		110	14.24	1.62	15.32	1.68	16.39	1.74	17.16	1.76	18.53	1.80	19.60	1.83
		115	13.87	1.68	14.94	1.75	16.01	1.81	16.79	1.83	18.15	1.87	19.22	1.90
		118	13.65	1.72	14.72	1.78	15.79	1.85	16.56	1.87	17.93	1.91	19.00	1.94
		122	13.57	1.77	14.64	1.84	15.71	1.90	16.49	1.92	17.85	1.96	18.92	2.00

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 34: LMU247HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 18	14	17.65	0.98	18.74	1.02	19.84	1.05	20.63	1.06	22.03	1.08	23.12	1.11
		20	17.63	0.99	18.73	1.03	19.82	1.07	20.61	1.08	22.01	1.10	23.11	1.12
		25	17.62	1.01	18.71	1.04	19.81	1.08	20.60	1.09	22.00	1.12	23.09	1.14
		30	17.60	1.02	18.70	1.06	19.79	1.10	20.58	1.11	21.98	1.13	23.07	1.15
		35	17.59	1.04	18.68	1.07	19.78	1.11	20.57	1.13	21.96	1.15	23.05	1.17
		40	17.58	1.05	18.67	1.09	19.76	1.13	20.55	1.14	21.94	1.16	23.04	1.19
		45	17.56	1.06	18.66	1.10	19.75	1.14	20.53	1.16	21.93	1.18	23.02	1.20
		50	17.55	1.08	18.64	1.12	19.73	1.16	20.52	1.17	21.91	1.19	23.00	1.22
		55	17.54	1.09	18.63	1.13	19.72	1.17	20.50	1.19	21.89	1.21	22.98	1.23
		60	17.52	1.11	18.61	1.15	19.70	1.19	20.49	1.20	21.88	1.22	22.97	1.25
		65	17.51	1.12	18.60	1.16	19.69	1.20	20.47	1.22	21.86	1.24	22.95	1.26
		70	17.50	1.13	18.58	1.18	19.67	1.22	20.46	1.23	21.84	1.26	22.93	1.28
		75	17.08	1.20	18.16	1.24	19.24	1.28	20.03	1.30	21.41	1.32	22.50	1.35
		80	16.66	1.26	17.74	1.30	18.82	1.35	19.60	1.37	20.98	1.39	22.06	1.42
		85	16.24	1.32	17.32	1.37	18.40	1.42	19.17	1.43	20.55	1.46	21.63	1.49
		90	15.82	1.38	16.90	1.43	17.97	1.48	18.75	1.50	20.12	1.53	21.20	1.56
		95	15.37	1.44	16.44	1.49	17.51	1.55	**18.00**	**1.57**	19.65	1.59	20.72	1.63
		100	14.99	1.50	16.06	1.56	17.13	1.61	17.77	1.63	19.28	1.66	20.35	1.70
		105	14.62	1.56	15.69	1.62	16.76	1.68	17.53	1.70	18.90	1.73	19.97	1.76
		110	14.24	1.62	15.32	1.68	16.39	1.74	17.16	1.76	18.53	1.80	19.60	1.83
		115	13.87	1.68	14.94	1.75	16.01	1.81	16.79	1.83	18.15	1.87	19.22	1.90
		118	13.65	1.72	14.72	1.78	15.79	1.85	16.56	1.87	17.93	1.91	19.00	1.94
		122	13.57	1.77	14.64	1.84	15.71	1.90	16.49	1.92	17.85	1.96	18.92	2.00
Three (3) Ducted Indoor Units	9 + 9 + 9	14	17.65	0.95	18.74	0.99	19.84	1.03	20.63	1.04	22.03	1.06	23.12	1.08
		20	17.63	0.97	18.73	1.00	19.82	1.04	20.61	1.05	22.01	1.07	23.11	1.09
		25	17.62	0.98	18.71	1.02	19.81	1.05	20.60	1.07	22.00	1.09	23.09	1.11
		30	17.60	1.00	18.70	1.03	19.79	1.07	20.58	1.08	21.98	1.10	23.07	1.12
		35	17.59	1.01	18.68	1.05	19.78	1.08	20.57	1.10	21.96	1.12	23.05	1.14
		40	17.58	1.02	18.67	1.06	19.76	1.10	20.55	1.11	21.94	1.13	23.04	1.16
		45	17.56	1.04	18.66	1.07	19.75	1.11	20.53	1.13	21.93	1.15	23.02	1.17
		50	17.55	1.05	18.64	1.09	19.73	1.13	20.52	1.14	21.91	1.16	23.00	1.19
		55	17.54	1.06	18.63	1.10	19.72	1.14	20.50	1.16	21.89	1.18	22.98	1.20
		60	17.52	1.08	18.61	1.12	19.70	1.16	20.49	1.17	21.88	1.19	22.97	1.22
		65	17.51	1.09	18.60	1.13	19.69	1.17	20.47	1.19	21.86	1.21	22.95	1.23
		70	17.50	1.11	18.58	1.15	19.67	1.19	20.46	1.20	21.84	1.22	22.93	1.25
		75	17.08	1.16	18.16	1.21	19.24	1.25	20.03	1.27	21.41	1.29	22.50	1.32
		80	16.66	1.22	17.74	1.27	18.82	1.32	19.60	1.33	20.98	1.36	22.06	1.38
		85	16.24	1.28	17.32	1.33	18.40	1.38	19.17	1.40	20.55	1.42	21.63	1.45
		90	15.82	1.34	16.90	1.39	17.97	1.44	18.75	1.46	20.12	1.49	21.20	1.52
		95	15.37	1.40	16.44	1.45	17.51	1.51	**18.00**	**1.53**	19.65	1.55	20.72	1.58
		100	14.99	1.46	16.06	1.52	17.13	1.57	17.77	1.59	19.28	1.62	20.35	1.65
		105	14.62	1.52	15.69	1.58	16.76	1.64	17.53	1.65	18.90	1.69	19.97	1.72
		110	14.24	1.58	15.32	1.64	16.39	1.70	17.16	1.72	18.53	1.75	19.60	1.79
		115	13.87	1.64	14.94	1.70	16.01	1.76	16.79	1.78	18.15	1.82	19.22	1.85
		118	13.65	1.68	14.72	1.74	15.79	1.80	16.56	1.82	17.93	1.86	19.00	1.89
		122	13.57	1.73	14.64	1.79	15.71	1.85	16.49	1.87	17.85	1.91	18.92	1.95

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 35: LMU247HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 /57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 9 + 12	14	17.65	0.95	18.74	0.99	19.84	1.03	20.63	1.04	22.03	1.06	23.12	1.08
		20	17.63	0.97	18.73	1.00	19.82	1.04	20.61	1.05	22.01	1.07	23.11	1.09
		25	17.62	0.98	18.71	1.02	19.81	1.05	20.60	1.07	22.00	1.09	23.09	1.11
		30	17.60	1.00	18.70	1.03	19.79	1.07	20.58	1.08	21.98	1.10	23.07	1.12
		35	17.59	1.01	18.68	1.05	19.78	1.08	20.57	1.10	21.96	1.12	23.05	1.14
		40	17.58	1.02	18.67	1.06	19.76	1.10	20.55	1.11	21.94	1.13	23.04	1.16
		45	17.56	1.04	18.66	1.07	19.75	1.11	20.53	1.13	21.93	1.15	23.02	1.17
		50	17.55	1.05	18.64	1.09	19.73	1.13	20.52	1.14	21.91	1.16	23.00	1.19
		55	17.54	1.06	18.63	1.10	19.72	1.14	20.50	1.16	21.89	1.18	22.98	1.20
		60	17.52	1.08	18.61	1.12	19.70	1.16	20.49	1.17	21.88	1.19	22.97	1.22
		65	17.51	1.09	18.60	1.13	19.69	1.17	20.47	1.19	21.86	1.21	22.95	1.23
		70	17.50	1.11	18.58	1.15	19.67	1.19	20.46	1.20	21.84	1.22	22.93	1.25
		75	17.08	1.16	18.16	1.21	19.24	1.25	20.03	1.27	21.41	1.29	22.50	1.32
		80	16.66	1.22	17.74	1.27	18.82	1.32	19.60	1.33	20.98	1.36	22.06	1.38
		85	16.24	1.28	17.32	1.33	18.40	1.38	19.17	1.40	20.55	1.42	21.63	1.45
		90	15.82	1.34	16.90	1.39	17.97	1.44	18.75	1.46	20.12	1.49	21.20	1.52
		95	15.37	1.40	16.44	1.45	17.51	1.51	**18.00**	**1.53**	19.65	1.55	20.72	1.58
		100	14.99	1.46	16.06	1.52	17.13	1.57	17.77	1.59	19.28	1.62	20.35	1.65
		105	14.62	1.52	15.69	1.58	16.76	1.64	17.53	1.65	18.90	1.69	19.97	1.72
		110	14.24	1.58	15.32	1.64	16.39	1.70	17.16	1.72	18.53	1.75	19.60	1.79
		115	13.87	1.64	14.94	1.70	16.01	1.76	16.79	1.78	18.15	1.82	19.22	1.85
		118	13.65	1.68	14.72	1.74	15.79	1.80	16.56	1.82	17.93	1.86	19.00	1.89
		122	13.57	1.73	14.64	1.79	15.71	1.85	16.49	1.87	17.85	1.91	18.92	1.95
	9 + 12 + 12	14	17.65	0.95	18.74	0.99	19.84	1.03	20.63	1.04	22.03	1.06	23.12	1.08
		20	17.63	0.97	18.73	1.00	19.82	1.04	20.61	1.05	22.01	1.07	23.11	1.09
		25	17.62	0.98	18.71	1.02	19.81	1.05	20.60	1.07	22.00	1.09	23.09	1.11
		30	17.60	1.00	18.70	1.03	19.79	1.07	20.58	1.08	21.98	1.10	23.07	1.12
		35	17.59	1.01	18.68	1.05	19.78	1.08	20.57	1.10	21.96	1.12	23.05	1.14
		40	17.58	1.02	18.67	1.06	19.76	1.10	20.55	1.11	21.94	1.13	23.04	1.16
		45	17.56	1.04	18.66	1.07	19.75	1.11	20.53	1.13	21.93	1.15	23.02	1.17
		50	17.55	1.05	18.64	1.09	19.73	1.13	20.52	1.14	21.91	1.16	23.00	1.19
		55	17.54	1.06	18.63	1.10	19.72	1.14	20.50	1.16	21.89	1.18	22.98	1.20
		60	17.52	1.08	18.61	1.12	19.70	1.16	20.49	1.17	21.88	1.19	22.97	1.22
		65	17.51	1.09	18.60	1.13	19.69	1.17	20.47	1.19	21.86	1.21	22.95	1.23
		70	17.50	1.11	18.58	1.15	19.67	1.19	20.46	1.20	21.84	1.22	22.93	1.25
		75	17.08	1.16	18.16	1.21	19.24	1.25	20.03	1.27	21.41	1.29	22.50	1.32
		80	16.66	1.22	17.74	1.27	18.82	1.32	19.60	1.33	20.98	1.36	22.06	1.38
		85	16.24	1.28	17.32	1.33	18.40	1.38	19.17	1.40	20.55	1.42	21.63	1.45
		90	15.82	1.34	16.90	1.39	17.97	1.44	18.75	1.46	20.12	1.49	21.20	1.52
		95	15.37	1.40	16.44	1.45	17.51	1.51	**18.00**	**1.53**	19.65	1.55	20.72	1.58
		100	14.99	1.46	16.06	1.52	17.13	1.57	17.77	1.59	19.28	1.62	20.35	1.65
		105	14.62	1.52	15.69	1.58	16.76	1.64	17.53	1.65	18.90	1.69	19.97	1.72
		110	14.24	1.58	15.32	1.64	16.39	1.70	17.16	1.72	18.53	1.75	19.60	1.79
		115	13.87	1.64	14.94	1.70	16.01	1.76	16.79	1.78	18.15	1.82	19.22	1.85
		118	13.65	1.68	14.72	1.74	15.79	1.80	16.56	1.82	17.93	1.86	19.00	1.89
		122	13.57	1.73	14.64	1.79	15.71	1.85	16.49	1.87	17.85	1.91	18.92	1.95

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 36: LMU247HV Cooling Capacity Table — Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	9 + 9	14	16.47	0.89	17.49	0.92	18.51	0.96	19.25	0.97	20.56	0.99	21.58	1.00
		20	16.46	0.90	17.48	0.94	18.50	0.97	19.24	0.98	20.54	1.00	21.57	1.02
		25	16.44	0.92	17.47	0.95	18.49	0.98	19.22	0.99	20.53	1.01	21.55	1.03
		30	16.43	0.93	17.45	0.96	18.47	1.00	19.21	1.01	20.51	1.03	21.53	1.05
		35	16.42	0.94	17.44	0.98	18.46	1.01	19.19	1.02	20.50	1.04	21.52	1.06
		40	16.41	0.95	17.43	0.99	18.44	1.02	19.18	1.04	20.48	1.06	21.50	1.08
		45	16.39	0.97	17.41	1.00	18.43	1.04	19.17	1.05	20.47	1.07	21.48	1.09
		50	16.38	0.98	17.40	1.02	18.42	1.05	19.15	1.06	20.45	1.08	21.47	1.11
		55	16.37	0.99	17.39	1.03	18.40	1.07	19.14	1.08	20.43	1.10	21.45	1.12
		60	16.36	1.00	17.37	1.04	18.39	1.08	19.12	1.09	20.42	1.11	21.43	1.13
		65	16.34	1.02	17.36	1.05	18.37	1.09	19.11	1.11	20.40	1.13	21.42	1.15
		70	16.33	1.03	17.35	1.07	18.36	1.11	19.09	1.12	20.39	1.14	21.40	1.16
		75	15.94	1.09	16.95	1.13	17.96	1.17	18.69	1.18	19.98	1.20	21.00	1.23
		80	15.54	1.14	16.55	1.18	17.56	1.23	18.29	1.24	19.58	1.26	20.59	1.29
		85	15.16	1.20	16.16	1.24	17.17	1.29	17.90	1.30	19.18	1.33	20.19	1.35
		90	14.77	1.25	15.77	1.30	16.77	1.35	17.50	1.36	18.78	1.39	19.79	1.41
		95	14.34	1.31	15.34	1.36	16.34	1.41	**16.80**	**1.42**	18.34	1.45	19.34	1.48
		100	13.99	1.36	14.99	1.41	15.99	1.47	16.58	1.48	17.99	1.51	18.99	1.54
		105	13.64	1.42	14.64	1.47	15.64	1.53	16.36	1.54	17.64	1.57	18.64	1.60
		110	13.30	1.48	14.29	1.53	15.29	1.58	16.02	1.60	17.29	1.63	18.29	1.67
		115	12.95	1.53	13.95	1.59	14.94	1.64	15.67	1.66	16.94	1.69	17.94	1.73
		118	12.74	1.56	13.74	1.62	14.73	1.68	15.46	1.70	16.73	1.73	17.73	1.77
		122	12.67	1.61	13.67	1.67	14.67	1.73	15.39	1.75	16.66	1.78	17.66	1.82
	9 + 12	14	17.01	0.90	18.06	0.94	19.12	0.97	19.88	0.98	21.23	1.00	22.29	1.02
		20	17.00	0.92	18.05	0.95	19.11	0.98	19.87	1.00	21.22	1.01	22.27	1.04
		25	16.98	0.93	18.04	0.96	19.09	1.00	19.85	1.01	21.20	1.03	22.26	1.05
		30	16.97	0.94	18.02	0.98	19.08	1.01	19.84	1.02	21.18	1.04	22.24	1.06
		35	16.96	0.96	18.01	0.99	19.06	1.03	19.82	1.04	21.17	1.06	22.22	1.08
		40	16.94	0.97	18.00	1.00	19.05	1.04	19.81	1.05	21.15	1.07	22.20	1.09
		45	16.93	0.98	17.98	1.02	19.03	1.05	19.79	1.07	21.14	1.09	22.19	1.11
		50	16.92	0.99	17.97	1.03	19.02	1.07	19.78	1.08	21.12	1.10	22.17	1.12
		55	16.90	1.01	17.95	1.04	19.00	1.08	19.76	1.09	21.10	1.12	22.15	1.14
		60	16.89	1.02	17.94	1.06	18.99	1.10	19.75	1.11	21.09	1.13	22.14	1.15
		65	16.88	1.03	17.93	1.07	18.97	1.11	19.73	1.12	21.07	1.14	22.12	1.17
		70	16.87	1.05	17.91	1.08	18.96	1.12	19.72	1.14	21.06	1.16	22.10	1.18
		75	16.46	1.10	17.50	1.14	18.55	1.18	19.30	1.20	20.64	1.22	21.68	1.25
		80	16.05	1.16	17.10	1.20	18.14	1.25	18.89	1.26	20.22	1.28	21.27	1.31
		85	15.65	1.22	16.69	1.26	17.73	1.31	18.48	1.32	19.81	1.35	20.85	1.37
		90	15.25	1.27	16.29	1.32	17.32	1.37	18.07	1.38	19.40	1.41	20.43	1.44
		95	14.81	1.33	15.84	1.38	16.88	1.43	**17.35**	**1.44**	18.94	1.47	19.97	1.50
		100	14.45	1.39	15.48	1.44	16.52	1.49	17.13	1.51	18.58	1.53	19.61	1.56
		105	14.09	1.44	15.12	1.49	16.16	1.55	16.90	1.57	18.22	1.60	19.25	1.63
		110	13.73	1.50	14.76	1.55	15.79	1.61	16.54	1.63	17.86	1.66	18.89	1.69
		115	13.37	1.55	14.40	1.61	15.43	1.67	16.18	1.69	17.50	1.72	18.53	1.76
		118	13.15	1.59	14.19	1.65	15.22	1.71	15.96	1.73	17.28	1.76	18.31	1.79
		122	13.08	1.63	14.11	1.69	15.15	1.76	15.89	1.78	17.21	1.81	18.24	1.84

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 37: LMU247HV Cooling Capacity Table — Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 12	14	18.23	0.95	19.37	0.98	20.50	1.02	21.32	1.03	22.76	1.05	23.90	1.07
		20	18.22	0.96	19.35	1.00	20.48	1.03	21.30	1.05	22.75	1.07	23.88	1.09
		25	18.21	0.98	19.34	1.01	20.47	1.05	21.28	1.06	22.73	1.08	23.86	1.10
		30	18.19	0.99	19.32	1.03	20.45	1.06	21.27	1.08	22.71	1.10	23.84	1.12
		35	18.18	1.00	19.31	1.04	20.44	1.08	21.25	1.09	22.69	1.11	23.82	1.13
		40	18.16	1.02	19.29	1.05	20.42	1.09	21.23	1.11	22.68	1.13	23.80	1.15
		45	18.15	1.03	19.28	1.07	20.40	1.11	21.22	1.12	22.66	1.14	23.79	1.16
		50	18.14	1.04	19.26	1.08	20.39	1.12	21.20	1.14	22.64	1.16	23.77	1.18
		55	18.12	1.06	19.25	1.10	20.37	1.14	21.19	1.15	22.62	1.17	23.75	1.20
		60	18.11	1.07	19.23	1.11	20.36	1.15	21.17	1.17	22.61	1.19	23.73	1.21
		65	18.09	1.09	19.22	1.13	20.34	1.17	21.15	1.18	22.59	1.20	23.71	1.23
		70	18.08	1.10	19.20	1.14	20.33	1.18	21.14	1.19	22.57	1.22	23.69	1.24
		75	17.65	1.16	18.77	1.20	19.89	1.24	20.69	1.26	22.13	1.28	23.25	1.31
		80	17.21	1.22	18.33	1.26	19.45	1.31	20.25	1.32	21.68	1.35	22.80	1.38
		85	16.78	1.28	17.89	1.32	19.01	1.37	19.81	1.39	21.24	1.41	22.35	1.44
		90	16.35	1.34	17.46	1.39	18.57	1.44	19.37	1.45	20.80	1.48	21.91	1.51
		95	15.88	1.40	16.99	1.45	18.09	1.50	**18.60**	**1.52**	20.31	1.55	21.41	1.58
		100	15.49	1.46	16.60	1.51	17.71	1.56	18.36	1.58	19.92	1.61	21.02	1.64
		105	15.11	1.51	16.21	1.57	17.32	1.63	18.12	1.65	19.53	1.68	20.64	1.71
		110	14.72	1.57	15.83	1.63	16.93	1.69	17.73	1.71	19.14	1.74	20.25	1.78
		115	14.33	1.63	15.44	1.69	16.55	1.75	17.34	1.77	18.76	1.81	19.86	1.84
		118	14.10	1.67	15.21	1.73	16.31	1.79	17.11	1.81	18.53	1.85	19.63	1.88
		122	14.02	1.72	15.13	1.78	16.24	1.84	17.04	1.87	18.45	1.90	19.56	1.94
	9 + 18	14	18.23	0.95	19.37	0.98	20.50	1.02	21.32	1.03	22.76	1.05	23.90	1.07
		20	18.22	0.96	19.35	1.00	20.48	1.03	21.30	1.05	22.75	1.07	23.88	1.09
		25	18.21	0.98	19.34	1.01	20.47	1.05	21.28	1.06	22.73	1.08	23.86	1.10
		30	18.19	0.99	19.32	1.03	20.45	1.06	21.27	1.08	22.71	1.10	23.84	1.12
		35	18.18	1.00	19.31	1.04	20.44	1.08	21.25	1.09	22.69	1.11	23.82	1.13
		40	18.16	1.02	19.29	1.05	20.42	1.09	21.23	1.11	22.68	1.13	23.80	1.15
		45	18.15	1.03	19.28	1.07	20.40	1.11	21.22	1.12	22.66	1.14	23.79	1.16
		50	18.14	1.04	19.26	1.08	20.39	1.12	21.20	1.14	22.64	1.16	23.77	1.18
		55	18.12	1.06	19.25	1.10	20.37	1.14	21.19	1.15	22.62	1.17	23.75	1.20
		60	18.11	1.07	19.23	1.11	20.36	1.15	21.17	1.17	22.61	1.19	23.73	1.21
		65	18.09	1.09	19.22	1.13	20.34	1.17	21.15	1.18	22.59	1.20	23.71	1.23
		70	18.08	1.10	19.20	1.14	20.33	1.18	21.14	1.19	22.57	1.22	23.69	1.24
		75	17.65	1.16	18.77	1.20	19.89	1.24	20.69	1.26	22.13	1.28	23.25	1.31
		80	17.21	1.22	18.33	1.26	19.45	1.31	20.25	1.32	21.68	1.35	22.80	1.38
		85	16.78	1.28	17.89	1.32	19.01	1.37	19.81	1.39	21.24	1.41	22.35	1.44
		90	16.35	1.34	17.46	1.39	18.57	1.44	19.37	1.45	20.80	1.48	21.91	1.51
		95	15.88	1.40	16.99	1.45	18.09	1.50	**18.60**	**1.52**	20.31	1.55	21.41	1.58
		100	15.49	1.46	16.60	1.51	17.71	1.56	18.36	1.58	19.92	1.61	21.02	1.64
		105	15.11	1.51	16.21	1.57	17.32	1.63	18.12	1.65	19.53	1.68	20.64	1.71
		110	14.72	1.57	15.83	1.63	16.93	1.69	17.73	1.71	19.14	1.74	20.25	1.78
		115	14.33	1.63	15.44	1.69	16.55	1.75	17.34	1.77	18.76	1.81	19.86	1.84
		118	14.10	1.67	15.21	1.73	16.31	1.79	17.11	1.81	18.53	1.85	19.63	1.88
		122	14.02	1.72	15.13	1.78	16.24	1.84	17.04	1.87	18.45	1.90	19.56	1.94

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 38: LMU247HV Cooling Capacity Table — Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 18	14	18.23	0.95	19.37	0.98	20.50	1.02	21.32	1.03	22.76	1.05	23.90	1.07
		20	18.22	0.96	19.35	1.00	20.48	1.03	21.30	1.05	22.75	1.07	23.88	1.09
		25	18.21	0.98	19.34	1.01	20.47	1.05	21.28	1.06	22.73	1.08	23.86	1.10
		30	18.19	0.99	19.32	1.03	20.45	1.06	21.27	1.08	22.71	1.10	23.84	1.12
		35	18.18	1.00	19.31	1.04	20.44	1.08	21.25	1.09	22.69	1.11	23.82	1.13
		40	18.16	1.02	19.29	1.05	20.42	1.09	**21.23**	**1.11**	22.68	1.13	23.80	1.15
		45	18.15	1.03	19.28	1.07	20.40	1.11	21.22	1.12	22.66	1.14	23.79	1.16
		50	18.14	1.04	19.26	1.08	20.39	1.12	21.20	1.14	22.64	1.16	23.77	1.18
		55	18.12	1.06	19.25	1.10	20.37	1.14	21.19	1.15	22.62	1.17	23.75	1.20
		60	18.11	1.07	19.23	1.11	20.36	1.15	21.17	1.17	22.61	1.19	23.73	1.21
		65	18.09	1.09	19.22	1.13	20.34	1.17	21.15	1.18	22.59	1.20	23.71	1.23
		70	18.08	1.10	19.20	1.14	20.33	1.18	21.14	1.19	22.57	1.22	23.69	1.24
		75	17.65	1.16	18.77	1.20	19.89	1.24	20.69	1.26	22.13	1.28	23.25	1.31
		80	17.21	1.22	18.33	1.26	19.45	1.31	20.25	1.32	21.68	1.35	22.80	1.38
		85	16.78	1.28	17.89	1.32	19.01	1.37	19.81	1.39	21.24	1.41	22.35	1.44
		90	16.35	1.34	17.46	1.39	18.57	1.44	19.37	1.45	20.80	1.48	21.91	1.51
		95	15.88	1.40	16.99	1.45	18.09	1.50	**18.60**	**1.52**	20.31	1.55	21.41	1.58
		100	15.49	1.46	16.60	1.51	17.71	1.56	18.36	1.58	19.92	1.61	21.02	1.64
		105	15.11	1.51	16.21	1.57	17.32	1.63	18.12	1.65	19.53	1.68	20.64	1.71
		110	14.72	1.57	15.83	1.63	16.93	1.69	17.73	1.71	19.14	1.74	20.25	1.78
		115	14.33	1.63	15.44	1.69	16.55	1.75	17.34	1.77	18.76	1.81	19.86	1.84
		118	14.10	1.67	15.21	1.73	16.31	1.79	17.11	1.81	18.53	1.85	19.63	1.88
		122	14.02	1.72	15.13	1.78	16.24	1.84	17.04	1.87	18.45	1.90	19.56	1.94
Three (3) Mixed Indoor Units	9 + 9 + 9	14	18.23	0.92	19.37	0.96	20.50	0.99	21.32	1.01	22.76	1.02	23.90	1.04
		20	18.22	0.94	19.35	0.97	20.48	1.01	21.30	1.02	22.75	1.04	23.88	1.06
		25	18.21	0.95	19.34	0.99	20.47	1.02	21.28	1.03	22.73	1.05	23.86	1.07
		30	18.19	0.96	19.32	1.00	20.45	1.04	21.27	1.05	22.71	1.07	23.84	1.09
		35	18.18	0.98	19.31	1.01	20.44	1.05	21.25	1.06	22.69	1.08	23.82	1.10
		40	18.16	0.99	19.29	1.03	20.42	1.07	**21.23**	**1.08**	22.68	1.10	23.80	1.12
		45	18.15	1.00	19.28	1.04	20.40	1.08	21.22	1.09	22.66	1.11	23.79	1.13
		50	18.14	1.02	19.26	1.06	20.39	1.09	21.20	1.11	22.64	1.13	23.77	1.15
		55	18.12	1.03	19.25	1.07	20.37	1.11	21.19	1.12	22.62	1.14	23.75	1.16
		60	18.11	1.04	19.23	1.08	20.36	1.12	21.17	1.14	22.61	1.16	23.73	1.18
		65	18.09	1.06	19.22	1.10	20.34	1.14	21.15	1.15	22.59	1.17	23.71	1.19
		70	18.08	1.07	19.20	1.11	20.33	1.15	21.14	1.16	22.57	1.19	23.69	1.21
		75	17.65	1.13	18.77	1.17	19.89	1.21	20.69	1.23	22.13	1.25	23.25	1.27
		80	17.21	1.19	18.33	1.23	19.45	1.27	20.25	1.29	21.68	1.31	22.80	1.34
		85	16.78	1.24	17.89	1.29	19.01	1.34	19.81	1.35	21.24	1.38	22.35	1.41
		90	16.35	1.30	17.46	1.35	18.57	1.40	19.37	1.42	20.80	1.44	21.91	1.47
		95	15.88	1.36	16.99	1.41	18.09	1.46	**18.60**	**1.48**	20.31	1.51	21.41	1.54
		100	15.49	1.42	16.60	1.47	17.71	1.52	18.36	1.54	19.92	1.57	21.02	1.60
		105	15.11	1.48	16.21	1.53	17.32	1.59	18.12	1.60	19.53	1.63	20.64	1.67
		110	14.72	1.53	15.83	1.59	16.93	1.65	17.73	1.67	19.14	1.70	20.25	1.73
		115	14.33	1.59	15.44	1.65	16.55	1.71	17.34	1.73	18.76	1.76	19.86	1.80
		118	14.10	1.63	15.21	1.69	16.31	1.75	17.11	1.77	18.53	1.80	19.63	1.84
		122	14.02	1.67	15.13	1.73	16.24	1.80	17.04	1.82	18.45	1.85	19.56	1.89

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 39: LMU247HV Cooling Capacity Table — Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 9 + 12	14	18.23	0.92	19.37	0.96	20.50	0.99	21.32	1.01	22.76	1.02	23.90	1.04
		20	18.22	0.94	19.35	0.97	20.48	1.01	21.30	1.02	22.75	1.04	23.88	1.06
		25	18.21	0.95	19.34	0.99	20.47	1.02	21.28	1.03	22.73	1.05	23.86	1.07
		30	18.19	0.96	19.32	1.00	20.45	1.04	21.27	1.05	22.71	1.07	23.84	1.09
		35	18.18	0.98	19.31	1.01	20.44	1.05	21.25	1.06	22.69	1.08	23.82	1.10
		40	18.16	0.99	19.29	1.03	20.42	1.07	21.23	1.08	22.68	1.10	23.80	1.12
		45	18.15	1.00	19.28	1.04	20.40	1.08	21.22	1.09	22.66	1.11	23.79	1.13
		50	18.14	1.02	19.26	1.06	20.39	1.09	21.20	1.11	22.64	1.13	23.77	1.15
		55	18.12	1.03	19.25	1.07	20.37	1.11	21.19	1.12	22.62	1.14	23.75	1.16
		60	18.11	1.04	19.23	1.08	20.36	1.12	21.17	1.14	22.61	1.16	23.73	1.18
		65	18.09	1.06	19.22	1.10	20.34	1.14	21.15	1.15	22.59	1.17	23.71	1.19
		70	18.08	1.07	19.20	1.11	20.33	1.15	21.14	1.16	22.57	1.19	23.69	1.21
		75	17.65	1.13	18.77	1.17	19.89	1.21	20.69	1.23	22.13	1.25	23.25	1.27
		80	17.21	1.19	18.33	1.23	19.45	1.27	20.25	1.29	21.68	1.31	22.80	1.34
		85	16.78	1.24	17.89	1.29	19.01	1.34	19.81	1.35	21.24	1.38	22.35	1.41
		90	16.35	1.30	17.46	1.35	18.57	1.40	19.37	1.42	20.80	1.44	21.91	1.47
		95	15.88	1.36	16.99	1.41	18.09	1.46	**18.60**	**1.48**	20.31	1.51	21.41	1.54
		100	15.49	1.42	16.60	1.47	17.71	1.52	18.36	1.54	19.92	1.57	21.02	1.60
		105	15.11	1.48	16.21	1.53	17.32	1.59	18.12	1.60	19.53	1.63	20.64	1.67
		110	14.72	1.53	15.83	1.59	16.93	1.65	17.73	1.67	19.14	1.70	20.25	1.73
		115	14.33	1.59	15.44	1.65	16.55	1.71	17.34	1.73	18.76	1.76	19.86	1.80
		118	14.10	1.63	15.21	1.69	16.31	1.75	17.11	1.77	18.53	1.80	19.63	1.84
		122	14.02	1.67	15.13	1.73	16.24	1.80	17.04	1.82	18.45	1.85	19.56	1.89
	9 + 12 + 12	14	18.23	0.92	19.37	0.96	20.50	0.99	21.32	1.01	22.76	1.02	23.90	1.04
		20	18.22	0.94	19.35	0.97	20.48	1.01	21.30	1.02	22.75	1.04	23.88	1.06
		25	18.21	0.95	19.34	0.99	20.47	1.02	21.28	1.03	22.73	1.05	23.86	1.07
		30	18.19	0.96	19.32	1.00	20.45	1.04	21.27	1.05	22.71	1.07	23.84	1.09
		35	18.18	0.98	19.31	1.01	20.44	1.05	21.25	1.06	22.69	1.08	23.82	1.10
		40	18.16	0.99	19.29	1.03	20.42	1.07	21.23	1.08	22.68	1.10	23.80	1.12
		45	18.15	1.00	19.28	1.04	20.40	1.08	21.22	1.09	22.66	1.11	23.79	1.13
		50	18.14	1.02	19.26	1.06	20.39	1.09	21.20	1.11	22.64	1.13	23.77	1.15
		55	18.12	1.03	19.25	1.07	20.37	1.11	21.19	1.12	22.62	1.14	23.75	1.16
		60	18.11	1.04	19.23	1.08	20.36	1.12	21.17	1.14	22.61	1.16	23.73	1.18
		65	18.09	1.06	19.22	1.10	20.34	1.14	21.15	1.15	22.59	1.17	23.71	1.19
		70	18.08	1.07	19.20	1.11	20.33	1.15	21.14	1.16	22.57	1.19	23.69	1.21
		75	17.65	1.13	18.77	1.17	19.89	1.21	20.69	1.23	22.13	1.25	23.25	1.27
		80	17.21	1.19	18.33	1.23	19.45	1.27	20.25	1.29	21.68	1.31	22.80	1.34
		85	16.78	1.24	17.89	1.29	19.01	1.34	19.81	1.35	21.24	1.38	22.35	1.41
		90	16.35	1.30	17.46	1.35	18.57	1.40	19.37	1.42	20.80	1.44	21.91	1.47
		95	15.88	1.36	16.99	1.41	18.09	1.46	**18.60**	**1.48**	20.31	1.51	21.41	1.54
		100	15.49	1.42	16.60	1.47	17.71	1.52	18.36	1.54	19.92	1.57	21.02	1.60
		105	15.11	1.48	16.21	1.53	17.32	1.59	18.12	1.60	19.53	1.63	20.64	1.67
		110	14.72	1.53	15.83	1.59	16.93	1.65	17.73	1.67	19.14	1.70	20.25	1.73
		115	14.33	1.59	15.44	1.65	16.55	1.71	17.34	1.73	18.76	1.76	19.86	1.80
		118	14.10	1.63	15.21	1.69	16.31	1.75	17.11	1.77	18.53	1.80	19.63	1.84
		122	14.02	1.67	15.13	1.73	16.24	1.80	17.04	1.82	18.45	1.85	19.56	1.89

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Cooling Capacity Tables

Table 40: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	14	17.65	1.19	18.74	1.23	19.84	1.28	20.63	1.29	22.03	1.32	23.12	1.34
		20	17.63	1.21	18.73	1.25	19.82	1.30	20.61	1.31	22.01	1.34	23.11	1.36
		25	17.62	1.22	18.71	1.27	19.81	1.31	20.60	1.33	22.00	1.35	23.09	1.38
		30	17.60	1.24	18.70	1.29	19.79	1.33	20.58	1.35	21.98	1.37	23.07	1.40
		35	17.59	1.26	18.68	1.30	19.78	1.35	20.57	1.37	21.96	1.39	23.05	1.42
		40	17.58	1.27	18.67	1.32	19.76	1.37	20.55	1.38	21.94	1.41	23.04	1.44
		45	17.56	1.29	18.66	1.34	19.75	1.39	20.53	1.40	21.93	1.43	23.02	1.46
		50	17.55	1.31	18.64	1.36	19.73	1.41	20.52	1.42	21.91	1.45	23.00	1.48
		55	17.54	1.33	18.63	1.37	19.72	1.42	20.50	1.44	21.89	1.47	22.98	1.50
		60	17.52	1.34	18.61	1.39	19.70	1.44	20.49	1.46	21.88	1.49	22.97	1.52
		65	17.51	1.36	18.60	1.41	19.69	1.46	20.47	1.48	21.86	1.51	22.95	1.54
		70	17.50	1.38	18.58	1.43	19.67	1.48	20.46	1.50	21.84	1.52	22.93	1.56
		75	17.08	1.45	18.16	1.50	19.24	1.56	20.03	1.58	21.41	1.61	22.50	1.64
		80	16.66	1.53	17.74	1.58	18.82	1.64	19.60	1.66	20.98	1.69	22.06	1.72
		85	16.24	1.60	17.32	1.66	18.40	1.72	19.17	1.74	20.55	1.77	21.63	1.81
		90	15.82	1.67	16.90	1.74	17.97	1.80	18.75	1.82	20.12	1.85	21.20	1.89
		95	15.37	1.75	16.44	1.81	17.51	1.88	**18.00**	**1.90**	19.65	1.94	20.72	1.97
		100	14.99	1.82	16.06	1.89	17.13	1.96	17.77	1.98	19.28	2.02	20.35	2.06
		105	14.62	1.90	15.69	1.97	16.76	2.04	17.53	2.06	18.90	2.10	19.97	2.14
		110	14.24	1.97	15.32	2.04	16.39	2.12	17.16	2.14	18.53	2.18	19.60	2.23
		115	13.87	2.05	14.94	2.12	16.01	2.20	16.79	2.22	18.15	2.26	19.22	2.31
		118	13.65	2.09	14.72	2.17	15.79	2.25	16.56	2.27	17.93	2.31	19.00	2.36
		122	13.57	2.15	14.64	2.23	15.71	2.31	16.49	2.34	17.85	2.38	18.92	2.43
	9 + 12	14	20.59	1.32	21.86	1.37	23.14	1.42	24.07	1.43	25.70	1.46	26.98	1.49
		20	20.57	1.34	21.85	1.39	23.13	1.44	24.05	1.46	25.68	1.48	26.96	1.51
		25	20.55	1.36	21.83	1.41	23.11	1.46	24.03	1.48	25.66	1.50	26.94	1.53
		30	20.54	1.38	21.81	1.43	23.09	1.48	24.01	1.50	25.64	1.52	26.92	1.56
		35	20.52	1.40	21.80	1.45	23.07	1.50	23.99	1.52	25.62	1.55	26.90	1.58
		40	20.51	1.42	21.78	1.47	23.05	1.52	23.97	1.54	25.60	1.57	26.88	1.60
		45	20.49	1.43	21.76	1.49	23.04	1.54	23.96	1.56	25.58	1.59	26.86	1.62
		50	20.48	1.45	21.75	1.51	23.02	1.56	23.94	1.58	25.56	1.61	26.83	1.64
		55	20.46	1.47	21.73	1.53	23.00	1.58	23.92	1.60	25.54	1.63	26.81	1.66
		60	20.44	1.49	21.71	1.55	22.98	1.60	23.90	1.62	25.52	1.65	26.79	1.68
		65	20.43	1.51	21.70	1.57	22.97	1.62	23.88	1.64	25.50	1.67	26.77	1.71
		70	20.41	1.53	21.68	1.58	22.95	1.64	23.86	1.66	25.48	1.69	26.75	1.73
		75	19.92	1.61	21.19	1.67	22.45	1.73	23.36	1.75	24.98	1.78	26.25	1.82
		80	19.43	1.69	20.69	1.76	21.95	1.82	22.87	1.84	24.48	1.88	25.74	1.91
		85	18.94	1.78	20.20	1.84	21.46	1.91	22.37	1.93	23.98	1.97	25.24	2.01
		90	18.46	1.86	19.71	1.93	20.97	2.00	21.87	2.02	23.48	2.06	24.73	2.10
		95	17.93	1.94	19.18	2.01	20.43	2.09	**21.00**	**2.11**	22.93	2.15	24.17	2.19
		100	17.49	2.02	18.74	2.10	19.99	2.17	20.73	2.20	22.49	2.24	23.74	2.29
		105	17.06	2.11	18.30	2.18	19.55	2.26	20.46	2.29	22.05	2.33	23.30	2.38
		110	16.62	2.19	17.87	2.27	19.12	2.35	20.02	2.38	21.62	2.42	22.86	2.47
		115	16.18	2.27	17.43	2.35	18.68	2.44	19.58	2.47	21.18	2.51	22.43	2.57
		118	15.92	2.32	17.17	2.41	18.42	2.49	19.32	2.52	20.92	2.57	22.17	2.62
		122	15.83	2.39	17.08	2.47	18.33	2.56	19.23	2.59	20.83	2.64	22.08	2.70

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 41: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	12 + 12	14	23.53	1.45	24.99	1.50	26.45	1.56	27.50	1.58	29.37	1.61	30.83	1.64
		20	23.51	1.47	24.97	1.53	26.43	1.58	27.48	1.60	29.35	1.63	30.81	1.66
		25	23.49	1.49	24.95	1.55	26.41	1.60	27.46	1.62	29.33	1.65	30.79	1.69
		30	23.47	1.51	24.93	1.57	26.39	1.63	27.44	1.65	29.30	1.68	30.76	1.71
		35	23.46	1.54	24.91	1.59	26.37	1.65	27.42	1.67	29.28	1.70	30.74	1.73
		40	23.44	1.56	24.89	1.61	26.35	1.67	27.40	1.69	29.26	1.72	30.72	1.76
		45	23.42	1.58	24.87	1.63	26.33	1.69	27.38	1.71	29.24	1.75	30.69	1.78
		50	23.40	1.60	24.85	1.66	26.31	1.72	27.36	1.74	29.21	1.77	30.67	1.80
		55	23.38	1.62	24.84	1.68	26.29	1.74	27.34	1.76	29.19	1.79	30.64	1.83
		60	23.37	1.64	24.82	1.70	26.27	1.76	27.32	1.78	29.17	1.82	30.62	1.85
		65	23.35	1.66	24.80	1.72	26.25	1.78	27.29	1.80	29.15	1.84	30.60	1.88
		70	23.33	1.68	24.78	1.74	26.23	1.81	27.27	1.83	29.13	1.86	30.57	1.90
		75	22.77	1.77	24.21	1.84	25.66	1.90	26.70	1.93	28.55	1.96	29.99	2.00
		80	22.21	1.86	23.65	1.93	25.09	2.00	26.13	2.02	27.97	2.06	29.42	2.10
		85	21.65	1.95	23.09	2.02	24.53	2.10	25.57	2.12	27.40	2.16	28.84	2.21
		90	21.09	2.04	22.53	2.12	23.96	2.20	25.00	2.22	26.83	2.26	28.27	2.31
		95	20.49	2.13	21.92	2.21	23.35	2.29	**24.00**	**2.32**	26.20	2.36	27.63	2.41
		100	19.99	2.23	21.42	2.31	22.85	2.39	23.69	2.42	25.70	2.46	27.13	2.51
		105	19.49	2.32	20.92	2.40	22.35	2.49	23.38	2.52	25.20	2.56	26.63	2.62
		110	18.99	2.41	20.42	2.49	21.85	2.59	22.88	2.62	24.70	2.66	26.13	2.72
		115	18.49	2.50	19.92	2.59	21.35	2.68	22.38	2.71	24.20	2.77	25.63	2.82
		118	18.19	2.55	19.62	2.65	21.05	2.74	22.08	2.77	23.90	2.83	25.33	2.88
		122	18.10	2.62	19.52	2.72	20.95	2.82	21.98	2.85	23.81	2.91	25.23	2.96
	9 + 18	14	26.47	1.51	28.11	1.57	29.76	1.63	30.94	1.65	33.04	1.68	34.69	1.71
		20	26.45	1.54	28.09	1.59	29.73	1.65	30.92	1.67	33.02	1.70	34.66	1.73
		25	26.43	1.56	28.07	1.61	29.71	1.67	30.90	1.69	32.99	1.72	34.63	1.76
		30	26.41	1.58	28.05	1.64	29.69	1.70	30.87	1.72	32.97	1.75	34.61	1.78
		35	26.39	1.60	28.03	1.66	29.66	1.72	30.85	1.74	32.94	1.77	34.58	1.81
		40	26.37	1.62	28.00	1.68	29.64	1.74	30.82	1.76	32.92	1.80	34.55	1.83
		45	26.35	1.64	27.98	1.71	29.62	1.77	30.80	1.79	32.89	1.82	34.53	1.86
		50	26.33	1.67	27.96	1.73	29.60	1.79	30.78	1.81	32.87	1.85	34.50	1.88
		55	26.31	1.69	27.94	1.75	29.57	1.81	30.75	1.83	32.84	1.87	34.48	1.91
		60	26.29	1.71	27.92	1.77	29.55	1.84	30.73	1.86	32.82	1.89	34.45	1.93
		65	26.27	1.73	27.90	1.80	29.53	1.86	30.71	1.88	32.79	1.92	34.42	1.96
		70	26.25	1.75	27.88	1.82	29.51	1.88	30.68	1.91	32.77	1.94	34.40	1.98
		75	25.61	1.85	27.24	1.92	28.87	1.99	30.04	2.01	32.12	2.05	33.74	2.09
		80	24.98	1.94	26.60	2.01	28.23	2.09	29.40	2.11	31.47	2.15	33.09	2.19
		85	24.36	2.04	25.97	2.11	27.59	2.19	28.76	2.21	30.83	2.26	32.45	2.30
		90	23.73	2.13	25.34	2.21	26.96	2.29	28.12	2.32	30.19	2.36	31.80	2.41
		95	23.05	2.23	24.66	2.31	26.26	2.39	**27.00**	**2.42**	29.48	2.47	31.08	2.51
		100	22.49	2.32	24.10	2.41	25.70	2.49	26.65	2.52	28.91	2.57	30.52	2.62
		105	21.93	2.42	23.53	2.50	25.14	2.60	26.30	2.63	28.35	2.67	29.96	2.73
		110	21.37	2.51	22.97	2.60	24.58	2.70	25.74	2.73	27.79	2.78	29.40	2.84
		115	20.81	2.61	22.41	2.70	24.02	2.80	25.18	2.83	27.23	2.88	28.84	2.94
		118	20.47	2.66	22.08	2.76	23.68	2.86	24.84	2.89	26.89	2.95	28.50	3.01
		122	20.36	2.74	21.96	2.84	23.57	2.94	24.73	2.98	26.78	3.03	28.39	3.09

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 42: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	12 + 18	14	29.41	1.63	31.24	1.69	33.06	1.75	34.38	1.77	36.71	1.80	38.54	1.84
		20	29.39	1.65	31.21	1.71	33.04	1.77	34.35	1.79	36.69	1.83	38.51	1.86
		25	29.36	1.67	31.19	1.73	33.01	1.80	34.33	1.82	36.66	1.85	38.48	1.89
		30	29.34	1.70	31.16	1.76	32.99	1.82	34.30	1.84	36.63	1.88	38.45	1.92
		35	29.32	1.72	31.14	1.78	32.96	1.85	34.28	1.87	36.60	1.90	38.42	1.94
		40	29.30	1.74	31.12	1.81	32.94	1.87	34.25	1.90	36.57	1.93	38.39	1.97
		45	29.27	1.77	31.09	1.83	32.91	1.90	34.22	1.92	36.55	1.96	38.36	2.00
		50	29.25	1.79	31.07	1.86	32.89	1.92	34.20	1.95	36.52	1.98	38.34	2.02
		55	29.23	1.81	31.04	1.88	32.86	1.95	34.17	1.97	36.49	2.01	38.31	2.05
		60	29.21	1.84	31.02	1.90	32.83	1.97	34.14	2.00	36.46	2.03	38.28	2.08
		65	29.18	1.86	31.00	1.93	32.81	2.00	34.12	2.02	36.43	2.06	38.25	2.10
		70	29.16	1.88	30.97	1.95	32.78	2.02	34.09	2.05	36.41	2.09	38.22	2.13
		75	28.46	1.99	30.27	2.06	32.07	2.13	33.38	2.16	35.69	2.20	37.49	2.24
		80	27.76	2.09	29.56	2.16	31.36	2.24	32.66	2.27	34.97	2.31	36.77	2.36
		85	27.06	2.19	28.86	2.27	30.66	2.35	31.96	2.38	34.25	2.42	36.05	2.47
		90	26.37	2.29	28.16	2.37	29.95	2.46	31.25	2.49	33.54	2.54	35.33	2.59
		95	25.61	2.39	27.40	2.48	29.18	2.57	**30.00**	**2.60**	32.75	2.65	34.53	2.70
		100	24.99	2.49	26.77	2.59	28.56	2.68	29.61	2.71	32.13	2.76	33.91	2.82
		105	24.37	2.60	26.15	2.69	27.93	2.79	29.22	2.82	31.50	2.87	33.29	2.93
		110	23.74	2.70	25.53	2.80	27.31	2.90	28.60	2.93	30.88	2.99	32.66	3.05
		115	23.12	2.80	24.90	2.90	26.69	3.01	27.98	3.04	30.26	3.10	32.04	3.16
		118	22.74	2.86	24.53	2.96	26.31	3.07	27.60	3.11	29.88	3.17	31.67	3.23
		122	22.62	2.94	24.40	3.05	26.19	3.16	27.48	3.20	29.76	3.26	31.54	3.32
	18 + 18	14	32.35	1.80	34.36	1.87	36.37	1.94	37.82	1.96	40.39	2.00	42.40	2.04
		20	32.33	1.83	34.33	1.89	36.34	1.96	37.79	1.99	40.36	2.02	42.36	2.06
		25	32.30	1.85	34.31	1.92	36.31	1.99	37.76	2.01	40.32	2.05	42.33	2.09
		30	32.28	1.88	34.28	1.95	36.28	2.02	37.73	2.04	40.29	2.08	42.30	2.12
		35	32.25	1.91	34.25	1.98	36.26	2.05	37.70	2.07	40.26	2.11	42.27	2.15
		40	32.23	1.93	34.23	2.00	36.23	2.08	37.67	2.10	40.23	2.14	42.23	2.18
		45	32.20	1.96	34.20	2.03	36.20	2.10	37.65	2.13	40.20	2.17	42.20	2.21
		50	32.18	1.98	34.18	2.06	36.17	2.13	37.62	2.16	40.17	2.20	42.17	2.24
		55	32.15	2.01	34.15	2.08	36.15	2.16	37.59	2.18	40.14	2.22	42.14	2.27
		60	32.13	2.04	34.12	2.11	36.12	2.19	37.56	2.21	40.11	2.25	42.10	2.30
		65	32.10	2.06	34.10	2.14	36.09	2.21	37.53	2.24	40.08	2.28	42.07	2.33
		70	32.08	2.09	34.07	2.16	36.06	2.24	37.50	2.27	40.05	2.31	42.04	2.36
		75	31.31	2.20	33.29	2.28	35.28	2.36	36.72	2.39	39.26	2.44	41.24	2.48
		80	30.53	2.31	32.52	2.40	34.50	2.48	35.93	2.51	38.46	2.56	40.45	2.61
		85	29.77	2.42	31.75	2.51	33.72	2.61	35.15	2.64	37.68	2.68	39.66	2.74
		90	29.00	2.54	30.98	2.63	32.95	2.73	34.37	2.76	36.89	2.81	38.87	2.87
		95	28.17	2.65	30.14	2.75	32.10	2.85	**33.00**	**2.88**	36.03	2.93	37.99	2.99
		100	27.49	2.76	29.45	2.86	31.41	2.97	32.57	3.00	35.34	3.06	37.30	3.12
		105	26.80	2.88	28.76	2.98	30.73	3.09	32.14	3.12	34.65	3.18	36.62	3.25
		110	26.12	2.99	28.08	3.10	30.04	3.21	31.46	3.25	33.97	3.31	35.93	3.37
		115	25.43	3.10	27.39	3.21	29.36	3.33	30.77	3.37	33.28	3.43	35.24	3.50
		118	25.02	3.17	26.98	3.28	28.94	3.40	30.36	3.44	32.87	3.51	34.83	3.58
		122	24.88	3.26	26.84	3.38	28.81	3.50	30.22	3.54	32.73	3.61	34.69	3.68

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 43: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 9 + 9	14	26.47	1.51	28.11	1.57	29.76	1.63	30.94	1.65	33.04	1.68	34.69	1.71
		20	26.45	1.54	28.09	1.59	29.73	1.65	30.92	1.67	33.02	1.70	34.66	1.73
		25	26.43	1.56	28.07	1.61	29.71	1.67	30.90	1.69	32.99	1.72	34.63	1.76
		30	26.41	1.58	28.05	1.64	29.69	1.70	30.87	1.72	32.97	1.75	34.61	1.78
		35	26.39	1.60	28.03	1.66	29.66	1.72	30.85	1.74	32.94	1.77	34.58	1.81
		40	26.37	1.62	28.00	1.68	29.64	1.74	30.82	1.76	32.92	1.80	34.55	1.83
		45	26.35	1.64	27.98	1.71	29.62	1.77	30.80	1.79	32.89	1.82	34.53	1.86
		50	26.33	1.67	27.96	1.73	29.60	1.79	30.78	1.81	32.87	1.85	34.50	1.88
		55	26.31	1.69	27.94	1.75	29.57	1.81	30.75	1.83	32.84	1.87	34.48	1.91
		60	26.29	1.71	27.92	1.77	29.55	1.84	30.73	1.86	32.82	1.89	34.45	1.93
		65	26.27	1.73	27.90	1.80	29.53	1.86	30.71	1.88	32.79	1.92	34.42	1.96
		70	26.25	1.75	27.88	1.82	29.51	1.88	30.68	1.91	32.77	1.94	34.40	1.98
		75	25.61	1.85	27.24	1.92	28.87	1.99	30.04	2.01	32.12	2.05	33.74	2.09
		80	24.98	1.94	26.60	2.01	28.23	2.09	29.40	2.11	31.47	2.15	33.09	2.19
		85	24.36	2.04	25.97	2.11	27.59	2.19	28.76	2.21	30.83	2.26	32.45	2.30
		90	23.73	2.13	25.34	2.21	26.96	2.29	28.12	2.32	30.19	2.36	31.80	2.41
		95	23.05	2.23	24.66	2.31	26.26	2.39	**27.00**	**2.42**	29.48	2.47	31.08	2.51
		100	22.49	2.32	24.10	2.41	25.70	2.49	26.65	2.52	28.91	2.57	30.52	2.62
		105	21.93	2.42	23.53	2.50	25.14	2.60	26.30	2.63	28.35	2.67	29.96	2.73
		110	21.37	2.51	22.97	2.60	24.58	2.70	25.74	2.73	27.79	2.78	29.40	2.84
		115	20.81	2.61	22.41	2.70	24.02	2.80	25.18	2.83	27.23	2.88	28.84	2.94
		118	20.47	2.66	22.08	2.76	23.68	2.86	24.84	2.89	26.89	2.95	28.50	3.01
		122	20.36	2.74	21.96	2.84	23.57	2.94	24.73	2.98	26.78	3.03	28.39	3.09
	9 + 9 + 12	14	29.41	1.63	31.24	1.69	33.06	1.75	34.38	1.77	36.71	1.80	38.54	1.84
		20	29.39	1.65	31.21	1.71	33.04	1.77	34.35	1.79	36.69	1.83	38.51	1.86
		25	29.36	1.67	31.19	1.73	33.01	1.80	34.33	1.82	36.66	1.85	38.48	1.89
		30	29.34	1.70	31.16	1.76	32.99	1.82	34.30	1.84	36.63	1.88	38.45	1.92
		35	29.32	1.72	31.14	1.78	32.96	1.85	34.28	1.87	36.60	1.90	38.42	1.94
		40	29.30	1.74	31.12	1.81	32.94	1.87	34.25	1.90	36.57	1.93	38.39	1.97
		45	29.27	1.77	31.09	1.83	32.91	1.90	34.22	1.92	36.55	1.96	38.36	2.00
		50	29.25	1.79	31.07	1.86	32.89	1.92	34.20	1.95	36.52	1.98	38.34	2.02
		55	29.23	1.81	31.04	1.88	32.86	1.95	34.17	1.97	36.49	2.01	38.31	2.05
		60	29.21	1.84	31.02	1.90	32.83	1.97	34.14	2.00	36.46	2.03	38.28	2.08
		65	29.18	1.86	31.00	1.93	32.81	2.00	34.12	2.02	36.43	2.06	38.25	2.10
		70	29.16	1.88	30.97	1.95	32.78	2.02	34.09	2.05	36.41	2.09	38.22	2.13
		75	28.46	1.99	30.27	2.06	32.07	2.13	33.38	2.16	35.69	2.20	37.49	2.24
		80	27.76	2.09	29.56	2.16	31.36	2.24	32.66	2.27	34.97	2.31	36.77	2.36
		85	27.06	2.19	28.86	2.27	30.66	2.35	31.96	2.38	34.25	2.42	36.05	2.47
		90	26.37	2.29	28.16	2.37	29.95	2.46	31.25	2.49	33.54	2.54	35.33	2.59
		95	25.61	2.39	27.40	2.48	29.18	2.57	**30.00**	**2.60**	32.75	2.65	34.53	2.70
		100	24.99	2.49	26.77	2.59	28.56	2.68	29.61	2.71	32.13	2.76	33.91	2.82
		105	24.37	2.60	26.15	2.69	27.93	2.79	29.22	2.82	31.50	2.87	33.29	2.93
		110	23.74	2.70	25.53	2.80	27.31	2.90	28.60	2.93	30.88	2.99	32.66	3.05
		115	23.12	2.80	24.90	2.90	26.69	3.01	27.98	3.04	30.26	3.10	32.04	3.16
		118	22.74	2.86	24.53	2.96	26.31	3.07	27.60	3.11	29.88	3.17	31.67	3.23
		122	22.62	2.94	24.40	3.05	26.19	3.16	27.48	3.20	29.76	3.26	31.54	3.32

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 44: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 12 +12	14	29.41	1.63	31.24	1.69	33.06	1.75	34.38	1.77	36.71	1.80	38.54	1.84
		20	29.39	1.65	31.21	1.71	33.04	1.77	34.35	1.79	36.69	1.83	38.51	1.86
		25	29.36	1.67	31.19	1.73	33.01	1.80	34.33	1.82	36.66	1.85	38.48	1.89
		30	29.34	1.70	31.16	1.76	32.99	1.82	34.30	1.84	36.63	1.88	38.45	1.92
		35	29.32	1.72	31.14	1.78	32.96	1.85	34.28	1.87	36.60	1.90	38.42	1.94
		40	29.30	1.74	31.12	1.81	32.94	1.87	34.25	1.90	36.57	1.93	38.39	1.97
		45	29.27	1.77	31.09	1.83	32.91	1.90	34.22	1.92	36.55	1.96	38.36	2.00
		50	29.25	1.79	31.07	1.86	32.89	1.92	34.20	1.95	36.52	1.98	38.34	2.02
		55	29.23	1.81	31.04	1.88	32.86	1.95	34.17	1.97	36.49	2.01	38.31	2.05
		60	29.21	1.84	31.02	1.90	32.83	1.97	34.14	2.00	36.46	2.03	38.28	2.08
		65	29.18	1.86	31.00	1.93	32.81	2.00	34.12	2.02	36.43	2.06	38.25	2.10
		70	29.16	1.88	30.97	1.95	32.78	2.02	34.09	2.05	36.41	2.09	38.22	2.13
		75	28.46	1.99	30.27	2.06	32.07	2.13	33.38	2.16	35.69	2.20	37.49	2.24
		80	27.76	2.09	29.56	2.16	31.36	2.24	32.66	2.27	34.97	2.31	36.77	2.36
		85	27.06	2.19	28.86	2.27	30.66	2.35	31.96	2.38	34.25	2.42	36.05	2.47
		90	26.37	2.29	28.16	2.37	29.95	2.46	31.25	2.49	33.54	2.54	35.33	2.59
		95	25.61	2.39	27.40	2.48	29.18	2.57	**30.00**	**2.60**	32.75	2.65	34.53	2.70
		100	24.99	2.49	26.77	2.59	28.56	2.68	29.61	2.71	32.13	2.76	33.91	2.82
		105	24.37	2.60	26.15	2.69	27.93	2.79	29.22	2.82	31.50	2.87	33.29	2.93
		110	23.74	2.70	25.53	2.80	27.31	2.90	28.60	2.93	30.88	2.99	32.66	3.05
		115	23.12	2.80	24.90	2.90	26.69	3.01	27.98	3.04	30.26	3.10	32.04	3.16
		118	22.74	2.86	24.53	2.96	26.31	3.07	27.60	3.11	29.88	3.17	31.67	3.23
		122	22.62	2.94	24.40	3.05	26.19	3.16	27.48	3.20	29.76	3.26	31.54	3.32
	12 + 12 + 12	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 45: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 9 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
	9 + 12 +18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 46: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	12 + 12 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
	9 + 18 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 47: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	12 + 18 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
Four (4) Non-Ducted Indoor Units	9 + 9 + 9 + 9	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 48: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	9 + 9 + 9 + 12	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
	9 + 9 + 12 + 12	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 49: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	9 + 12 + 12 + 12	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
	9 + 9 + 9 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 50: LMU369HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	9 + 9 + 12 + 18	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48
	12 + 12 + 12 + 12	14	33.33	1.70	35.40	1.76	37.47	1.83	38.96	1.85	41.61	1.88	43.68	1.92
		20	33.30	1.73	35.37	1.79	37.44	1.86	38.94	1.88	41.58	1.91	43.65	1.95
		25	33.28	1.75	35.35	1.82	37.41	1.88	38.91	1.90	41.55	1.94	43.61	1.98
		30	33.25	1.78	35.32	1.84	37.38	1.91	38.88	1.93	41.51	1.97	43.58	2.01
		35	33.23	1.80	35.29	1.87	37.36	1.93	38.85	1.96	41.48	1.99	43.55	2.03
		40	33.20	1.82	35.27	1.89	37.33	1.96	38.82	1.98	41.45	2.02	43.51	2.06
		45	33.18	1.85	35.24	1.92	37.30	1.99	38.79	2.01	41.42	2.05	43.48	2.09
		50	33.15	1.87	35.21	1.94	37.27	2.01	38.76	2.04	41.39	2.07	43.45	2.12
		55	33.13	1.90	35.18	1.97	37.24	2.04	38.73	2.06	41.36	2.10	43.41	2.14
		60	33.10	1.92	35.16	1.99	37.21	2.07	38.70	2.09	41.32	2.13	43.38	2.17
		65	33.08	1.95	35.13	2.02	37.18	2.09	38.67	2.12	41.29	2.16	43.35	2.20
		70	33.05	1.97	35.10	2.04	37.16	2.12	38.64	2.14	41.26	2.18	43.31	2.23
		75	32.26	2.08	34.30	2.15	36.35	2.23	37.83	2.26	40.45	2.30	42.49	2.35
		80	31.46	2.18	33.50	2.26	35.54	2.35	37.02	2.37	39.63	2.42	41.67	2.47
		85	30.67	2.29	32.71	2.37	34.75	2.46	36.22	2.49	38.82	2.54	40.86	2.59
		90	29.88	2.40	31.92	2.48	33.95	2.57	35.42	2.60	38.01	2.65	40.05	2.71
		95	29.03	2.50	31.05	2.59	33.07	2.69	**34.00**	**2.72**	37.12	2.77	39.14	2.83
		100	28.32	2.61	30.34	2.70	32.37	2.80	33.56	2.84	36.41	2.89	38.43	2.95
		105	27.61	2.72	29.64	2.81	31.66	2.92	33.12	2.95	35.70	3.01	37.73	3.07
		110	26.91	2.82	28.93	2.92	30.95	3.03	32.41	3.07	35.00	3.12	37.02	3.19
		115	26.20	2.93	28.22	3.04	30.24	3.15	31.71	3.18	34.29	3.24	36.31	3.31
		118	25.78	2.99	27.80	3.10	29.82	3.21	31.28	3.25	33.87	3.31	35.89	3.38
		122	25.63	3.08	27.66	3.19	29.68	3.31	31.14	3.34	33.72	3.41	35.75	3.48

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 51: LMU369HV Cooling Capacity Table — Ducted Indoor Units

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	9 + 9	14	17.65	1.24	18.74	1.28	19.84	1.33	20.63	1.35	22.03	1.37	23.12	1.40
		20	17.63	1.26	18.73	1.30	19.82	1.35	20.61	1.37	22.01	1.39	23.11	1.42
		25	17.62	1.27	18.71	1.32	19.81	1.37	20.60	1.39	22.00	1.41	23.09	1.44
		30	17.60	1.29	18.70	1.34	19.79	1.39	20.58	1.40	21.98	1.43	23.07	1.46
		35	17.59	1.31	18.68	1.36	19.78	1.41	20.57	1.42	21.96	1.45	23.05	1.48
		40	17.58	1.33	18.67	1.38	19.76	1.43	20.55	1.44	21.94	1.47	23.04	1.50
		45	17.56	1.35	18.66	1.40	19.75	1.45	20.53	1.46	21.93	1.49	23.02	1.52
		50	17.55	1.36	18.64	1.41	19.73	1.47	20.52	1.48	21.91	1.51	23.00	1.54
		55	17.54	1.38	18.63	1.43	19.72	1.48	20.50	1.50	21.89	1.53	22.98	1.56
		60	17.52	1.40	18.61	1.45	19.70	1.50	20.49	1.52	21.88	1.55	22.97	1.58
		65	17.51	1.42	18.60	1.47	19.69	1.52	20.47	1.54	21.86	1.57	22.95	1.60
		70	17.50	1.43	18.58	1.49	19.67	1.54	20.46	1.56	21.84	1.59	22.93	1.62
		75	17.08	1.51	18.16	1.57	19.24	1.62	20.03	1.64	21.41	1.67	22.50	1.71
		80	16.66	1.59	17.74	1.65	18.82	1.71	19.60	1.73	20.98	1.76	22.06	1.80
		85	16.24	1.67	17.32	1.73	18.40	1.79	19.17	1.81	20.55	1.85	21.63	1.88
		90	15.82	1.74	16.90	1.81	17.97	1.87	18.75	1.90	20.12	1.93	21.20	1.97
		95	15.37	1.82	16.44	1.89	17.51	1.96	**18.00**	**1.98**	19.65	2.02	20.72	2.06
		100	14.99	1.90	16.06	1.97	17.13	2.04	17.77	2.06	19.28	2.10	20.35	2.15
		105	14.62	1.98	15.69	2.05	16.76	2.12	17.53	2.15	18.90	2.19	19.97	2.23
		110	14.24	2.05	15.32	2.13	16.39	2.21	17.16	2.23	18.53	2.27	19.60	2.32
		115	13.87	2.13	14.94	2.21	16.01	2.29	16.79	2.32	18.15	2.36	19.22	2.41
		118	13.65	2.18	14.72	2.26	15.79	2.34	16.56	2.37	17.93	2.41	19.00	2.46
		122	13.57	2.24	14.64	2.32	15.71	2.41	16.49	2.43	17.85	2.48	18.92	2.53
	9 + 12	14	20.59	1.38	21.86	1.43	23.14	1.48	24.07	1.50	25.70	1.52	26.98	1.55
		20	20.57	1.40	21.85	1.45	23.13	1.50	24.05	1.52	25.68	1.55	26.96	1.58
		25	20.55	1.42	21.83	1.47	23.11	1.52	24.03	1.54	25.66	1.57	26.94	1.60
		30	20.54	1.44	21.81	1.49	23.09	1.54	24.01	1.56	25.64	1.59	26.92	1.62
		35	20.52	1.46	21.80	1.51	23.07	1.56	23.99	1.58	25.62	1.61	26.90	1.64
		40	20.51	1.48	21.78	1.53	23.05	1.59	23.97	1.60	25.60	1.63	26.88	1.67
		45	20.49	1.50	21.76	1.55	23.04	1.61	23.96	1.63	25.58	1.66	26.86	1.69
		50	20.48	1.52	21.75	1.57	23.02	1.63	23.94	1.65	25.56	1.68	26.83	1.71
		55	20.46	1.54	21.73	1.59	23.00	1.65	23.92	1.67	25.54	1.70	26.81	1.73
		60	20.44	1.55	21.71	1.61	22.98	1.67	23.90	1.69	25.52	1.72	26.79	1.76
		65	20.43	1.57	21.70	1.63	22.97	1.69	23.88	1.71	25.50	1.74	26.77	1.78
		70	20.41	1.59	21.68	1.65	22.95	1.71	23.86	1.73	25.48	1.77	26.75	1.80
		75	19.92	1.68	21.19	1.74	22.45	1.81	23.36	1.83	24.98	1.86	26.25	1.90
		80	19.43	1.77	20.69	1.83	21.95	1.90	22.87	1.92	24.48	1.96	25.74	1.99
		85	18.94	1.85	20.20	1.92	21.46	1.99	22.37	2.01	23.98	2.05	25.24	2.09
		90	18.46	1.94	19.71	2.01	20.97	2.08	21.87	2.11	23.48	2.15	24.73	2.19
		95	17.93	2.02	19.18	2.10	20.43	2.17	**21.00**	**2.20**	22.93	2.24	24.17	2.29
		100	17.49	2.11	18.74	2.19	19.99	2.27	20.73	2.29	22.49	2.34	23.74	2.38
		105	17.06	2.20	18.30	2.28	19.55	2.36	20.46	2.39	22.05	2.43	23.30	2.48
		110	16.62	2.28	17.87	2.37	19.12	2.45	20.02	2.48	21.62	2.53	22.86	2.58
		115	16.18	2.37	17.43	2.45	18.68	2.54	19.58	2.57	21.18	2.62	22.43	2.67
		118	15.92	2.42	17.17	2.51	18.42	2.60	19.32	2.63	20.92	2.68	22.17	2.73
		122	15.83	2.49	17.08	2.58	18.33	2.67	19.23	2.70	20.83	2.76	22.08	2.81

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 52: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued)

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 12	14	23.53	1.51	24.99	1.57	26.45	1.63	27.50	1.65	29.37	1.68	30.83	1.71
		20	23.51	1.54	24.97	1.59	26.43	1.65	27.48	1.67	29.35	1.70	30.81	1.73
		25	23.49	1.56	24.95	1.61	26.41	1.67	27.46	1.69	29.33	1.72	30.79	1.76
		30	23.47	1.58	24.93	1.64	26.39	1.70	27.44	1.72	29.30	1.75	30.76	1.78
		35	23.46	1.60	24.91	1.66	26.37	1.72	27.42	1.74	29.28	1.77	30.74	1.81
		40	23.44	1.62	24.89	1.68	26.35	1.74	27.40	1.76	29.26	1.80	30.72	1.83
		45	23.42	1.64	24.87	1.71	26.33	1.77	27.38	1.79	29.24	1.82	30.69	1.86
		50	23.40	1.67	24.85	1.73	26.31	1.79	27.36	1.81	29.21	1.85	30.67	1.88
		55	23.38	1.69	24.84	1.75	26.29	1.81	27.34	1.83	29.19	1.87	30.64	1.91
		60	23.37	1.71	24.82	1.77	26.27	1.84	27.32	1.86	29.17	1.89	30.62	1.93
		65	23.35	1.73	24.80	1.80	26.25	1.86	27.29	1.88	29.15	1.92	30.60	1.96
		70	23.33	1.75	24.78	1.82	26.23	1.88	27.27	1.91	29.13	1.94	30.57	1.98
		75	22.77	1.85	24.21	1.92	25.66	1.99	26.70	2.01	28.55	2.05	29.99	2.09
		80	22.21	1.94	23.65	2.01	25.09	2.09	26.13	2.11	27.97	2.15	29.42	2.19
		85	21.65	2.04	23.09	2.11	24.53	2.19	25.57	2.21	27.40	2.26	28.84	2.30
		90	21.09	2.13	22.53	2.21	23.96	2.29	25.00	2.32	26.83	2.36	28.27	2.41
		95	20.49	2.23	21.92	2.31	23.35	2.39	**24.00**	**2.42**	26.20	2.47	27.63	2.51
		100	19.99	2.32	21.42	2.41	22.85	2.49	23.69	2.52	25.70	2.57	27.13	2.62
		105	19.49	2.42	20.92	2.50	22.35	2.60	23.38	2.63	25.20	2.67	26.63	2.73
		110	18.99	2.51	20.42	2.60	21.85	2.70	22.88	2.73	24.70	2.78	26.13	2.84
		115	18.49	2.61	19.92	2.70	21.35	2.80	22.38	2.83	24.20	2.88	25.63	2.94
		118	18.19	2.66	19.62	2.76	21.05	2.86	22.08	2.89	23.90	2.95	25.33	3.01
		122	18.10	2.74	19.52	2.84	20.95	2.94	21.98	2.98	23.81	3.03	25.23	3.09
	9 + 18	14	26.47	1.58	28.11	1.64	29.76	1.70	30.94	1.72	33.04	1.75	34.69	1.79
		20	26.45	1.61	28.09	1.66	29.73	1.73	30.92	1.75	33.02	1.78	34.66	1.81
		25	26.43	1.63	28.07	1.69	29.71	1.75	30.90	1.77	32.99	1.80	34.63	1.84
		30	26.41	1.65	28.05	1.71	29.69	1.77	30.87	1.79	32.97	1.83	34.61	1.87
		35	26.39	1.67	28.03	1.74	29.66	1.80	30.85	1.82	32.94	1.85	34.58	1.89
		40	26.37	1.70	28.00	1.76	29.64	1.82	30.82	1.84	32.92	1.88	34.55	1.92
		45	26.35	1.72	27.98	1.78	29.62	1.85	30.80	1.87	32.89	1.90	34.53	1.94
		50	26.33	1.74	27.96	1.81	29.60	1.87	30.78	1.89	32.87	1.93	34.50	1.97
		55	26.31	1.77	27.94	1.83	29.57	1.90	30.75	1.92	32.84	1.95	34.48	1.99
		60	26.29	1.79	27.92	1.85	29.55	1.92	30.73	1.94	32.82	1.98	34.45	2.02
		65	26.27	1.81	27.90	1.88	29.53	1.95	30.71	1.97	32.79	2.00	34.42	2.04
		70	26.25	1.83	27.88	1.90	29.51	1.97	30.68	1.99	32.77	2.03	34.40	2.07
		75	25.61	1.93	27.24	2.00	28.87	2.08	30.04	2.10	32.12	2.14	33.74	2.18
		80	24.98	2.03	26.60	2.11	28.23	2.18	29.40	2.21	31.47	2.25	33.09	2.29
		85	24.36	2.13	25.97	2.21	27.59	2.29	28.76	2.32	30.83	2.36	32.45	2.41
		90	23.73	2.23	25.34	2.31	26.96	2.39	28.12	2.42	30.19	2.47	31.80	2.52
		95	23.05	2.33	24.66	2.41	26.26	2.50	**27.00**	**2.53**	29.48	2.58	31.08	2.63
		100	22.49	2.43	24.10	2.52	25.70	2.61	26.65	2.64	28.91	2.69	30.52	2.74
		105	21.93	2.53	23.53	2.62	25.14	2.71	26.30	2.74	28.35	2.80	29.96	2.85
		110	21.37	2.62	22.97	2.72	24.58	2.82	25.74	2.85	27.79	2.91	29.40	2.96
		115	20.81	2.72	22.41	2.82	24.02	2.93	25.18	2.96	27.23	3.02	28.84	3.08
		118	20.47	2.78	22.08	2.88	23.68	2.99	24.84	3.02	26.89	3.08	28.50	3.14
		122	20.36	2.86	21.96	2.97	23.57	3.08	24.73	3.11	26.78	3.17	28.39	3.23

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 53: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued)

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 18	14	29.41	1.70	31.24	1.76	33.06	1.82	34.38	1.84	36.71	1.88	38.54	1.92
		20	29.39	1.72	31.21	1.78	33.04	1.85	34.35	1.87	36.69	1.90	38.51	1.94
		25	29.36	1.74	31.19	1.81	33.01	1.87	34.33	1.90	36.66	1.93	38.48	1.97
		30	29.34	1.77	31.16	1.83	32.99	1.90	34.30	1.92	36.63	1.96	38.45	2.00
		35	29.32	1.79	31.14	1.86	32.96	1.93	34.28	1.95	36.60	1.99	38.42	2.03
		40	29.30	1.82	31.12	1.88	32.94	1.95	34.25	1.98	36.57	2.01	38.39	2.05
		45	29.27	1.84	31.09	1.91	32.91	1.98	34.22	2.00	36.55	2.04	38.36	2.08
		50	29.25	1.87	31.07	1.93	32.89	2.01	34.20	2.03	36.52	2.07	38.34	2.11
		55	29.23	1.89	31.04	1.96	32.86	2.03	34.17	2.05	36.49	2.09	38.31	2.14
		60	29.21	1.92	31.02	1.99	32.83	2.06	34.14	2.08	36.46	2.12	38.28	2.16
		65	29.18	1.94	31.00	2.01	32.81	2.08	34.12	2.11	36.43	2.15	38.25	2.19
		70	29.16	1.96	30.97	2.04	32.78	2.11	34.09	2.13	36.41	2.17	38.22	2.22
		75	28.46	2.07	30.27	2.15	32.07	2.22	33.38	2.25	35.69	2.29	37.49	2.34
		80	27.76	2.18	29.56	2.26	31.36	2.34	32.66	2.36	34.97	2.41	36.77	2.46
		85	27.06	2.28	28.86	2.37	30.66	2.45	31.96	2.48	34.25	2.53	36.05	2.58
		90	26.37	2.39	28.16	2.47	29.95	2.57	31.25	2.59	33.54	2.64	35.33	2.70
		95	25.61	2.49	27.40	2.58	29.18	2.68	**30.00**	**2.71**	32.75	2.76	34.53	2.82
		100	24.99	2.60	26.77	2.69	28.56	2.79	29.61	2.83	32.13	2.88	33.91	2.94
		105	24.37	2.71	26.15	2.80	27.93	2.91	29.22	2.94	31.50	3.00	33.29	3.06
		110	23.74	2.81	25.53	2.91	27.31	3.02	28.60	3.06	30.88	3.11	32.66	3.18
		115	23.12	2.92	24.90	3.02	26.69	3.13	27.98	3.17	30.26	3.23	32.04	3.29
		118	22.74	2.98	24.53	3.09	26.31	3.20	27.60	3.24	29.88	3.30	31.67	3.37
		122	22.62	3.07	24.40	3.18	26.19	3.29	27.48	3.33	29.76	3.39	31.54	3.46
	18 + 18	14	32.35	1.88	34.36	1.95	36.37	2.02	37.82	2.04	40.39	2.08	42.40	2.12
		20	32.33	1.90	34.33	1.97	36.34	2.05	37.79	2.07	40.36	2.11	42.36	2.15
		25	32.30	1.93	34.31	2.00	36.31	2.07	37.76	2.10	40.32	2.14	42.33	2.18
		30	32.28	1.96	34.28	2.03	36.28	2.10	37.73	2.13	40.29	2.17	42.30	2.21
		35	32.25	1.99	34.25	2.06	36.26	2.13	37.70	2.16	40.26	2.20	42.27	2.24
		40	32.23	2.01	34.23	2.09	36.23	2.16	37.67	2.19	40.23	2.23	42.23	2.27
		45	32.20	2.04	34.20	2.11	36.20	2.19	37.65	2.22	40.20	2.26	42.20	2.30
		50	32.18	2.07	34.18	2.14	36.17	2.22	37.62	2.25	40.17	2.29	42.17	2.33
		55	32.15	2.09	34.15	2.17	36.15	2.25	37.59	2.27	40.14	2.32	42.14	2.36
		60	32.13	2.12	34.12	2.20	36.12	2.28	37.56	2.30	40.11	2.35	42.10	2.39
		65	32.10	2.15	34.10	2.23	36.09	2.31	37.53	2.33	40.08	2.38	42.07	2.42
		70	32.08	2.17	34.07	2.25	36.06	2.34	37.50	2.36	40.05	2.41	42.04	2.46
		75	31.31	2.29	33.29	2.38	35.28	2.46	36.72	2.49	39.26	2.54	41.24	2.59
		80	30.53	2.41	32.52	2.50	34.50	2.59	35.93	2.62	38.46	2.67	40.45	2.72
		85	29.77	2.53	31.75	2.62	33.72	2.71	35.15	2.75	37.68	2.80	39.66	2.85
		90	29.00	2.64	30.98	2.74	32.95	2.84	34.37	2.87	36.89	2.93	38.87	2.99
		95	28.17	2.76	30.14	2.86	32.10	2.97	**33.00**	**3.00**	36.03	3.06	37.99	3.12
		100	27.49	2.88	29.45	2.98	31.41	3.09	32.57	3.13	35.34	3.19	37.30	3.25
		105	26.80	3.00	28.76	3.10	30.73	3.22	32.14	3.25	34.65	3.32	36.62	3.38
		110	26.12	3.11	28.08	3.23	30.04	3.34	31.46	3.38	33.97	3.45	35.93	3.52
		115	25.43	3.23	27.39	3.35	29.36	3.47	30.77	3.51	33.28	3.58	35.24	3.65
		118	25.02	3.30	26.98	3.42	28.94	3.55	30.36	3.59	32.87	3.65	34.83	3.73
		122	24.88	3.39	26.84	3.52	28.81	3.65	30.22	3.69	32.73	3.76	34.69	3.83

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 54: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	24 + 9	14	32.35	1.88	34.36	1.95	36.37	2.02	37.82	2.04	40.39	2.08	42.40	2.12
		20	32.33	1.90	34.33	1.97	36.34	2.05	37.79	2.07	40.36	2.11	42.36	2.15
		25	32.30	1.93	34.31	2.00	36.31	2.07	37.76	2.10	40.32	2.14	42.33	2.18
		30	32.28	1.96	34.28	2.03	36.28	2.10	37.73	2.13	40.29	2.17	42.30	2.21
		35	32.25	1.99	34.25	2.06	36.26	2.13	37.70	2.16	40.26	2.20	42.27	2.24
		40	32.23	2.01	34.23	2.09	36.23	2.16	37.67	2.19	40.23	2.23	42.23	2.27
		45	32.20	2.04	34.20	2.11	36.20	2.19	37.65	2.22	40.20	2.26	42.20	2.30
		50	32.18	2.07	34.18	2.14	36.17	2.22	37.62	2.25	40.17	2.29	42.17	2.33
		55	32.15	2.09	34.15	2.17	36.15	2.25	37.59	2.27	40.14	2.32	42.14	2.36
		60	32.13	2.12	34.12	2.20	36.12	2.28	37.56	2.30	40.11	2.35	42.10	2.39
		65	32.10	2.15	34.10	2.23	36.09	2.31	37.53	2.33	40.08	2.38	42.07	2.42
		70	32.08	2.17	34.07	2.25	36.06	2.34	37.50	2.36	40.05	2.41	42.04	2.46
		75	31.31	2.29	33.29	2.38	35.28	2.46	36.72	2.49	39.26	2.54	41.24	2.59
		80	30.53	2.41	32.52	2.50	34.50	2.59	35.93	2.62	38.46	2.67	40.45	2.72
		85	29.77	2.53	31.75	2.62	33.72	2.71	35.15	2.75	37.68	2.80	39.66	2.85
		90	29.00	2.64	30.98	2.74	32.95	2.84	34.37	2.87	36.89	2.93	38.87	2.99
		95	28.17	2.76	30.14	2.86	32.10	2.97	**33.00**	**3.00**	36.03	3.06	37.99	3.12
		100	27.49	2.88	29.45	2.98	31.41	3.09	32.57	3.13	35.34	3.19	37.30	3.25
		105	26.80	3.00	28.76	3.10	30.73	3.22	32.14	3.25	34.65	3.32	36.62	3.38
		110	26.12	3.11	28.08	3.23	30.04	3.34	31.46	3.38	33.97	3.45	35.93	3.52
		115	25.43	3.23	27.39	3.35	29.36	3.47	30.77	3.51	33.28	3.58	35.24	3.65
		118	25.02	3.30	26.98	3.42	28.94	3.55	30.36	3.59	32.87	3.65	34.83	3.73
		122	24.88	3.39	26.84	3.52	28.81	3.65	30.22	3.69	32.73	3.76	34.69	3.83
	24 + 12	14	32.35	1.88	34.36	1.95	36.37	2.02	37.82	2.04	40.39	2.08	42.40	2.12
		20	32.33	1.90	34.33	1.97	36.34	2.05	37.79	2.07	40.36	2.11	42.36	2.15
		25	32.30	1.93	34.31	2.00	36.31	2.07	37.76	2.10	40.32	2.14	42.33	2.18
		30	32.28	1.96	34.28	2.03	36.28	2.10	37.73	2.13	40.29	2.17	42.30	2.21
		35	32.25	1.99	34.25	2.06	36.26	2.13	37.70	2.16	40.26	2.20	42.27	2.24
		40	32.23	2.01	34.23	2.09	36.23	2.16	37.67	2.19	40.23	2.23	42.23	2.27
		45	32.20	2.04	34.20	2.11	36.20	2.19	37.65	2.22	40.20	2.26	42.20	2.30
		50	32.18	2.07	34.18	2.14	36.17	2.22	37.62	2.25	40.17	2.29	42.17	2.33
		55	32.15	2.09	34.15	2.17	36.15	2.25	37.59	2.27	40.14	2.32	42.14	2.36
		60	32.13	2.12	34.12	2.20	36.12	2.28	37.56	2.30	40.11	2.35	42.10	2.39
		65	32.10	2.15	34.10	2.23	36.09	2.31	37.53	2.33	40.08	2.38	42.07	2.42
		70	32.08	2.17	34.07	2.25	36.06	2.34	37.50	2.36	40.05	2.41	42.04	2.46
		75	31.31	2.29	33.29	2.38	35.28	2.46	36.72	2.49	39.26	2.54	41.24	2.59
		80	30.53	2.41	32.52	2.50	34.50	2.59	35.93	2.62	38.46	2.67	40.45	2.72
		85	29.77	2.53	31.75	2.62	33.72	2.71	35.15	2.75	37.68	2.80	39.66	2.85
		90	29.00	2.64	30.98	2.74	32.95	2.84	34.37	2.87	36.89	2.93	38.87	2.99
		95	28.17	2.76	30.14	2.86	32.10	2.97	**33.00**	**3.00**	36.03	3.06	37.99	3.12
		100	27.49	2.88	29.45	2.98	31.41	3.09	32.57	3.13	35.34	3.19	37.30	3.25
		105	26.80	3.00	28.76	3.10	30.73	3.22	32.14	3.25	34.65	3.32	36.62	3.38
		110	26.12	3.11	28.08	3.23	30.04	3.34	31.46	3.38	33.97	3.45	35.93	3.52
		115	25.43	3.23	27.39	3.35	29.36	3.47	30.77	3.51	33.28	3.58	35.24	3.65
		118	25.02	3.30	26.98	3.42	28.94	3.55	30.36	3.59	32.87	3.65	34.83	3.73
		122	24.88	3.39	26.84	3.52	28.81	3.65	30.22	3.69	32.73	3.76	34.69	3.83

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 55: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 9 + 9	14	26.47	1.58	28.11	1.64	29.76	1.70	30.94	1.72	33.04	1.75	34.69	1.79
		20	26.45	1.61	28.09	1.66	29.73	1.73	30.92	1.75	33.02	1.78	34.66	1.81
		25	26.43	1.63	28.07	1.69	29.71	1.75	30.90	1.77	32.99	1.80	34.63	1.84
		30	26.41	1.65	28.05	1.71	29.69	1.77	30.87	1.79	32.97	1.83	34.61	1.87
		35	26.39	1.67	28.03	1.74	29.66	1.80	30.85	1.82	32.94	1.85	34.58	1.89
		40	26.37	1.70	28.00	1.76	29.64	1.82	30.82	1.84	32.92	1.88	34.55	1.92
		45	26.35	1.72	27.98	1.78	29.62	1.85	30.80	1.87	32.89	1.90	34.53	1.94
		50	26.33	1.74	27.96	1.81	29.60	1.87	30.78	1.89	32.87	1.93	34.50	1.97
		55	26.31	1.77	27.94	1.83	29.57	1.90	30.75	1.92	32.84	1.95	34.48	1.99
		60	26.29	1.79	27.92	1.85	29.55	1.92	30.73	1.94	32.82	1.98	34.45	2.02
		65	26.27	1.81	27.90	1.88	29.53	1.95	30.71	1.97	32.79	2.00	34.42	2.04
		70	26.25	1.83	27.88	1.90	29.51	1.97	30.68	1.99	32.77	2.03	34.40	2.07
		75	25.61	1.93	27.24	2.00	28.87	2.08	30.04	2.10	32.12	2.14	33.74	2.18
		80	24.98	2.03	26.60	2.11	28.23	2.18	29.40	2.21	31.47	2.25	33.09	2.29
		85	24.36	2.13	25.97	2.21	27.59	2.29	28.76	2.32	30.83	2.36	32.45	2.41
		90	23.73	2.23	25.34	2.31	26.96	2.39	28.12	2.42	30.19	2.47	31.80	2.52
		95	23.05	2.33	24.66	2.41	26.26	2.50	**27.00**	**2.53**	29.48	2.58	31.08	2.63
		100	22.49	2.43	24.10	2.52	25.70	2.61	26.65	2.64	28.91	2.69	30.52	2.74
		105	21.93	2.53	23.53	2.62	25.14	2.71	26.30	2.74	28.35	2.80	29.96	2.85
		110	21.37	2.62	22.97	2.72	24.58	2.82	25.74	2.85	27.79	2.91	29.40	2.96
		115	20.81	2.72	22.41	2.82	24.02	2.93	25.18	2.96	27.23	3.02	28.84	3.08
		118	20.47	2.78	22.08	2.88	23.68	2.99	24.84	3.02	26.89	3.08	28.50	3.14
		122	20.36	2.86	21.96	2.97	23.57	3.08	24.73	3.11	26.78	3.17	28.39	3.23
	9 + 9 + 12	14	29.41	1.70	31.24	1.76	33.06	1.82	34.38	1.84	36.71	1.88	38.54	1.92
		20	29.39	1.72	31.21	1.78	33.04	1.85	34.35	1.87	36.69	1.90	38.51	1.94
		25	29.36	1.74	31.19	1.81	33.01	1.87	34.33	1.90	36.66	1.93	38.48	1.97
		30	29.34	1.77	31.16	1.83	32.99	1.90	34.30	1.92	36.63	1.96	38.45	2.00
		35	29.32	1.79	31.14	1.86	32.96	1.93	34.28	1.95	36.60	1.99	38.42	2.03
		40	29.30	1.82	31.12	1.88	32.94	1.95	34.25	1.98	36.57	2.01	38.39	2.05
		45	29.27	1.84	31.09	1.91	32.91	1.98	34.22	2.00	36.55	2.04	38.36	2.08
		50	29.25	1.87	31.07	1.93	32.89	2.01	34.20	2.03	36.52	2.07	38.34	2.11
		55	29.23	1.89	31.04	1.96	32.86	2.03	34.17	2.05	36.49	2.09	38.31	2.14
		60	29.21	1.92	31.02	1.99	32.83	2.06	34.14	2.08	36.46	2.12	38.28	2.16
		65	29.18	1.94	31.00	2.01	32.81	2.08	34.12	2.11	36.43	2.15	38.25	2.19
		70	29.16	1.96	30.97	2.04	32.78	2.11	34.09	2.13	36.41	2.17	38.22	2.22
		75	28.46	2.07	30.27	2.15	32.07	2.22	33.38	2.25	35.69	2.29	37.49	2.34
		80	27.76	2.18	29.56	2.26	31.36	2.34	32.66	2.36	34.97	2.41	36.77	2.46
		85	27.06	2.28	28.86	2.37	30.66	2.45	31.96	2.48	34.25	2.53	36.05	2.58
		90	26.37	2.39	28.16	2.47	29.95	2.57	31.25	2.59	33.54	2.64	35.33	2.70
		95	25.61	2.49	27.40	2.58	29.18	2.68	**30.00**	**2.71**	32.75	2.76	34.53	2.82
		100	24.99	2.60	26.77	2.69	28.56	2.79	29.61	2.83	32.13	2.88	33.91	2.94
		105	24.37	2.71	26.15	2.80	27.93	2.91	29.22	2.94	31.50	3.00	33.29	3.06
		110	23.74	2.81	25.53	2.91	27.31	3.02	28.60	3.06	30.88	3.11	32.66	3.18
		115	23.12	2.92	24.90	3.02	26.69	3.13	27.98	3.17	30.26	3.23	32.04	3.29
		118	22.74	2.98	24.53	3.09	26.31	3.20	27.60	3.24	29.88	3.30	31.67	3.37
		122	22.62	3.07	24.40	3.18	26.19	3.29	27.48	3.33	29.76	3.39	31.54	3.46

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 56: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 12 + 12	14	32.35	1.79	34.36	1.86	36.37	1.92	37.82	1.95	40.39	1.98	42.40	2.02
		20	32.33	1.82	34.33	1.88	36.34	1.95	37.79	1.97	40.36	2.01	42.36	2.05
		25	32.30	1.84	34.31	1.91	36.31	1.98	37.76	2.00	40.32	2.04	42.33	2.08
		30	32.28	1.87	34.28	1.94	36.28	2.01	37.73	2.03	40.29	2.07	42.30	2.11
		35	32.25	1.89	34.25	1.96	36.26	2.03	37.70	2.06	40.26	2.10	42.27	2.14
		40	32.23	1.92	34.23	1.99	36.23	2.06	37.67	2.08	40.23	2.12	42.23	2.17
		45	32.20	1.94	34.20	2.02	36.20	2.09	37.65	2.11	40.20	2.15	42.20	2.20
		50	32.18	1.97	34.18	2.04	36.17	2.12	37.62	2.14	40.17	2.18	42.17	2.22
		55	32.15	2.00	34.15	2.07	36.15	2.14	37.59	2.17	40.14	2.21	42.14	2.25
		60	32.13	2.02	34.12	2.10	36.12	2.17	37.56	2.20	40.11	2.24	42.10	2.28
		65	32.10	2.05	34.10	2.12	36.09	2.20	37.53	2.22	40.08	2.27	42.07	2.31
		70	32.08	2.07	34.07	2.15	36.06	2.23	37.50	2.25	40.05	2.29	42.04	2.34
		75	31.31	2.18	33.29	2.26	35.28	2.35	36.72	2.37	39.26	2.42	41.24	2.47
		80	30.53	2.30	32.52	2.38	34.50	2.47	35.93	2.50	38.46	2.54	40.45	2.59
		85	29.77	2.41	31.75	2.50	33.72	2.59	35.15	2.62	37.68	2.67	39.66	2.72
		90	29.00	2.52	30.98	2.61	32.95	2.71	34.37	2.74	36.89	2.79	38.87	2.85
		95	28.17	2.63	30.14	2.73	32.10	2.83	**33.00**	**2.86**	36.03	2.91	37.99	2.97
		100	27.49	2.74	29.45	2.84	31.41	2.95	32.57	2.98	35.34	3.04	37.30	3.10
		105	26.80	2.86	28.76	2.96	30.73	3.07	32.14	3.10	34.65	3.16	36.62	3.22
		110	26.12	2.97	28.08	3.08	30.04	3.19	31.46	3.22	33.97	3.28	35.93	3.35
		115	25.43	3.08	27.39	3.19	29.36	3.31	30.77	3.35	33.28	3.41	35.24	3.48
		118	25.02	3.15	26.98	3.26	28.94	3.38	30.36	3.42	32.87	3.48	34.83	3.55
		122	24.88	3.24	26.84	3.35	28.81	3.48	30.22	3.52	32.73	3.58	34.69	3.65
	12 + 12 + 12	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 57: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 9 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
	9 + 12 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 58: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	12 + 12 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
	9 + 18 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 59: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	12 + 18 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
Four (4) Ducted Indoor Units	9 + 9 + 9 + 9	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 60: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	9 + 9 + 9 + 12	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
	9 + 9 + 12 + 12	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 61: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	9 + 12 + 12 + 12	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
	9 + 9 + 9 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 62: LMU369HV Cooling Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	9 + 9 + 12 + 18	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63
	12 + 12 + 12 + 12	14	33.33	1.78	35.40	1.84	37.47	1.91	38.96	1.93	41.61	1.97	43.68	2.01
		20	33.30	1.80	35.37	1.87	37.44	1.94	38.94	1.96	41.58	2.00	43.65	2.04
		25	33.28	1.83	35.35	1.90	37.41	1.96	38.91	1.99	41.55	2.02	43.61	2.06
		30	33.25	1.85	35.32	1.92	37.38	1.99	38.88	2.01	41.51	2.05	43.58	2.09
		35	33.23	1.88	35.29	1.95	37.36	2.02	38.85	2.04	41.48	2.08	43.55	2.12
		40	33.20	1.90	35.27	1.97	37.33	2.05	38.82	2.07	41.45	2.11	43.51	2.15
		45	33.18	1.93	35.24	2.00	37.30	2.07	38.79	2.10	41.42	2.14	43.48	2.18
		50	33.15	1.96	35.21	2.03	37.27	2.10	38.76	2.13	41.39	2.17	43.45	2.21
		55	33.13	1.98	35.18	2.05	37.24	2.13	38.73	2.15	41.36	2.19	43.41	2.24
		60	33.10	2.01	35.16	2.08	37.21	2.16	38.70	2.18	41.32	2.22	43.38	2.27
		65	33.08	2.03	35.13	2.11	37.18	2.18	38.67	2.21	41.29	2.25	43.35	2.30
		70	33.05	2.06	35.10	2.13	37.16	2.21	38.64	2.24	41.26	2.28	43.31	2.32
		75	32.26	2.17	34.30	2.25	36.35	2.33	37.83	2.36	40.45	2.40	42.49	2.45
		80	31.46	2.28	33.50	2.36	35.54	2.45	37.02	2.48	39.63	2.52	41.67	2.58
		85	30.67	2.39	32.71	2.48	34.75	2.57	36.22	2.60	38.82	2.65	40.86	2.70
		90	29.88	2.50	31.92	2.59	33.95	2.69	35.42	2.72	38.01	2.77	40.05	2.83
		95	29.03	2.61	31.05	2.71	33.07	2.81	**34.00**	**2.84**	37.12	2.89	39.14	2.95
		100	28.32	2.72	30.34	2.82	32.37	2.93	33.56	2.96	36.41	3.02	38.43	3.08
		105	27.61	2.84	29.64	2.94	31.66	3.05	33.12	3.08	35.70	3.14	37.73	3.20
		110	26.91	2.95	28.93	3.05	30.95	3.17	32.41	3.20	35.00	3.26	37.02	3.33
		115	26.20	3.06	28.22	3.17	30.24	3.28	31.71	3.32	34.29	3.38	36.31	3.45
		118	25.78	3.12	27.80	3.24	29.82	3.36	31.28	3.40	33.87	3.46	35.89	3.53
		122	25.63	3.21	27.66	3.33	29.68	3.45	31.14	3.49	33.72	3.56	35.75	3.63

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 63: LMU369HV Cooling Capacity Table — Mixed Indoor Units

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	9 + 9	14	17.65	1.21	18.74	1.26	19.84	1.30	20.63	1.32	22.03	1.34	23.12	1.37
		20	17.63	1.23	18.73	1.28	19.82	1.32	20.61	1.34	22.01	1.36	23.11	1.39
		25	17.62	1.25	18.71	1.29	19.81	1.34	20.60	1.36	22.00	1.38	23.09	1.41
		30	17.60	1.27	18.70	1.31	19.79	1.36	20.58	1.38	21.98	1.40	23.07	1.43
		35	17.59	1.28	18.68	1.33	19.78	1.38	20.57	1.40	21.96	1.42	23.05	1.45
		40	17.58	1.30	18.67	1.35	19.76	1.40	20.55	1.41	21.94	1.44	23.04	1.47
		45	17.56	1.32	18.66	1.37	19.75	1.42	20.53	1.43	21.93	1.46	23.02	1.49
		50	17.55	1.34	18.64	1.38	19.73	1.44	20.52	1.45	21.91	1.48	23.00	1.51
		55	17.54	1.35	18.63	1.40	19.72	1.45	20.50	1.47	21.89	1.50	22.98	1.53
		60	17.52	1.37	18.61	1.42	19.70	1.47	20.49	1.49	21.88	1.52	22.97	1.55
		65	17.51	1.39	18.60	1.44	19.69	1.49	20.47	1.51	21.86	1.54	22.95	1.57
		70	17.50	1.41	18.58	1.46	19.67	1.51	20.46	1.53	21.84	1.56	22.93	1.59
		75	17.08	1.48	18.16	1.54	19.24	1.59	20.03	1.61	21.41	1.64	22.50	1.67
		80	16.66	1.56	17.74	1.61	18.82	1.67	19.60	1.69	20.98	1.72	22.06	1.76
		85	16.24	1.63	17.32	1.69	18.40	1.75	19.17	1.78	20.55	1.81	21.63	1.84
		90	15.82	1.71	16.90	1.77	17.97	1.84	18.75	1.86	20.12	1.89	21.20	1.93
		95	15.37	1.79	16.44	1.85	17.51	1.92	**18.00**	**1.94**	19.65	1.98	20.72	2.02
		100	14.99	1.86	16.06	1.93	17.13	2.00	17.77	2.02	19.28	2.06	20.35	2.10
		105	14.62	1.94	15.69	2.01	16.76	2.08	17.53	2.10	18.90	2.14	19.97	2.19
		110	14.24	2.01	15.32	2.09	16.39	2.16	17.16	2.19	18.53	2.23	19.60	2.27
		115	13.87	2.09	14.94	2.16	16.01	2.24	16.79	2.27	18.15	2.31	19.22	2.36
		118	13.65	2.13	14.72	2.21	15.79	2.29	16.56	2.32	17.93	2.36	19.00	2.41
		122	13.57	2.19	14.64	2.27	15.71	2.36	16.49	2.39	17.85	2.43	18.92	2.48
	9 + 12	14	20.59	1.35	21.86	1.40	23.14	1.45	24.07	1.47	25.70	1.49	26.98	1.52
		20	20.57	1.37	21.85	1.42	23.13	1.47	24.05	1.49	25.68	1.51	26.96	1.54
		25	20.55	1.39	21.83	1.44	23.11	1.49	24.03	1.51	25.66	1.54	26.94	1.57
		30	20.54	1.41	21.81	1.46	23.09	1.51	24.01	1.53	25.64	1.56	26.92	1.59
		35	20.52	1.43	21.80	1.48	23.07	1.53	23.99	1.55	25.62	1.58	26.90	1.61
		40	20.51	1.45	21.78	1.50	23.05	1.55	23.97	1.57	25.60	1.60	26.88	1.63
		45	20.49	1.46	21.76	1.52	23.04	1.57	23.96	1.59	25.58	1.62	26.86	1.65
		50	20.48	1.48	21.75	1.54	23.02	1.59	23.94	1.61	25.56	1.64	26.83	1.68
		55	20.46	1.50	21.73	1.56	23.00	1.62	23.92	1.63	25.54	1.66	26.81	1.70
		60	20.44	1.52	21.71	1.58	22.98	1.64	23.90	1.66	25.52	1.69	26.79	1.72
		65	20.43	1.54	21.70	1.60	22.97	1.66	23.88	1.68	25.50	1.71	26.77	1.74
		70	20.41	1.56	21.68	1.62	22.95	1.68	23.86	1.70	25.48	1.73	26.75	1.76
		75	19.92	1.65	21.19	1.71	22.45	1.77	23.36	1.79	24.98	1.82	26.25	1.86
		80	19.43	1.73	20.69	1.79	21.95	1.86	22.87	1.88	24.48	1.92	25.74	1.95
		85	18.94	1.81	20.20	1.88	21.46	1.95	22.37	1.97	23.98	2.01	25.24	2.05
		90	18.46	1.90	19.71	1.97	20.97	2.04	21.87	2.06	23.48	2.10	24.73	2.14
		95	17.93	1.98	19.18	2.06	20.43	2.13	**21.00**	**2.16**	22.93	2.20	24.17	2.24
		100	17.49	2.07	18.74	2.14	19.99	2.22	20.73	2.25	22.49	2.29	23.74	2.33
		105	17.06	2.15	18.30	2.23	19.55	2.31	20.46	2.34	22.05	2.38	23.30	2.43
		110	16.62	2.24	17.87	2.32	19.12	2.40	20.02	2.43	21.62	2.48	22.86	2.52
		115	16.18	2.32	17.43	2.40	18.68	2.49	19.58	2.52	21.18	2.57	22.43	2.62
		118	15.92	2.37	17.17	2.46	18.42	2.55	19.32	2.58	20.92	2.62	22.17	2.68
		122	15.83	2.44	17.08	2.53	18.33	2.62	19.23	2.65	20.83	2.70	22.08	2.75

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 64: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 12	14	23.53	1.48	24.99	1.54	26.45	1.59	27.50	1.61	29.37	1.64	30.83	1.67
		20	23.51	1.50	24.97	1.56	26.43	1.62	27.48	1.63	29.35	1.67	30.81	1.70
		25	23.49	1.53	24.95	1.58	26.41	1.64	27.46	1.66	29.33	1.69	30.79	1.72
		30	23.47	1.55	24.93	1.60	26.39	1.66	27.44	1.68	29.30	1.71	30.76	1.75
		35	23.46	1.57	24.91	1.63	26.37	1.68	27.42	1.70	29.28	1.74	30.74	1.77
		40	23.44	1.59	24.89	1.65	26.35	1.71	27.40	1.73	29.26	1.76	30.72	1.80
		45	23.42	1.61	24.87	1.67	26.33	1.73	27.38	1.75	29.24	1.78	30.69	1.82
		50	23.40	1.63	24.85	1.69	26.31	1.75	27.36	1.77	29.21	1.81	30.67	1.84
		55	23.38	1.65	24.84	1.71	26.29	1.78	27.34	1.80	29.19	1.83	30.64	1.87
		60	23.37	1.67	24.82	1.74	26.27	1.80	27.32	1.82	29.17	1.85	30.62	1.89
		65	23.35	1.70	24.80	1.76	26.25	1.82	27.29	1.84	29.15	1.88	30.60	1.92
		70	23.33	1.72	24.78	1.78	26.23	1.85	27.27	1.87	29.13	1.90	30.57	1.94
		75	22.77	1.81	24.21	1.88	25.66	1.94	26.70	1.97	28.55	2.00	29.99	2.04
		80	22.21	1.90	23.65	1.97	25.09	2.04	26.13	2.07	27.97	2.11	29.42	2.15
		85	21.65	2.00	23.09	2.07	24.53	2.14	25.57	2.17	27.40	2.21	28.84	2.25
		90	21.09	2.09	22.53	2.16	23.96	2.24	25.00	2.27	26.83	2.31	28.27	2.36
		95	20.49	2.18	21.92	2.26	23.35	2.34	**24.00**	**2.37**	26.20	2.41	27.63	2.46
		100	19.99	2.27	21.42	2.36	22.85	2.44	23.69	2.47	25.70	2.52	27.13	2.57
		105	19.49	2.37	20.92	2.45	22.35	2.54	23.38	2.57	25.20	2.62	26.63	2.67
		110	18.99	2.46	20.42	2.55	21.85	2.64	22.88	2.67	24.70	2.72	26.13	2.78
		115	18.49	2.55	19.92	2.64	21.35	2.74	22.38	2.77	24.20	2.82	25.63	2.88
		118	18.19	2.61	19.62	2.70	21.05	2.80	22.08	2.83	23.90	2.89	25.33	2.94
		122	18.10	2.68	19.52	2.78	20.95	2.88	21.98	2.91	23.81	2.97	25.23	3.03
	9 + 18	14	26.47	1.55	28.11	1.61	29.76	1.66	30.94	1.68	33.04	1.71	34.69	1.75
		20	26.45	1.57	28.09	1.63	29.73	1.69	30.92	1.71	33.02	1.74	34.66	1.77
		25	26.43	1.59	28.07	1.65	29.71	1.71	30.90	1.73	32.99	1.76	34.63	1.80
		30	26.41	1.62	28.05	1.67	29.69	1.74	30.87	1.76	32.97	1.79	34.61	1.82
		35	26.39	1.64	28.03	1.70	29.66	1.76	30.85	1.78	32.94	1.81	34.58	1.85
		40	26.37	1.66	28.00	1.72	29.64	1.78	30.82	1.80	32.92	1.84	34.55	1.87
		45	26.35	1.68	27.98	1.74	29.62	1.81	30.80	1.83	32.89	1.86	34.53	1.90
		50	26.33	1.70	27.96	1.77	29.60	1.83	30.78	1.85	32.87	1.89	34.50	1.93
		55	26.31	1.73	27.94	1.79	29.57	1.86	30.75	1.88	32.84	1.91	34.48	1.95
		60	26.29	1.75	27.92	1.81	29.55	1.88	30.73	1.90	32.82	1.94	34.45	1.98
		65	26.27	1.77	27.90	1.84	29.53	1.90	30.71	1.93	32.79	1.96	34.42	2.00
		70	26.25	1.79	27.88	1.86	29.51	1.93	30.68	1.95	32.77	1.99	34.40	2.03
		75	25.61	1.89	27.24	1.96	28.87	2.03	30.04	2.05	32.12	2.09	33.74	2.13
		80	24.98	1.99	26.60	2.06	28.23	2.13	29.40	2.16	31.47	2.20	33.09	2.24
		85	24.36	2.08	25.97	2.16	27.59	2.24	28.76	2.26	30.83	2.31	32.45	2.35
		90	23.73	2.18	25.34	2.26	26.96	2.34	28.12	2.37	30.19	2.41	31.80	2.46
		95	23.05	2.28	24.66	2.36	26.26	2.45	**27.00**	**2.48**	29.48	2.52	31.08	2.57
		100	22.49	2.37	24.10	2.46	25.70	2.55	26.65	2.58	28.91	2.63	30.52	2.68
		105	21.93	2.47	23.53	2.56	25.14	2.65	26.30	2.69	28.35	2.74	29.96	2.79
		110	21.37	2.57	22.97	2.66	24.58	2.76	25.74	2.79	27.79	2.84	29.40	2.90
		115	20.81	2.66	22.41	2.76	24.02	2.86	25.18	2.90	27.23	2.95	28.84	3.01
		118	20.47	2.72	22.08	2.82	23.68	2.93	24.84	2.96	26.89	3.01	28.50	3.07
		122	20.36	2.80	21.96	2.90	23.57	3.01	24.73	3.04	26.78	3.10	28.39	3.16

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 65: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 18	14	29.41	1.66	31.24	1.72	33.06	1.79	34.38	1.81	36.71	1.84	38.54	1.88
		20	29.39	1.69	31.21	1.75	33.04	1.81	34.35	1.83	36.69	1.87	38.51	1.90
		25	29.36	1.71	31.19	1.77	33.01	1.84	34.33	1.86	36.66	1.89	38.48	1.93
		30	29.34	1.73	31.16	1.80	32.99	1.86	34.30	1.88	36.63	1.92	38.45	1.96
		35	29.32	1.76	31.14	1.82	32.96	1.89	34.28	1.91	36.60	1.95	38.42	1.98
		40	29.30	1.78	31.12	1.85	32.94	1.91	34.25	1.94	36.57	1.97	38.39	2.01
		45	29.27	1.80	31.09	1.87	32.91	1.94	34.22	1.96	36.55	2.00	38.36	2.04
		50	29.25	1.83	31.07	1.90	32.89	1.96	34.20	1.99	36.52	2.02	38.34	2.07
		55	29.23	1.85	31.04	1.92	32.86	1.99	34.17	2.01	36.49	2.05	38.31	2.09
		60	29.21	1.88	31.02	1.94	32.83	2.02	34.14	2.04	36.46	2.08	38.28	2.12
		65	29.18	1.90	31.00	1.97	32.81	2.04	34.12	2.07	36.43	2.10	38.25	2.15
		70	29.16	1.92	30.97	1.99	32.78	2.07	34.09	2.09	36.41	2.13	38.22	2.17
		75	28.46	2.03	30.27	2.10	32.07	2.18	33.38	2.20	35.69	2.25	37.49	2.29
		80	27.76	2.13	29.56	2.21	31.36	2.29	32.66	2.32	34.97	2.36	36.77	2.41
		85	27.06	2.24	28.86	2.32	30.66	2.40	31.96	2.43	34.25	2.47	36.05	2.52
		90	26.37	2.34	28.16	2.42	29.95	2.51	31.25	2.54	33.54	2.59	35.33	2.64
		95	25.61	2.44	27.40	2.53	29.18	2.62	**30.00**	**2.66**	32.75	2.70	34.53	2.76
		100	24.99	2.55	26.77	2.64	28.56	2.74	29.61	2.77	32.13	2.82	33.91	2.88
		105	24.37	2.65	26.15	2.75	27.93	2.85	29.22	2.88	31.50	2.93	33.29	2.99
		110	23.74	2.75	25.53	2.86	27.31	2.96	28.60	2.99	30.88	3.05	32.66	3.11
		115	23.12	2.86	24.90	2.96	26.69	3.07	27.98	3.11	30.26	3.16	32.04	3.23
		118	22.74	2.92	24.53	3.03	26.31	3.14	27.60	3.17	29.88	3.23	31.67	3.30
		122	22.62	3.00	24.40	3.11	26.19	3.23	27.48	3.26	29.76	3.33	31.54	3.39
	18 + 18	14	32.35	1.84	34.36	1.91	36.37	1.98	37.82	2.00	40.39	2.04	42.40	2.08
		20	32.33	1.87	34.33	1.93	36.34	2.01	37.79	2.03	40.36	2.07	42.36	2.11
		25	32.30	1.89	34.31	1.96	36.31	2.03	37.76	2.06	40.32	2.10	42.33	2.14
		30	32.28	1.92	34.28	1.99	36.28	2.06	37.73	2.09	40.29	2.12	42.30	2.17
		35	32.25	1.95	34.25	2.02	36.26	2.09	37.70	2.11	40.26	2.15	42.27	2.20
		40	32.23	1.97	34.23	2.04	36.23	2.12	37.67	2.14	40.23	2.18	42.23	2.23
		45	32.20	2.00	34.20	2.07	36.20	2.15	37.65	2.17	40.20	2.21	42.20	2.26
		50	32.18	2.02	34.18	2.10	36.17	2.18	37.62	2.20	40.17	2.24	42.17	2.29
		55	32.15	2.05	34.15	2.13	36.15	2.20	37.59	2.23	40.14	2.27	42.14	2.32
		60	32.13	2.08	34.12	2.15	36.12	2.23	37.56	2.26	40.11	2.30	42.10	2.35
		65	32.10	2.10	34.10	2.18	36.09	2.26	37.53	2.29	40.08	2.33	42.07	2.38
		70	32.08	2.13	34.07	2.21	36.06	2.29	37.50	2.32	40.05	2.36	42.04	2.41
		75	31.31	2.25	33.29	2.33	35.28	2.41	36.72	2.44	39.26	2.49	41.24	2.54
		80	30.53	2.36	32.52	2.45	34.50	2.54	35.93	2.57	38.46	2.61	40.45	2.67
		85	29.77	2.48	31.75	2.57	33.72	2.66	35.15	2.69	37.68	2.74	39.66	2.80
		90	29.00	2.59	30.98	2.68	32.95	2.78	34.37	2.82	36.89	2.87	38.87	2.93
		95	28.17	2.71	30.14	2.80	32.10	2.91	**33.00**	**2.94**	36.03	3.00	37.99	3.06
		100	27.49	2.82	29.45	2.92	31.41	3.03	32.57	3.06	35.34	3.12	37.30	3.19
		105	26.80	2.94	28.76	3.04	30.73	3.15	32.14	3.19	34.65	3.25	36.62	3.31
		110	26.12	3.05	28.08	3.16	30.04	3.28	31.46	3.31	33.97	3.38	35.93	3.44
		115	25.43	3.17	27.39	3.28	29.36	3.40	30.77	3.44	33.28	3.50	35.24	3.57
		118	25.02	3.23	26.98	3.35	28.94	3.47	30.36	3.51	32.87	3.58	34.83	3.65
		122	24.88	3.33	26.84	3.45	28.81	3.57	30.22	3.61	32.73	3.68	34.69	3.76

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 66: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	24 + 9	14	32.35	1.84	34.36	1.91	36.37	1.98	37.82	2.00	40.39	2.04	42.40	2.08
		20	32.33	1.87	34.33	1.93	36.34	2.01	37.79	2.03	40.36	2.07	42.36	2.11
		25	32.30	1.89	34.31	1.96	36.31	2.03	37.76	2.06	40.32	2.10	42.33	2.14
		30	32.28	1.92	34.28	1.99	36.28	2.06	37.73	2.09	40.29	2.12	42.30	2.17
		35	32.25	1.95	34.25	2.02	36.26	2.09	37.70	2.11	40.26	2.15	42.27	2.20
		40	32.23	1.97	34.23	2.04	36.23	2.12	37.67	2.14	40.23	2.18	42.23	2.23
		45	32.20	2.00	34.20	2.07	36.20	2.15	37.65	2.17	40.20	2.21	42.20	2.26
		50	32.18	2.02	34.18	2.10	36.17	2.18	37.62	2.20	40.17	2.24	42.17	2.29
		55	32.15	2.05	34.15	2.13	36.15	2.20	37.59	2.23	40.14	2.27	42.14	2.32
		60	32.13	2.08	34.12	2.15	36.12	2.23	37.56	2.26	40.11	2.30	42.10	2.35
		65	32.10	2.10	34.10	2.18	36.09	2.26	37.53	2.29	40.08	2.33	42.07	2.38
		70	32.08	2.13	34.07	2.21	36.06	2.29	37.50	2.32	40.05	2.36	42.04	2.41
		75	31.31	2.25	33.29	2.33	35.28	2.41	36.72	2.44	39.26	2.49	41.24	2.54
		80	30.53	2.36	32.52	2.45	34.50	2.54	35.93	2.57	38.46	2.61	40.45	2.67
		85	29.77	2.48	31.75	2.57	33.72	2.66	35.15	2.69	37.68	2.74	39.66	2.80
		90	29.00	2.59	30.98	2.68	32.95	2.78	34.37	2.82	36.89	2.87	38.87	2.93
		95	28.17	2.71	30.14	2.80	32.10	2.91	**33.00**	**2.94**	36.03	3.00	37.99	3.06
		100	27.49	2.82	29.45	2.92	31.41	3.03	32.57	3.06	35.34	3.12	37.30	3.19
		105	26.80	2.94	28.76	3.04	30.73	3.15	32.14	3.19	34.65	3.25	36.62	3.31
		110	26.12	3.05	28.08	3.16	30.04	3.28	31.46	3.31	33.97	3.38	35.93	3.44
		115	25.43	3.17	27.39	3.28	29.36	3.40	30.77	3.44	33.28	3.50	35.24	3.57
		118	25.02	3.23	26.98	3.35	28.94	3.47	30.36	3.51	32.87	3.58	34.83	3.65
		122	24.88	3.33	26.84	3.45	28.81	3.57	30.22	3.61	32.73	3.68	34.69	3.76
	24 + 12	14	32.35	1.84	34.36	1.91	36.37	1.98	37.82	2.00	40.39	2.04	42.40	2.08
		20	32.33	1.87	34.33	1.93	36.34	2.01	37.79	2.03	40.36	2.07	42.36	2.11
		25	32.30	1.89	34.31	1.96	36.31	2.03	37.76	2.06	40.32	2.10	42.33	2.14
		30	32.28	1.92	34.28	1.99	36.28	2.06	37.73	2.09	40.29	2.12	42.30	2.17
		35	32.25	1.95	34.25	2.02	36.26	2.09	37.70	2.11	40.26	2.15	42.27	2.20
		40	32.23	1.97	34.23	2.04	36.23	2.12	37.67	2.14	40.23	2.18	42.23	2.23
		45	32.20	2.00	34.20	2.07	36.20	2.15	37.65	2.17	40.20	2.21	42.20	2.26
		50	32.18	2.02	34.18	2.10	36.17	2.18	37.62	2.20	40.17	2.24	42.17	2.29
		55	32.15	2.05	34.15	2.13	36.15	2.20	37.59	2.23	40.14	2.27	42.14	2.32
		60	32.13	2.08	34.12	2.15	36.12	2.23	37.56	2.26	40.11	2.30	42.10	2.35
		65	32.10	2.10	34.10	2.18	36.09	2.26	37.53	2.29	40.08	2.33	42.07	2.38
		70	32.08	2.13	34.07	2.21	36.06	2.29	37.50	2.32	40.05	2.36	42.04	2.41
		75	31.31	2.25	33.29	2.33	35.28	2.41	36.72	2.44	39.26	2.49	41.24	2.54
		80	30.53	2.36	32.52	2.45	34.50	2.54	35.93	2.57	38.46	2.61	40.45	2.67
		85	29.77	2.48	31.75	2.57	33.72	2.66	35.15	2.69	37.68	2.74	39.66	2.80
		90	29.00	2.59	30.98	2.68	32.95	2.78	34.37	2.82	36.89	2.87	38.87	2.93
		95	28.17	2.71	30.14	2.80	32.10	2.91	**33.00**	**2.94**	36.03	3.00	37.99	3.06
		100	27.49	2.82	29.45	2.92	31.41	3.03	32.57	3.06	35.34	3.12	37.30	3.19
		105	26.80	2.94	28.76	3.04	30.73	3.15	32.14	3.19	34.65	3.25	36.62	3.31
		110	26.12	3.05	28.08	3.16	30.04	3.28	31.46	3.31	33.97	3.38	35.93	3.44
		115	25.43	3.17	27.39	3.28	29.36	3.40	30.77	3.44	33.28	3.50	35.24	3.57
		118	25.02	3.23	26.98	3.35	28.94	3.47	30.36	3.51	32.87	3.58	34.83	3.65
		122	24.88	3.33	26.84	3.45	28.81	3.57	30.22	3.61	32.73	3.68	34.69	3.76

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 67: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 9 + 9	14	26.47	1.55	28.11	1.61	29.76	1.66	30.94	1.68	33.04	1.71	34.69	1.75
		20	26.45	1.57	28.09	1.63	29.73	1.69	30.92	1.71	33.02	1.74	34.66	1.77
		25	26.43	1.59	28.07	1.65	29.71	1.71	30.90	1.73	32.99	1.76	34.63	1.80
		30	26.41	1.62	28.05	1.67	29.69	1.74	30.87	1.76	32.97	1.79	34.61	1.82
		35	26.39	1.64	28.03	1.70	29.66	1.76	30.85	1.78	32.94	1.81	34.58	1.85
		40	26.37	1.66	28.00	1.72	29.64	1.78	30.82	1.80	32.92	1.84	34.55	1.87
		45	26.35	1.68	27.98	1.74	29.62	1.81	30.80	1.83	32.89	1.86	34.53	1.90
		50	26.33	1.70	27.96	1.77	29.60	1.83	30.78	1.85	32.87	1.89	34.50	1.93
		55	26.31	1.73	27.94	1.79	29.57	1.86	30.75	1.88	32.84	1.91	34.48	1.95
		60	26.29	1.75	27.92	1.81	29.55	1.88	30.73	1.90	32.82	1.94	34.45	1.98
		65	26.27	1.77	27.90	1.84	29.53	1.90	30.71	1.93	32.79	1.96	34.42	2.00
		70	26.25	1.79	27.88	1.86	29.51	1.93	30.68	1.95	32.77	1.99	34.40	2.03
		75	25.61	1.89	27.24	1.96	28.87	2.03	30.04	2.05	32.12	2.09	33.74	2.13
		80	24.98	1.99	26.60	2.06	28.23	2.13	29.40	2.16	31.47	2.20	33.09	2.24
		85	24.36	2.08	25.97	2.16	27.59	2.24	28.76	2.26	30.83	2.31	32.45	2.35
		90	23.73	2.18	25.34	2.26	26.96	2.34	28.12	2.37	30.19	2.41	31.80	2.46
		95	23.05	2.28	24.66	2.36	26.26	2.45	**27.00**	**2.48**	29.48	2.52	31.08	2.57
		100	22.49	2.37	24.10	2.46	25.70	2.55	26.65	2.58	28.91	2.63	30.52	2.68
		105	21.93	2.47	23.53	2.56	25.14	2.65	26.30	2.69	28.35	2.74	29.96	2.79
		110	21.37	2.57	22.97	2.66	24.58	2.76	25.74	2.79	27.79	2.84	29.40	2.90
		115	20.81	2.66	22.41	2.76	24.02	2.86	25.18	2.90	27.23	2.95	28.84	3.01
		118	20.47	2.72	22.08	2.82	23.68	2.93	24.84	2.96	26.89	3.01	28.50	3.07
		122	20.36	2.80	21.96	2.90	23.57	3.01	24.73	3.04	26.78	3.10	28.39	3.16
	9 + 9 + 12	14	29.41	1.66	31.24	1.72	33.06	1.79	34.38	1.81	36.71	1.84	38.54	1.88
		20	29.39	1.69	31.21	1.75	33.04	1.81	34.35	1.83	36.69	1.87	38.51	1.90
		25	29.36	1.71	31.19	1.77	33.01	1.84	34.33	1.86	36.66	1.89	38.48	1.93
		30	29.34	1.73	31.16	1.80	32.99	1.86	34.30	1.88	36.63	1.92	38.45	1.96
		35	29.32	1.76	31.14	1.82	32.96	1.89	34.28	1.91	36.60	1.95	38.42	1.98
		40	29.30	1.78	31.12	1.85	32.94	1.91	34.25	1.94	36.57	1.97	38.39	2.01
		45	29.27	1.80	31.09	1.87	32.91	1.94	34.22	1.96	36.55	2.00	38.36	2.04
		50	29.25	1.83	31.07	1.90	32.89	1.96	34.20	1.99	36.52	2.02	38.34	2.07
		55	29.23	1.85	31.04	1.92	32.86	1.99	34.17	2.01	36.49	2.05	38.31	2.09
		60	29.21	1.88	31.02	1.94	32.83	2.02	34.14	2.04	36.46	2.08	38.28	2.12
		65	29.18	1.90	31.00	1.97	32.81	2.04	34.12	2.07	36.43	2.10	38.25	2.15
		70	29.16	1.92	30.97	1.99	32.78	2.07	34.09	2.09	36.41	2.13	38.22	2.17
		75	28.46	2.03	30.27	2.10	32.07	2.18	33.38	2.20	35.69	2.25	37.49	2.29
		80	27.76	2.13	29.56	2.21	31.36	2.29	32.66	2.32	34.97	2.36	36.77	2.41
		85	27.06	2.24	28.86	2.32	30.66	2.40	31.96	2.43	34.25	2.47	36.05	2.52
		90	26.37	2.34	28.16	2.42	29.95	2.51	31.25	2.54	33.54	2.59	35.33	2.64
		95	25.61	2.44	27.40	2.53	29.18	2.62	**30.00**	**2.66**	32.75	2.70	34.53	2.76
		100	24.99	2.55	26.77	2.64	28.56	2.74	29.61	2.77	32.13	2.82	33.91	2.88
		105	24.37	2.65	26.15	2.75	27.93	2.85	29.22	2.88	31.50	2.93	33.29	2.99
		110	23.74	2.75	25.53	2.86	27.31	2.96	28.60	2.99	30.88	3.05	32.66	3.11
		115	23.12	2.86	24.90	2.96	26.69	3.07	27.98	3.11	30.26	3.16	32.04	3.23
		118	22.74	2.92	24.53	3.03	26.31	3.14	27.60	3.17	29.88	3.23	31.67	3.30
		122	22.62	3.00	24.40	3.11	26.19	3.23	27.48	3.26	29.76	3.33	31.54	3.39

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 68: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 12 + 12	14	32.35	1.75	34.36	1.82	36.37	1.88	37.82	1.90	40.39	1.94	42.40	1.98
		20	32.33	1.78	34.33	1.84	36.34	1.91	37.79	1.93	40.36	1.97	42.36	2.01
		25	32.30	1.80	34.31	1.87	36.31	1.94	37.76	1.96	40.32	2.00	42.33	2.04
		30	32.28	1.83	34.28	1.89	36.28	1.96	37.73	1.99	40.29	2.02	42.30	2.06
		35	32.25	1.85	34.25	1.92	36.26	1.99	37.70	2.01	40.26	2.05	42.27	2.09
		40	32.23	1.88	34.23	1.95	36.23	2.02	37.67	2.04	40.23	2.08	42.23	2.12
		45	32.20	1.90	34.20	1.97	36.20	2.04	37.65	2.07	40.20	2.11	42.20	2.15
		50	32.18	1.93	34.18	2.00	36.17	2.07	37.62	2.10	40.17	2.13	42.17	2.18
		55	32.15	1.95	34.15	2.02	36.15	2.10	37.59	2.12	40.14	2.16	42.14	2.21
		60	32.13	1.98	34.12	2.05	36.12	2.13	37.56	2.15	40.11	2.19	42.10	2.23
		65	32.10	2.00	34.10	2.08	36.09	2.15	37.53	2.18	40.08	2.22	42.07	2.26
		70	32.08	2.03	34.07	2.10	36.06	2.18	37.50	2.21	40.05	2.25	42.04	2.29
		75	31.31	2.14	33.29	2.22	35.28	2.30	36.72	2.32	39.26	2.37	41.24	2.42
		80	30.53	2.25	32.52	2.33	34.50	2.42	35.93	2.44	38.46	2.49	40.45	2.54
		85	29.77	2.36	31.75	2.44	33.72	2.53	35.15	2.56	37.68	2.61	39.66	2.66
		90	29.00	2.47	30.98	2.56	32.95	2.65	34.37	2.68	36.89	2.73	38.87	2.79
		95	28.17	2.58	30.14	2.67	32.10	2.77	**33.00**	**2.80**	36.03	2.85	37.99	2.91
		100	27.49	2.69	29.45	2.78	31.41	2.89	32.57	2.92	35.34	2.97	37.30	3.03
		105	26.80	2.80	28.76	2.90	30.73	3.00	32.14	3.04	34.65	3.09	36.62	3.16
		110	26.12	2.90	28.08	3.01	30.04	3.12	31.46	3.16	33.97	3.22	35.93	3.28
		115	25.43	3.01	27.39	3.12	29.36	3.24	30.77	3.28	33.28	3.34	35.24	3.40
		118	25.02	3.08	26.98	3.19	28.94	3.31	30.36	3.35	32.87	3.41	34.83	3.48
		122	24.88	3.17	26.84	3.28	28.81	3.40	30.22	3.44	32.73	3.51	34.69	3.58
	12 + 12 + 12	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 69: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 9 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
	9 + 12 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 70: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	12 + 12 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
	9 + 18 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 71: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	12 + 18 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
Four (4) Mixed Indoor Units	9 + 9 + 9 + 9	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 72: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	9 + 9 + 9 + 12	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
	9 + 9 + 12 + 12	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 73: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	9 + 12 + 12 + 12	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
	9 + 9 + 9 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 74: LMU369HV Cooling Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
			68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	9 + 9 + 12 + 18	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55
	12 + 12 + 12 + 12	14	33.33	1.74	35.40	1.80	37.47	1.87	38.96	1.89	41.61	1.93	43.68	1.96
		20	33.30	1.76	35.37	1.83	37.44	1.90	38.94	1.92	41.58	1.95	43.65	1.99
		25	33.28	1.79	35.35	1.86	37.41	1.92	38.91	1.94	41.55	1.98	43.61	2.02
		30	33.25	1.81	35.32	1.88	37.38	1.95	38.88	1.97	41.51	2.01	43.58	2.05
		35	33.23	1.84	35.29	1.91	37.36	1.98	38.85	2.00	41.48	2.04	43.55	2.08
		40	33.20	1.86	35.27	1.93	37.33	2.00	38.82	2.03	41.45	2.06	43.51	2.11
		45	33.18	1.89	35.24	1.96	37.30	2.03	38.79	2.05	41.42	2.09	43.48	2.13
		50	33.15	1.91	35.21	1.98	37.27	2.06	38.76	2.08	41.39	2.12	43.45	2.16
		55	33.13	1.94	35.18	2.01	37.24	2.08	38.73	2.11	41.36	2.15	43.41	2.19
		60	33.10	1.96	35.16	2.04	37.21	2.11	38.70	2.14	41.32	2.18	43.38	2.22
		65	33.08	1.99	35.13	2.06	37.18	2.14	38.67	2.16	41.29	2.20	43.35	2.25
		70	33.05	2.01	35.10	2.09	37.16	2.16	38.64	2.19	41.26	2.23	43.31	2.28
		75	32.26	2.12	34.30	2.20	36.35	2.28	37.83	2.31	40.45	2.35	42.49	2.40
		80	31.46	2.23	33.50	2.31	35.54	2.40	37.02	2.43	39.63	2.47	41.67	2.52
		85	30.67	2.34	32.71	2.43	34.75	2.51	36.22	2.54	38.82	2.59	40.86	2.64
		90	29.88	2.45	31.92	2.54	33.95	2.63	35.42	2.66	38.01	2.71	40.05	2.77
		95	29.03	2.56	31.05	2.65	33.07	2.75	**34.00**	**2.78**	37.12	2.83	39.14	2.89
		100	28.32	2.67	30.34	2.76	32.37	2.87	33.56	2.90	36.41	2.95	38.43	3.01
		105	27.61	2.78	29.64	2.88	31.66	2.98	33.12	3.02	35.70	3.07	37.73	3.13
		110	26.91	2.88	28.93	2.99	30.95	3.10	32.41	3.13	35.00	3.19	37.02	3.26
		115	26.20	2.99	28.22	3.10	30.24	3.22	31.71	3.25	34.29	3.31	36.31	3.38
		118	25.78	3.06	27.80	3.17	29.82	3.29	31.28	3.32	33.87	3.39	35.89	3.45
		122	25.63	3.15	27.66	3.26	29.68	3.38	31.14	3.42	33.72	3.48	35.75	3.55

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Heating Capacity Tables

Table 75: LMU187HV Heating Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	0	-0.4	6.32	0.94	5.92	0.98	5.96	1.00	5.82	1.00	5.70	1.01	5.46	1.05
		5	4.5	8.22	0.96	7.82	1.00	7.72	1.02	7.55	1.03	7.42	1.04	7.12	1.07
		10	9	9.49	0.98	9.10	1.01	8.90	1.04	8.72	1.05	8.57	1.06	8.24	1.10
		17	15	10.88	1.00	10.50	1.03	10.20	1.06	**10.00**	**1.08**	9.84	1.09	9.46	1.13
		20	19	11.73	1.01	11.35	1.04	10.99	1.08	10.78	1.10	10.61	1.12	10.20	1.15
		25	23	13.14	1.04	12.75	1.07	12.30	1.11	12.07	1.13	11.88	1.15	11.44	1.18
		30	28	14.55	1.07	14.10	1.11	13.61	1.14	13.36	1.16	13.16	1.18	12.68	1.21
		35	32	15.96	1.10	15.45	1.14	14.93	1.17	14.66	1.20	14.44	1.22	13.92	1.25
		40	36	16.77	1.13	16.30	1.17	15.78	1.21	15.51	1.23	15.29	1.25	14.74	1.28
		45	41	17.79	1.17	17.37	1.21	16.85	1.25	16.57	1.27	16.35	1.29	15.76	1.33
		47	43	18.20	1.19	17.79	1.23	17.28	1.27	**17.00**	**1.29**	16.77	1.31	16.16	1.35
		50	46	18.25	1.18	17.88	1.22	17.44	1.25	17.19	1.27	16.99	1.29	16.41	1.32
		55	51	18.34	1.17	18.04	1.20	17.70	1.23	17.50	1.24	17.34	1.25	16.82	1.28
		60	56	18.43	1.16	18.19	1.18	17.97	1.20	17.81	1.21	17.69	1.22	17.24	1.24
		63	59	18.48	1.15	18.28	1.17	18.12	1.19	18.00	1.19	17.90	1.20	17.48	1.21
		68	64	18.54	1.14	18.37	1.16	18.28	1.17	18.19	1.17	18.11	1.18	17.73	1.19
	9 + 12	0	-0.4	6.32	0.94	5.92	0.98	5.96	1.00	5.82	1.00	5.70	1.01	5.46	1.05
		5	4.5	8.22	0.96	7.82	1.00	7.72	1.02	7.55	1.03	7.42	1.04	7.12	1.07
		10	9	9.49	0.98	9.10	1.01	8.90	1.04	8.72	1.05	8.57	1.06	8.24	1.10
		17	15	10.88	1.00	10.50	1.03	10.20	1.06	**10.00**	**1.08**	9.84	1.09	9.46	1.13
		20	19	11.73	1.01	11.35	1.04	10.99	1.08	10.78	1.10	10.61	1.12	10.20	1.15
		25	23	13.14	1.04	12.75	1.07	12.30	1.11	12.07	1.13	11.88	1.15	11.44	1.18
		30	28	14.55	1.07	14.10	1.11	13.61	1.14	13.36	1.16	13.16	1.18	12.68	1.21
		35	32	15.96	1.10	15.45	1.14	14.93	1.17	14.66	1.20	14.44	1.22	13.92	1.25
		40	36	16.77	1.13	16.30	1.17	15.78	1.21	15.51	1.23	15.29	1.25	14.74	1.28
		45	41	17.79	1.17	17.37	1.21	16.85	1.25	16.57	1.27	16.35	1.29	15.76	1.33
		47	43	18.20	1.19	17.79	1.23	17.28	1.27	**17.00**	**1.29**	16.77	1.31	16.16	1.35
		50	46	18.25	1.18	17.88	1.22	17.44	1.25	17.19	1.27	16.99	1.29	16.41	1.32
		55	51	18.34	1.17	18.04	1.20	17.70	1.23	17.50	1.24	17.34	1.25	16.82	1.28
		60	56	18.43	1.16	18.19	1.18	17.97	1.20	17.81	1.21	17.69	1.22	17.24	1.24
		63	59	18.48	1.15	18.28	1.17	18.12	1.19	18.00	1.19	17.90	1.20	17.48	1.21
		68	64	18.54	1.14	18.37	1.16	18.28	1.17	18.19	1.17	18.11	1.18	17.73	1.19
	12 + 12	0	-0.4	6.32	0.94	5.92	0.98	5.96	1.00	5.82	1.00	5.70	1.01	5.46	1.05
		5	4.5	8.22	0.96	7.82	1.00	7.72	1.02	7.55	1.03	7.42	1.04	7.12	1.07
		10	9	9.49	0.98	9.10	1.01	8.90	1.04	8.72	1.05	8.57	1.06	8.24	1.10
		17	15	10.88	1.00	10.50	1.03	10.20	1.06	**10.00**	**1.08**	9.84	1.09	9.46	1.13
		20	19	11.73	1.01	11.35	1.04	10.99	1.08	10.78	1.10	10.61	1.12	10.20	1.15
		25	23	13.14	1.04	12.75	1.07	12.30	1.11	12.07	1.13	11.88	1.15	11.44	1.18
		30	28	14.55	1.07	14.10	1.11	13.61	1.14	13.36	1.16	13.16	1.18	12.68	1.21
		35	32	15.96	1.10	15.45	1.14	14.93	1.17	14.66	1.20	14.44	1.22	13.92	1.25
		40	36	16.77	1.13	16.30	1.17	15.78	1.21	15.51	1.23	15.29	1.25	14.74	1.28
		45	41	17.79	1.17	17.37	1.21	16.85	1.25	16.57	1.27	16.35	1.29	15.76	1.33
		47	43	18.20	1.19	17.79	1.23	17.28	1.27	**17.00**	**1.29**	16.77	1.31	16.16	1.35
		50	46	18.25	1.18	17.88	1.22	17.44	1.25	17.19	1.27	16.99	1.29	16.41	1.32
		55	51	18.34	1.17	18.04	1.20	17.70	1.23	17.50	1.24	17.34	1.25	16.82	1.28
		60	56	18.43	1.16	18.19	1.18	17.97	1.20	17.81	1.21	17.69	1.22	17.24	1.24
		63	59	18.48	1.15	18.28	1.17	18.12	1.19	18.00	1.19	17.90	1.20	17.48	1.21
		68	64	18.54	1.14	18.37	1.16	18.28	1.17	18.19	1.17	18.11	1.18	17.73	1.19

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 76: LMU187HV Heating Capacity Table — Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	9 + 9	0	-0.4	6.28	0.97	5.88	1.01	5.92	1.02	5.78	1.03	5.67	1.04	5.43	1.08
		5	4.5	8.15	0.99	7.76	1.02	7.66	1.04	7.49	1.05	7.36	1.06	7.06	1.10
		10	9	9.40	1.00	9.02	1.03	8.82	1.06	8.64	1.08	8.50	1.09	8.16	1.12
		17	15	10.77	1.02	10.40	1.05	10.10	1.09	**9.90**	**1.10**	9.74	1.12	9.37	1.15
		20	19	11.60	1.03	11.23	1.06	10.87	1.10	10.66	1.12	10.50	1.14	10.10	1.17
		25	23	12.99	1.06	12.61	1.09	12.17	1.13	11.94	1.15	11.75	1.17	11.31	1.20
		30	28	14.38	1.09	13.94	1.12	13.46	1.16	13.21	1.18	13.01	1.20	12.54	1.24
		35	32	15.77	1.12	15.27	1.16	14.75	1.19	14.49	1.22	14.27	1.24	13.76	1.27
		40	36	16.58	1.15	16.11	1.19	15.60	1.22	15.33	1.25	15.11	1.27	14.56	1.30
		45	41	17.58	1.19	17.16	1.23	16.66	1.27	16.38	1.29	16.16	1.31	15.57	1.35
		47	43	17.98	1.21	17.58	1.25	17.08	1.29	**16.80**	**1.31**	16.58	1.33	15.97	1.37
		50	46	18.04	1.20	17.67	1.24	17.23	1.27	16.99	1.29	16.79	1.31	16.22	1.34
		55	51	18.12	1.19	17.82	1.22	17.49	1.25	17.29	1.26	17.13	1.27	16.63	1.30
		60	56	18.21	1.17	17.98	1.20	17.75	1.22	17.60	1.23	17.48	1.24	17.03	1.26
		63	59	18.27	1.17	18.07	1.19	17.91	1.20	17.79	1.21	17.69	1.21	17.28	1.23
		68	64	18.32	1.16	18.16	1.17	18.07	1.19	17.97	1.19	17.90	1.19	17.53	1.20
	9 + 12	0	-0.4	6.28	0.97	5.88	1.01	5.92	1.02	5.78	1.03	5.67	1.04	5.43	1.08
		5	4.5	8.15	0.99	7.76	1.02	7.66	1.04	7.49	1.05	7.36	1.06	7.06	1.10
		10	9	9.40	1.00	9.02	1.03	8.82	1.06	8.64	1.08	8.50	1.09	8.16	1.12
		17	15	10.77	1.02	10.40	1.05	10.10	1.09	**9.90**	**1.10**	9.74	1.12	9.37	1.15
		20	19	11.60	1.03	11.23	1.06	10.87	1.10	10.66	1.12	10.50	1.14	10.10	1.17
		25	23	12.99	1.06	12.61	1.09	12.17	1.13	11.94	1.15	11.75	1.17	11.31	1.20
		30	28	14.38	1.09	13.94	1.12	13.46	1.16	13.21	1.18	13.01	1.20	12.54	1.24
		35	32	15.77	1.12	15.27	1.16	14.75	1.19	14.49	1.22	14.27	1.24	13.76	1.27
		40	36	16.58	1.15	16.11	1.19	15.60	1.22	15.33	1.25	15.11	1.27	14.56	1.30
		45	41	17.58	1.19	17.16	1.23	16.66	1.27	16.38	1.29	16.16	1.31	15.57	1.35
		47	43	17.98	1.21	17.58	1.25	17.08	1.29	**16.80**	**1.31**	16.58	1.33	15.97	1.37
		50	46	18.04	1.20	17.67	1.24	17.23	1.27	16.99	1.29	16.79	1.31	16.22	1.34
		55	51	18.12	1.19	17.82	1.22	17.49	1.25	17.29	1.26	17.13	1.27	16.63	1.30
		60	56	18.21	1.17	17.98	1.20	17.75	1.22	17.60	1.23	17.48	1.24	17.03	1.26
		63	59	18.27	1.17	18.07	1.19	17.91	1.20	17.79	1.21	17.69	1.21	17.28	1.23
		68	64	18.32	1.16	18.16	1.17	18.07	1.19	17.97	1.19	17.90	1.19	17.53	1.20
	12 + 12	0	-0.4	6.28	0.97	5.88	1.01	5.92	1.02	5.78	1.03	5.67	1.04	5.43	1.08
		5	4.5	8.15	0.99	7.76	1.02	7.66	1.04	7.49	1.05	7.36	1.06	7.06	1.10
		10	9	9.40	1.00	9.02	1.03	8.82	1.06	8.64	1.08	8.50	1.09	8.16	1.12
		17	15	10.77	1.02	10.40	1.05	10.10	1.09	**9.90**	**1.10**	9.74	1.12	9.37	1.15
		20	19	11.60	1.03	11.23	1.06	10.87	1.10	10.66	1.12	10.50	1.14	10.10	1.17
		25	23	12.99	1.06	12.61	1.09	12.17	1.13	11.94	1.15	11.75	1.17	11.31	1.20
		30	28	14.38	1.09	13.94	1.12	13.46	1.16	13.21	1.18	13.01	1.20	12.54	1.24
		35	32	15.77	1.12	15.27	1.16	14.75	1.19	14.49	1.22	14.27	1.24	13.76	1.27
		40	36	16.58	1.15	16.11	1.19	15.60	1.22	15.33	1.25	15.11	1.27	14.56	1.30
		45	41	17.58	1.19	17.16	1.23	16.66	1.27	16.38	1.29	16.16	1.31	15.57	1.35
		47	43	17.98	1.21	17.58	1.25	17.08	1.29	**16.80**	**1.31**	16.58	1.33	15.97	1.37
		50	46	18.04	1.20	17.67	1.24	17.23	1.27	16.99	1.29	16.79	1.31	16.22	1.34
		55	51	18.12	1.19	17.82	1.22	17.49	1.25	17.29	1.26	17.13	1.27	16.63	1.30
		60	56	18.21	1.17	17.98	1.20	17.75	1.22	17.60	1.23	17.48	1.24	17.03	1.26
		63	59	18.27	1.17	18.07	1.19	17.91	1.20	17.79	1.21	17.69	1.21	17.28	1.23
		68	64	18.32	1.16	18.16	1.17	18.07	1.19	17.97	1.19	17.90	1.19	17.53	1.20

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 77: LMU187HV Heating Capacity Table — Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp. °F DB	Outdoor Air Temp. °F WB	Indoor Air Temp. °F DB 61 TC	61 PI	64 TC	64 PI	68 TC	68 PI	70 TC	70 PI	72 TC	72 PI	75 TC	75 PI
Two (2) Mixed Indoor Units	9 + 9	0	-0.4	6.30	0.96	5.90	0.99	5.94	1.01	5.80	1.02	5.69	1.03	5.44	1.06
		5	4.5	8.18	0.97	7.79	1.01	7.69	1.03	7.52	1.04	7.39	1.05	7.09	1.09
		10	9	9.44	0.99	9.06	1.02	8.86	1.05	8.68	1.06	8.53	1.07	8.20	1.11
		17	15	10.83	1.01	10.45	1.04	10.15	1.07	**9.95**	**1.09**	9.79	1.11	9.41	1.14
		20	19	11.67	1.02	11.29	1.05	10.93	1.09	10.72	1.11	10.55	1.13	10.15	1.16
		25	23	13.06	1.05	12.68	1.08	12.24	1.12	12.00	1.14	11.82	1.16	11.37	1.19
		30	28	14.47	1.08	14.02	1.11	13.54	1.15	13.29	1.17	13.09	1.19	12.61	1.22
		35	32	15.87	1.11	15.36	1.15	14.84	1.18	14.57	1.21	14.36	1.23	13.84	1.26
		40	36	16.68	1.14	16.21	1.18	15.69	1.21	15.42	1.24	15.20	1.26	14.65	1.29
		45	41	17.69	1.18	17.26	1.22	16.75	1.26	16.48	1.28	16.25	1.30	15.66	1.34
		47	43	18.09	1.20	17.69	1.24	17.18	1.28	**16.90**	**1.30**	16.68	1.32	16.07	1.36
		50	46	18.14	1.19	17.78	1.23	17.34	1.26	17.09	1.28	16.89	1.30	16.32	1.33
		55	51	18.23	1.18	17.93	1.21	17.60	1.24	17.40	1.25	17.23	1.26	16.72	1.29
		60	56	18.32	1.17	18.08	1.19	17.86	1.21	17.71	1.22	17.58	1.23	17.13	1.25
		63	59	18.37	1.16	18.17	1.18	18.02	1.19	17.89	1.20	17.79	1.21	17.38	1.22
		68	64	18.43	1.15	18.27	1.17	18.17	1.18	18.08	1.18	18.01	1.19	17.63	1.19
	9 + 12	0	-0.4	6.30	0.96	5.90	0.99	5.94	1.01	5.80	1.02	5.69	1.03	5.44	1.06
		5	4.5	8.18	0.97	7.79	1.01	7.69	1.03	7.52	1.04	7.39	1.05	7.09	1.09
		10	9	9.44	0.99	9.06	1.02	8.86	1.05	8.68	1.06	8.53	1.07	8.20	1.11
		17	15	10.83	1.01	10.45	1.04	10.15	1.07	**9.95**	**1.09**	9.79	1.11	9.41	1.14
		20	19	11.67	1.02	11.29	1.05	10.93	1.09	10.72	1.11	10.55	1.13	10.15	1.16
		25	23	13.06	1.05	12.68	1.08	12.24	1.12	12.00	1.14	11.82	1.16	11.37	1.19
		30	28	14.47	1.08	14.02	1.11	13.54	1.15	13.29	1.17	13.09	1.19	12.61	1.22
		35	32	15.87	1.11	15.36	1.15	14.84	1.18	14.57	1.21	14.36	1.23	13.84	1.26
		40	36	16.68	1.14	16.21	1.18	15.69	1.21	15.42	1.24	15.20	1.26	14.65	1.29
		45	41	17.69	1.18	17.26	1.22	16.75	1.26	16.48	1.28	16.25	1.30	15.66	1.34
		47	43	18.09	1.20	17.69	1.24	17.18	1.28	**16.90**	**1.30**	16.68	1.32	16.07	1.36
		50	46	18.14	1.19	17.78	1.23	17.34	1.26	17.09	1.28	16.89	1.30	16.32	1.33
		55	51	18.23	1.18	17.93	1.21	17.60	1.24	17.40	1.25	17.23	1.26	16.72	1.29
		60	56	18.32	1.17	18.08	1.19	17.86	1.21	17.71	1.22	17.58	1.23	17.13	1.25
		63	59	18.37	1.16	18.17	1.18	18.02	1.19	17.89	1.20	17.79	1.21	17.38	1.22
		68	64	18.43	1.15	18.27	1.17	18.17	1.18	18.08	1.18	18.01	1.19	17.63	1.19
	12 + 12	0	-0.4	6.30	0.96	5.90	0.99	5.94	1.01	5.80	1.02	5.69	1.03	5.44	1.06
		5	4.5	8.18	0.97	7.79	1.01	7.69	1.03	7.52	1.04	7.39	1.05	7.09	1.09
		10	9	9.44	0.99	9.06	1.02	8.86	1.05	8.68	1.06	8.53	1.07	8.20	1.11
		17	15	10.83	1.01	10.45	1.04	10.15	1.07	**9.95**	**1.09**	9.79	1.11	9.41	1.14
		20	19	11.67	1.02	11.29	1.05	10.93	1.09	10.72	1.11	10.55	1.13	10.15	1.16
		25	23	13.06	1.05	12.68	1.08	12.24	1.12	12.00	1.14	11.82	1.16	11.37	1.19
		30	28	14.47	1.08	14.02	1.11	13.54	1.15	13.29	1.17	13.09	1.19	12.61	1.22
		35	32	15.87	1.11	15.36	1.15	14.84	1.18	14.57	1.21	14.36	1.23	13.84	1.26
		40	36	16.68	1.14	16.21	1.18	15.69	1.21	15.42	1.24	15.20	1.26	14.65	1.29
		45	41	17.69	1.18	17.26	1.22	16.75	1.26	16.48	1.28	16.25	1.30	15.66	1.34
		47	43	18.09	1.20	17.69	1.24	17.18	1.28	**16.90**	**1.30**	16.68	1.32	16.07	1.36
		50	46	18.14	1.19	17.78	1.23	17.34	1.26	17.09	1.28	16.89	1.30	16.32	1.33
		55	51	18.23	1.18	17.93	1.21	17.60	1.24	17.40	1.25	17.23	1.26	16.72	1.29
		60	56	18.32	1.17	18.08	1.19	17.86	1.21	17.71	1.22	17.58	1.23	17.13	1.25
		63	59	18.37	1.16	18.17	1.18	18.02	1.19	17.89	1.20	17.79	1.21	17.38	1.22
		68	64	18.43	1.15	18.27	1.17	18.17	1.18	18.08	1.18	18.01	1.19	17.63	1.19

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 78: LMU247HV Heating Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	0	-0.4	8.59	1.44	8.06	1.50	8.09	1.52	7.90	1.54	7.75	1.55	7.42	1.60
		5	4.5	10.64	1.47	10.13	1.52	9.99	1.55	9.78	1.57	9.61	1.58	9.22	1.64
		10	9	12.01	1.49	11.52	1.54	11.27	1.58	11.04	1.60	10.85	1.62	10.43	1.67
		17	15	13.51	1.52	13.04	1.57	12.67	1.62	**12.42**	**1.64**	12.22	1.66	11.75	1.71
		20	19	14.43	1.54	13.97	1.59	13.52	1.64	13.26	1.67	13.05	1.70	12.55	1.74
		25	23	15.95	1.58	15.48	1.62	14.94	1.68	14.66	1.72	14.43	1.74	13.89	1.79
		30	28	17.48	1.62	16.94	1.67	16.35	1.73	16.05	1.76	15.81	1.79	15.23	1.84
		35	32	19.00	1.66	18.40	1.72	17.77	1.77	17.45	1.81	17.20	1.84	16.57	1.89
		40	36	19.97	1.71	19.41	1.77	18.79	1.82	18.47	1.86	18.21	1.89	17.55	1.94
		45	41	21.18	1.77	20.68	1.83	20.07	1.89	19.73	1.92	19.47	1.95	18.76	2.01
		47	43	21.67	1.80	21.18	1.86	20.58	1.92	**20.24**	**1.95**	19.97	1.98	19.24	2.04
		50	46	21.73	1.79	21.29	1.84	20.76	1.89	20.46	1.92	20.22	1.94	19.54	2.00
		55	51	21.84	1.77	21.47	1.81	21.08	1.85	20.83	1.88	20.64	1.89	20.03	1.93
		60	56	21.94	1.75	21.66	1.78	21.39	1.82	21.21	1.83	21.06	1.84	20.52	1.87
		63	59	22.00	1.74	21.77	1.77	21.58	1.79	21.43	1.80	21.31	1.81	20.82	1.83
		68	64	22.07	1.73	21.88	1.75	21.77	1.77	21.65	1.77	21.57	1.78	21.11	1.79
	9 + 12	0	-0.4	9.76	1.61	9.16	1.67	9.19	1.70	8.98	1.71	8.81	1.72	8.43	1.78
		5	4.5	12.09	1.63	11.51	1.69	11.35	1.73	11.11	1.75	10.92	1.76	10.48	1.82
		10	9	13.64	1.66	13.09	1.71	12.80	1.76	12.54	1.78	12.33	1.80	11.85	1.86
		17	15	15.36	1.69	14.82	1.74	14.40	1.80	**14.11**	**1.83**	13.89	1.85	13.35	1.91
		20	19	16.40	1.71	15.87	1.76	15.36	1.83	15.07	1.86	14.83	1.89	14.27	1.94
		25	23	18.12	1.75	17.59	1.81	16.98	1.87	16.65	1.91	16.40	1.94	15.78	1.99
		30	28	19.86	1.80	19.25	1.86	18.58	1.92	18.24	1.96	17.97	2.00	17.31	2.05
		35	32	21.59	1.85	20.91	1.92	20.19	1.97	19.83	2.01	19.54	2.05	18.83	2.10
		40	36	22.69	1.91	22.06	1.97	21.35	2.03	20.98	2.07	20.69	2.10	19.94	2.16
		45	41	24.07	1.97	23.49	2.04	22.80	2.10	22.42	2.14	22.12	2.17	21.32	2.24
		47	43	24.62	2.00	24.07	2.07	23.38	2.13	**23.00**	**2.17**	22.69	2.20	21.87	2.27
		50	46	24.69	1.99	24.19	2.05	23.60	2.11	23.25	2.14	22.98	2.16	22.20	2.22
		55	51	24.81	1.97	24.40	2.02	23.95	2.06	23.68	2.09	23.46	2.11	22.76	2.15
		60	56	24.93	1.95	24.61	1.98	24.31	2.02	24.10	2.04	23.93	2.05	23.32	2.08
		63	59	25.01	1.93	24.73	1.96	24.52	1.99	24.35	2.00	24.22	2.01	23.65	2.04
		68	64	25.08	1.92	24.86	1.95	24.73	1.97	24.61	1.97	24.51	1.98	23.99	1.99
	12 + 12	0	-0.4	11.20	1.72	10.52	1.78	10.55	1.81	10.30	1.83	10.11	1.84	9.68	1.91
		5	4.5	13.87	1.75	13.22	1.81	13.03	1.85	12.75	1.87	12.53	1.89	12.03	1.95
		10	9	15.66	1.77	15.02	1.83	14.69	1.88	14.40	1.91	14.16	1.93	13.60	1.99
		17	15	17.63	1.81	17.01	1.87	16.52	1.92	**16.20**	**1.96**	15.94	1.98	15.33	2.04
		20	19	18.82	1.83	18.22	1.89	17.63	1.95	17.29	1.99	17.02	2.02	16.38	2.07
		25	23	20.80	1.88	20.19	1.93	19.49	2.00	19.12	2.04	18.82	2.08	18.11	2.13
		30	28	22.80	1.93	22.09	1.99	21.33	2.05	20.94	2.10	20.63	2.13	19.87	2.19
		35	32	24.79	1.98	24.00	2.05	23.18	2.10	22.76	2.15	22.43	2.19	21.62	2.25
		40	36	26.05	2.04	25.32	2.11	24.51	2.17	24.09	2.21	23.75	2.25	22.89	2.31
		45	41	27.63	2.11	26.97	2.18	26.17	2.25	25.74	2.29	25.39	2.32	24.47	2.39
		47	43	28.26	2.14	27.63	2.21	26.84	2.28	**26.40**	**2.32**	26.05	2.35	25.10	2.42
		50	46	28.34	2.13	27.77	2.19	27.08	2.25	26.69	2.29	26.38	2.31	25.49	2.38
		55	51	28.48	2.10	28.01	2.16	27.49	2.21	27.18	2.23	26.92	2.25	26.13	2.30
		60	56	28.62	2.08	28.25	2.12	27.90	2.16	27.66	2.18	27.47	2.19	26.77	2.22
		63	59	28.70	2.07	28.39	2.10	28.14	2.13	27.95	2.14	27.80	2.15	27.15	2.18
		68	64	28.79	2.05	28.53	2.08	28.39	2.10	28.25	2.11	28.13	2.11	27.54	2.13

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 79: LMU247HV Heating Capacity Table — Non-Ducted Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 18	0	-0.4	11.20	1.72	10.52	1.78	10.55	1.81	10.30	1.83	10.11	1.84	9.68	1.91
		5	4.5	13.87	1.75	13.22	1.81	13.03	1.85	12.75	1.87	12.53	1.89	12.03	1.95
		10	9	15.66	1.77	15.02	1.83	14.69	1.88	14.40	1.91	14.16	1.93	13.60	1.99
		17	15	17.63	1.81	17.01	1.87	16.52	1.92	**16.20**	**1.96**	15.94	1.98	15.33	2.04
		20	19	18.82	1.83	18.22	1.89	17.63	1.95	17.29	1.99	17.02	2.02	16.38	2.07
		25	23	20.80	1.88	20.19	1.93	19.49	2.00	19.12	2.04	18.82	2.08	18.11	2.13
		30	28	22.80	1.93	22.09	1.99	21.33	2.05	20.94	2.10	20.63	2.13	19.87	2.19
		35	32	24.79	1.98	24.00	2.05	23.18	2.10	22.76	2.15	22.43	2.19	21.62	2.25
		40	36	26.05	2.04	25.32	2.11	24.51	2.17	24.09	2.21	23.75	2.25	22.89	2.31
		45	41	27.63	2.11	26.97	2.18	26.17	2.25	25.74	2.29	25.39	2.32	24.47	2.39
		47	43	28.26	2.14	27.63	2.21	26.84	2.28	**26.40**	**2.32**	26.05	2.35	25.10	2.42
		50	46	28.34	2.13	27.77	2.19	27.08	2.25	26.69	2.29	26.38	2.31	25.49	2.38
		55	51	28.48	2.10	28.01	2.16	27.49	2.21	27.18	2.23	26.92	2.25	26.13	2.30
		60	56	28.62	2.08	28.25	2.12	27.90	2.16	27.66	2.18	27.47	2.19	26.77	2.22
		63	59	28.70	2.07	28.39	2.10	28.14	2.13	27.95	2.14	27.80	2.15	27.15	2.18
		68	64	28.79	2.05	28.53	2.08	28.39	2.10	28.25	2.11	28.13	2.11	27.54	2.13
	12 + 18	0	-0.4	11.20	1.72	10.52	1.78	10.55	1.81	10.30	1.83	10.11	1.84	9.68	1.91
		5	4.5	13.87	1.75	13.22	1.81	13.03	1.85	12.75	1.87	12.53	1.89	12.03	1.95
		10	9	15.66	1.77	15.02	1.83	14.69	1.88	14.40	1.91	14.16	1.93	13.60	1.99
		17	15	17.63	1.81	17.01	1.87	16.52	1.92	**16.20**	**1.96**	15.94	1.98	15.33	2.04
		20	19	18.82	1.83	18.22	1.89	17.63	1.95	17.29	1.99	17.02	2.02	16.38	2.07
		25	23	20.80	1.88	20.19	1.93	19.49	2.00	19.12	2.04	18.82	2.08	18.11	2.13
		30	28	22.80	1.93	22.09	1.99	21.33	2.05	20.94	2.10	20.63	2.13	19.87	2.19
		35	32	24.79	1.98	24.00	2.05	23.18	2.10	22.76	2.15	22.43	2.19	21.62	2.25
		40	36	26.05	2.04	25.32	2.11	24.51	2.17	24.09	2.21	23.75	2.25	22.89	2.31
		45	41	27.63	2.11	26.97	2.18	26.17	2.25	25.74	2.29	25.39	2.32	24.47	2.39
		47	43	28.26	2.14	27.63	2.21	26.84	2.28	**26.40**	**2.32**	26.05	2.35	25.10	2.42
		50	46	28.34	2.13	27.77	2.19	27.08	2.25	26.69	2.29	26.38	2.31	25.49	2.38
		55	51	28.48	2.10	28.01	2.16	27.49	2.21	27.18	2.23	26.92	2.25	26.13	2.30
		60	56	28.62	2.08	28.25	2.12	27.90	2.16	27.66	2.18	27.47	2.19	26.77	2.22
		63	59	28.70	2.07	28.39	2.10	28.14	2.13	27.95	2.14	27.80	2.15	27.15	2.18
		68	64	28.79	2.05	28.53	2.08	28.39	2.10	28.25	2.11	28.13	2.11	27.54	2.13
Three (3) Non-Ducted Indoor Units	9 + 9 + 9	0	-0.4	11.20	1.64	10.52	1.70	10.55	1.73	10.30	1.74	10.11	1.75	9.68	1.82
		5	4.5	13.87	1.66	13.22	1.72	13.03	1.76	12.75	1.78	12.53	1.80	12.03	1.86
		10	9	15.66	1.69	15.02	1.75	14.69	1.79	14.40	1.82	14.16	1.84	13.60	1.89
		17	15	17.63	1.72	17.01	1.78	16.52	1.83	**16.20**	**1.86**	15.94	1.89	15.33	1.94
		20	19	18.82	1.74	18.22	1.80	17.63	1.86	17.29	1.89	17.02	1.92	16.38	1.97
		25	23	20.80	1.79	20.19	1.84	19.49	1.91	19.12	1.95	18.82	1.98	18.11	2.03
		30	28	22.80	1.84	22.09	1.90	21.33	1.96	20.94	2.00	20.63	2.03	19.87	2.08
		35	32	24.79	1.89	24.00	1.95	23.18	2.00	22.76	2.05	22.43	2.09	21.62	2.14
		40	36	26.05	1.94	25.32	2.01	24.51	2.07	24.09	2.11	23.75	2.14	22.89	2.20
		45	41	27.63	2.01	26.97	2.08	26.17	2.14	25.74	2.18	25.39	2.21	24.47	2.28
		47	43	28.26	2.04	27.63	2.11	26.84	2.17	**26.40**	**2.21**	26.05	2.24	25.10	2.31
		50	46	28.34	2.03	27.77	2.09	27.08	2.15	26.69	2.18	26.38	2.20	25.49	2.26
		55	51	28.48	2.00	28.01	2.05	27.49	2.10	27.18	2.13	26.92	2.14	26.13	2.19
		60	56	28.62	1.98	28.25	2.02	27.90	2.06	27.66	2.07	27.47	2.09	26.77	2.12
		63	59	28.70	1.97	28.39	2.00	28.14	2.03	27.95	2.04	27.80	2.05	27.15	2.07
		68	64	28.79	1.96	28.53	1.98	28.39	2.00	28.25	2.01	28.13	2.01	27.54	2.03

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 80: LMU247HV Heating Capacity Table — Non-Ducted Indoor Units (continued) / Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 9 + 12	0	-0.4	11.20	1.64	10.52	1.70	10.55	1.73	10.30	1.74	10.11	1.75	9.68	1.82
		5	4.5	13.87	1.66	13.22	1.72	13.03	1.76	12.75	1.78	12.53	1.80	12.03	1.86
		10	9	15.66	1.69	15.02	1.75	14.69	1.79	14.40	1.82	14.16	1.84	13.60	1.89
		17	15	17.63	1.72	17.01	1.78	16.52	1.83	**16.20**	**1.86**	15.94	1.89	15.33	1.94
		20	19	18.82	1.74	18.22	1.80	17.63	1.86	17.29	1.89	17.02	1.92	16.38	1.97
		25	23	20.80	1.79	20.19	1.84	19.49	1.91	19.12	1.95	18.82	1.98	18.11	2.03
		30	28	22.80	1.84	22.09	1.90	21.33	1.96	20.94	2.00	20.63	2.03	19.87	2.08
		35	32	24.79	1.89	24.00	1.95	23.18	2.00	22.76	2.05	22.43	2.09	21.62	2.14
		40	36	26.05	1.94	25.32	2.01	24.51	2.07	24.09	2.11	23.75	2.14	22.89	2.20
		45	41	27.63	2.01	26.97	2.08	26.17	2.14	25.74	2.18	25.39	2.21	24.47	2.28
		47	43	28.26	2.04	27.63	2.11	26.84	2.17	**26.40**	**2.21**	26.05	2.24	25.10	2.31
		50	46	28.34	2.03	27.77	2.09	27.08	2.15	26.69	2.18	26.38	2.20	25.49	2.26
		55	51	28.48	2.00	28.01	2.05	27.49	2.10	27.18	2.13	26.92	2.14	26.13	2.19
		60	56	28.62	1.98	28.25	2.02	27.90	2.06	27.66	2.07	27.47	2.09	26.77	2.12
		63	59	28.70	1.97	28.39	2.00	28.14	2.03	27.95	2.04	27.80	2.05	27.15	2.07
		68	64	28.79	1.96	28.53	1.98	28.39	2.00	28.25	2.01	28.13	2.01	27.54	2.03
	9 + 12 + 12	0	-0.4	11.20	1.64	10.52	1.70	10.55	1.73	10.30	1.74	10.11	1.75	9.68	1.82
		5	4.5	13.87	1.66	13.22	1.72	13.03	1.76	12.75	1.78	12.53	1.80	12.03	1.86
		10	9	15.66	1.69	15.02	1.75	14.69	1.79	14.40	1.82	14.16	1.84	13.60	1.89
		17	15	17.63	1.72	17.01	1.78	16.52	1.83	**16.20**	**1.86**	15.94	1.89	15.33	1.94
		20	19	18.82	1.74	18.22	1.80	17.63	1.86	17.29	1.89	17.02	1.92	16.38	1.97
		25	23	20.80	1.79	20.19	1.84	19.49	1.91	19.12	1.95	18.82	1.98	18.11	2.03
		30	28	22.80	1.84	22.09	1.90	21.33	1.96	20.94	2.00	20.63	2.03	19.87	2.08
		35	32	24.79	1.89	24.00	1.95	23.18	2.00	22.76	2.05	22.43	2.09	21.62	2.14
		40	36	26.05	1.94	25.32	2.01	24.51	2.07	24.09	2.11	23.75	2.14	22.89	2.20
		45	41	27.63	2.01	26.97	2.08	26.17	2.14	25.74	2.18	25.39	2.21	24.47	2.28
		47	43	28.26	2.04	27.63	2.11	26.84	2.17	**26.40**	**2.21**	26.05	2.24	25.10	2.31
		50	46	28.34	2.03	27.77	2.09	27.08	2.15	26.69	2.18	26.38	2.20	25.49	2.26
		55	51	28.48	2.00	28.01	2.05	27.49	2.10	27.18	2.13	26.92	2.14	26.13	2.19
		60	56	28.62	1.98	28.25	2.02	27.90	2.06	27.66	2.07	27.47	2.09	26.77	2.12
		63	59	28.70	1.97	28.39	2.00	28.14	2.03	27.95	2.04	27.80	2.05	27.15	2.07
		68	64	28.79	1.96	28.53	1.98	28.39	2.00	28.25	2.01	28.13	2.01	27.54	2.0
Two (2) Ducted Indoor Units	9 + 9	0	-0.4	9.00	1.46	8.45	1.52	8.47	1.54	8.27	1.56	8.12	1.57	7.77	1.62
		5	4.5	10.92	1.49	10.41	1.54	10.26	1.57	10.04	1.59	9.86	1.61	9.47	1.66
		10	9	12.21	1.51	11.71	1.56	11.45	1.60	11.22	1.62	11.03	1.64	10.60	1.69
		17	15	13.62	1.54	13.15	1.59	12.77	1.64	**12.52**	**1.66**	12.32	1.69	11.84	1.73
		20	19	14.48	1.56	14.02	1.60	13.57	1.66	13.31	1.69	13.10	1.72	12.60	1.76
		25	23	15.91	1.59	15.44	1.64	14.90	1.70	14.62	1.74	14.39	1.76	13.85	1.81
		30	28	17.34	1.64	16.81	1.69	16.23	1.74	15.93	1.78	15.69	1.81	15.12	1.86
		35	32	18.78	1.68	18.18	1.74	17.56	1.79	17.24	1.83	16.99	1.86	16.38	1.91
		40	36	19.73	1.73	19.18	1.79	18.57	1.84	18.25	1.88	17.99	1.91	17.34	1.96
		45	41	20.93	1.79	20.43	1.85	19.83	1.91	19.50	1.94	19.24	1.97	18.54	2.03
		47	43	21.41	1.82	20.93	1.88	20.33	1.94	**20.00**	**1.97**	19.73	2.00	19.02	2.06
		50	46	21.47	1.81	21.04	1.86	20.52	1.91	20.22	1.94	19.98	1.96	19.31	2.02
		55	51	21.58	1.79	21.22	1.83	20.83	1.87	20.59	1.89	20.40	1.91	19.79	1.95
		60	56	21.68	1.77	21.40	1.80	21.14	1.83	20.95	1.85	20.81	1.86	20.28	1.89
		63	59	21.74	1.76	21.51	1.78	21.32	1.81	21.18	1.82	21.06	1.83	20.57	1.85
		68	64	21.81	1.74	21.62	1.77	21.51	1.79	21.40	1.79	21.31	1.80	20.86	1.81

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 81: LMU247HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	9 + 12	0	-0.4	10.25	1.66	9.64	1.72	9.65	1.75	9.43	1.76	9.25	1.78	8.86	1.84
		5	4.5	12.45	1.68	11.86	1.74	11.69	1.78	11.44	1.80	11.24	1.82	10.79	1.88
		10	9	13.91	1.71	13.35	1.77	13.06	1.81	12.79	1.84	12.58	1.86	12.08	1.92
		17	15	15.53	1.74	14.99	1.80	14.56	1.85	**14.27**	**1.88**	14.04	1.91	13.50	1.96
		20	19	16.51	1.76	15.98	1.82	15.47	1.88	15.17	1.91	14.93	1.94	14.36	2.00
		25	23	18.14	1.80	17.60	1.86	16.99	1.93	16.67	1.97	16.41	2.00	15.79	2.05
		30	28	19.77	1.85	19.16	1.92	18.50	1.97	18.16	2.02	17.89	2.05	17.23	2.10
		35	32	21.41	1.90	20.72	1.97	20.02	2.02	19.66	2.07	19.37	2.11	18.67	2.16
		40	36	22.50	1.96	21.86	2.03	21.17	2.08	20.80	2.13	20.51	2.16	19.76	2.22
		45	41	23.86	2.03	23.29	2.10	22.60	2.16	22.23	2.20	21.93	2.23	21.13	2.30
		47	43	24.41	2.06	23.86	2.12	23.18	2.19	**22.80**	**2.23**	22.50	2.26	21.68	2.33
		50	46	24.48	2.04	23.98	2.10	23.39	2.17	23.05	2.20	22.78	2.22	22.01	2.28
		55	51	24.60	2.02	24.19	2.07	23.74	2.12	23.47	2.14	23.25	2.16	22.56	2.21
		60	56	24.72	2.00	24.39	2.04	24.09	2.08	23.89	2.09	23.72	2.10	23.12	2.14
		63	59	24.79	1.99	24.52	2.02	24.31	2.05	24.14	2.06	24.01	2.07	23.45	2.09
		68	64	24.86	1.97	24.64	2.00	24.52	2.02	24.39	2.03	24.29	2.03	23.79	2.05
	12 + 12	0	-0.4	11.78	1.75	11.08	1.82	11.09	1.85	10.84	1.87	10.63	1.88	10.18	1.95
		5	4.5	14.30	1.78	13.63	1.85	13.44	1.89	13.15	1.91	12.92	1.92	12.40	1.99
		10	9	15.99	1.81	15.34	1.87	15.00	1.92	14.70	1.94	14.45	1.97	13.88	2.03
		17	15	17.84	1.84	17.22	1.90	16.73	1.96	**16.40**	**1.99**	16.14	2.02	15.52	2.08
		20	19	18.97	1.87	18.36	1.92	17.77	1.99	17.43	2.03	17.16	2.06	16.51	2.11
		25	23	20.84	1.91	20.22	1.97	19.52	2.04	19.15	2.08	18.86	2.11	18.15	2.17
		30	28	22.72	1.96	22.02	2.03	21.26	2.09	20.87	2.14	20.56	2.17	19.80	2.23
		35	32	24.60	2.01	23.82	2.09	23.00	2.14	22.59	2.19	22.26	2.23	21.46	2.28
		40	36	25.85	2.07	25.13	2.15	24.32	2.21	23.90	2.25	23.57	2.29	22.71	2.35
		45	41	27.42	2.15	26.76	2.22	25.98	2.29	25.54	2.33	25.20	2.36	24.28	2.43
		47	43	28.05	2.18	27.42	2.25	26.64	2.32	**26.20**	**2.36**	25.85	2.39	24.91	2.46
		50	46	28.13	2.16	27.56	2.23	26.88	2.29	26.49	2.33	26.18	2.35	25.29	2.42
		55	51	28.27	2.14	27.80	2.19	27.28	2.24	26.97	2.27	26.72	2.29	25.93	2.34
		60	56	28.40	2.12	28.03	2.16	27.69	2.20	27.45	2.21	27.26	2.23	26.56	2.26
		63	59	28.48	2.10	28.17	2.14	27.93	2.17	27.74	2.18	27.59	2.19	26.95	2.21
		68	64	28.57	2.09	28.32	2.12	28.18	2.14	28.03	2.15	27.92	2.15	27.33	2.17
	9 + 18	0	-0.4	11.78	1.75	11.08	1.82	11.09	1.85	10.84	1.87	10.63	1.88	10.18	1.95
		5	4.5	14.30	1.78	13.63	1.85	13.44	1.89	13.15	1.91	12.92	1.92	12.40	1.99
		10	9	15.99	1.81	15.34	1.87	15.00	1.92	14.70	1.94	14.45	1.97	13.88	2.03
		17	15	17.84	1.84	17.22	1.90	16.73	1.96	**16.40**	**1.99**	16.14	2.02	15.52	2.08
		20	19	18.97	1.87	18.36	1.92	17.77	1.99	17.43	2.03	17.16	2.06	16.51	2.11
		25	23	20.84	1.91	20.22	1.97	19.52	2.04	19.15	2.08	18.86	2.11	18.15	2.17
		30	28	22.72	1.96	22.02	2.03	21.26	2.09	20.87	2.14	20.56	2.17	19.80	2.23
		35	32	24.60	2.01	23.82	2.09	23.00	2.14	22.59	2.19	22.26	2.23	21.46	2.28
		40	36	25.85	2.07	25.13	2.15	24.32	2.21	23.90	2.25	23.57	2.29	22.71	2.35
		45	41	27.42	2.15	26.76	2.22	25.98	2.29	25.54	2.33	25.20	2.36	24.28	2.43
		47	43	28.05	2.18	27.42	2.25	26.64	2.32	**26.20**	**2.36**	25.85	2.39	24.91	2.46
		50	46	28.13	2.16	27.56	2.23	26.88	2.29	26.49	2.33	26.18	2.35	25.29	2.42
		55	51	28.27	2.14	27.80	2.19	27.28	2.24	26.97	2.27	26.72	2.29	25.93	2.34
		60	56	28.40	2.12	28.03	2.16	27.69	2.20	27.45	2.21	27.26	2.23	26.56	2.26
		63	59	28.48	2.10	28.17	2.14	27.93	2.17	27.74	2.18	27.59	2.19	26.95	2.21
		68	64	28.57	2.09	28.32	2.12	28.18	2.14	28.03	2.15	27.92	2.15	27.33	2.17

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 82: LMU247HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 18	0	-0.4	11.78	1.75	11.08	1.82	11.09	1.85	10.84	1.87	10.63	1.88	10.18	1.95
		5	4.5	14.30	1.78	13.63	1.85	13.44	1.89	13.15	1.91	12.92	1.92	12.40	1.99
		10	9	15.99	1.81	15.34	1.87	15.00	1.92	14.70	1.94	14.45	1.97	13.88	2.03
		17	15	17.84	1.84	17.22	1.90	16.73	1.96	**16.40**	**1.99**	16.14	2.02	15.52	2.08
		20	19	18.97	1.87	18.36	1.92	17.77	1.99	17.43	2.03	17.16	2.06	16.51	2.11
		25	23	20.84	1.91	20.22	1.97	19.52	2.04	19.15	2.08	18.86	2.11	18.15	2.17
		30	28	22.72	1.96	22.02	2.03	21.26	2.09	20.87	2.14	20.56	2.17	19.80	2.23
		35	32	24.60	2.01	23.82	2.09	23.00	2.14	22.59	2.19	22.26	2.23	21.46	2.28
		40	36	25.85	2.07	25.13	2.15	24.32	2.21	23.90	2.25	23.57	2.29	22.71	2.35
		45	41	27.42	2.15	26.76	2.22	25.98	2.29	25.54	2.33	25.20	2.36	24.28	2.43
		47	43	28.05	2.18	27.42	2.25	26.64	2.32	**26.20**	**2.36**	25.85	2.39	24.91	2.46
		50	46	28.13	2.16	27.56	2.23	26.88	2.29	26.49	2.33	26.18	2.35	25.29	2.42
		55	51	28.27	2.14	27.80	2.19	27.28	2.24	26.97	2.27	26.72	2.29	25.93	2.34
		60	56	28.40	2.12	28.03	2.16	27.69	2.20	27.45	2.21	27.26	2.23	26.56	2.26
		63	59	28.48	2.10	28.17	2.14	27.93	2.17	27.74	2.18	27.59	2.19	26.95	2.21
		68	64	28.57	2.09	28.32	2.12	28.18	2.14	28.03	2.15	27.92	2.15	27.33	2.17
Three (3) Ducted Indoor Units	9 + 9 + 9	0	-0.4	11.78	1.66	11.08	1.72	11.09	1.75	10.84	1.76	10.63	1.78	10.18	1.84
		5	4.5	14.30	1.68	13.63	1.74	13.44	1.78	13.15	1.80	12.92	1.82	12.40	1.88
		10	9	15.99	1.71	15.34	1.77	15.00	1.81	14.70	1.84	14.45	1.86	13.88	1.92
		17	15	17.84	1.74	17.22	1.80	16.73	1.85	**16.40**	**1.88**	16.14	1.91	15.52	1.96
		20	19	18.97	1.76	18.36	1.82	17.77	1.88	17.43	1.91	17.16	1.94	16.51	2.00
		25	23	20.84	1.80	20.22	1.86	19.52	1.93	19.15	1.97	18.86	2.00	18.15	2.05
		30	28	22.72	1.85	22.02	1.92	21.26	1.97	20.87	2.02	20.56	2.05	19.80	2.10
		35	32	24.60	1.90	23.82	1.97	23.00	2.02	22.59	2.07	22.26	2.11	21.46	2.16
		40	36	25.85	1.96	25.13	2.03	24.32	2.08	23.90	2.13	23.57	2.16	22.71	2.22
		45	41	27.42	2.03	26.76	2.10	25.98	2.16	25.54	2.20	25.20	2.23	24.28	2.30
		47	43	28.05	2.06	27.42	2.12	26.64	2.19	**26.20**	**2.23**	25.85	2.26	24.91	2.33
		50	46	28.13	2.04	27.56	2.10	26.88	2.17	26.49	2.20	26.18	2.22	25.29	2.28
		55	51	28.27	2.02	27.80	2.07	27.28	2.12	26.97	2.14	26.72	2.16	25.93	2.21
		60	56	28.40	2.00	28.03	2.04	27.69	2.08	27.45	2.09	27.26	2.10	26.56	2.14
		63	59	28.48	1.99	28.17	2.02	27.93	2.05	27.74	2.06	27.59	2.07	26.95	2.09
		68	64	28.57	1.97	28.32	2.00	28.18	2.02	28.03	2.03	27.92	2.03	27.33	2.05
	9 + 9 + 12	0	-0.4	11.78	1.66	11.08	1.72	11.09	1.75	10.84	1.76	10.63	1.78	10.18	1.84
		5	4.5	14.30	1.68	13.63	1.74	13.44	1.78	13.15	1.80	12.92	1.82	12.40	1.88
		10	9	15.99	1.71	15.34	1.77	15.00	1.81	14.70	1.84	14.45	1.86	13.88	1.92
		17	15	17.84	1.74	17.22	1.80	16.73	1.85	**16.40**	**1.88**	16.14	1.91	15.52	1.96
		20	19	18.97	1.76	18.36	1.82	17.77	1.88	17.43	1.91	17.16	1.94	16.51	2.00
		25	23	20.84	1.80	20.22	1.86	19.52	1.93	19.15	1.97	18.86	2.00	18.15	2.05
		30	28	22.72	1.85	22.02	1.92	21.26	1.97	20.87	2.02	20.56	2.05	19.80	2.10
		35	32	24.60	1.90	23.82	1.97	23.00	2.02	22.59	2.07	22.26	2.11	21.46	2.16
		40	36	25.85	1.96	25.13	2.03	24.32	2.08	23.90	2.13	23.57	2.16	22.71	2.22
		45	41	27.42	2.03	26.76	2.10	25.98	2.16	25.54	2.20	25.20	2.23	24.28	2.30
		47	43	28.05	2.06	27.42	2.12	26.64	2.19	**26.20**	**2.23**	25.85	2.26	24.91	2.33
		50	46	28.13	2.04	27.56	2.10	26.88	2.17	26.49	2.20	26.18	2.22	25.29	2.28
		55	51	28.27	2.02	27.80	2.07	27.28	2.12	26.97	2.14	26.72	2.16	25.93	2.21
		60	56	28.40	2.00	28.03	2.04	27.69	2.08	27.45	2.09	27.26	2.10	26.56	2.14
		63	59	28.48	1.99	28.17	2.02	27.93	2.05	27.74	2.06	27.59	2.07	26.95	2.09
		68	64	28.57	1.97	28.32	2.00	28.18	2.02	28.03	2.03	27.92	2.03	27.33	2.05

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 83: LMU247HV Heating Capacity Table — Ducted Indoor Units (continued) / Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 12 + 12	0	-0.4	11.78	1.66	11.08	1.72	11.09	1.75	10.84	1.76	10.63	1.78	10.18	1.84
		5	4.5	14.30	1.68	13.63	1.74	13.44	1.78	13.15	1.80	12.92	1.82	12.40	1.88
		10	9	15.99	1.71	15.34	1.77	15.00	1.81	14.70	1.84	14.45	1.86	13.88	1.92
		17	15	17.84	1.74	17.22	1.80	16.73	1.85	**16.40**	**1.88**	16.14	1.91	15.52	1.96
		20	19	18.97	1.76	18.36	1.82	17.77	1.88	17.43	1.91	17.16	1.94	16.51	2.00
		25	23	20.84	1.80	20.22	1.86	19.52	1.93	19.15	1.97	18.86	2.00	18.15	2.05
		30	28	22.72	1.85	22.02	1.92	21.26	1.97	20.87	2.02	20.56	2.05	19.80	2.10
		35	32	24.60	1.90	23.82	1.97	23.00	2.02	22.59	2.07	22.26	2.11	21.46	2.16
		40	36	25.85	1.96	25.13	2.03	24.32	2.08	23.90	2.13	23.57	2.16	22.71	2.22
		45	41	27.42	2.03	26.76	2.10	25.98	2.16	25.54	2.20	25.20	2.23	24.28	2.30
		47	43	28.05	2.06	27.42	2.12	26.64	2.19	**26.20**	**2.23**	25.85	2.26	24.91	2.33
		50	46	28.13	2.04	27.56	2.10	26.88	2.17	26.49	2.20	26.18	2.22	25.29	2.28
		55	51	28.27	2.02	27.80	2.07	27.28	2.12	26.97	2.14	26.72	2.16	25.93	2.21
		60	56	28.40	2.00	28.03	2.04	27.69	2.08	27.45	2.09	27.26	2.10	26.56	2.14
		63	59	28.48	1.99	28.17	2.02	27.93	2.05	27.74	2.06	27.59	2.07	26.95	2.09
		68	64	28.57	1.97	28.32	2.00	28.18	2.02	28.03	2.03	27.92	2.03	27.33	2.05
Two (2) Mixed Indoor Units	9 + 9	0	-0.4	8.79	1.45	8.26	1.51	8.28	1.53	8.09	1.55	7.93	1.56	7.60	1.61
		5	4.5	10.78	1.48	10.27	1.53	10.12	1.56	9.91	1.58	9.74	1.60	9.34	1.65
		10	9	12.11	1.50	11.62	1.55	11.36	1.59	11.13	1.61	10.94	1.63	10.51	1.68
		17	15	13.57	1.53	13.10	1.58	12.72	1.63	**12.47**	**1.65**	12.27	1.67	11.80	1.72
		20	19	14.45	1.55	13.99	1.60	13.54	1.65	13.28	1.68	13.07	1.71	12.58	1.75
		25	23	15.93	1.58	15.46	1.63	14.92	1.69	14.64	1.73	14.41	1.75	13.87	1.80
		30	28	17.41	1.63	16.87	1.68	16.29	1.73	15.99	1.77	15.75	1.80	15.17	1.85
		35	32	18.89	1.67	18.29	1.73	17.67	1.78	17.35	1.82	17.09	1.85	16.48	1.90
		40	36	19.85	1.72	19.29	1.78	18.68	1.83	18.36	1.87	18.10	1.90	17.44	1.95
		45	41	21.06	1.78	20.55	1.84	19.95	1.90	19.62	1.93	19.35	1.96	18.65	2.02
		47	43	21.54	1.81	21.06	1.87	20.45	1.93	**20.12**	**1.96**	19.85	1.99	19.13	2.05
		50	46	21.60	1.80	21.16	1.85	20.64	1.90	20.34	1.93	20.10	1.95	19.42	2.01
		55	51	21.71	1.78	21.35	1.82	20.95	1.86	20.71	1.89	20.52	1.90	19.91	1.94
		60	56	21.81	1.76	21.53	1.79	21.26	1.82	21.08	1.84	20.94	1.85	20.40	1.88
		63	59	21.87	1.75	21.64	1.77	21.45	1.80	21.30	1.81	21.18	1.82	20.69	1.84
		68	64	21.94	1.74	21.75	1.76	21.64	1.78	21.53	1.78	21.44	1.79	20.99	1.80
	9 + 12	0	-0.4	10.01	1.63	9.40	1.69	9.42	1.72	9.20	1.74	9.03	1.75	8.65	1.81
		5	4.5	12.27	1.66	11.69	1.72	11.52	1.75	11.28	1.77	11.08	1.79	10.63	1.85
		10	9	13.78	1.68	13.22	1.74	12.93	1.78	12.67	1.81	12.46	1.83	11.96	1.89
		17	15	15.44	1.72	14.91	1.77	14.48	1.83	**14.19**	**1.86**	13.97	1.88	13.43	1.93
		20	19	16.45	1.74	15.93	1.79	15.41	1.85	15.12	1.89	14.88	1.91	14.32	1.97
		25	23	18.13	1.78	17.59	1.83	16.98	1.90	16.66	1.94	16.40	1.97	15.79	2.02
		30	28	19.82	1.83	19.20	1.89	18.54	1.95	18.20	1.99	17.93	2.02	17.27	2.08
		35	32	21.50	1.88	20.82	1.94	20.11	2.00	19.75	2.04	19.46	2.08	18.75	2.13
		40	36	22.60	1.93	21.96	2.00	21.26	2.06	20.89	2.10	20.60	2.13	19.85	2.19
		45	41	23.97	2.00	23.39	2.07	22.70	2.13	22.33	2.17	22.02	2.20	21.22	2.27
		47	43	24.51	2.03	23.97	2.10	23.28	2.16	**22.90**	**2.20**	22.60	2.23	21.77	2.30
		50	46	24.58	2.02	24.09	2.08	23.49	2.14	23.15	2.17	22.88	2.19	22.11	2.25
		55	51	24.70	1.99	24.30	2.04	23.85	2.09	23.57	2.12	23.35	2.14	22.66	2.18
		60	56	24.82	1.97	24.50	2.01	24.20	2.05	23.99	2.06	23.83	2.08	23.22	2.11
		63	59	24.90	1.96	24.63	1.99	24.41	2.02	24.25	2.03	24.11	2.04	23.55	2.06
		68	64	24.97	1.95	24.75	1.97	24.63	2.00	24.50	2.00	24.40	2.01	23.89	2.02

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 84: LMU247HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 12	0	-0.4	11.49	1.74	10.80	1.80	10.82	1.83	10.57	1.85	10.37	1.86	9.93	1.93
		5	4.5	14.09	1.76	13.42	1.83	13.23	1.87	12.95	1.89	12.73	1.90	12.21	1.97
		10	9	15.82	1.79	15.18	1.85	14.85	1.90	14.55	1.92	14.30	1.95	13.74	2.01
		17	15	17.74	1.82	17.12	1.88	16.63	1.94	**16.30**	**1.97**	16.04	2.00	15.42	2.06
		20	19	18.89	1.85	18.29	1.90	17.70	1.97	17.36	2.01	17.09	2.04	16.44	2.09
		25	23	20.82	1.89	20.21	1.95	19.50	2.02	19.13	2.06	18.84	2.09	18.13	2.15
		30	28	22.76	1.95	22.05	2.01	21.30	2.07	20.91	2.12	20.59	2.15	19.84	2.21
		35	32	24.69	2.00	23.91	2.07	23.09	2.12	22.68	2.17	22.34	2.21	21.54	2.26
		40	36	25.95	2.06	25.22	2.13	24.42	2.19	23.99	2.23	23.66	2.27	22.80	2.33
		45	41	27.52	2.13	26.87	2.20	26.07	2.27	25.64	2.31	25.29	2.34	24.38	2.41
		47	43	28.15	2.16	27.52	2.23	26.74	2.30	**26.30**	**2.34**	25.95	2.37	25.01	2.44
		50	46	28.24	2.14	27.67	2.21	26.98	2.27	26.59	2.31	26.28	2.33	25.39	2.40
		55	51	28.37	2.12	27.90	2.17	27.39	2.23	27.07	2.25	26.82	2.27	26.03	2.32
		60	56	28.51	2.10	28.14	2.14	27.79	2.18	27.56	2.19	27.37	2.21	26.67	2.24
		63	59	28.59	2.09	28.28	2.12	28.04	2.15	27.85	2.16	27.69	2.17	27.05	2.20
		68	64	28.68	2.07	28.42	2.10	28.28	2.12	28.14	2.13	28.02	2.13	27.44	2.15
	9 + 18	0	-0.4	11.49	1.74	10.80	1.80	10.82	1.83	10.57	1.85	10.37	1.86	9.93	1.93
		5	4.5	14.09	1.76	13.42	1.83	13.23	1.87	12.95	1.89	12.73	1.90	12.21	1.97
		10	9	15.82	1.79	15.18	1.85	14.85	1.90	14.55	1.92	14.30	1.95	13.74	2.01
		17	15	17.74	1.82	17.12	1.88	16.63	1.94	**16.30**	**1.97**	16.04	2.00	15.42	2.06
		20	19	18.89	1.85	18.29	1.90	17.70	1.97	17.36	2.01	17.09	2.04	16.44	2.09
		25	23	20.82	1.89	20.21	1.95	19.50	2.02	19.13	2.06	18.84	2.09	18.13	2.15
		30	28	22.76	1.95	22.05	2.01	21.30	2.07	20.91	2.12	20.59	2.15	19.84	2.21
		35	32	24.69	2.00	23.91	2.07	23.09	2.12	22.68	2.17	22.34	2.21	21.54	2.26
		40	36	25.95	2.06	25.22	2.13	24.42	2.19	23.99	2.23	23.66	2.27	22.80	2.33
		45	41	27.52	2.13	26.87	2.20	26.07	2.27	25.64	2.31	25.29	2.34	24.38	2.41
		47	43	28.15	2.16	27.52	2.23	26.74	2.30	**26.30**	**2.34**	25.95	2.37	25.01	2.44
		50	46	28.24	2.14	27.67	2.21	26.98	2.27	26.59	2.31	26.28	2.33	25.39	2.40
		55	51	28.37	2.12	27.90	2.17	27.39	2.23	27.07	2.25	26.82	2.27	26.03	2.32
		60	56	28.51	2.10	28.14	2.14	27.79	2.18	27.56	2.19	27.37	2.21	26.67	2.24
		63	59	28.59	2.09	28.28	2.12	28.04	2.15	27.85	2.16	27.69	2.17	27.05	2.20
		68	64	28.68	2.07	28.42	2.10	28.28	2.12	28.14	2.13	28.02	2.13	27.44	2.15
	12 + 18	0	-0.4	11.49	1.74	10.80	1.80	10.82	1.83	10.57	1.85	10.37	1.86	9.93	1.93
		5	4.5	14.09	1.76	13.42	1.83	13.23	1.87	12.95	1.89	12.73	1.90	12.21	1.97
		10	9	15.82	1.79	15.18	1.85	14.85	1.90	14.55	1.92	14.30	1.95	13.74	2.01
		17	15	17.74	1.82	17.12	1.88	16.63	1.94	**16.30**	**1.97**	16.04	2.00	15.42	2.06
		20	19	18.89	1.85	18.29	1.90	17.70	1.97	17.36	2.01	17.09	2.04	16.44	2.09
		25	23	20.82	1.89	20.21	1.95	19.50	2.02	19.13	2.06	18.84	2.09	18.13	2.15
		30	28	22.76	1.95	22.05	2.01	21.30	2.07	20.91	2.12	20.59	2.15	19.84	2.21
		35	32	24.69	2.00	23.91	2.07	23.09	2.12	22.68	2.17	22.34	2.21	21.54	2.26
		40	36	25.95	2.06	25.22	2.13	24.42	2.19	23.99	2.23	23.66	2.27	22.80	2.33
		45	41	27.52	2.13	26.87	2.20	26.07	2.27	25.64	2.31	25.29	2.34	24.38	2.41
		47	43	28.15	2.16	27.52	2.23	26.74	2.30	**26.30**	**2.34**	25.95	2.37	25.01	2.44
		50	46	28.24	2.14	27.67	2.21	26.98	2.27	26.59	2.31	26.28	2.33	25.39	2.40
		55	51	28.37	2.12	27.90	2.17	27.39	2.23	27.07	2.25	26.82	2.27	26.03	2.32
		60	56	28.51	2.10	28.14	2.14	27.79	2.18	27.56	2.19	27.37	2.21	26.67	2.24
		63	59	28.59	2.09	28.28	2.12	28.04	2.15	27.85	2.16	27.69	2.17	27.05	2.20
		68	64	28.68	2.07	28.42	2.10	28.28	2.12	28.14	2.13	28.02	2.13	27.44	2.15

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 85: LMU247HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 9 + 9	0	-0.4	11.49	1.65	10.80	1.71	10.82	1.74	10.57	1.75	10.37	1.76	9.93	1.83
		5	4.5	14.09	1.67	13.42	1.73	13.23	1.77	12.95	1.79	12.73	1.81	12.21	1.87
		10	9	15.82	1.70	15.18	1.76	14.85	1.80	14.55	1.83	14.30	1.85	13.74	1.90
		17	15	17.74	1.73	17.12	1.79	16.63	1.84	**16.30**	**1.87**	16.04	1.90	15.42	1.95
		20	19	18.89	1.75	18.29	1.81	17.70	1.87	17.36	1.90	17.09	1.93	16.44	1.98
		25	23	20.82	1.80	20.21	1.85	19.50	1.92	19.13	1.96	18.84	1.99	18.13	2.04
		30	28	22.76	1.85	22.05	1.91	21.30	1.96	20.91	2.01	20.59	2.04	19.84	2.09
		35	32	24.69	1.89	23.91	1.96	23.09	2.01	22.68	2.06	22.34	2.10	21.54	2.15
		40	36	25.95	1.95	25.22	2.02	24.42	2.07	23.99	2.12	23.66	2.15	22.80	2.21
		45	41	27.52	2.02	26.87	2.09	26.07	2.15	25.64	2.19	25.29	2.22	24.38	2.29
		47	43	28.15	2.05	27.52	2.11	26.74	2.18	**26.30**	**2.22**	25.95	2.25	25.01	2.32
		50	46	28.24	2.03	27.67	2.10	26.98	2.16	26.59	2.19	26.28	2.21	25.39	2.27
		55	51	28.37	2.01	27.90	2.06	27.39	2.11	27.07	2.14	26.82	2.15	26.03	2.20
		60	56	28.51	1.99	28.14	2.03	27.79	2.07	27.56	2.08	27.37	2.09	26.67	2.13
		63	59	28.59	1.98	28.28	2.01	28.04	2.04	27.85	2.05	27.69	2.06	27.05	2.08
		68	64	28.68	1.97	28.42	1.99	28.28	2.01	28.14	2.02	28.02	2.02	27.44	2.04
	9 + 9 + 12	0	-0.4	11.49	1.65	10.80	1.71	10.82	1.74	10.57	1.75	10.37	1.76	9.93	1.83
		5	4.5	14.09	1.67	13.42	1.73	13.23	1.77	12.95	1.79	12.73	1.81	12.21	1.87
		10	9	15.82	1.70	15.18	1.76	14.85	1.80	14.55	1.83	14.30	1.85	13.74	1.90
		17	15	17.74	1.73	17.12	1.79	16.63	1.84	**16.30**	**1.87**	16.04	1.90	15.42	1.95
		20	19	18.89	1.75	18.29	1.81	17.70	1.87	17.36	1.90	17.09	1.93	16.44	1.98
		25	23	20.82	1.80	20.21	1.85	19.50	1.92	19.13	1.96	18.84	1.99	18.13	2.04
		30	28	22.76	1.85	22.05	1.91	21.30	1.96	20.91	2.01	20.59	2.04	19.84	2.09
		35	32	24.69	1.89	23.91	1.96	23.09	2.01	22.68	2.06	22.34	2.10	21.54	2.15
		40	36	25.95	1.95	25.22	2.02	24.42	2.07	23.99	2.12	23.66	2.15	22.80	2.21
		45	41	27.52	2.02	26.87	2.09	26.07	2.15	25.64	2.19	25.29	2.22	24.38	2.29
		47	43	28.15	2.05	27.52	2.11	26.74	2.18	**26.30**	**2.22**	25.95	2.25	25.01	2.32
		50	46	28.24	2.03	27.67	2.10	26.98	2.16	26.59	2.19	26.28	2.21	25.39	2.27
		55	51	28.37	2.01	27.90	2.06	27.39	2.11	27.07	2.14	26.82	2.15	26.03	2.20
		60	56	28.51	1.99	28.14	2.03	27.79	2.07	27.56	2.08	27.37	2.09	26.67	2.13
		63	59	28.59	1.98	28.28	2.01	28.04	2.04	27.85	2.05	27.69	2.06	27.05	2.08
		68	64	28.68	1.97	28.42	1.99	28.28	2.01	28.14	2.02	28.02	2.02	27.44	2.04
	9 + 12 + 12	0	-0.4	11.49	1.65	10.80	1.71	10.82	1.74	10.57	1.75	10.37	1.76	9.93	1.83
		5	4.5	14.09	1.67	13.42	1.73	13.23	1.77	12.95	1.79	12.73	1.81	12.21	1.87
		10	9	15.82	1.70	15.18	1.76	14.85	1.80	14.55	1.83	14.30	1.85	13.74	1.90
		17	15	17.74	1.73	17.12	1.79	16.63	1.84	**16.30**	**1.87**	16.04	1.90	15.42	1.95
		20	19	18.89	1.75	18.29	1.81	17.70	1.87	17.36	1.90	17.09	1.93	16.44	1.98
		25	23	20.82	1.80	20.21	1.85	19.50	1.92	19.13	1.96	18.84	1.99	18.13	2.04
		30	28	22.76	1.85	22.05	1.91	21.30	1.96	20.91	2.01	20.59	2.04	19.84	2.09
		35	32	24.69	1.89	23.91	1.96	23.09	2.01	22.68	2.06	22.34	2.10	21.54	2.15
		40	36	25.95	1.95	25.22	2.02	24.42	2.07	23.99	2.12	23.66	2.15	22.80	2.21
		45	41	27.52	2.02	26.87	2.09	26.07	2.15	25.64	2.19	25.29	2.22	24.38	2.29
		47	43	28.15	2.05	27.52	2.11	26.74	2.18	**26.30**	**2.22**	25.95	2.25	25.01	2.32
		50	46	28.24	2.03	27.67	2.10	26.98	2.16	26.59	2.19	26.28	2.21	25.39	2.27
		55	51	28.37	2.01	27.90	2.06	27.39	2.11	27.07	2.14	26.82	2.15	26.03	2.20
		60	56	28.51	1.99	28.14	2.03	27.79	2.07	27.56	2.08	27.37	2.09	26.67	2.13
		63	59	28.59	1.98	28.28	2.01	28.04	2.04	27.85	2.05	27.69	2.06	27.05	2.08
		68	64	28.68	1.97	28.42	1.99	28.28	2.01	28.14	2.02	28.02	2.02	27.44	2.04

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 86: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 9	0	-0.4	9.66	1.37	9.09	1.42	9.09	1.44	8.89	1.45	8.72	1.46	8.35	1.51
		5	4.5	11.58	1.41	11.04	1.46	10.88	1.49	10.65	1.51	10.46	1.52	10.04	1.58
		10	9	12.87	1.46	12.35	1.51	12.07	1.54	11.83	1.57	11.63	1.58	11.17	1.63
		17	15	14.28	1.51	13.79	1.56	13.39	1.61	**13.13**	**1.64**	12.92	1.66	12.42	1.71
		20	19	15.14	1.55	14.66	1.60	14.19	1.66	13.91	1.69	13.70	1.71	13.18	1.76
		25	23	16.57	1.62	16.08	1.67	15.52	1.73	15.23	1.77	14.99	1.80	14.43	1.84
		30	28	18.00	1.70	17.45	1.76	16.85	1.81	16.54	1.85	16.29	1.88	15.69	1.93
		35	32	19.43	1.78	18.82	1.84	18.17	1.89	17.85	1.93	17.59	1.97	16.95	2.01
		40	36	20.42	1.83	19.85	1.89	19.22	1.94	18.89	1.98	18.62	2.02	17.94	2.07
		45	41	21.66	1.89	21.15	1.96	20.52	2.02	20.18	2.05	19.91	2.08	19.19	2.14
		47	43	22.16	1.92	21.66	1.98	21.04	2.04	**20.70**	**2.08**	20.42	2.11	19.68	2.17
		50	46	22.22	1.91	21.77	1.96	21.24	2.02	20.93	2.05	20.68	2.07	19.98	2.13
		55	51	22.33	1.89	21.96	1.93	21.56	1.98	21.31	2.00	21.11	2.02	20.49	2.06
		60	56	22.44	1.87	22.15	1.90	21.88	1.94	21.69	1.95	21.54	1.96	20.99	1.99
		63	59	22.51	1.85	22.26	1.88	22.07	1.91	21.92	1.92	21.80	1.93	21.29	1.95
		68	64	22.57	1.84	22.37	1.87	22.26	1.89	22.15	1.89	22.06	1.90	21.59	1.91
	9 + 12	0	-0.4	11.27	1.67	10.60	1.73	10.61	1.76	10.37	1.77	10.17	1.78	9.74	1.85
		5	4.5	13.51	1.73	12.88	1.79	12.69	1.82	12.42	1.84	12.21	1.86	11.71	1.92
		10	9	15.01	1.78	14.41	1.84	14.09	1.89	13.80	1.91	13.57	1.93	13.04	1.99
		17	15	16.66	1.85	16.08	1.91	15.62	1.97	**15.31**	**2.00**	15.07	2.03	14.49	2.09
		20	19	17.66	1.90	17.10	1.96	16.55	2.02	16.23	2.06	15.98	2.09	15.37	2.15
		25	23	19.33	1.98	18.76	2.04	18.11	2.12	17.76	2.16	17.49	2.19	16.83	2.25
		30	28	21.00	2.08	20.35	2.14	19.65	2.21	19.29	2.26	19.00	2.30	18.31	2.35
		35	32	22.67	2.17	21.95	2.25	21.20	2.30	20.82	2.36	20.52	2.40	19.78	2.46
		40	36	23.83	2.23	23.16	2.31	22.42	2.37	22.03	2.42	21.72	2.46	20.94	2.53
		45	41	25.27	2.31	24.67	2.39	23.94	2.46	23.55	2.51	23.23	2.54	22.38	2.62
		47	43	25.85	2.34	25.27	2.42	24.55	2.50	**24.15**	**2.54**	23.83	2.57	22.96	2.65
		50	46	25.93	2.33	25.40	2.40	24.78	2.47	24.42	2.50	24.13	2.53	23.31	2.60
		55	51	26.05	2.30	25.62	2.36	25.15	2.42	24.86	2.44	24.63	2.47	23.90	2.52
		60	56	26.18	2.28	25.84	2.32	25.52	2.36	25.30	2.38	25.13	2.40	24.49	2.43
		63	59	26.26	2.26	25.97	2.30	25.75	2.33	25.57	2.35	25.43	2.36	24.84	2.38
		68	64	26.33	2.25	26.10	2.28	25.97	2.30	25.84	2.31	25.73	2.32	25.19	2.33
	12 + 12	0	-0.4	12.88	1.70	12.11	1.77	12.12	1.79	11.85	1.81	11.63	1.82	11.13	1.88
		5	4.5	15.44	1.76	14.72	1.82	14.50	1.86	14.20	1.88	13.95	1.90	13.39	1.96
		10	9	17.16	1.81	16.46	1.88	16.10	1.92	15.77	1.95	15.51	1.97	14.90	2.03
		17	15	19.04	1.89	18.38	1.95	17.85	2.01	**17.50**	**2.04**	17.22	2.07	16.56	2.13
		20	19	20.19	1.93	19.54	1.99	18.92	2.06	18.55	2.10	18.26	2.13	17.57	2.19
		25	23	22.09	2.02	21.44	2.08	20.69	2.16	20.30	2.20	19.99	2.24	19.23	2.30
		30	28	24.00	2.12	23.26	2.19	22.46	2.25	22.05	2.30	21.72	2.34	20.92	2.40
		35	32	25.91	2.21	25.09	2.29	24.23	2.35	23.80	2.40	23.45	2.45	22.60	2.51
		40	36	27.23	2.28	26.47	2.35	25.62	2.42	25.18	2.47	24.83	2.51	23.93	2.58
		45	41	28.88	2.36	28.19	2.43	27.36	2.51	26.91	2.56	26.55	2.59	25.58	2.67
		47	43	29.54	2.39	28.88	2.47	28.06	2.55	**27.60**	**2.59**	27.23	2.63	26.24	2.70
		50	46	29.63	2.37	29.03	2.44	28.31	2.52	27.90	2.55	27.58	2.58	26.64	2.65
		55	51	29.78	2.35	29.28	2.41	28.74	2.46	28.41	2.49	28.15	2.51	27.31	2.57
		60	56	29.92	2.32	29.53	2.37	29.17	2.41	28.92	2.43	28.72	2.44	27.98	2.48
		63	59	30.01	2.31	29.68	2.35	29.42	2.38	29.22	2.39	29.06	2.40	28.39	2.43
		68	64	30.09	2.29	29.83	2.32	29.68	2.35	29.53	2.36	29.41	2.36	28.79	2.38

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 87: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Non-Ducted Indoor Units	9 + 18	0	-0.4	14.49	1.90	13.63	1.98	13.64	2.01	13.33	2.02	13.08	2.04	12.52	2.11
		5	4.5	17.37	1.97	16.56	2.04	16.32	2.08	15.97	2.11	15.70	2.12	15.06	2.20
		10	9	19.30	2.03	18.52	2.10	18.11	2.15	17.74	2.18	17.45	2.21	16.76	2.28
		17	15	21.42	2.11	20.68	2.18	20.08	2.25	**19.69**	**2.28**	19.38	2.31	18.63	2.38
		20	19	22.71	2.17	21.99	2.23	21.28	2.31	20.87	2.35	20.54	2.39	19.76	2.45
		25	23	24.85	2.26	24.12	2.33	23.28	2.42	22.84	2.47	22.49	2.50	21.64	2.57
		30	28	27.00	2.37	26.17	2.45	25.27	2.52	24.81	2.58	24.43	2.62	23.54	2.69
		35	32	29.15	2.48	28.22	2.56	27.26	2.63	26.77	2.69	26.38	2.74	25.43	2.81
		40	36	30.64	2.55	29.78	2.64	28.83	2.71	28.33	2.77	27.93	2.81	26.92	2.89
		45	41	32.49	2.64	31.72	2.73	30.78	2.81	30.27	2.86	29.86	2.90	28.78	2.99
		47	43	33.24	2.67	32.49	2.76	31.57	2.85	**31.05**	**2.90**	30.64	2.94	29.52	3.03
		50	46	33.33	2.66	32.66	2.74	31.85	2.82	31.39	2.86	31.02	2.89	29.98	2.97
		55	51	33.50	2.63	32.94	2.69	32.33	2.76	31.96	2.79	31.67	2.81	30.73	2.87
		60	56	33.66	2.60	33.22	2.65	32.81	2.70	32.53	2.72	32.31	2.74	31.48	2.78
		63	59	33.76	2.58	33.39	2.63	33.10	2.67	32.87	2.68	32.69	2.69	31.93	2.72
		68	64	33.86	2.57	33.56	2.60	33.39	2.63	33.22	2.64	33.08	2.64	32.39	2.67
	12 + 18	0	-0.4	16.10	2.11	15.14	2.19	15.16	2.23	14.81	2.25	14.53	2.26	13.92	2.34
		5	4.5	19.30	2.19	18.40	2.27	18.13	2.31	17.75	2.34	17.44	2.36	16.73	2.44
		10	9	21.45	2.25	20.58	2.33	20.12	2.39	19.71	2.42	19.39	2.45	18.62	2.53
		17	15	23.81	2.35	22.98	2.42	22.32	2.49	**21.88**	**2.54**	21.53	2.57	20.70	2.64
		20	19	25.23	2.41	24.43	2.48	23.64	2.56	23.19	2.61	22.83	2.65	21.96	2.72
		25	23	27.62	2.51	26.80	2.59	25.86	2.68	25.38	2.74	24.98	2.78	24.04	2.85
		30	28	30.00	2.63	29.08	2.72	28.08	2.80	27.56	2.86	27.15	2.91	26.15	2.99
		35	32	32.39	2.75	31.36	2.85	30.29	2.92	29.75	2.99	29.31	3.04	28.25	3.12
		40	36	34.04	2.83	33.08	2.93	32.03	3.01	31.48	3.07	31.03	3.12	29.91	3.21
		45	41	36.10	2.93	35.24	3.03	34.20	3.12	33.64	3.18	33.18	3.22	31.98	3.32
		47	43	36.93	2.97	36.10	3.07	35.07	3.17	**34.50**	**3.22**	34.04	3.26	32.80	3.36
		50	46	37.04	2.95	36.29	3.04	35.39	3.13	34.88	3.17	34.47	3.21	33.31	3.30
		55	51	37.22	2.92	36.60	2.99	35.93	3.06	35.51	3.10	35.18	3.12	34.14	3.19
		60	56	37.40	2.89	36.91	2.94	36.46	3.00	36.15	3.02	35.90	3.04	34.98	3.09
		63	59	37.51	2.87	37.10	2.92	36.78	2.96	36.53	2.97	36.33	2.99	35.48	3.02
		68	64	37.62	2.85	37.29	2.89	37.10	2.92	36.91	2.93	36.76	2.94	35.99	2.96
	18 + 18	0	-0.4	17.73	2.32	16.68	2.41	16.69	2.44	16.31	2.46	16.01	2.48	15.33	2.57
		5	4.5	21.26	2.40	20.27	2.48	19.97	2.54	19.55	2.56	19.21	2.59	18.43	2.67
		10	9	23.62	2.47	22.67	2.56	22.17	2.62	21.71	2.66	21.35	2.69	20.51	2.77
		17	15	26.22	2.57	25.31	2.65	24.58	2.74	**24.10**	**2.78**	23.71	2.82	22.80	2.90
		20	19	27.79	2.64	26.91	2.72	26.04	2.81	25.54	2.86	25.14	2.90	24.19	2.99
		25	23	30.42	2.75	29.52	2.83	28.49	2.94	27.95	3.00	27.52	3.05	26.48	3.13
		30	28	33.05	2.88	32.03	2.98	30.93	3.07	30.36	3.14	29.90	3.19	28.80	3.27
		35	32	35.68	3.01	34.54	3.12	33.36	3.20	32.77	3.28	32.29	3.34	31.12	3.42
		40	36	37.50	3.10	36.44	3.21	35.28	3.30	34.67	3.37	34.18	3.42	32.94	3.51
		45	41	39.77	3.21	38.82	3.32	37.67	3.42	37.05	3.48	36.55	3.53	35.22	3.64
		47	43	40.68	3.26	39.77	3.36	38.63	3.47	**38.00**	**3.53**	37.50	3.58	36.13	3.69
		50	46	40.80	3.23	39.97	3.33	38.98	3.43	38.42	3.48	37.97	3.52	36.68	3.62
		55	51	41.00	3.20	40.32	3.28	39.57	3.36	39.12	3.40	38.75	3.43	37.61	3.50
		60	56	41.19	3.17	40.66	3.23	40.16	3.29	39.81	3.31	39.54	3.33	38.53	3.38
		63	59	41.31	3.15	40.86	3.20	40.51	3.24	40.23	3.26	40.01	3.27	39.08	3.31
		68	64	41.43	3.13	41.07	3.17	40.87	3.20	40.66	3.21	40.49	3.22	39.64	3.24

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 88: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	9 + 9 + 9	0	-0.4	14.49	1.90	13.63	1.98	13.64	2.01	13.33	2.02	13.08	2.04	12.52	2.11
		5	4.5	17.37	1.97	16.56	2.04	16.32	2.08	15.97	2.11	15.70	2.12	15.06	2.20
		10	9	19.30	2.03	18.52	2.10	18.11	2.15	17.74	2.18	17.45	2.21	16.76	2.28
		17	15	21.42	2.11	20.68	2.18	20.08	2.25	**19.69**	**2.28**	19.38	2.31	18.63	2.38
		20	19	22.71	2.17	21.99	2.23	21.28	2.31	20.87	2.35	20.54	2.39	19.76	2.45
		25	23	24.85	2.26	24.12	2.33	23.28	2.42	22.84	2.47	22.49	2.50	21.64	2.57
		30	28	27.00	2.37	26.17	2.45	25.27	2.52	24.81	2.58	24.43	2.62	23.54	2.69
		35	32	29.15	2.48	28.22	2.56	27.26	2.63	26.77	2.69	26.38	2.74	25.43	2.81
		40	36	30.64	2.55	29.78	2.64	28.83	2.71	28.33	2.77	27.93	2.81	26.92	2.89
		45	41	32.49	2.64	31.72	2.73	30.78	2.81	30.27	2.86	29.86	2.90	28.78	2.99
		47	43	33.24	2.67	32.49	2.76	31.57	2.85	**31.05**	**2.90**	30.64	2.94	29.52	3.03
		50	46	33.33	2.66	32.66	2.74	31.85	2.82	31.39	2.86	31.02	2.89	29.98	2.97
		55	51	33.50	2.63	32.94	2.69	32.33	2.76	31.96	2.79	31.67	2.81	30.73	2.87
		60	56	33.66	2.60	33.22	2.65	32.81	2.70	32.53	2.72	32.31	2.74	31.48	2.78
		63	59	33.76	2.58	33.39	2.63	33.10	2.67	32.87	2.68	32.69	2.69	31.93	2.72
		68	64	33.86	2.57	33.56	2.60	33.39	2.63	33.22	2.64	33.08	2.64	32.39	2.67
	9 + 9 + 12	0	-0.4	16.10	2.11	15.14	2.19	15.16	2.23	14.81	2.25	14.53	2.26	13.92	2.34
		5	4.5	19.30	2.19	18.40	2.27	18.13	2.31	17.75	2.34	17.44	2.36	16.73	2.44
		10	9	21.45	2.25	20.58	2.33	20.12	2.39	19.71	2.42	19.39	2.45	18.62	2.53
		17	15	23.81	2.35	22.98	2.42	22.32	2.49	**21.88**	**2.54**	21.53	2.57	20.70	2.64
		20	19	25.23	2.41	24.43	2.48	23.64	2.56	23.19	2.61	22.83	2.65	21.96	2.72
		25	23	27.62	2.51	26.80	2.59	25.86	2.68	25.38	2.74	24.98	2.78	24.04	2.85
		30	28	30.00	2.63	29.08	2.72	28.08	2.80	27.56	2.86	27.15	2.91	26.15	2.99
		35	32	32.39	2.75	31.36	2.85	30.29	2.92	29.75	2.99	29.31	3.04	28.25	3.12
		40	36	34.04	2.83	33.08	2.93	32.03	3.01	31.48	3.07	31.03	3.12	29.91	3.21
		45	41	36.10	2.93	35.24	3.03	34.20	3.12	33.64	3.18	33.18	3.22	31.98	3.32
		47	43	36.93	2.97	36.10	3.07	35.07	3.17	**34.50**	**3.22**	34.04	3.26	32.80	3.36
		50	46	37.04	2.95	36.29	3.04	35.39	3.13	34.88	3.17	34.47	3.21	33.31	3.30
		55	51	37.22	2.92	36.60	2.99	35.93	3.06	35.51	3.10	35.18	3.12	34.14	3.19
		60	56	37.40	2.89	36.91	2.94	36.46	3.00	36.15	3.02	35.90	3.04	34.98	3.09
		63	59	37.51	2.87	37.10	2.92	36.78	2.96	36.53	2.97	36.33	2.99	35.48	3.02
		68	64	37.62	2.85	37.29	2.89	37.10	2.92	36.91	2.93	36.76	2.94	35.99	2.96
	9 + 12 + 12	0	-0.4	17.71	2.23	16.66	2.32	16.67	2.35	16.29	2.37	15.98	2.39	15.31	2.47
		5	4.5	21.23	2.31	20.24	2.39	19.94	2.44	19.52	2.47	19.18	2.49	18.41	2.57
		10	9	23.59	2.38	22.64	2.46	22.14	2.52	21.69	2.56	21.32	2.59	20.49	2.67
		17	15	26.19	2.48	25.27	2.56	24.55	2.63	**24.07**	**2.68**	23.68	2.71	22.77	2.79
		20	19	27.76	2.54	26.87	2.62	26.01	2.71	25.51	2.76	25.11	2.80	24.15	2.88
		25	23	30.38	2.65	29.48	2.73	28.45	2.83	27.91	2.89	27.48	2.94	26.45	3.01
		30	28	33.00	2.78	31.98	2.87	30.88	2.96	30.32	3.02	29.86	3.07	28.77	3.15
		35	32	35.63	2.90	34.50	3.01	33.32	3.08	32.72	3.16	32.24	3.21	31.08	3.29
		40	36	37.45	2.99	36.39	3.09	35.23	3.18	34.62	3.24	34.13	3.30	32.90	3.38
		45	41	39.72	3.09	38.77	3.20	37.62	3.30	37.00	3.36	36.50	3.40	35.17	3.50
		47	43	40.62	3.14	39.72	3.24	38.58	3.34	**37.95**	**3.40**	37.45	3.45	36.08	3.55
		50	46	40.74	3.12	39.92	3.21	38.93	3.30	38.37	3.35	37.92	3.39	36.64	3.48
		55	51	40.94	3.08	40.26	3.16	39.52	3.23	39.07	3.27	38.70	3.30	37.56	3.37
		60	56	41.14	3.05	40.60	3.11	40.11	3.17	39.76	3.19	39.49	3.21	38.48	3.26
		63	59	41.26	3.03	40.81	3.08	40.46	3.12	40.18	3.14	39.96	3.15	39.03	3.19
		68	64	41.38	3.01	41.02	3.05	40.81	3.08	40.60	3.09	40.44	3.10	39.59	3.13

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 89: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	12 + 12 + 12	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 9 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 12 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 90: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Non-Ducted Indoor Units	12 + 12 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 18 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	12 + 18 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 91: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	9 + 9 + 9 + 9	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 9 + 9 + 12	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 9 + 12 + 12	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 92: LMU369HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
				61		64		68		70		72		75	
		°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	9 + 12 + 12 + 12	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 9 + 9 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
	9 + 9 + 12 + 18	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 93: LMU369HV Heating Capacity Table — Non-Ducted Indoor Unit (continued) / Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Non-Ducted Indoor Units	12 + 12 + 12 + 12	0	-0.4	19.13	2.35	18.00	2.44	18.01	2.48	17.60	2.50	17.27	2.51	16.54	2.60
		5	4.5	22.94	2.43	21.87	2.52	21.55	2.57	21.09	2.60	20.72	2.62	19.89	2.71
		10	9	25.49	2.51	24.46	2.59	23.92	2.66	23.43	2.69	23.04	2.72	22.13	2.81
		17	15	28.29	2.61	27.31	2.69	26.52	2.77	**26.00**	**2.82**	25.58	2.86	24.60	2.94
		20	19	29.99	2.67	29.03	2.76	28.10	2.85	27.56	2.90	27.13	2.95	26.10	3.03
		25	23	32.82	2.79	31.85	2.87	30.74	2.98	30.16	3.04	29.69	3.09	28.57	3.17
		30	28	35.66	2.92	34.55	3.02	33.37	3.11	32.75	3.18	32.26	3.24	31.08	3.32
		35	32	38.49	3.06	37.27	3.16	36.00	3.25	35.35	3.32	34.83	3.38	33.58	3.46
		40	36	40.46	3.14	39.32	3.25	38.07	3.35	37.41	3.42	36.88	3.47	35.54	3.56
		45	41	42.91	3.26	41.88	3.37	40.65	3.47	39.97	3.53	39.43	3.58	38.00	3.69
		47	43	43.89	3.30	42.91	3.41	41.68	3.52	**41.00**	**3.58**	40.46	3.63	38.98	3.74
		50	46	44.02	3.28	43.13	3.38	42.06	3.48	41.45	3.53	40.96	3.57	39.58	3.67
		55	51	44.23	3.25	43.50	3.33	42.69	3.40	42.20	3.44	41.81	3.47	40.58	3.55
		60	56	44.45	3.21	43.87	3.27	43.33	3.33	42.96	3.36	42.66	3.38	41.57	3.43
		63	59	44.58	3.19	44.09	3.24	43.71	3.29	43.41	3.31	43.17	3.32	42.17	3.36
		68	64	44.70	3.17	44.31	3.21	44.09	3.25	43.87	3.26	43.69	3.26	42.77	3.29
Two (2) Ducted Indoor Units	9 + 9	0	-0.4	11.12	1.52	10.48	1.58	10.46	1.61	10.23	1.62	10.04	1.63	9.62	1.69
		5	4.5	12.75	1.56	12.17	1.62	11.98	1.65	11.73	1.67	11.52	1.68	11.06	1.74
		10	9	13.85	1.59	13.29	1.65	12.99	1.69	12.73	1.71	12.52	1.73	12.03	1.79
		17	15	15.05	1.64	14.53	1.69	14.11	1.74	**13.83**	**1.77**	13.61	1.80	13.09	1.85
		20	19	15.78	1.67	15.28	1.72	14.79	1.78	14.50	1.81	14.28	1.84	13.73	1.89
		25	23	17.00	1.73	16.49	1.78	15.92	1.84	15.62	1.88	15.38	1.91	14.80	1.96
		30	28	18.22	1.79	17.65	1.85	17.05	1.91	16.73	1.95	16.48	1.98	15.88	2.03
		35	32	19.43	1.85	18.82	1.92	18.17	1.97	17.85	2.01	17.59	2.05	16.95	2.10
		40	36	20.42	1.91	19.85	1.97	19.22	2.03	18.89	2.07	18.62	2.10	17.94	2.16
		45	41	21.66	1.97	21.15	2.04	20.52	2.10	20.18	2.14	19.91	2.17	19.19	2.24
		47	43	22.16	2.00	21.66	2.07	21.04	2.13	**20.70**	**2.17**	20.42	2.20	19.68	2.27
		50	46	22.22	1.99	21.77	2.05	21.24	2.11	20.93	2.14	20.68	2.16	19.98	2.22
		55	51	22.33	1.97	21.96	2.02	21.56	2.06	21.31	2.09	21.11	2.11	20.49	2.15
		60	56	22.44	1.95	22.15	1.98	21.88	2.02	21.69	2.04	21.54	2.05	20.99	2.08
		63	59	22.51	1.93	22.26	1.96	22.07	1.99	21.92	2.00	21.80	2.01	21.29	2.04
		68	64	22.57	1.92	22.37	1.95	22.26	1.97	22.15	1.97	22.06	1.98	21.59	1.99
	9 + 12	0	-0.4	12.97	1.80	12.23	1.86	12.21	1.89	11.93	1.91	11.71	1.92	11.22	1.99
		5	4.5	14.88	1.84	14.19	1.91	13.98	1.95	13.68	1.97	13.44	1.99	12.90	2.05
		10	9	16.16	1.88	15.51	1.94	15.16	1.99	14.85	2.02	14.60	2.04	14.03	2.11
		17	15	17.56	1.93	16.95	2.00	16.46	2.06	**16.14**	**2.09**	15.88	2.12	15.27	2.18
		20	19	18.41	1.97	17.83	2.03	17.25	2.10	16.92	2.14	16.65	2.17	16.02	2.23
		25	23	19.83	2.04	19.24	2.10	18.57	2.17	18.22	2.22	17.94	2.25	17.26	2.31
		30	28	21.25	2.11	20.59	2.18	19.89	2.25	19.52	2.30	19.23	2.34	18.52	2.40
		35	32	22.67	2.18	21.95	2.26	21.20	2.32	20.82	2.38	20.52	2.42	19.78	2.48
		40	36	23.83	2.25	23.16	2.33	22.42	2.39	22.03	2.44	21.72	2.48	20.94	2.55
		45	41	25.27	2.33	24.67	2.41	23.94	2.48	23.55	2.53	23.23	2.56	22.38	2.64
		47	43	25.85	2.36	25.27	2.44	24.55	2.52	**24.15**	**2.56**	23.83	2.59	22.96	2.67
		50	46	25.93	2.35	25.40	2.42	24.78	2.49	24.42	2.52	24.13	2.55	23.31	2.62
		55	51	26.05	2.32	25.62	2.38	25.15	2.43	24.86	2.46	24.63	2.48	23.90	2.54
		60	56	26.18	2.30	25.84	2.34	25.52	2.38	25.30	2.40	25.13	2.42	24.49	2.45
		63	59	26.26	2.28	25.97	2.32	25.75	2.35	25.57	2.36	25.43	2.37	24.84	2.40
		68	64	26.33	2.27	26.10	2.30	25.97	2.32	25.84	2.33	25.73	2.33	25.19	2.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 94: LMU369HV Heating Capacity Table — Ducted Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	12 + 12	0	-0.4	14.83	1.89	13.98	1.96	13.95	1.99	13.64	2.01	13.38	2.02	12.82	2.09
		5	4.5	17.01	1.93	16.22	2.00	15.97	2.04	15.63	2.07	15.36	2.09	14.75	2.16
		10	9	18.46	1.98	17.72	2.04	17.33	2.10	16.97	2.12	16.69	2.15	16.03	2.21
		17	15	20.07	2.03	19.37	2.10	18.81	2.16	**18.44**	**2.20**	18.15	2.23	17.45	2.29
		20	19	21.04	2.07	20.37	2.13	19.72	2.21	19.34	2.25	19.03	2.28	18.31	2.34
		25	23	22.66	2.14	21.99	2.20	21.23	2.28	20.82	2.33	20.50	2.37	19.73	2.43
		30	28	24.29	2.22	23.54	2.29	22.73	2.36	22.31	2.41	21.98	2.46	21.17	2.52
		35	32	25.91	2.30	25.09	2.38	24.23	2.44	23.80	2.50	23.45	2.54	22.60	2.60
		40	36	27.23	2.36	26.47	2.45	25.62	2.51	25.18	2.57	24.83	2.61	23.93	2.68
		45	41	28.88	2.45	28.19	2.53	27.36	2.61	26.91	2.65	26.55	2.69	25.58	2.77
		47	43	29.54	2.48	28.88	2.56	28.06	2.64	**27.60**	**2.69**	27.23	2.73	26.24	2.81
		50	46	29.63	2.46	29.03	2.54	28.31	2.61	27.90	2.65	27.58	2.68	26.64	2.76
		55	51	29.78	2.44	29.28	2.50	28.74	2.56	28.41	2.59	28.15	2.61	27.31	2.67
		60	56	29.92	2.41	29.53	2.46	29.17	2.50	28.92	2.52	28.72	2.54	27.98	2.58
		63	59	30.01	2.40	29.68	2.44	29.42	2.47	29.22	2.48	29.06	2.49	28.39	2.52
		68	64	30.09	2.38	29.83	2.41	29.68	2.44	29.53	2.45	29.41	2.45	28.79	2.47
	9 + 18	0	-0.4	16.68	2.12	15.73	2.20	15.69	2.23	15.34	2.25	15.06	2.27	14.42	2.35
		5	4.5	19.13	2.17	18.25	2.25	17.97	2.30	17.59	2.32	17.29	2.34	16.59	2.42
		10	9	20.77	2.22	19.94	2.29	19.49	2.35	19.09	2.38	18.78	2.41	18.04	2.49
		17	15	22.58	2.28	21.79	2.35	21.17	2.43	**20.75**	**2.47**	20.42	2.50	19.63	2.57
		20	19	23.67	2.32	22.92	2.40	22.18	2.48	21.75	2.52	21.41	2.56	20.60	2.63
		25	23	25.49	2.40	24.74	2.47	23.88	2.56	23.43	2.62	23.07	2.66	22.20	2.73
		30	28	27.32	2.49	26.48	2.57	25.57	2.65	25.10	2.71	24.72	2.76	23.82	2.83
		35	32	29.15	2.58	28.22	2.67	27.26	2.74	26.77	2.80	26.38	2.85	25.43	2.92
		40	36	30.64	2.65	29.78	2.74	28.83	2.82	28.33	2.88	27.93	2.93	26.92	3.01
		45	41	32.49	2.75	31.72	2.84	30.78	2.93	30.27	2.98	29.86	3.02	28.78	3.11
		47	43	33.24	2.78	32.49	2.88	31.57	2.97	**31.05**	**3.02**	30.64	3.06	29.52	3.15
		50	46	33.33	2.77	32.66	2.85	31.85	2.93	31.39	2.98	31.02	3.01	29.98	3.09
		55	51	33.50	2.74	32.94	2.81	32.33	2.87	31.96	2.90	31.67	2.93	30.73	2.99
		60	56	33.66	2.71	33.22	2.76	32.81	2.81	32.53	2.83	32.31	2.85	31.48	2.89
		63	59	33.76	2.69	33.39	2.73	33.10	2.78	32.87	2.79	32.69	2.80	31.93	2.83
		68	64	33.86	2.67	33.56	2.71	33.39	2.74	33.22	2.75	33.08	2.75	32.39	2.78
	12 + 18	0	-0.4	18.53	2.35	17.47	2.44	17.44	2.48	17.05	2.50	16.73	2.52	16.03	2.61
		5	4.5	21.26	2.41	20.28	2.49	19.96	2.55	19.54	2.58	19.21	2.60	18.43	2.69
		10	9	23.08	2.46	22.15	2.54	21.66	2.61	21.22	2.64	20.86	2.67	20.04	2.76
		17	15	25.09	2.53	24.21	2.61	23.52	2.69	**23.06**	**2.74**	22.69	2.77	21.81	2.85
		20	19	26.30	2.58	25.46	2.66	24.64	2.75	24.17	2.80	23.79	2.84	22.89	2.92
		25	23	28.33	2.66	27.49	2.74	26.53	2.85	26.03	2.90	25.63	2.95	24.66	3.03
		30	28	30.36	2.76	29.42	2.85	28.41	2.94	27.89	3.01	27.47	3.06	26.46	3.13
		35	32	32.39	2.86	31.36	2.96	30.29	3.04	29.75	3.11	29.31	3.17	28.25	3.24
		40	36	34.04	2.94	33.08	3.04	32.03	3.13	31.48	3.20	31.03	3.25	29.91	3.34
		45	41	36.10	3.05	35.24	3.15	34.20	3.25	33.64	3.31	33.18	3.35	31.98	3.45
		47	43	36.93	3.09	36.10	3.19	35.07	3.29	**34.50**	**3.35**	34.04	3.40	32.80	3.50
		50	46	37.04	3.07	36.29	3.16	35.39	3.25	34.88	3.30	34.47	3.34	33.31	3.43
		55	51	37.22	3.04	36.60	3.11	35.93	3.19	35.51	3.22	35.18	3.25	34.14	3.32
		60	56	37.40	3.00	36.91	3.06	36.46	3.12	36.15	3.14	35.90	3.16	34.98	3.21
		63	59	37.51	2.99	37.10	3.03	36.78	3.08	36.53	3.09	36.33	3.11	35.48	3.14
		68	64	37.62	2.97	37.29	3.00	37.10	3.04	36.91	3.05	36.76	3.05	35.99	3.08

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 95: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Ducted Indoor Units	18 + 18	0	-0.4	19.34	2.45	18.23	2.54	18.20	2.58	17.79	2.60	17.46	2.62	16.72	2.72
		5	4.5	22.18	2.51	21.16	2.60	20.83	2.65	20.39	2.68	20.04	2.71	19.23	2.80
		10	9	24.08	2.56	23.11	2.65	22.60	2.72	22.14	2.76	21.77	2.79	20.91	2.87
		17	15	26.18	2.64	25.27	2.72	24.54	2.81	**24.06**	**2.85**	23.67	2.89	22.76	2.97
		20	19	27.45	2.69	26.57	2.77	25.72	2.86	25.22	2.92	24.83	2.96	23.88	3.04
		25	23	29.56	2.78	28.68	2.86	27.69	2.96	27.16	3.02	26.74	3.07	25.74	3.15
		30	28	31.68	2.88	30.70	2.97	29.65	3.06	29.10	3.13	28.67	3.19	27.61	3.27
		35	32	33.80	2.98	32.72	3.09	31.61	3.16	31.04	3.24	30.59	3.30	29.48	3.38
		40	36	35.52	3.07	34.52	3.17	33.42	3.26	32.84	3.33	32.38	3.38	31.21	3.47
		45	41	37.67	3.17	36.77	3.28	35.69	3.38	35.10	3.44	34.62	3.49	33.37	3.60
		47	43	38.54	3.22	37.67	3.32	36.60	3.43	**36.00**	**3.49**	35.52	3.54	34.23	3.64
		50	46	38.65	3.20	37.87	3.29	36.93	3.39	36.40	3.44	35.97	3.48	34.75	3.57
		55	51	38.84	3.16	38.19	3.24	37.49	3.32	37.06	3.36	36.71	3.39	35.63	3.46
		60	56	39.03	3.13	38.52	3.19	38.04	3.25	37.72	3.27	37.46	3.29	36.50	3.34
		63	59	39.14	3.11	38.71	3.16	38.38	3.21	38.12	3.22	37.91	3.24	37.02	3.28
		68	64	39.25	3.09	38.91	3.13	38.71	3.17	38.52	3.17	38.36	3.18	37.56	3.21
	24 + 9	0	-0.4	20.41	2.58	19.25	2.68	19.21	2.72	18.77	2.75	18.43	2.76	17.65	2.86
		5	4.5	23.41	2.64	22.33	2.74	21.99	2.80	21.53	2.83	21.15	2.85	20.30	2.95
		10	9	25.42	2.70	24.40	2.80	23.85	2.87	23.37	2.91	22.98	2.94	22.08	3.03
		17	15	27.63	2.78	26.67	2.87	25.90	2.96	**25.40**	**3.01**	24.99	3.05	24.03	3.14
		20	19	28.97	2.83	28.05	2.92	27.15	3.02	26.62	3.08	26.21	3.12	25.21	3.21
		25	23	31.20	2.93	30.28	3.01	29.22	3.13	28.67	3.19	28.23	3.24	27.17	3.32
		30	28	33.44	3.03	32.41	3.13	31.29	3.23	30.72	3.30	30.26	3.36	29.15	3.44
		35	32	35.68	3.14	34.54	3.25	33.36	3.34	32.77	3.42	32.29	3.48	31.12	3.56
		40	36	37.50	3.23	36.44	3.34	35.28	3.44	34.67	3.51	34.18	3.57	32.94	3.66
		45	41	39.77	3.35	38.82	3.46	37.67	3.57	37.05	3.63	36.55	3.68	35.22	3.79
		47	43	40.68	3.39	39.77	3.51	38.63	3.62	**38.00**	**3.68**	37.50	3.73	36.13	3.84
		50	46	40.80	3.37	39.97	3.47	38.98	3.57	38.42	3.63	37.97	3.67	36.68	3.77
		55	51	41.00	3.34	40.32	3.42	39.57	3.50	39.12	3.54	38.75	3.57	37.61	3.65
		60	56	41.19	3.30	40.66	3.36	40.16	3.43	39.81	3.45	39.54	3.47	38.53	3.53
		63	59	41.31	3.28	40.86	3.33	40.51	3.38	40.23	3.40	40.01	3.41	39.08	3.45
		68	64	41.43	3.26	41.07	3.30	40.87	3.34	40.66	3.35	40.49	3.35	39.64	3.38
	24 + 12	0	-0.4	20.41	2.58	19.25	2.68	19.21	2.72	18.77	2.75	18.43	2.76	17.65	2.86
		5	4.5	23.41	2.64	22.33	2.74	21.99	2.80	21.53	2.83	21.15	2.85	20.30	2.95
		10	9	25.42	2.70	24.40	2.80	23.85	2.87	23.37	2.91	22.98	2.94	22.08	3.03
		17	15	27.63	2.78	26.67	2.87	25.90	2.96	**25.40**	**3.01**	24.99	3.05	24.03	3.14
		20	19	28.97	2.83	28.05	2.92	27.15	3.02	26.62	3.08	26.21	3.12	25.21	3.21
		25	23	31.20	2.93	30.28	3.01	29.22	3.13	28.67	3.19	28.23	3.24	27.17	3.32
		30	28	33.44	3.03	32.41	3.13	31.29	3.23	30.72	3.30	30.26	3.36	29.15	3.44
		35	32	35.68	3.14	34.54	3.25	33.36	3.34	32.77	3.42	32.29	3.48	31.12	3.56
		40	36	37.50	3.23	36.44	3.34	35.28	3.44	34.67	3.51	34.18	3.57	32.94	3.66
		45	41	39.77	3.35	38.82	3.46	37.67	3.57	37.05	3.63	36.55	3.68	35.22	3.79
		47	43	40.68	3.39	39.77	3.51	38.63	3.62	**38.00**	**3.68**	37.50	3.73	36.13	3.84
		50	46	40.80	3.37	39.97	3.47	38.98	3.57	38.42	3.63	37.97	3.67	36.68	3.77
		55	51	41.00	3.34	40.32	3.42	39.57	3.50	39.12	3.54	38.75	3.57	37.61	3.65
		60	56	41.19	3.30	40.66	3.36	40.16	3.43	39.81	3.45	39.54	3.47	38.53	3.53
		63	59	41.31	3.28	40.86	3.33	40.51	3.38	40.23	3.40	40.01	3.41	39.08	3.45
		68	64	41.43	3.26	41.07	3.30	40.87	3.34	40.66	3.35	40.49	3.35	39.64	3.38

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 96: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	9 + 9 + 9	0	-0.4	16.68	2.12	15.73	2.20	15.69	2.23	15.34	2.25	15.06	2.27	14.42	2.35
		5	4.5	19.13	2.17	18.25	2.25	17.97	2.30	17.59	2.32	17.29	2.34	16.59	2.42
		10	9	20.77	2.22	19.94	2.29	19.49	2.35	19.09	2.38	18.78	2.41	18.04	2.49
		17	15	22.58	2.28	21.79	2.35	21.17	2.43	**20.75**	**2.47**	20.42	2.50	19.63	2.57
		20	19	23.67	2.32	22.92	2.40	22.18	2.48	21.75	2.52	21.41	2.56	20.60	2.63
		25	23	25.49	2.40	24.74	2.47	23.88	2.56	23.43	2.62	23.07	2.66	22.20	2.73
		30	28	27.32	2.49	26.48	2.57	25.57	2.65	25.10	2.71	24.72	2.76	23.82	2.83
		35	32	29.15	2.58	28.22	2.67	27.26	2.74	26.77	2.80	26.38	2.85	25.43	2.92
		40	36	30.64	2.65	29.78	2.74	28.83	2.82	28.33	2.88	27.93	2.93	26.92	3.01
		45	41	32.49	2.75	31.72	2.84	30.78	2.93	30.27	2.98	29.86	3.02	28.78	3.11
		47	43	33.24	2.78	32.49	2.88	31.57	2.97	**31.05**	**3.02**	30.64	3.06	29.52	3.15
		50	46	33.33	2.77	32.66	2.85	31.85	2.93	31.39	2.98	31.02	3.01	29.98	3.09
		55	51	33.50	2.74	32.94	2.81	32.33	2.87	31.96	2.90	31.67	2.93	30.73	2.99
		60	56	33.66	2.71	33.22	2.76	32.81	2.81	32.53	2.83	32.31	2.85	31.48	2.89
		63	59	33.76	2.69	33.39	2.73	33.10	2.78	32.87	2.79	32.69	2.80	31.93	2.83
		68	64	33.86	2.67	33.56	2.71	33.39	2.74	33.22	2.75	33.08	2.75	32.39	2.78
	9 + 9 + 12	0	-0.4	18.53	2.35	17.47	2.44	17.44	2.48	17.05	2.50	16.73	2.52	16.03	2.61
		5	4.5	21.26	2.41	20.28	2.49	19.96	2.55	19.54	2.58	19.21	2.60	18.43	2.69
		10	9	23.08	2.46	22.15	2.54	21.66	2.61	21.22	2.64	20.86	2.67	20.04	2.76
		17	15	25.09	2.53	24.21	2.61	23.52	2.69	**23.06**	**2.74**	22.69	2.77	21.81	2.85
		20	19	26.30	2.58	25.46	2.66	24.64	2.75	24.17	2.80	23.79	2.84	22.89	2.92
		25	23	28.33	2.66	27.49	2.74	26.53	2.85	26.03	2.90	25.63	2.95	24.66	3.03
		30	28	30.36	2.76	29.42	2.85	28.41	2.94	27.89	3.01	27.47	3.06	26.46	3.13
		35	32	32.39	2.86	31.36	2.96	30.29	3.04	29.75	3.11	29.31	3.17	28.25	3.24
		40	36	34.04	2.94	33.08	3.04	32.03	3.13	31.48	3.20	31.03	3.25	29.91	3.34
		45	41	36.10	3.05	35.24	3.15	34.20	3.25	33.64	3.31	33.18	3.35	31.98	3.45
		47	43	36.93	3.09	36.10	3.19	35.07	3.29	**34.50**	**3.35**	34.04	3.40	32.80	3.50
		50	46	37.04	3.07	36.29	3.16	35.39	3.25	34.88	3.30	34.47	3.34	33.31	3.43
		55	51	37.22	3.04	36.60	3.11	35.93	3.19	35.51	3.22	35.18	3.25	34.14	3.32
		60	56	37.40	3.00	36.91	3.06	36.46	3.12	36.15	3.14	35.90	3.16	34.98	3.21
		63	59	37.51	2.99	37.10	3.03	36.78	3.08	36.53	3.09	36.33	3.11	35.48	3.14
		68	64	37.62	2.97	37.29	3.00	37.10	3.04	36.91	3.05	36.76	3.05	35.99	3.08
	9 + 12 + 12	0	-0.4	20.39	2.49	19.22	2.59	19.18	2.63	18.75	2.65	18.40	2.67	17.63	2.76
		5	4.5	23.38	2.55	22.30	2.64	21.96	2.70	21.50	2.73	21.13	2.75	20.28	2.85
		10	9	25.39	2.61	24.37	2.70	23.82	2.76	23.34	2.80	22.95	2.83	22.05	2.92
		17	15	27.60	2.68	26.64	2.77	25.87	2.85	**25.36**	**2.90**	24.96	2.94	24.00	3.02
		20	19	28.93	2.73	28.01	2.82	27.11	2.91	26.59	2.97	26.17	3.01	25.18	3.09
		25	23	31.16	2.82	30.24	2.91	29.19	3.02	28.63	3.08	28.19	3.12	27.13	3.21
		30	28	33.40	2.93	32.36	3.02	31.25	3.12	30.68	3.19	30.22	3.24	29.11	3.32
		35	32	35.63	3.03	34.50	3.14	33.32	3.22	32.72	3.29	32.24	3.35	31.08	3.44
		40	36	37.45	3.12	36.39	3.23	35.23	3.32	34.62	3.39	34.13	3.44	32.90	3.53
		45	41	39.72	3.23	38.77	3.34	37.62	3.44	37.00	3.50	36.50	3.55	35.17	3.66
		47	43	40.62	3.27	39.72	3.38	38.58	3.49	**37.95**	**3.55**	37.45	3.60	36.08	3.71
		50	46	40.74	3.25	39.92	3.35	38.93	3.45	38.37	3.50	37.92	3.54	36.64	3.64
		55	51	40.94	3.22	40.26	3.30	39.52	3.38	39.07	3.41	38.70	3.45	37.56	3.52
		60	56	41.14	3.18	40.60	3.25	40.11	3.31	39.76	3.33	39.49	3.35	38.48	3.40
		63	59	41.26	3.16	40.81	3.21	40.46	3.26	40.18	3.28	39.96	3.29	39.03	3.33
		68	64	41.38	3.14	41.02	3.18	40.81	3.22	40.60	3.23	40.44	3.24	39.59	3.26

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 97: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	12 + 12 + 12	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 9 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 12 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 98: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Ducted Indoor Units	12 + 12 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 18 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	12 + 18 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 99: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	9 + 9 + 9 + 9	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 9 + 9 + 12	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 9 + 12 + 12	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 100: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	9 + 12 + 12 + 12	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 9 + 9 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
	9 + 9 + 12 + 18	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 101: LMU369HV Heating Capacity Table — Ducted Indoor Units (continued) / Mixed Indoor Units.

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Ducted Indoor Units	12 + 12 + 12 + 12	0	-0.4	22.02	2.61	20.77	2.71	20.72	2.75	20.26	2.78	19.88	2.79	19.05	2.89
		5	4.5	25.26	2.67	24.10	2.77	23.73	2.83	23.23	2.86	22.82	2.89	21.90	2.98
		10	9	27.43	2.73	26.32	2.83	25.74	2.90	25.21	2.94	24.79	2.97	23.82	3.06
		17	15	29.81	2.81	28.78	2.90	27.95	2.99	**27.40**	**3.04**	26.96	3.08	25.92	3.17
		20	19	31.26	2.86	30.26	2.95	29.29	3.05	28.73	3.11	28.28	3.15	27.20	3.24
		25	23	33.66	2.96	32.67	3.04	31.53	3.16	30.93	3.22	30.46	3.27	29.31	3.36
		30	28	36.08	3.07	34.96	3.17	33.76	3.27	33.14	3.34	32.65	3.40	31.45	3.48
		35	32	38.49	3.18	37.27	3.29	36.00	3.37	35.35	3.45	34.83	3.52	33.58	3.60
		40	36	40.46	3.27	39.32	3.38	38.07	3.48	37.41	3.55	36.88	3.61	35.54	3.70
		45	41	42.91	3.38	41.88	3.50	40.65	3.61	39.97	3.67	39.43	3.72	38.00	3.83
		47	43	43.89	3.43	42.91	3.54	41.68	3.66	**41.00**	**3.72**	40.46	3.77	38.98	3.88
		50	46	44.02	3.41	43.13	3.51	42.06	3.61	41.45	3.67	40.96	3.71	39.58	3.81
		55	51	44.23	3.37	43.50	3.46	42.69	3.54	42.20	3.58	41.81	3.61	40.58	3.69
		60	56	44.45	3.34	43.87	3.40	43.33	3.46	42.96	3.49	42.66	3.51	41.57	3.56
		63	59	44.58	3.31	44.09	3.37	43.71	3.42	43.41	3.44	43.17	3.45	42.17	3.49
		68	64	44.70	3.29	44.31	3.34	44.09	3.37	43.87	3.38	43.69	3.39	42.77	3.42
Two (2) Mixed Indoor Units	9 + 9	0	-0.4	10.39	1.47	9.79	1.53	9.78	1.55	9.56	1.57	9.38	1.58	8.98	1.63
		5	4.5	12.17	1.51	11.60	1.57	11.43	1.60	11.19	1.62	10.99	1.63	10.55	1.69
		10	9	13.36	1.55	12.82	1.60	12.53	1.64	12.28	1.67	12.07	1.68	11.60	1.74
		17	15	14.67	1.60	14.16	1.65	13.75	1.70	**13.48**	**1.73**	13.26	1.75	12.75	1.80
		20	19	15.46	1.63	14.97	1.68	14.49	1.74	14.21	1.77	13.99	1.79	13.45	1.84
		25	23	16.78	1.69	16.29	1.74	15.72	1.80	15.42	1.84	15.18	1.87	14.61	1.92
		30	28	18.11	1.75	17.55	1.81	16.95	1.87	16.63	1.91	16.39	1.94	15.78	1.99
		35	32	19.43	1.82	18.82	1.88	18.17	1.93	17.85	1.98	17.59	2.01	16.95	2.06
		40	36	20.42	1.87	19.85	1.94	19.22	1.99	18.89	2.03	18.62	2.07	17.94	2.12
		45	41	21.66	1.94	21.15	2.00	20.52	2.06	20.18	2.10	19.91	2.13	19.19	2.19
		47	43	22.16	1.96	21.66	2.03	21.04	2.09	**20.70**	**2.13**	20.42	2.16	19.68	2.22
		50	46	22.22	1.95	21.77	2.01	21.24	2.07	20.93	2.10	20.68	2.12	19.98	2.18
		55	51	22.33	1.93	21.96	1.98	21.56	2.03	21.31	2.05	21.11	2.07	20.49	2.11
		60	56	22.44	1.91	22.15	1.95	21.88	1.98	21.69	2.00	21.54	2.01	20.99	2.04
		63	59	22.51	1.90	22.26	1.93	22.07	1.96	21.92	1.97	21.80	1.98	21.29	2.00
		68	64	22.57	1.89	22.37	1.91	22.26	1.93	22.15	1.94	22.06	1.94	21.59	1.96
	9 + 12	0	-0.4	12.12	1.76	11.42	1.83	11.41	1.86	11.15	1.88	10.94	1.89	10.48	1.96
		5	4.5	14.20	1.81	13.54	1.88	13.33	1.92	13.05	1.94	12.83	1.95	12.31	2.02
		10	9	15.58	1.85	14.96	1.92	14.62	1.97	14.33	1.99	14.09	2.01	13.53	2.08
		17	15	17.11	1.91	16.52	1.97	16.04	2.03	**15.73**	**2.07**	15.48	2.10	14.88	2.16
		20	19	18.04	1.95	17.46	2.01	16.90	2.08	16.58	2.12	16.32	2.15	15.70	2.21
		25	23	19.58	2.02	19.00	2.08	18.34	2.16	17.99	2.20	17.71	2.24	17.05	2.29
		30	28	21.13	2.10	20.47	2.17	19.77	2.23	19.41	2.28	19.12	2.32	18.41	2.38
		35	32	22.67	2.18	21.95	2.25	21.20	2.31	20.82	2.37	20.52	2.41	19.78	2.47
		40	36	23.83	2.24	23.16	2.32	22.42	2.38	22.03	2.43	21.72	2.47	20.94	2.54
		45	41	25.27	2.32	24.67	2.40	23.94	2.47	23.55	2.52	23.23	2.55	22.38	2.63
		47	43	25.85	2.35	25.27	2.43	24.55	2.51	**24.15**	**2.55**	23.83	2.58	22.96	2.66
		50	46	25.93	2.34	25.40	2.41	24.78	2.48	24.42	2.51	24.13	2.54	23.31	2.61
		55	51	26.05	2.31	25.62	2.37	25.15	2.43	24.86	2.45	24.63	2.47	23.90	2.53
		60	56	26.18	2.29	25.84	2.33	25.52	2.37	25.30	2.39	25.13	2.41	24.49	2.44
		63	59	26.26	2.27	25.97	2.31	25.75	2.34	25.57	2.36	25.43	2.36	24.84	2.39
		68	64	26.33	2.26	26.10	2.29	25.97	2.31	25.84	2.32	25.73	2.32	25.19	2.34

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 102: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	12 + 12	0	-0.4	13.85	1.83	13.05	1.90	13.04	1.93	12.74	1.94	12.50	1.96	11.98	2.03
		5	4.5	16.22	1.88	15.47	1.94	15.24	1.98	14.92	2.01	14.66	2.02	14.07	2.09
		10	9	17.81	1.92	17.09	1.99	16.71	2.04	16.37	2.06	16.10	2.09	15.47	2.15
		17	15	19.56	1.98	18.88	2.04	18.33	2.11	**17.97**	**2.14**	17.69	2.17	17.01	2.23
		20	19	20.61	2.02	19.96	2.08	19.32	2.15	18.94	2.19	18.65	2.22	17.94	2.29
		25	23	22.38	2.09	21.71	2.15	20.96	2.23	20.56	2.28	20.24	2.31	19.48	2.38
		30	28	24.15	2.17	23.40	2.24	22.59	2.31	22.18	2.36	21.85	2.40	21.05	2.47
		35	32	25.91	2.25	25.09	2.33	24.23	2.39	23.80	2.45	23.45	2.49	22.60	2.56
		40	36	27.23	2.32	26.47	2.40	25.62	2.47	25.18	2.52	24.83	2.56	23.93	2.63
		45	41	28.88	2.40	28.19	2.48	27.36	2.56	26.91	2.61	26.55	2.64	25.58	2.72
		47	43	29.54	2.43	28.88	2.51	28.06	2.60	**27.60**	**2.64**	27.23	2.68	26.24	2.76
		50	46	29.63	2.42	29.03	2.49	28.31	2.56	27.90	2.60	27.58	2.63	26.64	2.70
		55	51	29.78	2.39	29.28	2.45	28.74	2.51	28.41	2.54	28.15	2.56	27.31	2.62
		60	56	29.92	2.37	29.53	2.41	29.17	2.46	28.92	2.48	28.72	2.49	27.98	2.53
		63	59	30.01	2.35	29.68	2.39	29.42	2.43	29.22	2.44	29.06	2.45	28.39	2.48
		68	64	30.09	2.34	29.83	2.37	29.68	2.39	29.53	2.40	29.41	2.41	28.79	2.43
	9 + 18	0	-0.4	15.58	2.05	14.68	2.13	14.67	2.16	14.33	2.18	14.07	2.19	13.47	2.27
		5	4.5	18.25	2.10	17.40	2.18	17.14	2.22	16.78	2.25	16.49	2.27	15.83	2.34
		10	9	20.04	2.15	19.23	2.23	18.80	2.28	18.42	2.31	18.11	2.34	17.40	2.41
		17	15	22.00	2.22	21.24	2.29	20.62	2.36	**20.22**	**2.40**	19.90	2.43	19.13	2.50
		20	19	23.19	2.26	22.45	2.33	21.73	2.41	21.31	2.46	20.98	2.49	20.18	2.56
		25	23	25.17	2.34	24.43	2.41	23.58	2.50	23.13	2.55	22.78	2.59	21.92	2.66
		30	28	27.16	2.44	26.32	2.52	25.42	2.59	24.95	2.65	24.58	2.70	23.68	2.76
		35	32	29.15	2.53	28.22	2.62	27.26	2.68	26.77	2.75	26.38	2.80	25.43	2.86
		40	36	30.64	2.60	29.78	2.69	28.83	2.77	28.33	2.82	27.93	2.87	26.92	2.95
		45	41	32.49	2.69	31.72	2.78	30.78	2.87	30.27	2.92	29.86	2.96	28.78	3.05
		47	43	33.24	2.73	32.49	2.82	31.57	2.91	**31.05**	**2.96**	30.64	3.00	29.52	3.09
		50	46	33.33	2.71	32.66	2.79	31.85	2.87	31.39	2.92	31.02	2.95	29.98	3.03
		55	51	33.50	2.68	32.94	2.75	32.33	2.82	31.96	2.85	31.67	2.87	30.73	2.93
		60	56	33.66	2.65	33.22	2.71	32.81	2.76	32.53	2.78	32.31	2.79	31.48	2.84
		63	59	33.76	2.64	33.39	2.68	33.10	2.72	32.87	2.73	32.69	2.75	31.93	2.78
		68	64	33.86	2.62	33.56	2.65	33.39	2.69	33.22	2.69	33.08	2.70	32.39	2.72
	12 + 18	0	-0.4	17.32	2.28	16.31	2.36	16.30	2.40	15.93	2.42	15.63	2.44	14.97	2.52
		5	4.5	20.28	2.34	19.34	2.42	19.05	2.47	18.64	2.50	18.32	2.52	17.58	2.61
		10	9	22.26	2.39	21.37	2.47	20.89	2.54	20.47	2.57	20.12	2.60	19.33	2.68
		17	15	24.45	2.47	23.60	2.55	22.92	2.62	**22.47**	**2.67**	22.11	2.70	21.26	2.78
		20	19	25.77	2.52	24.95	2.59	24.14	2.68	23.68	2.73	23.31	2.77	22.42	2.85
		25	23	27.97	2.61	27.14	2.68	26.20	2.78	25.70	2.84	25.31	2.88	24.35	2.96
		30	28	30.18	2.71	29.25	2.80	28.24	2.88	27.72	2.95	27.31	3.00	26.31	3.07
		35	32	32.39	2.81	31.36	2.91	30.29	2.98	29.75	3.05	29.31	3.11	28.25	3.18
		40	36	34.04	2.89	33.08	2.99	32.03	3.07	31.48	3.14	31.03	3.19	29.91	3.28
		45	41	36.10	2.99	35.24	3.09	34.20	3.19	33.64	3.25	33.18	3.29	31.98	3.39
		47	43	36.93	3.03	36.10	3.13	35.07	3.23	**34.50**	**3.29**	34.04	3.33	32.80	3.43
		50	46	37.04	3.01	36.29	3.10	35.39	3.19	34.88	3.24	34.47	3.28	33.31	3.37
		55	51	37.22	2.98	36.60	3.06	35.93	3.13	35.51	3.16	35.18	3.19	34.14	3.26
		60	56	37.40	2.95	36.91	3.01	36.46	3.06	36.15	3.09	35.90	3.10	34.98	3.15
		63	59	37.51	2.93	37.10	2.98	36.78	3.02	36.53	3.04	36.33	3.05	35.48	3.09
		68	64	37.62	2.91	37.29	2.95	37.10	2.98	36.91	2.99	36.76	3.00	35.99	3.02

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 103: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Two (2) Mixed Indoor Units	18 + 18	0	-0.4	18.07	2.37	17.02	2.46	17.01	2.50	16.62	2.52	16.31	2.54	15.62	2.63
		5	4.5	21.16	2.44	20.18	2.52	19.88	2.58	19.46	2.61	19.12	2.63	18.35	2.72
		10	9	23.23	2.49	22.29	2.58	21.80	2.65	21.35	2.68	21.00	2.71	20.17	2.80
		17	15	25.51	2.57	24.62	2.65	23.91	2.74	**23.44**	**2.78**	23.07	2.82	22.18	2.90
		20	19	26.89	2.62	26.03	2.70	25.19	2.80	24.71	2.85	24.32	2.89	23.40	2.97
		25	23	29.19	2.72	28.32	2.80	27.34	2.90	26.82	2.96	26.41	3.01	25.41	3.09
		30	28	31.49	2.82	30.52	2.92	29.47	3.01	28.93	3.07	28.50	3.12	27.45	3.20
		35	32	33.80	2.93	32.72	3.03	31.61	3.11	31.04	3.18	30.59	3.24	29.48	3.32
		40	36	35.52	3.01	34.52	3.12	33.42	3.21	32.84	3.27	32.38	3.33	31.21	3.41
		45	41	37.67	3.12	36.77	3.22	35.69	3.32	35.10	3.39	34.62	3.43	33.37	3.53
		47	43	38.54	3.16	37.67	3.27	36.60	3.37	**36.00**	**3.43**	35.52	3.48	34.23	3.58
		50	46	38.65	3.14	37.87	3.24	36.93	3.33	36.40	3.38	35.97	3.42	34.75	3.51
		55	51	38.84	3.11	38.19	3.19	37.49	3.26	37.06	3.30	36.71	3.33	35.63	3.40
		60	56	39.03	3.08	38.52	3.14	38.04	3.19	37.72	3.22	37.46	3.24	36.50	3.29
		63	59	39.14	3.06	38.71	3.11	38.38	3.15	38.12	3.17	37.91	3.18	37.02	3.22
		68	64	39.25	3.04	38.91	3.08	38.71	3.11	38.52	3.12	38.36	3.13	37.56	3.15
	24 + 9	0	-0.4	19.07	2.50	17.96	2.59	17.95	2.63	17.54	2.66	17.22	2.67	16.49	2.77
		5	4.5	22.34	2.56	21.30	2.66	20.98	2.71	20.54	2.74	20.18	2.77	19.37	2.86
		10	9	24.52	2.63	23.53	2.72	23.01	2.78	22.54	2.82	22.17	2.85	21.29	2.94
		17	15	26.93	2.71	25.99	2.79	25.24	2.88	**24.75**	**2.93**	24.35	2.97	23.41	3.05
		20	19	28.38	2.76	27.48	2.85	26.59	2.94	26.08	3.00	25.67	3.04	24.70	3.13
		25	23	30.81	2.86	29.90	2.94	28.86	3.05	28.31	3.12	27.87	3.16	26.82	3.25
		30	28	33.24	2.97	32.22	3.07	31.11	3.16	30.54	3.23	30.08	3.29	28.98	3.37
		35	32	35.68	3.08	34.54	3.19	33.36	3.27	32.77	3.35	32.29	3.41	31.12	3.49
		40	36	37.50	3.17	36.44	3.28	35.28	3.37	34.67	3.44	34.18	3.50	32.94	3.59
		45	41	39.77	3.28	38.82	3.39	37.67	3.50	37.05	3.56	36.55	3.61	35.22	3.72
		47	43	40.68	3.33	39.77	3.44	38.63	3.55	**38.00**	**3.61**	37.50	3.66	36.13	3.77
		50	46	40.80	3.31	39.97	3.41	38.98	3.51	38.42	3.56	37.97	3.60	36.68	3.70
		55	51	41.00	3.27	40.32	3.35	39.57	3.43	39.12	3.47	38.75	3.50	37.61	3.58
		60	56	41.19	3.24	40.66	3.30	40.16	3.36	39.81	3.39	39.54	3.41	38.53	3.46
		63	59	41.31	3.22	40.86	3.27	40.51	3.32	40.23	3.33	40.01	3.35	39.08	3.39
		68	64	41.43	3.20	41.07	3.24	40.87	3.27	40.66	3.28	40.49	3.29	39.64	3.32
	24 + 12	0	-0.4	19.07	2.50	17.96	2.59	17.95	2.63	17.54	2.66	17.22	2.67	16.49	2.77
		5	4.5	22.34	2.56	21.30	2.66	20.98	2.71	20.54	2.74	20.18	2.77	19.37	2.86
		10	9	24.52	2.63	23.53	2.72	23.01	2.78	22.54	2.82	22.17	2.85	21.29	2.94
		17	15	26.93	2.71	25.99	2.79	25.24	2.88	**24.75**	**2.93**	24.35	2.97	23.41	3.05
		20	19	28.38	2.76	27.48	2.85	26.59	2.94	26.08	3.00	25.67	3.04	24.70	3.13
		25	23	30.81	2.86	29.90	2.94	28.86	3.05	28.31	3.12	27.87	3.16	26.82	3.25
		30	28	33.24	2.97	32.22	3.07	31.11	3.16	30.54	3.23	30.08	3.29	28.98	3.37
		35	32	35.68	3.08	34.54	3.19	33.36	3.27	32.77	3.35	32.29	3.41	31.12	3.49
		40	36	37.50	3.17	36.44	3.28	35.28	3.37	34.67	3.44	34.18	3.50	32.94	3.59
		45	41	39.77	3.28	38.82	3.39	37.67	3.50	37.05	3.56	36.55	3.61	35.22	3.72
		47	43	40.68	3.33	39.77	3.44	38.63	3.55	**38.00**	**3.61**	37.50	3.66	36.13	3.77
		50	46	40.80	3.31	39.97	3.41	38.98	3.51	38.42	3.56	37.97	3.60	36.68	3.70
		55	51	41.00	3.27	40.32	3.35	39.57	3.43	39.12	3.47	38.75	3.50	37.61	3.58
		60	56	41.19	3.24	40.66	3.30	40.16	3.36	39.81	3.39	39.54	3.41	38.53	3.46
		63	59	41.31	3.22	40.86	3.27	40.51	3.32	40.23	3.33	40.01	3.35	39.08	3.39
		68	64	41.43	3.20	41.07	3.24	40.87	3.27	40.66	3.28	40.49	3.29	39.64	3.32

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 104: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	9 + 9 + 9	0	-0.4	15.58	2.05	14.68	2.13	14.67	2.16	14.33	2.18	14.07	2.19	13.47	2.27
		5	4.5	18.25	2.10	17.40	2.18	17.14	2.22	16.78	2.25	16.49	2.27	15.83	2.34
		10	9	20.04	2.15	19.23	2.23	18.80	2.28	18.42	2.31	18.11	2.34	17.40	2.41
		17	15	22.00	2.22	21.24	2.29	20.62	2.36	**20.22**	**2.40**	19.90	2.43	19.13	2.50
		20	19	23.19	2.26	22.45	2.33	21.73	2.41	21.31	2.46	20.98	2.49	20.18	2.56
		25	23	25.17	2.34	24.43	2.41	23.58	2.50	23.13	2.55	22.78	2.59	21.92	2.66
		30	28	27.16	2.44	26.32	2.52	25.42	2.59	24.95	2.65	24.58	2.70	23.68	2.76
		35	32	29.15	2.53	28.22	2.62	27.26	2.68	26.77	2.75	26.38	2.80	25.43	2.86
		40	36	30.64	2.60	29.78	2.69	28.83	2.77	28.33	2.82	27.93	2.87	26.92	2.95
		45	41	32.49	2.69	31.72	2.78	30.78	2.87	30.27	2.92	29.86	2.96	28.78	3.05
		47	43	33.24	2.73	32.49	2.82	31.57	2.91	**31.05**	**2.96**	30.64	3.00	29.52	3.09
		50	46	33.33	2.71	32.66	2.79	31.85	2.87	31.39	2.92	31.02	2.95	29.98	3.03
		55	51	33.50	2.68	32.94	2.75	32.33	2.82	31.96	2.85	31.67	2.87	30.73	2.93
		60	56	33.66	2.65	33.22	2.71	32.81	2.76	32.53	2.78	32.31	2.79	31.48	2.84
		63	59	33.76	2.64	33.39	2.68	33.10	2.72	32.87	2.73	32.69	2.75	31.93	2.78
		68	64	33.86	2.62	33.56	2.65	33.39	2.69	33.22	2.69	33.08	2.70	32.39	2.72
	9 + 9 + 12	0	-0.4	17.32	2.28	16.31	2.36	16.30	2.40	15.93	2.42	15.63	2.44	14.97	2.52
		5	4.5	20.28	2.34	19.34	2.42	19.05	2.47	18.64	2.50	18.32	2.52	17.58	2.61
		10	9	22.26	2.39	21.37	2.47	20.89	2.54	20.47	2.57	20.12	2.60	19.33	2.68
		17	15	24.45	2.47	23.60	2.55	22.92	2.62	**22.47**	**2.67**	22.11	2.70	21.26	2.78
		20	19	25.77	2.52	24.95	2.59	24.14	2.68	23.68	2.73	23.31	2.77	22.42	2.85
		25	23	27.97	2.61	27.14	2.68	26.20	2.78	25.70	2.84	25.31	2.88	24.35	2.96
		30	28	30.18	2.71	29.25	2.80	28.24	2.88	27.72	2.95	27.31	3.00	26.31	3.07
		35	32	32.39	2.81	31.36	2.91	30.29	2.98	29.75	3.05	29.31	3.11	28.25	3.18
		40	36	34.04	2.89	33.08	2.99	32.03	3.07	31.48	3.14	31.03	3.19	29.91	3.28
		45	41	36.10	2.99	35.24	3.09	34.20	3.19	33.64	3.25	33.18	3.29	31.98	3.39
		47	43	36.93	3.03	36.10	3.13	35.07	3.23	**34.50**	**3.29**	34.04	3.33	32.80	3.43
		50	46	37.04	3.01	36.29	3.10	35.39	3.19	34.88	3.24	34.47	3.28	33.31	3.37
		55	51	37.22	2.98	36.60	3.06	35.93	3.13	35.51	3.16	35.18	3.19	34.14	3.26
		60	56	37.40	2.95	36.91	3.01	36.46	3.06	36.15	3.09	35.90	3.10	34.98	3.15
		63	59	37.51	2.93	37.10	2.98	36.78	3.02	36.53	3.04	36.33	3.05	35.48	3.09
		68	64	37.62	2.91	37.29	2.95	37.10	2.98	36.91	2.99	36.76	3.00	35.99	3.02
	9 + 12 + 12	0	-0.4	19.05	2.41	17.94	2.50	17.93	2.54	17.52	2.56	17.19	2.58	16.47	2.67
		5	4.5	22.31	2.47	21.27	2.56	20.95	2.61	20.51	2.64	20.15	2.67	19.34	2.76
		10	9	24.49	2.53	23.50	2.62	22.98	2.68	22.51	2.72	22.14	2.75	21.27	2.84
		17	15	26.89	2.61	25.96	2.69	25.21	2.78	**24.71**	**2.82**	24.32	2.86	23.38	2.94
		20	19	28.35	2.66	27.44	2.74	26.56	2.84	26.05	2.89	25.64	2.93	24.67	3.01
		25	23	30.77	2.76	29.86	2.84	28.82	2.94	28.27	3.00	27.84	3.05	26.79	3.13
		30	28	33.20	2.86	32.17	2.96	31.07	3.05	30.50	3.12	30.04	3.17	28.94	3.25
		35	32	35.63	2.97	34.50	3.08	33.32	3.16	32.72	3.23	32.24	3.29	31.08	3.37
		40	36	37.45	3.06	36.39	3.16	35.23	3.25	34.62	3.32	34.13	3.38	32.90	3.46
		45	41	39.72	3.17	38.77	3.27	37.62	3.37	37.00	3.43	36.50	3.48	35.17	3.59
		47	43	40.62	3.21	39.72	3.31	38.58	3.42	**37.95**	**3.48**	37.45	3.53	36.08	3.63
		50	46	40.74	3.19	39.92	3.28	38.93	3.38	38.37	3.43	37.92	3.47	36.64	3.56
		55	51	40.94	3.15	40.26	3.23	39.52	3.31	39.07	3.35	38.70	3.38	37.56	3.45
		60	56	41.14	3.12	40.60	3.18	40.11	3.24	39.76	3.26	39.49	3.28	38.48	3.33
		63	59	41.26	3.10	40.81	3.15	40.46	3.20	40.18	3.21	39.96	3.23	39.03	3.27
		68	64	41.38	3.08	41.02	3.12	40.81	3.16	40.60	3.17	40.44	3.17	39.59	3.20

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 105: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	12 + 12 + 12	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 9 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 12 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Table 106: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Three (3) Mixed Indoor Units	12 + 12 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 18 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	12 + 18 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 107: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	9 + 9 + 9 + 9	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 9 + 9 + 12	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 9 + 12 + 12	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 108: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	9 + 12 + 12 + 12	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 9 + 9 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35
	9 + 9 + 12 + 18	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 109: LMU369HV Heating Capacity Table — Mixed Indoor Units (continued).

Connected Indoor Units	Combination Capacity Index	Outdoor Air Temp.		Indoor Air Temp. °F DB											
		°F	°F	61		64		68		70		72		75	
		DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Four (4) Mixed Indoor Units	12 + 12 + 12 + 12	0	-0.4	20.58	2.53	19.38	2.62	19.37	2.66	18.93	2.69	18.58	2.70	17.79	2.80
		5	4.5	24.10	2.59	22.98	2.69	22.64	2.74	22.16	2.77	21.77	2.80	20.90	2.89
		10	9	26.46	2.65	25.39	2.75	24.83	2.81	24.32	2.85	23.92	2.88	22.98	2.97
		17	15	29.05	2.74	28.04	2.82	27.23	2.91	**26.70**	**2.96**	26.27	3.00	25.26	3.09
		20	19	30.62	2.79	29.65	2.88	28.69	2.98	28.14	3.03	27.70	3.08	26.65	3.16
		25	23	33.24	2.89	32.26	2.98	31.13	3.09	30.55	3.15	30.07	3.20	28.94	3.28
		30	28	35.87	3.00	34.76	3.10	33.56	3.20	32.95	3.27	32.46	3.32	31.26	3.41
		35	32	38.49	3.12	37.27	3.23	36.00	3.31	35.35	3.39	34.83	3.45	33.58	3.53
		40	36	40.46	3.21	39.32	3.32	38.07	3.41	37.41	3.48	36.88	3.54	35.54	3.63
		45	41	42.91	3.32	41.88	3.43	40.65	3.54	39.97	3.60	39.43	3.65	38.00	3.76
		47	43	43.89	3.37	42.91	3.48	41.68	3.59	**41.00**	**3.65**	40.46	3.70	38.98	3.81
		50	46	44.02	3.34	43.13	3.44	42.06	3.54	41.45	3.60	40.96	3.64	39.58	3.74
		55	51	44.23	3.31	43.50	3.39	42.69	3.47	42.20	3.51	41.81	3.54	40.58	3.62
		60	56	44.45	3.27	43.87	3.34	43.33	3.40	42.96	3.42	42.66	3.44	41.57	3.50
		63	59	44.58	3.25	44.09	3.30	43.71	3.35	43.41	3.37	43.17	3.39	42.17	3.43
		68	64	44.70	3.23	44.31	3.27	44.09	3.31	43.87	3.32	43.69	3.33	42.77	3.35

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with 25 ft. of refrigerant piping.
0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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MULTI F OUTDOOR UNIT

Electrical and Acoustic Data

Electrical Data

Table 110: Electrical Data.

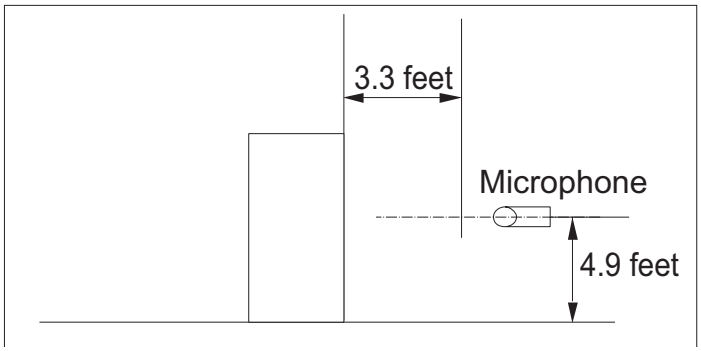
Nominal Tons	Unit Model No.	Hertz	Voltage	Voltage Range (Min. to Max.)	MCA	MOP	Compressor Quantity	Compressor Motor RLA	Condenser Fan Motor(s)	
									Condenser Fan Quantity.	Condenser Fan Motor FLA
1.5	LMU187HV	60	208 - 230	187 - 253	11.0	15	1	8.2	1	0.40
2	LMU247HV				15.4	25	1	11.6	1	0.40
3	LMU369HV				16.8	25	1	12.1	2	0.55 x 2

Voltage tolerance is ±10%.
Maximum allowable voltage unbalance is 2%.
RLA = Rated Load Amps.

MCA = Minimum Circuit Ampacity.
Maximum Overcurrent Protection (MOP) is calculated as follows:
(Largest motor FLA x 2.25) + (Sum of other motor FLA) rounded down to the nearest standard fuse size.

Acoustic Data

Figure 9: Acoustic Measurement Location.



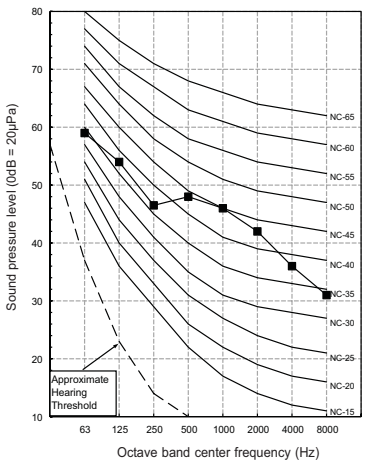
- Measurement taken 4.9' above finished floor, and at a distance of 3.3' from face of unit.
- Measurements taken with no attenuation and units operating at full load normal operating condition.
- Sound level will vary depending on a range of factors such as construction (acoustic absorption coefficient) of particular area in which the equipment is installed.
- Sound level may be increased in static pressure mode or if air guide is used.
- Sound pressure levels are measured in dB(A)±3.
- Tested in anechoic chamber per ISO Standard 3745.

Table 111: Sound Pressure Levels (dB[A]).

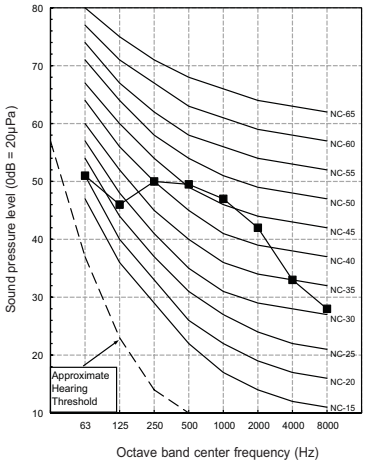
Model No.	Sound Pressure Level (dB[A])
LMU187HV	51
LMU247HV	51
LMU369HV	57

Figure 10: Sound Pressure Level Diagrams.

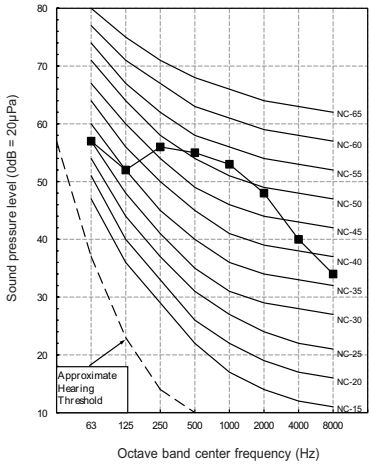
LMU187HV



LMU247HV



LMU369HV



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MULTI F OUTDOOR UNIT

Refrigerant Flow Diagram

Figure 11: LMU187HV Refrigerant Flow Diagram.

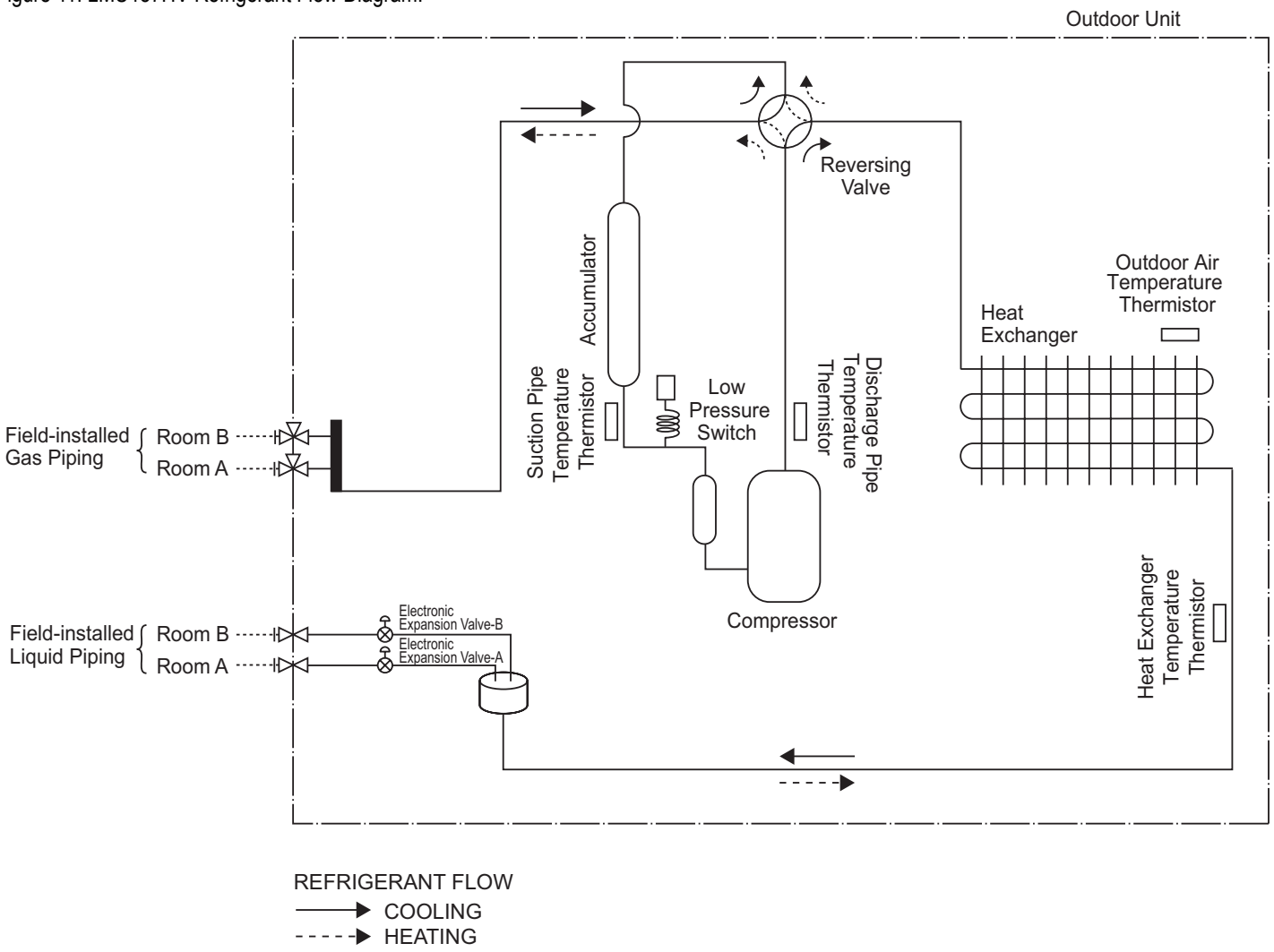


Table 112: LMU187HV Thermistor Details.

Description	PCB Connector
Outdoor Air Temperature Thermistor	CN-TH2
Heat Exchanger Temperature Thermistor	
Discharge Pipe Temperature Thermistor	CN-TH3
Suction Pipe Temperature Thermistor	

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Figure 12: LMU247HV Refrigerant Flow Diagram.

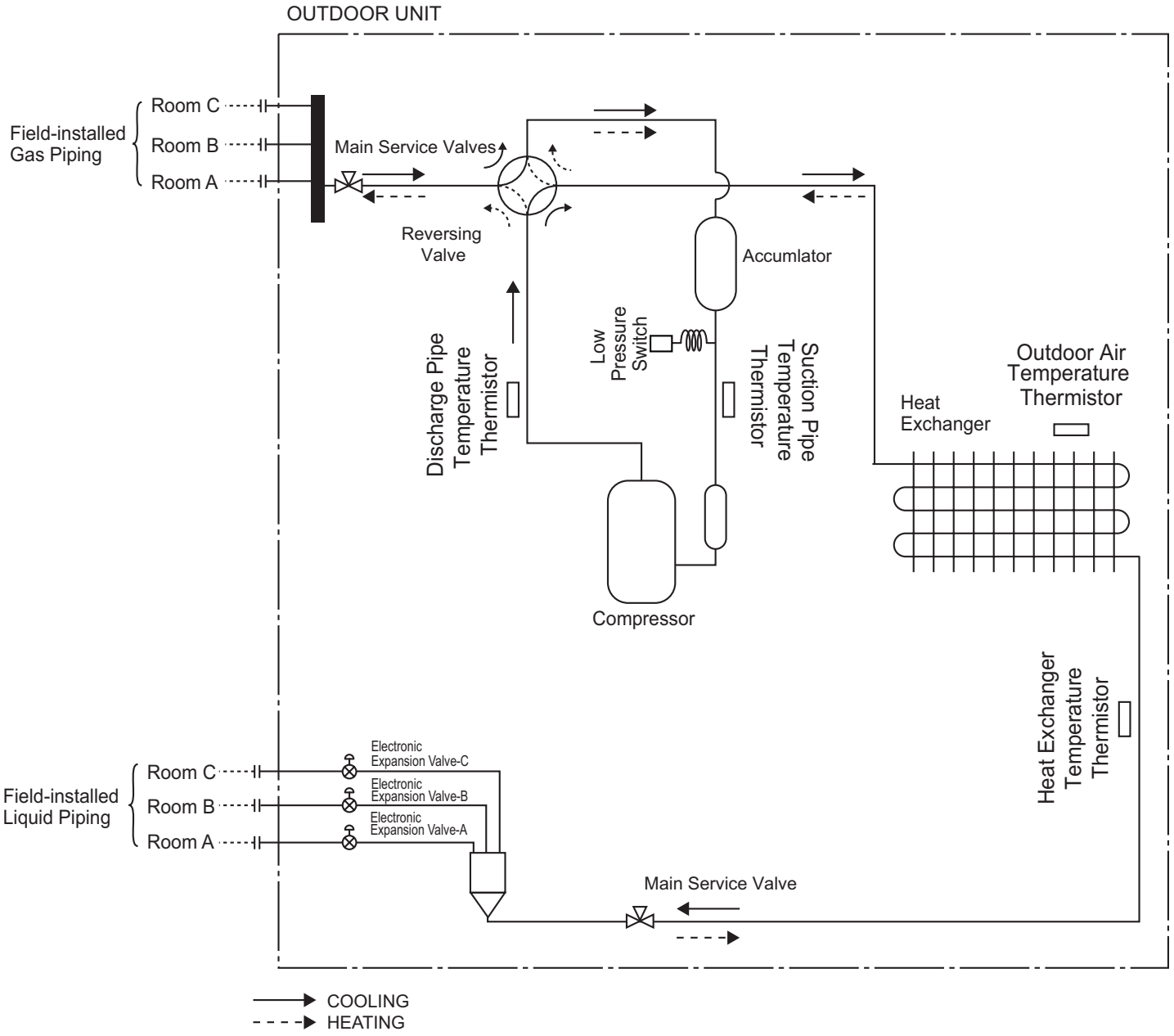


Table 113: LMU247HV Thermistor Details.

Description	PCB Connector
Outdoor Air Temperature Thermistor	CN-TH2
Heat Exchanger Temperature Thermistor	
Discharge Pipe Temperature Thermistor	CN-TH3
Suction Pipe Temperature Thermistor	

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MULTI F OUTDOOR UNIT

Refrigerant Flow Diagram

Figure 13: LMU369HV Refrigerant Flow Diagram.

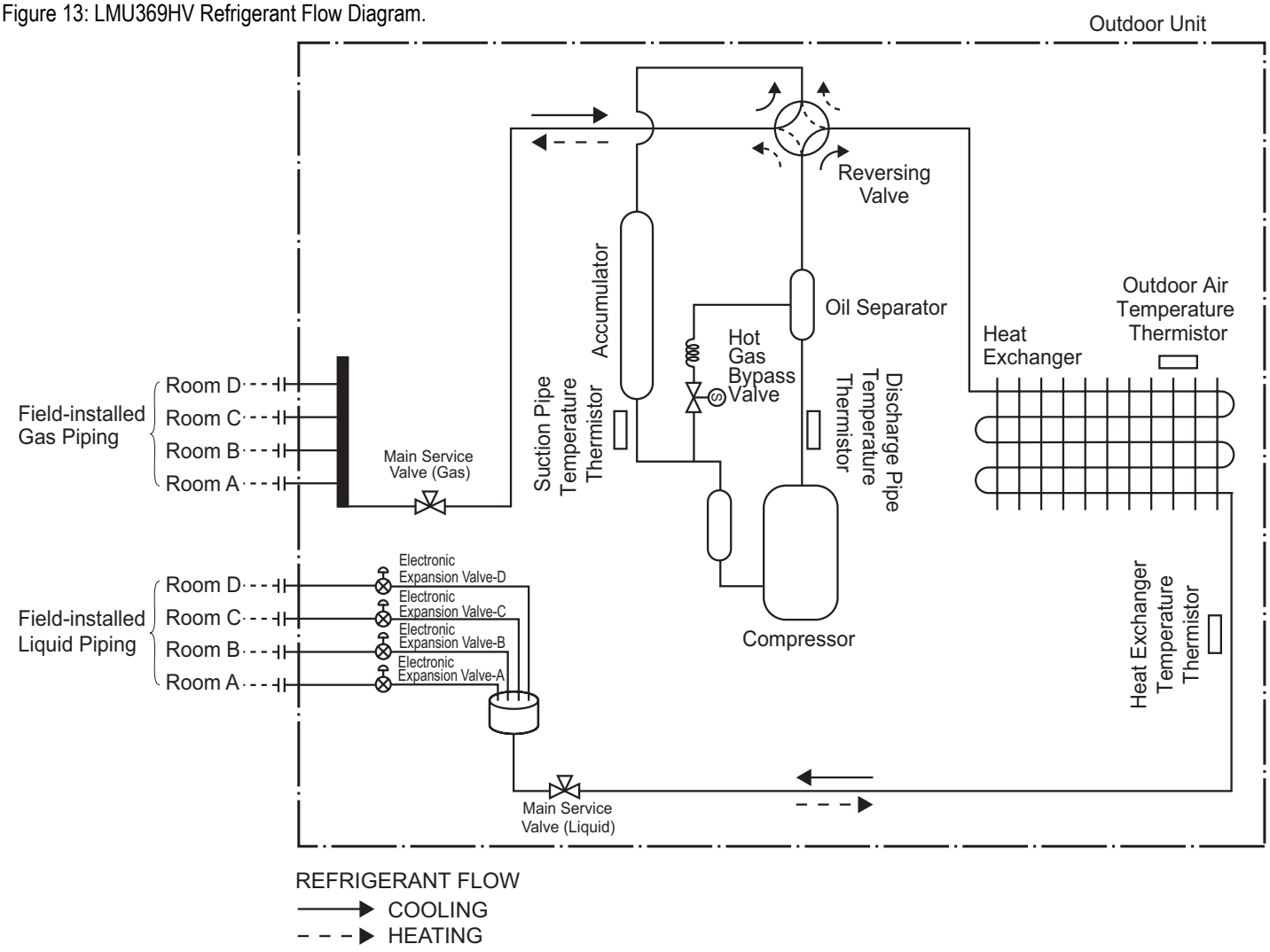
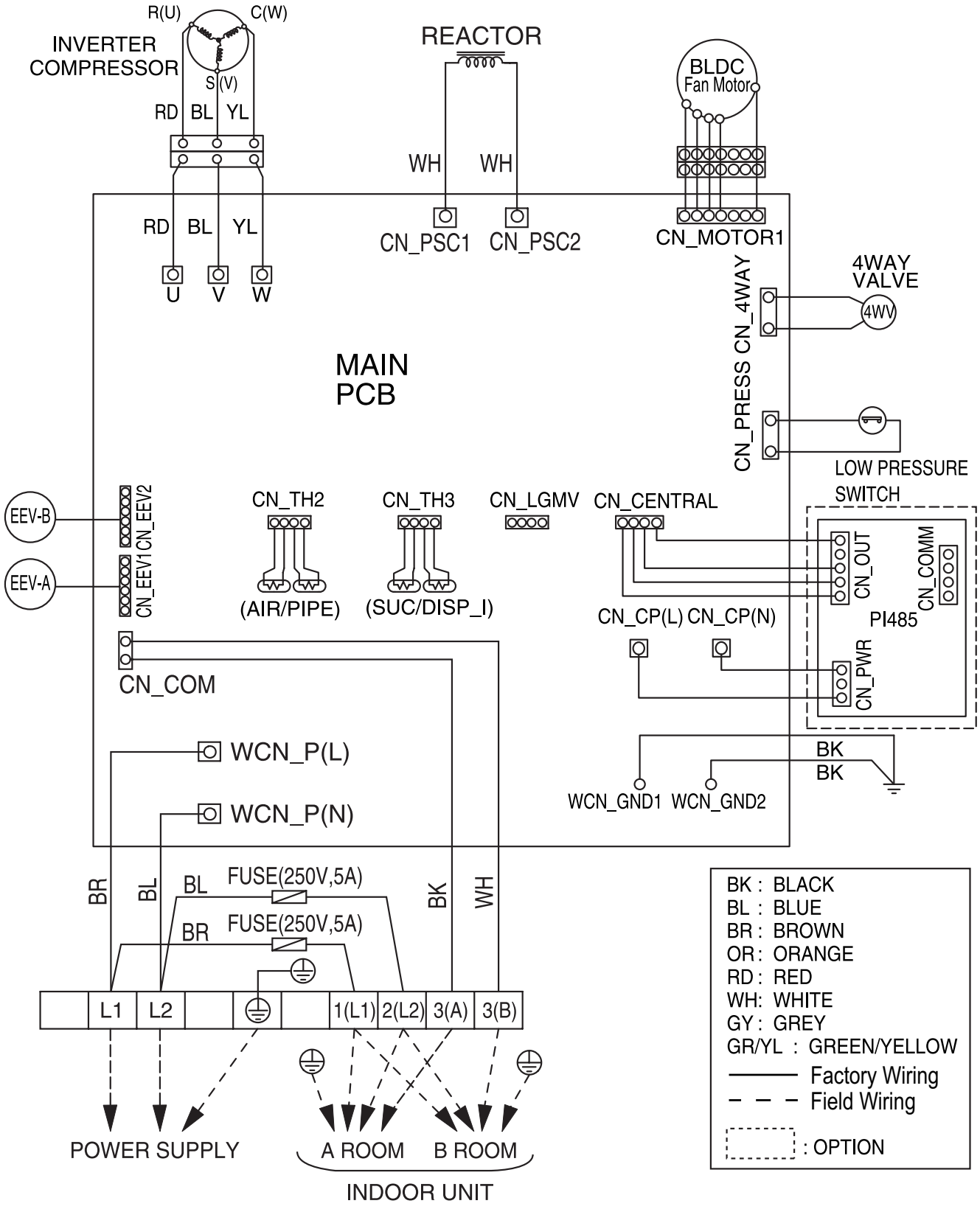


Table 114: LMU369HV Thermistor Details.

Description	PCB Connector
Outdoor Air Temperature Thermistor	CN-TH2
Heat Exchanger Temperature Thermistor	
Discharge Pipe Temperature Thermistor	CN-TH3
Suction Pipe Temperature Thermistor	

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Figure 14: LMU187HV Wiring Diagram.

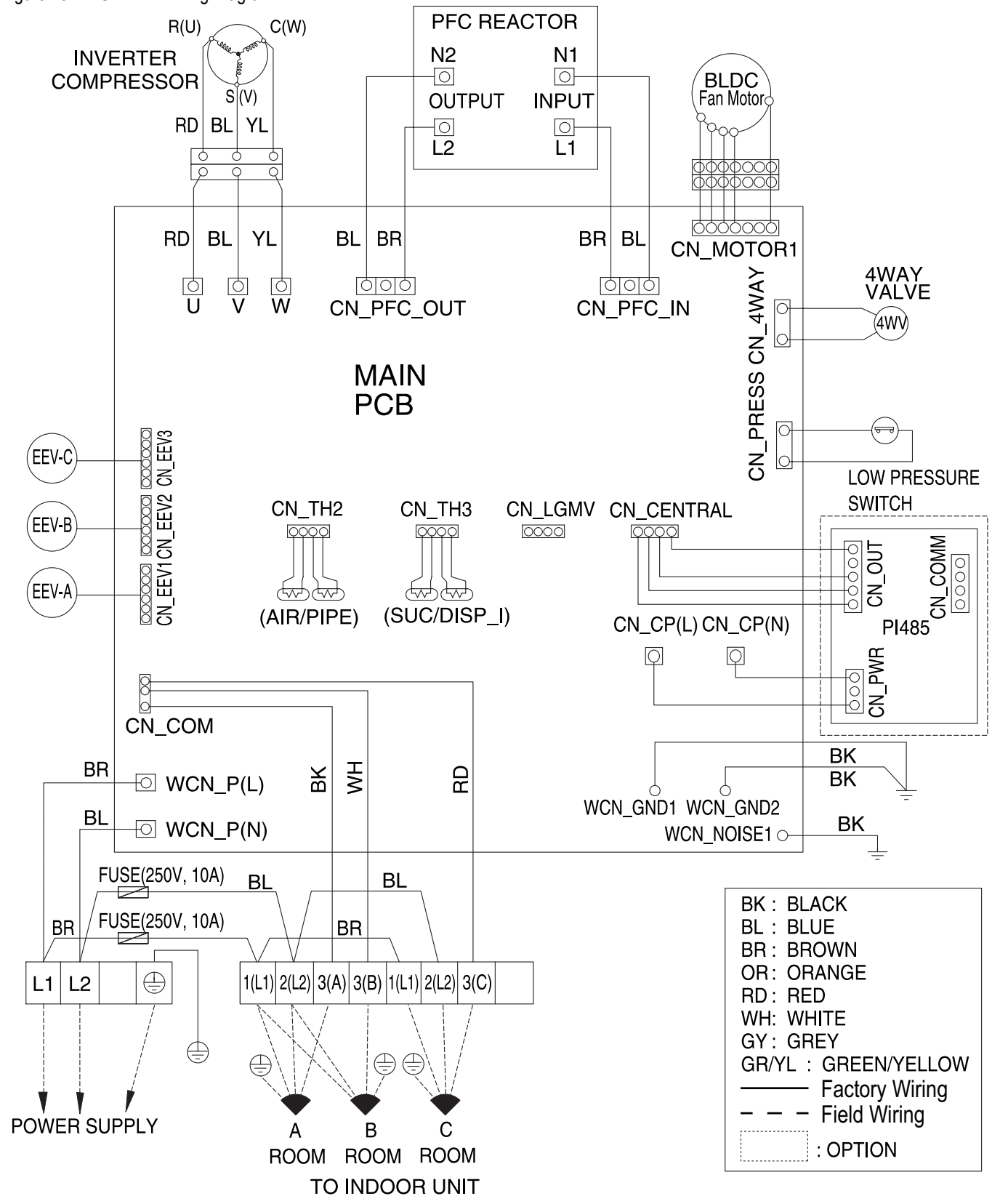


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MULTI F OUTDOOR UNIT

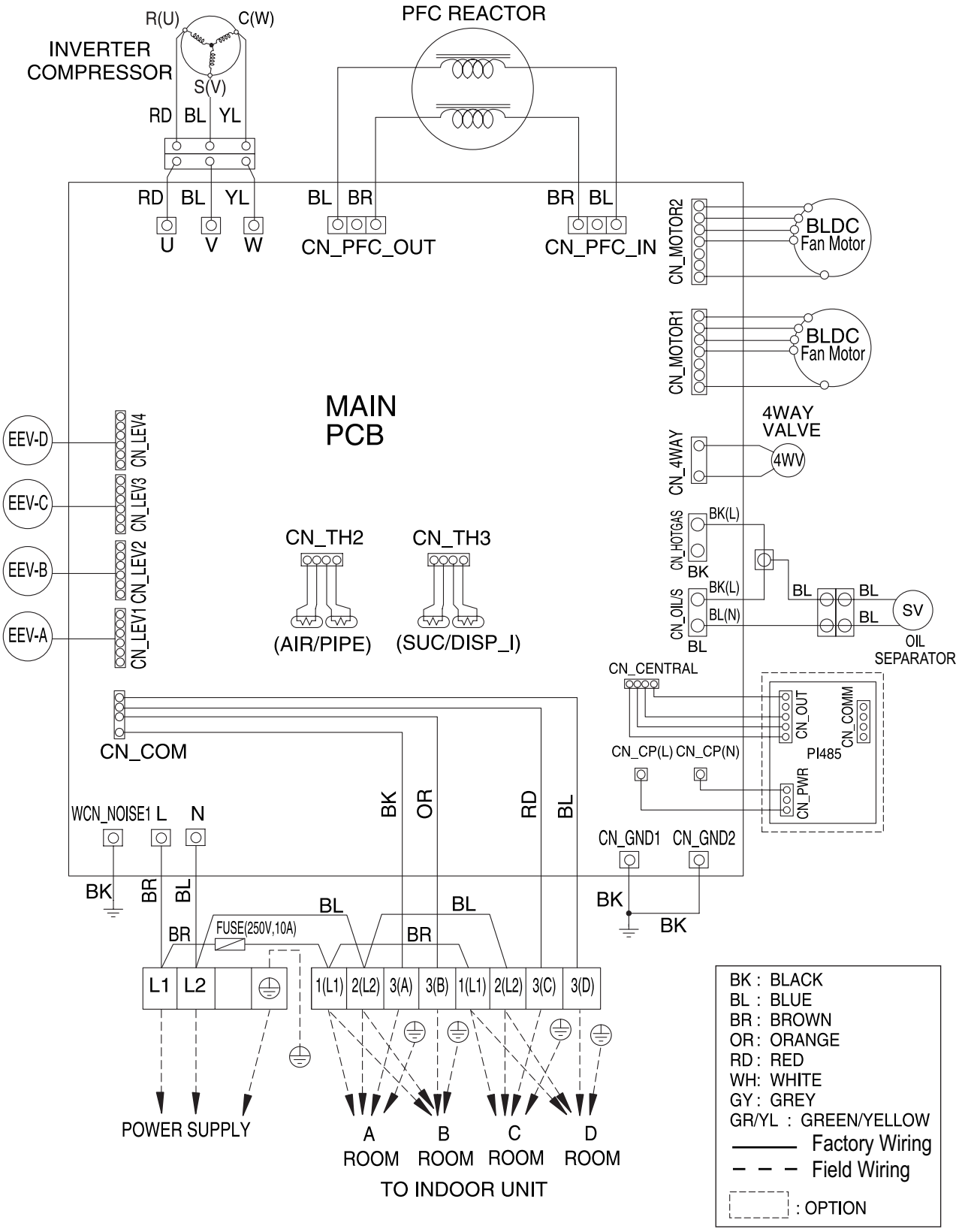
Wiring Diagram

Figure 15: LMU247HV Wiring Diagram.



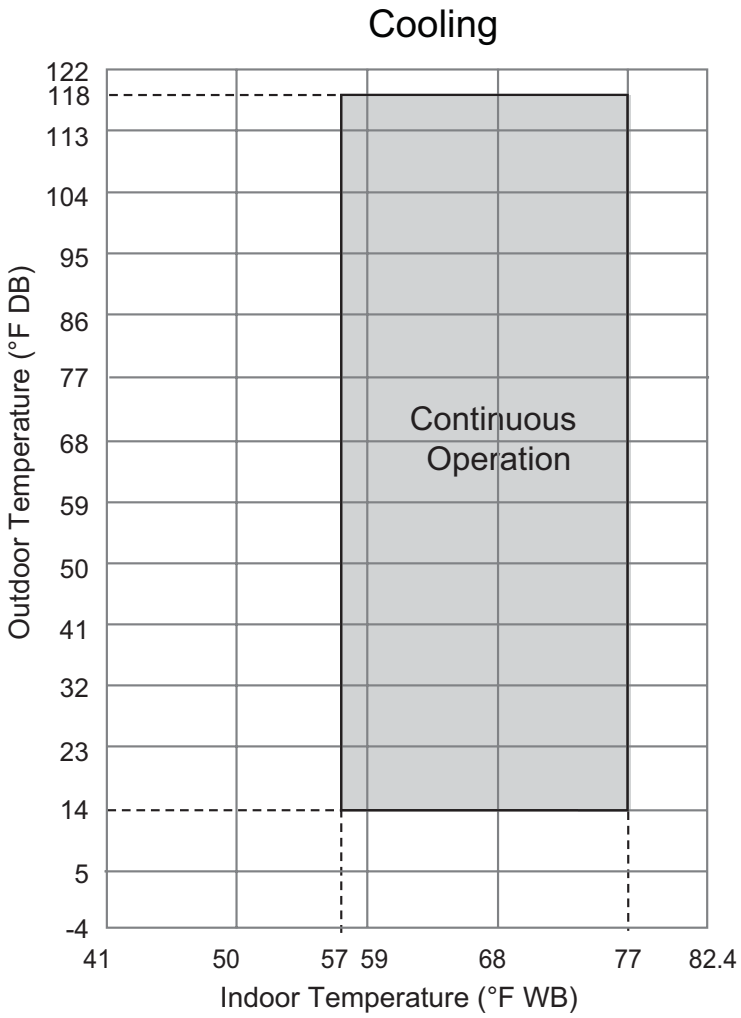
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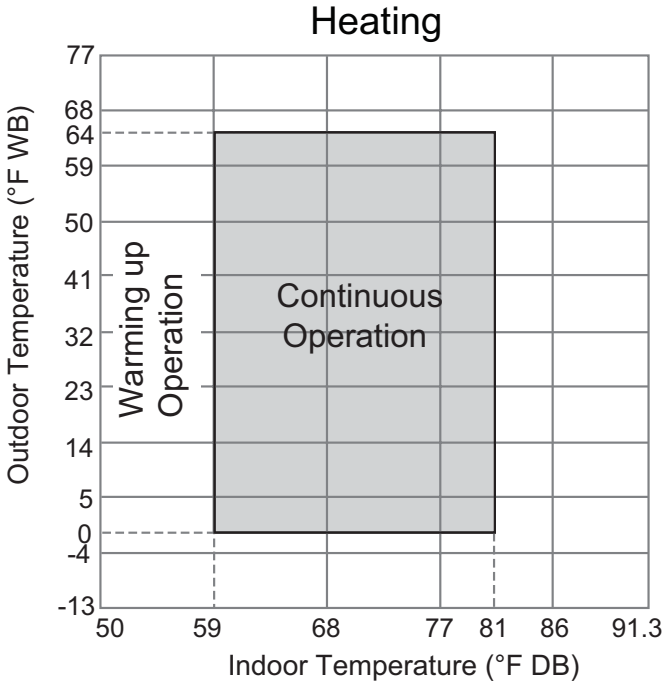
Figure 16: LMU369HV Wiring Diagram.



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Figure 17: Cooling and Heating Operation Ranges.





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MULTI F MAX OUTDOOR UNIT DATA

“Product Features and Benefits” on page 126
“Mechanical Specifications” on page 127
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“Dimensions” on page 130
“Rated Cooling Combination Tables” on page 131
“Rated Heating Combination Tables” on page 134
“Cooling Capacity Tables ” on page 137
“Heating Capacity Tables” on page 154
“Electrical Data” on page 165
“Acoustic Data” on page 165
“Refrigerant Flow Diagrams” on page 166
“Wiring Diagrams” on page 167
“Operation Range” on page 168

MULTI F MAX OUTDOOR UNIT

Features and Benefits

MULTI F
MULTI F MAX

Multi F MAX inverter-driven heat pump systems can operate up to eight indoor units, providing cooling or heating for an entire home and zoning capabilities. Compact refrigerant pipes work in tandem with wiring to link the outdoor unit with all indoor units through a single or pair of branch distribution (BD) unit(s). Most indoor units include its own remote control, allowing the user to set the temperature individually in different rooms. The indoor units are available in a variety of capacities and styles, including Art Cool ™ Mirror and Gallery Wall Mount, Standard Wall Mount, Four-Way Ceiling Cassette, Horizontal Ceiling Concealed Duct, and Vertical-Horizontal Air Handling models.

Features

- Advanced climate control for up to eight (8) zones
- Inverter (Variable speed compressor)
- DC inverter technology – load matches to reduce power consumption
- Low ambient operation to 14ºF (Cooling)
- Heating operation down to 0ºF
- Defrost
- Restart delay (three [3] minutes)
- Self diagnosis
- Soft start
- Auto operation / auto restart operation
- Gold Fin™ anti-corrosion

Benefits

- Refrigerant piping lengths allow for extra design flexibility in indoor unit installation
- Easy installation: Little to no ductwork required; most indoor units can mount on any wall
- Indoor unit and outdoor unit dimensions ensure space saving convenience
- All-season use—heat pump models have both cooling and heating capabilities

Figure 18: Multi F MAX Heat Pump Inverter System — Mix and match for 24,000-73,000 Btu/h.



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Multi F MAX Heat Pump Condensing Units

General

A Multi F MAX multi-zone system is comprised of one heat pump outdoor unit connected up to eight indoor units through a branch distribution unit (BD) using a single refrigerant piping circuit, and includes integrated controls supplied by LG. Factory-designed and supplied Y-branches may be used as well.

The outdoor unit is internally assembled, wired, and piped from the factory; all LG components are manufactured in a facility registered to ISO 9001 and ISO 14001, set by the International Organization for Standardization (ISO). The LG Multi F MAX multi zone heat pump system components comply with Underwriters Laboratories (UL) 1995 Heating and Cooling Equipment Standard for Safety, and bear the Electrical Testing Laboratories (ETL) mark. The units are certified to AHRI 210 / 240.

Temperature Ranges

The heat pump outdoor units are capable of operating in cooling mode from 14°F to 118°F ambient dry bulb. The heat pump outdoor units are capable of operating in heating mode from 0°F to 64°F ambient wet bulb without additional low ambient controls.

Frame

Multi F MAX condensing unit case is constructed from pre-coated metal that has been tested in accordance with ASTM B-117 salt spray procedure for a minimum of 1,000 hours. Case has a removable front panel to allow access to major components and control devices, and legs to secure the unit during installation.

Refrigerant System

Multi F MAX systems have a single refrigerant circuit field piped with a manufacturer-supplied BD unit(s) and Y-branches (if applicable) to multiple (ducted, non-ducted or mixed) indoor units to effectively and efficiently control the heating or cooling operation of the multi zone system. All refrigerant lines from the outdoor unit to the BD unit(s) and from the BD unit(s) to indoor units are field-installed and must be insulated separately.

Multi F MAX systems use R410A refrigerant. The outdoor units are equipped with a refrigerant strainer, check valves, oil separator, accumulator, four-way reversing valve, electronic expansion valve(s) (EEV), high side and low side refrigerant charging ports, and a service port. The outdoor unit also includes sensors for suction temperature, discharge temperature, high-pressure, low-pressure, heat exchanger temperature, and outdoor temperature conditions.

Refrigeration Oil Control

The outdoor unit has an oil separator to separate oil mixed with the refrigerant gas during compression and return oil to the compressor. The outdoor unit also has an oil injection mechanism to ensure a consistent film of oil on all moving compressor parts at low speed.

Compressor

Multi F condensing units are equipped with one hermetically sealed, digitally controlled, inverter driven twin-rotary compressor that includes Teflon™ coated bearings. The inverter motor is capable of providing a modulation range of 20Hz to 100Hz with control in 1Hz increments. The compressor is protected with phase-reversal protection, uses a factory-charge of Polyvinyl Ether (PVE) oil, and is mounted to avoid the transmission of vibration. Compressor in the Multi F MAX outdoor unit is equipped with a hot gas bypass valve.

Figure 19: Multi F MAX LMU540HV Outdoor Unit.



Fan and Motors

The Multi F MAX outdoor unit includes two direct drive variable speed propeller fans with Brushless Digitally Controlled (BLDC) motor with a horizontal air discharge.

Fan blades are statically and dynamically balanced propeller fans made of durable Acrylonitrile Butadiene Styrene (ABS) plastic, and include a raised fan guard to limit contact with moving parts. The motors have inherent overload protection, permanently lubricated bearings, and a maximum speed up to 950 rpm. Multi F MAX outdoor unit has a horizontal discharge airflow.

Outdoor Unit Coil

The outdoor unit coils are factory-built of aluminum fins mechanically bonded on copper tubing. Coils have a minimum of two rows, a minimum of 14 fins per inch, and have been factory pressure-tested.

Coil fins also have a factory applied corrosion-resistant GoldFin™ material with hydrophilic coating that has been tested in accordance with ASTM B-117 salt spray test procedure for a minimum of 1,000 hours.

Electrical

Multi F MAX outdoor unit shall be 208/230V, 1 phase, 60Hz electrical power capable of operating within ±10% of the rated voltage.

Controls

Factory installed microprocessor controls in the outdoor unit, BD unit(s), and indoor units shall perform functions to efficiently operate the multi zone system. System wiring must be installed in a tree configuration from outdoor unit to BD unit(s) to indoor units through four conductor power/transmission cable. The system is capable of performing continuous operation, even when power is turned off to an individual indoor unit.

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MULTI F MAX OUTDOOR UNIT

General Data

MULTI F
MULTI F MAX

Table 115: Multi F MAX Outdoor Unit General Data.

Model Number	LMU540HV
Rated Cooling Capacity (Btu/h)[1]	52,500
Rated Heating Capacity (Btu/h)[1]	58,000
Operating Range	
Cooling (°F DB)	14 - 118
Heating (°F WB)	0 - 64
Compressor	
Inverter Quantity	Twin Rotary x 1
Oil/Type	FVC68D
Fan (Side Discharge)	
Type	Propeller
Motor Output (W) x Qty.	124.2 x 2
Motor/Drive	Brushless Digitally Controlled/Direct
Maximum Air Volume (CFM)	2,119 x 2
Unit Data	
Refrigerant Type	R410A
Refrigerant Control/Location	EEV / Outdoor Unit, Branch Distribution Unit
Min. Number Indoor Units/System[2]	2
Max. Number Indoor Units/System[2]	8
Maximum Allowable Total Indoor Unit Connected Capacity (Btu/h)	73,000
Sound Pressure ±3 dB(A)[3] (Cooling / Heating)	54 / 56
Net Unit Weight (lbs.)	213.8
Shipping Weight (lbs.)	236
Power Wiring / Communication Cables[4] (No. x AWG)	4 x 16
Heat Exchanger	
Material and Fin Coating	Copper Tube / Aluminum Fin and GoldFin™/Hydrophilic
Rows/Columns/Fins per inch x Qty.	(2 x 32 x 14) x 2
Piping	
Liquid Line Connection (in., OD) x Qty.	3/8 x 1
Vapor Line Connection (in., OD) x Qty.	3/4 x 1
Factory Charge lbs. of R410A	9.7
Piping Lengths	
Maximum Total System Piping (ft.)[5]	476
Maximum Main Pipe Length (Outdoor Unit to Branch Distribution Unit [ft.])	180
Total Branch Piping (Branch Distribution Units to all Indoor Units [ft.])	295
Maximum Branch Pipe Length (Length between each BDU and IDU [ft.])	49
Maximum Outdoor Unit to Indoor Unit Pipe Length (ft.)	230
Piping Length (No Additional Refrigerant [ft.]; 16 ft. of Main Piping + 131 ft. of Branch Piping)	147
Maximum Elevation between Outdoor Unit and Indoor Unit (ft.)	98
Maximum Elevation between Indoor Unit and Indoor Unit (ft.)	49
Maximum Elevation between Branch Distribution Unit and Indoor Unit (ft.)	33
Maximum Elevation between Branch Distribution Unit and Branch Distribution Unit (ft.)	49

[1]Rated capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.

Rated cooling capacity obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB) and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).
Rated heating capacity obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB) and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

[2]At least one Branch Distribution Unit is required for system operation; a maximum of two can be installed per outdoor unit with use of Y-branch accessory (PMBL5620). At least two indoor units should be connected. For allocated capacity information, see the combination tables on pages 131 to 136.

[3]Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745. These values can increase due to ambient conditions during operation.

[4]All power wiring / communication cable to be minimum 16 AWG from the outdoor unit to the BD unit, and 18 AWG from the BD unit to the indoor unit, stranded, shielded, and must comply with applicable local and national codes. For detailed electrical information, please refer to electric characteristics on page 165.

[5]Piping lengths are equivalent.

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MULTI F MAX OUTDOOR UNIT

General Data

Table 116: LMU540HV Efficiency Ratings.[1,2]

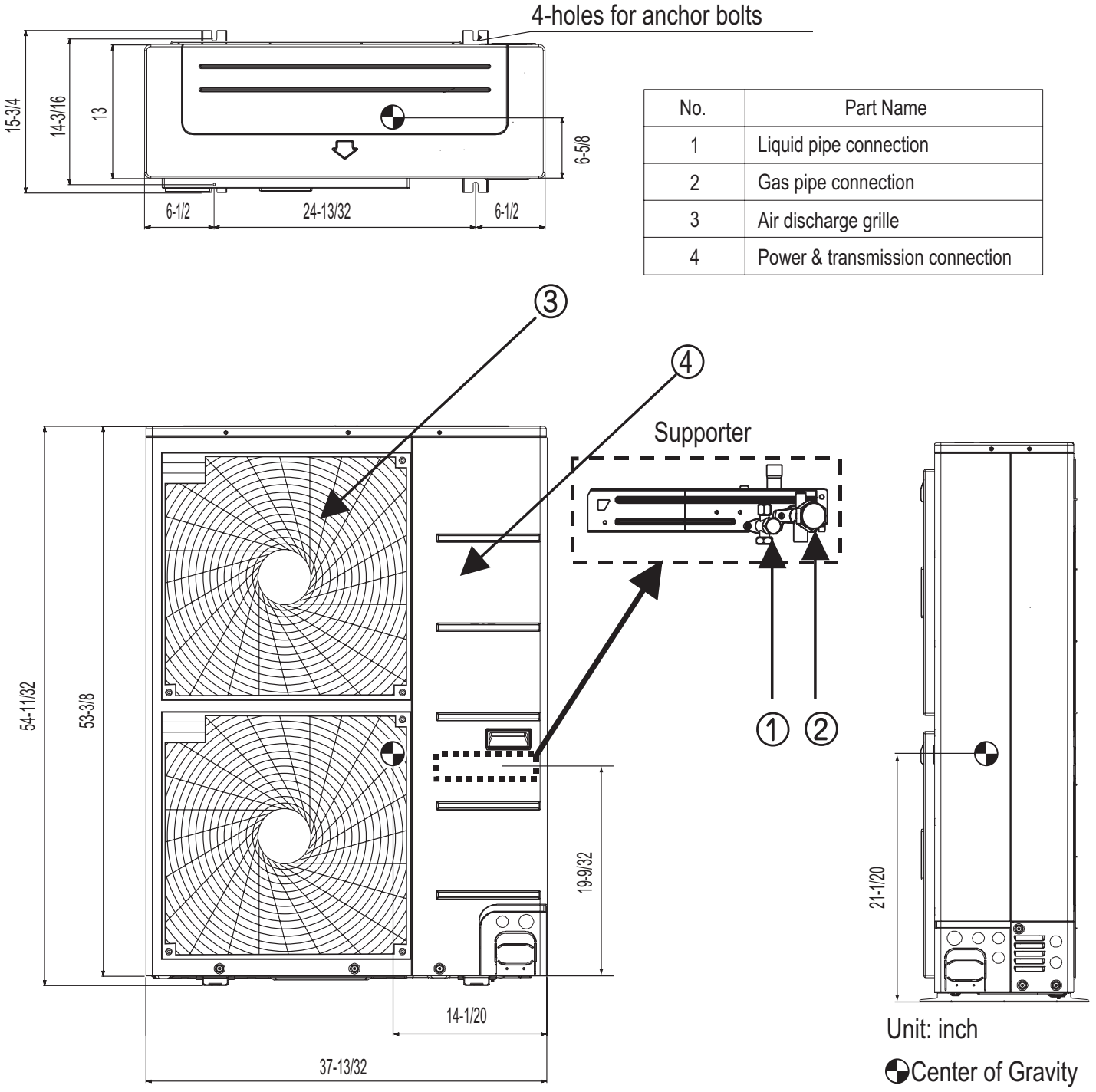
System	Combined With	Rated Cooling Capacity (Btu/h)	EER (95°F)	SEER	Rated Heating Capacity (Btu/h)	COP (47°F)	HSPF	Low Heating Capacity (Btu/h)	COP (17°F)	Energy Star
LMU540HV	Non-ducted Indoor Units	52,500	10.3	18.4	58,000	3.1	8.7	36,600	2.6	Yes
	Ducted Indoor Units	51,000	10.0	15.8	58,000	3.0	8.0	38,500	2.6	No
	Mixed Non-ducted and Ducted Indoor Units	51,750	10.15	17.1	58,000	3.0	8.35	37,550	2.6	No

[1]Rated capacity is rated 0 ft. above sea level with Piping Length as Main pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft., and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.
Rated cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB) and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).
Rated heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB) and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

[2]Rated capacity is certified under AHRI Standard 210 / 240. EER, IEER, COP, and HSPF are subject to change. See www.ahrinet.org for the latest values.

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Figure 20: LMU540HV External Dimensions.



No.	Part Name
1	Liquid pipe connection
2	Gas pipe connection
3	Air discharge grille
4	Power & transmission connection

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PERFORMANCE DATA

Rated Cooling Combination Tables

The individual indoor unit capacity can be calculated based on the outdoor unit Rated capacity as follows.[1]

$$\text{Individual Indoor Unit Combination Capacity (Qidu [Combi])} = \text{Outdoor Unit Rated Capacity (Qodu [Rated])} \times \frac{\text{Individual Indoor Unit Rated Capacity (Qidu [Rated])}}{\text{Total Connected Indoor Unit Rated Capacity } (\sum \text{Qidu [Rated]})}$$

[1]To calculate the individual IDU capacity based on ODU Corrected capacity, replace (Qodu [Rated]) with (Qodu [Corrected]) where (Qodu [Corrected]) is obtained from the capacity tables referencing design conditions.

Table 117: LMU540HV with Non-Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Cooling Capacity						Input (W)			EER	SEER
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	14,000	4.10	23,333	6.84	25,813	7.57	1,000	1,550	2,336	15.10	19.6
25	14,583	4.27	24,306	7.12	26,889	7.88	1,168	1,668	2,433	14.60	19.5
26	15,167	4.45	25,278	7.41	27,964	8.20	1,251	1,786	2,530	14.10	19.5
27	15,750	4.62	26,250	7.69	29,040	8.51	1,333	1,905	2,628	13.80	19.4
28	16,333	4.79	27,222	7.98	30,116	8.83	1,517	2,023	2,725	13.50	19.4
29	16,917	4.96	28,194	8.26	31,191	9.14	1,606	2,141	2,822	13.20	19.4
30	17,500	5.13	29,167	8.55	32,267	9.46	1,695	2,259	2,919	12.90	19.3
31	18,083	5.30	30,139	8.83	33,342	9.77	1,855	2,378	3,017	12.70	19.3
32	18,667	5.47	31,111	9.12	34,418	10.09	1,947	2,496	3,114	12.50	19.3
33	19,250	5.64	32,083	9.40	35,493	10.40	2,039	2,614	3,211	12.30	19.2
34	19,833	5.81	33,056	9.69	36,569	10.72	2,131	2,732	3,309	12.10	19.2
35	20,417	5.98	34,028	9.97	37,644	11.03	2,280	2,851	3,406	11.90	19.1
36	21,000	6.15	35,000	10.26	38,720	11.35	2,375	2,969	3,503	11.80	19.1
37	21,583	6.33	35,972	10.54	39,796	11.66	2,470	3,087	3,601	11.70	19.1
38	22,167	6.50	36,944	10.83	40,871	11.98	2,564	3,205	3,698	11.50	19.0
39	22,750	6.67	37,917	11.11	41,947	12.29	2,659	3,324	3,795	11.40	19.0
40	23,333	6.84	38,889	11.40	43,022	12.61	2,753	3,442	3,893	11.30	18.9
41	23,917	7.01	39,861	11.68	44,098	12.92	2,848	3,560	3,990	11.20	18.9
42	24,500	7.18	40,833	11.97	45,173	13.24	2,943	3,678	4,087	11.10	18.9
43	25,083	7.35	41,806	12.25	46,249	13.55	3,037	3,796	4,185	11.00	18.8
44	25,667	7.52	42,778	12.54	47,324	13.87	3,132	3,915	4,282	10.90	18.8
45	26,250	7.69	43,750	12.82	48,400	14.19	3,226	4,033	4,379	10.80	18.7
46	26,833	7.86	44,722	13.11	49,476	14.50	3,321	4,151	4,476	10.80	18.7
47	27,417	8.04	45,694	13.39	50,551	14.82	3,415	4,269	4,574	10.70	18.7
48	28,000	8.21	46,667	13.68	51,627	15.13	3,510	4,388	4,671	10.60	18.6
49	28,583	8.38	47,639	13.96	52,702	15.45	3,605	4,506	4,768	10.60	18.6
50	29,167	8.55	48,611	14.25	53,778	15.76	3,699	4,624	4,866	10.50	18.6
51	29,750	8.72	49,583	14.53	54,853	16.08	3,794	4,742	4,963	10.50	18.5
52	30,333	8.89	50,556	14.82	55,929	16.39	3,888	4,861	5,060	10.40	18.5
53	30,917	9.06	51,528	15.10	57,004	16.71	3,983	4,979	5,158	10.30	18.4
54	31,500	9.23	52,500	15.39	58,080	17.02	4,078	5,097	5,255	10.30	18.4
55	31,892	9.35	52,666	15.44	58,349	17.10	4,102	5,128	5,287	10.30	18.3
56	32,285	9.46	52,832	15.48	58,619	17.18	4,127	5,159	5,319	10.20	18.2
57	32,677	9.58	52,997	15.53	58,888	17.26	4,152	5,190	5,351	10.20	18.1
58	33,069	9.69	53,163	15.58	59,158	17.34	4,176	5,221	5,382	10.20	18.0
59	33,462	9.81	53,329	15.63	59,427	17.42	4,201	5,252	5,414	10.20	17.9
60	33,854	9.92	53,495	15.68	59,697	17.50	4,226	5,282	5,446	10.10	17.8
61	34,247	10.04	53,661	15.73	59,966	17.58	4,251	5,313	5,478	10.10	17.7
62	34,639	10.15	53,826	15.78	60,236	17.65	4,275	5,344	5,510	10.10	17.6
63	35,031	10.27	53,992	15.82	60,505	17.73	4,300	5,375	5,542	10.00	17.5
64	35,424	10.38	54,158	15.87	60,775	17.81	4,325	5,406	5,573	10.00	17.4
65	35,816	10.50	54,324	15.92	61,044	17.89	4,350	5,437	5,605	10.00	17.3
66	36,208	10.61	54,489	15.97	61,314	17.97	4,374	5,468	5,637	10.00	17.2
67	36,601	10.73	54,655	16.02	61,583	18.05	4,399	5,499	5,669	9.90	17.1
68	36,993	10.84	54,821	16.07	61,853	18.13	4,424	5,530	5,701	9.90	17.0
69	37,386	10.96	54,987	16.12	62,122	18.21	4,448	5,561	5,733	9.90	16.9
70	37,778	11.07	55,153	16.16	62,392	18.29	4,473	5,591	5,764	9.90	16.9
71	38,170	11.19	55,318	16.21	62,661	18.36	4,498	5,622	5,796	9.80	16.8
72	38,563	11.30	55,484	16.26	62,931	18.44	4,523	5,653	5,828	9.80	16.7
73	38,955	11.42	55,650	16.31	63,200	18.52	4,547	5,684	5,860	9.80	16.6

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Cooling Combination Tables

Table 118: LMU540HV with Ducted Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Cooling Capacity						Input (W)			EER	SEER
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	13,600	3.99	22,667	6.64	25,076	7.35	1,000	1,550	2,337	14.60	18.3
25	14,167	4.15	23,611	6.92	26,121	7.66	1,168	1,668	2,434	14.20	18.1
26	14,733	4.32	24,556	7.20	27,165	7.96	1,251	1,787	2,532	13.70	18.1
27	15,300	4.48	25,500	7.47	28,210	8.27	1,334	1,905	2,629	13.40	18.0
28	15,867	4.65	26,444	7.75	29,255	8.57	1,518	2,023	2,726	13.10	17.9
29	16,433	4.82	27,389	8.03	30,300	8.88	1,606	2,142	2,824	12.80	17.8
30	17,000	4.98	28,333	8.30	31,345	9.19	1,695	2,260	2,921	12.50	17.7
31	17,567	5.15	29,278	8.58	32,390	9.49	1,855	2,378	3,019	12.30	17.7
32	18,133	5.31	30,222	8.86	33,434	9.80	1,947	2,497	3,116	12.10	17.6
33	18,700	5.48	31,167	9.13	34,479	10.11	2,040	2,615	3,213	11.90	17.5
34	19,267	5.65	32,111	9.41	35,524	10.41	2,132	2,733	3,311	11.70	17.4
35	19,833	5.81	33,056	9.69	36,569	10.72	2,281	2,852	3,408	11.60	17.3
36	20,400	5.98	34,000	9.96	37,614	11.02	2,376	2,970	3,505	11.40	17.3
37	20,967	6.14	34,944	10.24	38,659	11.33	2,471	3,088	3,603	11.30	17.2
38	21,533	6.31	35,889	10.52	39,703	11.64	2,565	3,207	3,700	11.20	17.1
39	22,100	6.48	36,833	10.80	40,748	11.94	2,660	3,325	3,798	11.10	17.0
40	22,667	6.64	37,778	11.07	41,793	12.25	2,755	3,443	3,895	11.00	16.9
41	23,233	6.81	38,722	11.35	42,838	12.56	2,849	3,562	3,992	10.90	16.8
42	23,800	6.98	39,667	11.63	43,883	12.86	2,944	3,680	4,090	10.80	16.8
43	24,367	7.14	40,611	11.90	44,927	13.17	3,039	3,798	4,187	10.70	16.7
44	24,933	7.31	41,556	12.18	45,972	13.47	3,133	3,917	4,284	10.60	16.6
45	25,500	7.47	42,500	12.46	47,017	13.78	3,228	4,035	4,382	10.50	16.5
46	26,067	7.64	43,444	12.73	48,062	14.09	3,323	4,153	4,479	10.50	16.4
47	26,633	7.81	44,389	13.01	49,107	14.39	3,417	4,272	4,576	10.40	16.4
48	27,200	7.97	45,333	13.29	50,152	14.70	3,512	4,390	4,674	10.30	16.3
49	27,767	8.14	46,278	13.56	51,196	15.00	3,607	4,508	4,771	10.30	16.2
50	28,333	8.30	47,222	13.84	52,241	15.31	3,701	4,627	4,869	10.20	16.1
51	28,900	8.47	48,167	14.12	53,286	15.62	3,796	4,745	4,966	10.20	16.0
52	29,467	8.64	49,111	14.39	54,331	15.92	3,891	4,863	5,063	10.10	16.0
53	30,033	8.80	50,056	14.67	55,376	16.23	3,985	4,982	5,161	10.00	15.9
54	30,600	8.97	51,000	14.95	56,421	16.54	4,080	5,100	5,258	10.00	15.8
55	30,981	9.08	51,161	14.99	56,777	16.64	4,105	5,131	5,290	10.00	15.8
56	31,362	9.19	51,322	15.04	57,134	16.75	4,129	5,161	5,321	9.90	15.8
57	31,743	9.30	51,483	15.09	57,491	16.85	4,154	5,192	5,353	9.90	15.8
58	32,125	9.42	51,644	15.14	57,848	16.95	4,178	5,223	5,385	9.90	15.8
59	32,506	9.53	51,805	15.18	58,205	17.06	4,203	5,254	5,416	9.90	15.8
60	32,887	9.64	51,966	15.23	58,561	17.16	4,228	5,284	5,448	9.80	15.8
61	33,268	9.75	52,127	15.28	58,918	17.27	4,252	5,315	5,480	9.80	15.8
62	33,649	9.86	52,288	15.32	59,275	17.37	4,277	5,346	5,512	9.80	15.8
63	34,030	9.97	52,449	15.37	59,632	17.48	4,301	5,377	5,543	9.80	15.8
64	34,412	10.09	52,611	15.42	59,989	17.58	4,326	5,407	5,575	9.70	15.8
65	34,793	10.20	52,772	15.47	60,346	17.69	4,351	5,438	5,607	9.70	15.8
66	35,174	10.31	52,933	15.51	60,702	17.79	4,375	5,469	5,638	9.70	15.8
67	35,555	10.42	53,094	15.56	61,059	17.90	4,400	5,500	5,670	9.70	15.8
68	35,936	10.53	53,255	15.61	61,416	18.00	4,424	5,530	5,702	9.60	15.8
69	36,317	10.64	53,416	15.66	61,773	18.10	4,449	5,561	5,733	9.60	15.8
70	36,699	10.76	53,577	15.70	62,130	18.21	4,474	5,592	5,765	9.60	15.8
71	37,080	10.87	53,738	15.75	62,486	18.31	4,498	5,623	5,797	9.60	15.8
72	37,461	10.98	53,899	15.80	62,843	18.42	4,523	5,653	5,828	9.50	15.8
73	37,842	11.09	54,060	15.84	63,200	18.52	4,547	5,684	5,860	9.50	15.8

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Cooling Combination Tables

Table 119: LMU540HV with Mixed Indoor Units — Rated Cooling Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Cooling Capacity						Input (W)			EER	SEER
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	13,800	4.04	23,000	6.74	25,445	7.46	1,000	1,550	2,336	14.85	19.0
25	14,375	4.21	23,958	7.02	26,505	7.77	1,168	1,668	2,434	14.40	18.8
26	14,950	4.38	24,917	7.30	27,565	8.08	1,251	1,787	2,531	13.90	18.8
27	15,525	4.55	25,875	7.58	28,625	8.39	1,333	1,905	2,628	13.60	18.7
28	16,100	4.72	26,833	7.86	29,685	8.70	1,517	2,023	2,726	13.30	18.7
29	16,675	4.89	27,792	8.15	30,746	9.01	1,606	2,141	2,823	13.00	18.6
30	17,250	5.06	28,750	8.43	31,806	9.32	1,695	2,260	2,920	12.70	18.5
31	17,825	5.22	29,708	8.71	32,866	9.63	1,855	2,378	3,018	12.50	18.5
32	18,400	5.39	30,667	8.99	33,926	9.94	1,947	2,496	3,115	12.30	18.4
33	18,975	5.56	31,625	9.27	34,986	10.25	2,039	2,615	3,212	12.10	18.4
34	19,550	5.73	32,583	9.55	36,046	10.56	2,132	2,733	3,310	11.90	18.3
35	20,125	5.90	33,542	9.83	37,107	10.88	2,281	2,851	3,407	11.75	18.2
36	20,700	6.07	34,500	10.11	38,167	11.19	2,376	2,969	3,504	11.60	18.2
37	21,275	6.24	35,458	10.39	39,227	11.50	2,470	3,088	3,602	11.50	18.1
38	21,850	6.40	36,417	10.67	40,287	11.81	2,565	3,206	3,699	11.35	18.1
39	22,425	6.57	37,375	10.95	41,347	12.12	2,659	3,324	3,796	11.25	18.0
40	23,000	6.74	38,333	11.23	42,408	12.43	2,754	3,443	3,894	11.15	17.9
41	23,575	6.91	39,292	11.52	43,468	12.74	2,849	3,561	3,991	11.05	17.9
42	24,150	7.08	40,250	11.80	44,528	13.05	2,943	3,679	4,088	10.95	17.8
43	24,725	7.25	41,208	12.08	45,588	13.36	3,038	3,797	4,186	10.85	17.8
44	25,300	7.42	42,167	12.36	46,648	13.67	3,133	3,916	4,283	10.75	17.7
45	25,875	7.58	43,125	12.64	47,709	13.98	3,227	4,034	4,380	10.65	17.6
46	26,450	7.75	44,083	12.92	48,769	14.29	3,322	4,152	4,478	10.65	17.6
47	27,025	7.92	45,042	13.20	49,829	14.60	3,416	4,271	4,575	10.55	17.5
48	27,600	8.09	46,000	13.48	50,889	14.91	3,511	4,389	4,672	10.45	17.5
49	28,175	8.26	46,958	13.76	51,949	15.23	3,606	4,507	4,770	10.45	17.4
50	28,750	8.43	47,917	14.04	53,010	15.54	3,700	4,625	4,867	10.35	17.3
51	29,325	8.59	48,875	14.32	54,070	15.85	3,795	4,744	4,965	10.35	17.3
52	29,900	8.76	49,833	14.61	55,130	16.16	3,890	4,862	5,062	10.25	17.2
53	30,475	8.93	50,792	14.89	56,190	16.47	3,984	4,980	5,159	10.15	17.2
54	31,050	9.10	51,750	15.17	57,250	16.78	4,079	5,099	5,257	10.15	17.1
55	31,437	9.21	51,913	15.21	57,563	16.87	4,103	5,129	5,288	10.15	17.1
56	31,824	9.33	52,077	15.26	57,877	16.96	4,128	5,160	5,320	10.05	17.0
57	32,210	9.44	52,240	15.31	58,190	17.05	4,153	5,191	5,352	10.05	17.0
58	32,597	9.55	52,404	15.36	58,503	17.15	4,177	5,222	5,384	10.05	16.9
59	32,984	9.67	52,567	15.41	58,816	17.24	4,202	5,253	5,415	10.05	16.9
60	33,371	9.78	52,731	15.45	59,129	17.33	4,227	5,283	5,447	9.95	16.8
61	33,757	9.89	52,894	15.50	59,442	17.42	4,251	5,314	5,479	9.95	16.8
62	34,144	10.01	53,057	15.55	59,755	17.51	4,276	5,345	5,511	9.95	16.7
63	34,531	10.12	53,221	15.60	60,069	17.61	4,301	5,376	5,542	9.90	16.7
64	34,918	10.23	53,384	15.65	60,382	17.70	4,325	5,407	5,574	9.85	16.6
65	35,304	10.35	53,548	15.69	60,695	17.79	4,350	5,438	5,606	9.85	16.6
66	35,691	10.46	53,711	15.74	61,008	17.88	4,375	5,468	5,638	9.85	16.5
67	36,078	10.57	53,874	15.79	61,321	17.97	4,399	5,499	5,669	9.80	16.5
68	36,465	10.69	54,038	15.84	61,634	18.06	4,424	5,530	5,701	9.75	16.4
69	36,851	10.80	54,201	15.89	61,947	18.16	4,449	5,561	5,733	9.75	16.4
70	37,238	10.91	54,365	15.93	62,261	18.25	4,473	5,592	5,765	9.75	16.3
71	37,625	11.03	54,528	15.98	62,574	18.34	4,498	5,623	5,796	9.70	16.3
72	38,012	11.14	54,692	16.03	62,887	18.43	4,523	5,653	5,828	9.65	16.2
73	38,399	11.25	54,855	16.08	63,200	18.52	4,547	5,684	5,860	9.65	16.2

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 120: LMU540HV with Non-Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Heating Capacity						Input (W)			COP	HSPF
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	15,467	4.53	25,778	7.56	27,067	7.93	1,490	2,161	2,474	3.50	10.3
25	16,111	4.72	26,852	7.87	28,194	8.26	1,588	2,268	2,578	3.50	10.2
26	16,756	4.91	27,926	8.18	29,322	8.59	1,664	2,376	2,681	3.40	10.1
27	17,400	5.10	29,000	8.50	30,450	8.92	1,739	2,484	2,784	3.40	10.1
28	18,044	5.29	30,074	8.81	31,578	9.25	1,944	2,592	2,887	3.40	10.0
29	18,689	5.48	31,148	9.13	32,706	9.59	2,025	2,700	2,990	3.40	10.0
30	19,333	5.67	32,222	9.44	33,833	9.92	2,106	2,808	3,093	3.40	9.9
31	19,978	5.86	33,296	9.76	34,961	10.25	2,275	2,916	3,196	3.30	9.9
32	20,622	6.04	34,370	10.07	36,089	10.58	2,359	3,024	3,299	3.30	9.8
33	21,267	6.23	35,444	10.39	37,217	10.91	2,443	3,132	3,402	3.30	9.8
34	21,911	6.42	36,519	10.70	38,344	11.24	2,527	3,240	3,505	3.30	9.7
35	22,556	6.61	37,593	11.02	39,472	11.57	2,679	3,348	3,609	3.30	9.7
36	23,200	6.80	38,667	11.33	40,600	11.90	2,765	3,456	3,712	3.30	9.6
37	23,844	6.99	39,741	11.65	41,728	12.23	2,851	3,564	3,815	3.30	9.6
38	24,489	7.18	40,815	11.96	42,856	12.56	2,938	3,672	3,918	3.30	9.5
39	25,133	7.37	41,889	12.28	43,983	12.89	3,024	3,780	4,021	3.20	9.5
40	25,778	7.56	42,963	12.59	45,111	13.22	3,111	3,888	4,124	3.20	9.4
41	26,422	7.74	44,037	12.91	46,239	13.55	3,197	3,996	4,227	3.20	9.4
42	27,067	7.93	45,111	13.22	47,367	13.88	3,283	4,104	4,330	3.20	9.3
43	27,711	8.12	46,185	13.54	48,494	14.21	3,370	4,212	4,433	3.20	9.3
44	28,356	8.31	47,259	13.85	49,622	14.54	3,456	4,320	4,536	3.20	9.2
45	29,000	8.50	48,333	14.17	50,750	14.87	3,543	4,428	4,640	3.20	9.2
46	29,644	8.69	49,407	14.48	51,878	15.20	3,629	4,536	4,743	3.20	9.1
47	30,289	8.88	50,481	14.80	53,006	15.54	3,715	4,644	4,846	3.20	9.1
48	30,933	9.07	51,556	15.11	54,133	15.87	3,802	4,752	4,949	3.20	9.0
49	31,578	9.25	52,630	15.42	55,261	16.20	3,888	4,860	5,052	3.20	9.0
50	32,222	9.44	53,704	15.74	56,389	16.53	3,974	4,968	5,155	3.20	8.9
51	32,867	9.63	54,778	16.05	57,517	16.86	4,061	5,076	5,258	3.20	8.9
52	33,511	9.82	55,852	16.37	58,644	17.19	4,147	5,184	5,361	3.20	8.8
53	34,156	10.01	56,926	16.68	59,772	17.52	4,234	5,292	5,464	3.20	8.8
54	34,800	10.20	58,000	17.00	60,900	17.85	4,320	5,400	5,567	3.10	8.7
55	35,233	10.33	58,183	17.05	61,063	17.90	4,345	5,432	5,600	3.10	8.7
56	35,667	10.45	58,366	17.11	61,226	17.94	4,371	5,464	5,633	3.10	8.7
57	36,100	10.58	58,549	17.16	61,389	17.99	4,396	5,495	5,666	3.10	8.7
58	36,534	10.71	58,733	17.21	61,553	18.04	4,422	5,527	5,698	3.10	8.7
59	36,967	10.83	58,916	17.27	61,716	18.09	4,447	5,559	5,731	3.10	8.7
60	37,401	10.96	59,099	17.32	61,879	18.14	4,473	5,591	5,764	3.10	8.7
61	37,834	11.09	59,282	17.37	62,042	18.18	4,498	5,623	5,797	3.10	8.7
62	38,268	11.22	59,465	17.43	62,205	18.23	4,524	5,654	5,830	3.10	8.7
63	38,701	11.34	59,648	17.48	62,368	18.28	4,549	5,686	5,862	3.10	8.7
64	39,135	11.47	59,832	17.54	62,532	18.33	4,574	5,718	5,895	3.10	8.7
65	39,568	11.60	60,015	17.59	62,695	18.37	4,600	5,750	5,928	3.10	8.7
66	40,002	11.72	60,198	17.64	62,858	18.42	4,625	5,782	5,961	3.10	8.7
67	40,435	11.85	60,381	17.70	63,021	18.47	4,651	5,813	5,993	3.00	8.7
68	40,869	11.98	60,564	17.75	63,184	18.52	4,676	5,845	6,026	3.00	8.7
69	41,302	12.10	60,747	17.80	63,347	18.57	4,702	5,877	6,059	3.00	8.7
70	41,736	12.23	60,931	17.86	63,511	18.61	4,727	5,909	6,092	3.00	8.7
71	42,169	12.36	61,114	17.91	63,674	18.66	4,753	5,941	6,124	3.00	8.7
72	42,603	12.49	61,297	17.97	63,837	18.71	4,778	5,972	6,157	3.00	8.7
73	43,036	12.61	61,480	18.02	64,000	18.76	4,803	6,004	6,190	3.00	8.7

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 121: LMU540HV with Ducted Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Heating Capacity						Input (W)			COP	HSPF
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	15,467	4.53	25,778	7.56	27,067	7.93	1,490	2,310	2,557	3.30	9.8
25	16,111	4.72	26,852	7.87	28,194	8.26	1,645	2,419	2,663	3.30	9.7
26	16,756	4.91	27,926	8.18	29,322	8.59	1,719	2,528	2,770	3.20	9.6
27	17,400	5.10	29,000	8.50	30,450	8.92	1,793	2,637	2,876	3.20	9.6
28	18,044	5.29	30,074	8.81	31,578	9.25	1,977	2,746	2,983	3.20	9.5
29	18,689	5.48	31,148	9.13	32,706	9.59	2,055	2,855	3,090	3.20	9.5
30	19,333	5.67	32,222	9.44	33,833	9.92	2,134	2,964	3,196	3.20	9.4
31	19,978	5.86	33,296	9.76	34,961	10.25	2,304	3,073	3,303	3.20	9.3
32	20,622	6.04	34,370	10.07	36,089	10.58	2,386	3,182	3,409	3.20	9.3
33	21,267	6.23	35,444	10.39	37,217	10.91	2,468	3,291	3,516	3.20	9.2
34	21,911	6.42	36,519	10.70	38,344	11.24	2,550	3,400	3,622	3.10	9.2
35	22,556	6.61	37,593	11.02	39,472	11.57	2,737	3,509	3,729	3.10	9.1
36	23,200	6.80	38,667	11.33	40,600	11.90	2,822	3,618	3,835	3.10	9.0
37	23,844	6.99	39,741	11.65	41,728	12.23	2,907	3,727	3,942	3.10	9.0
38	24,489	7.18	40,815	11.96	42,856	12.56	2,992	3,836	4,048	3.10	8.9
39	25,133	7.37	41,889	12.28	43,983	12.89	3,156	3,945	4,155	3.10	8.9
40	25,778	7.56	42,963	12.59	45,111	13.22	3,243	4,054	4,261	3.10	8.8
41	26,422	7.74	44,037	12.91	46,239	13.55	3,330	4,163	4,368	3.10	8.8
42	27,067	7.93	45,111	13.22	47,367	13.88	3,417	4,272	4,475	3.10	8.7
43	27,711	8.12	46,185	13.54	48,494	14.21	3,505	4,381	4,581	3.10	8.6
44	28,356	8.31	47,259	13.85	49,622	14.54	3,592	4,490	4,688	3.10	8.6
45	29,000	8.50	48,333	14.17	50,750	14.87	3,679	4,599	4,794	3.10	8.5
46	29,644	8.69	49,407	14.48	51,878	15.20	3,766	4,708	4,901	3.10	8.5
47	30,289	8.88	50,481	14.80	53,006	15.54	3,854	4,817	5,007	3.10	8.4
48	30,933	9.07	51,556	15.11	54,133	15.87	3,941	4,926	5,114	3.10	8.3
49	31,578	9.25	52,630	15.42	55,261	16.20	4,028	5,035	5,220	3.10	8.3
50	32,222	9.44	53,704	15.74	56,389	16.53	4,115	5,144	5,327	3.10	8.2
51	32,867	9.63	54,778	16.05	57,517	16.86	4,202	5,253	5,433	3.10	8.2
52	33,511	9.82	55,852	16.37	58,644	17.19	4,290	5,362	5,540	3.10	8.1
53	34,156	10.01	56,926	16.68	59,772	17.52	4,377	5,471	5,646	3.00	8.1
54	34,800	10.20	58,000	17.00	60,900	17.85	4,464	5,580	5,753	3.00	8.0
55	35,233	10.33	58,183	17.05	61,021	17.88	4,482	5,602	5,776	3.00	8.0
56	35,667	10.45	58,366	17.11	61,142	17.92	4,500	5,625	5,799	3.00	8.0
57	36,100	10.58	58,549	17.16	61,263	17.96	4,518	5,647	5,822	3.00	8.0
58	36,534	10.71	58,733	17.21	61,384	17.99	4,535	5,669	5,845	3.00	8.0
59	36,967	10.83	58,916	17.27	61,505	18.03	4,553	5,692	5,868	3.00	8.0
60	37,401	10.96	59,099	17.32	61,626	18.06	4,571	5,714	5,891	3.00	8.0
61	37,834	11.09	59,282	17.37	61,747	18.10	4,589	5,736	5,914	3.00	8.0
62	38,268	11.22	59,465	17.43	61,868	18.13	4,607	5,759	5,937	3.00	8.0
63	38,701	11.34	59,648	17.48	61,989	18.17	4,625	5,781	5,960	3.00	8.0
64	39,135	11.47	59,832	17.54	62,111	18.20	4,643	5,803	5,983	3.00	8.0
65	39,568	11.60	60,015	17.59	62,232	18.24	4,661	5,826	6,006	3.00	8.0
66	40,002	11.72	60,198	17.64	62,353	18.27	4,678	5,848	6,029	3.00	8.0
67	40,435	11.85	60,381	17.70	62,474	18.31	4,696	5,870	6,052	3.00	8.0
68	40,869	11.98	60,564	17.75	62,595	18.35	4,714	5,893	6,075	3.00	8.0
69	41,302	12.10	60,747	17.80	62,716	18.38	4,732	5,915	6,098	3.00	8.0
70	41,736	12.23	60,931	17.86	62,837	18.42	4,750	5,937	6,121	3.00	8.0
71	42,169	12.36	61,114	17.91	62,958	18.45	4,768	5,960	6,144	3.00	8.0
72	42,603	12.49	61,297	17.97	63,079	18.49	4,786	5,982	6,167	3.00	8.0
73	43,036	12.61	61,480	18.02	63,200	18.52	4,803	6,004	6,190	3.00	8.0

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Rated Heating Combination Tables

Table 122: LMU540HV with Mixed Indoor Units — Rated Heating Combination Table.

Total Indoor Unit Capacity (kBtu/h)	Heating Capacity						Input (W)			COP	HSPF
	Minimum		Rated		Maximum		Minimum	Rated	Maximum		
	Btu/h	kW	Btu/h	kW	Btu/h	kW					
24	15,467	4.53	25,778	7.56	27,067	7.93	1,490	2,235	2,516	3.40	10.1
25	16,111	4.72	26,852	7.87	28,194	8.26	1,616	2,344	2,620	3.40	9.9
26	16,756	4.91	27,926	8.18	29,322	8.59	1,691	2,452	2,725	3.30	9.9
27	17,400	5.10	29,000	8.50	30,450	8.92	1,766	2,561	2,830	3.30	9.8
28	18,044	5.29	30,074	8.81	31,578	9.25	1,961	2,669	2,935	3.30	9.8
29	18,689	5.48	31,148	9.13	32,706	9.59	2,040	2,778	3,040	3.30	9.7
30	19,333	5.67	32,222	9.44	33,833	9.92	2,120	2,886	3,145	3.30	9.7
31	19,978	5.86	33,296	9.76	34,961	10.25	2,290	2,995	3,249	3.25	9.6
32	20,622	6.04	34,370	10.07	36,089	10.58	2,373	3,103	3,354	3.25	9.6
33	21,267	6.23	35,444	10.39	37,217	10.91	2,456	3,212	3,459	3.25	9.5
34	21,911	6.42	36,519	10.70	38,344	11.24	2,539	3,320	3,564	3.20	9.4
35	22,556	6.61	37,593	11.02	39,472	11.57	2,708	3,429	3,669	3.20	9.4
36	23,200	6.80	38,667	11.33	40,600	11.90	2,793	3,537	3,773	3.20	9.3
37	23,844	6.99	39,741	11.65	41,728	12.23	2,879	3,646	3,878	3.20	9.3
38	24,489	7.18	40,815	11.96	42,856	12.56	2,965	3,754	3,983	3.20	9.2
39	25,133	7.37	41,889	12.28	43,983	12.89	3,090	3,863	4,088	3.15	9.2
40	25,778	7.56	42,963	12.59	45,111	13.22	3,177	3,971	4,193	3.15	9.1
41	26,422	7.74	44,037	12.91	46,239	13.55	3,264	4,080	4,298	3.15	9.1
42	27,067	7.93	45,111	13.22	47,367	13.88	3,350	4,188	4,402	3.15	9.0
43	27,711	8.12	46,185	13.54	48,494	14.21	3,437	4,297	4,507	3.15	9.0
44	28,356	8.31	47,259	13.85	49,622	14.54	3,524	4,405	4,612	3.15	8.9
45	29,000	8.50	48,333	14.17	50,750	14.87	3,611	4,514	4,717	3.15	8.8
46	29,644	8.69	49,407	14.48	51,878	15.20	3,698	4,622	4,822	3.15	8.8
47	30,289	8.88	50,481	14.80	53,006	15.54	3,784	4,731	4,926	3.15	8.7
48	30,933	9.07	51,556	15.11	54,133	15.87	3,871	4,839	5,031	3.15	8.7
49	31,578	9.25	52,630	15.42	55,261	16.20	3,958	4,948	5,136	3.15	8.6
50	32,222	9.44	53,704	15.74	56,389	16.53	4,045	5,056	5,241	3.15	8.6
51	32,867	9.63	54,778	16.05	57,517	16.86	4,132	5,165	5,346	3.15	8.5
52	33,511	9.82	55,852	16.37	58,644	17.19	4,218	5,273	5,451	3.15	8.5
53	34,156	10.01	56,926	16.68	59,772	17.52	4,305	5,382	5,555	3.10	8.4
54	34,800	10.20	58,000	17.00	60,900	17.85	4,392	5,490	5,660	3.05	8.35
55	35,233	10.33	58,183	17.05	61,042	17.89	4,414	5,517	5,688	3.05	8.35
56	35,667	10.45	58,366	17.11	61,184	17.93	4,435	5,544	5,716	3.05	8.35
57	36,100	10.58	58,549	17.16	61,326	17.97	4,457	5,571	5,744	3.05	8.35
58	36,534	10.71	58,733	17.21	61,468	18.02	4,479	5,598	5,772	3.05	8.35
59	36,967	10.83	58,916	17.27	61,611	18.06	4,500	5,625	5,800	3.05	8.35
60	37,401	10.96	59,099	17.32	61,753	18.10	4,522	5,652	5,827	3.05	8.35
61	37,834	11.09	59,282	17.37	61,895	18.14	4,544	5,679	5,855	3.05	8.35
62	38,268	11.22	59,465	17.43	62,037	18.18	4,565	5,707	5,883	3.05	8.35
63	38,701	11.34	59,648	17.48	62,179	18.22	4,587	5,734	5,911	3.05	8.35
64	39,135	11.47	59,832	17.54	62,321	18.27	4,609	5,761	5,939	3.05	8.35
65	39,568	11.60	60,015	17.59	62,463	18.31	4,630	5,788	5,967	3.05	8.35
66	40,002	11.72	60,198	17.64	62,605	18.35	4,652	5,815	5,995	3.05	8.35
67	40,435	11.85	60,381	17.70	62,747	18.39	4,674	5,842	6,023	3.00	8.35
68	40,869	11.98	60,564	17.75	62,889	18.43	4,695	5,869	6,051	3.00	8.35
69	41,302	12.10	60,747	17.80	63,032	18.47	4,717	5,896	6,078	3.00	8.35
70	41,736	12.23	60,931	17.86	63,174	18.52	4,738	5,923	6,106	3.00	8.35
71	42,169	12.36	61,114	17.91	63,316	18.56	4,760	5,950	6,134	3.00	8.35
72	42,603	12.49	61,297	17.97	63,458	18.60	4,782	5,977	6,162	3.00	8.35
73	43,036	12.61	61,480	18.02	63,600	18.64	4,803	6,004	6,190	3.00	8.35

[1]Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

[2]Heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

[3]Wiring cable size must comply with the applicable local and national codes.

[4]The specification may be subject to change without prior notice for purpose of improvement.

[5]Sum of connected indoor units capacity is 24~73 kBtu/h.

[6]At least two indoor units should be connected.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 123: LMU540HV Cooling Capacity Table — Non-Ducted Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 73 (135%)	14	54.55	3.55	57.94	3.68	61.33	3.82	63.78	3.86	68.11	3.94	71.49	4.01
	20	54.51	3.61	57.90	3.74	61.28	3.87	63.73	3.92	68.05	3.99	71.44	4.07
	25	54.47	3.66	57.85	3.79	61.24	3.93	63.68	3.97	68.00	4.05	71.38	4.13
	30	54.43	3.71	57.81	3.84	61.19	3.98	63.63	4.03	67.95	4.10	71.33	4.19
	35	54.39	3.76	57.76	3.90	61.14	4.04	63.58	4.08	67.90	4.16	71.28	4.25
	40	54.35	3.81	57.72	3.95	61.10	4.09	63.53	4.14	67.85	4.22	71.22	4.30
	45	54.30	3.86	57.68	4.00	61.05	4.15	63.48	4.20	67.79	4.27	71.17	4.36
	50	54.26	3.91	57.63	4.05	61.00	4.20	63.44	4.25	67.74	4.33	71.11	4.42
	55	54.22	3.96	57.59	4.11	60.96	4.26	63.39	4.31	67.69	4.39	71.06	4.48
	60	54.18	4.01	57.54	4.16	60.91	4.31	63.34	4.36	67.64	4.44	71.00	4.53
	65	54.14	4.07	57.50	4.21	60.86	4.37	63.29	4.42	67.59	4.50	70.95	4.59
	70	54.10	4.12	57.46	4.27	60.82	4.42	63.24	4.47	67.53	4.56	70.89	4.65
	75	52.79	4.34	56.15	4.50	59.50	4.66	61.92	4.71	66.20	4.80	69.55	4.90
	80	51.49	4.56	54.84	4.73	58.18	4.90	60.59	4.96	64.86	5.05	68.21	5.15
	85	50.20	4.78	53.54	4.96	56.87	5.14	59.28	5.20	63.54	5.29	66.88	5.40
	90	48.91	5.00	52.24	5.19	55.56	5.38	57.97	5.44	62.22	5.54	65.54	5.65
	95	47.51	5.23	50.82	5.42	54.13	5.62	**55.65**	**5.68**	60.75	5.79	64.06	5.90
	100	46.35	5.45	49.66	5.65	52.97	5.85	54.93	5.92	59.59	6.03	62.90	6.15
	105	45.20	5.67	48.51	5.88	51.82	6.09	54.21	6.16	58.44	6.28	61.75	6.40
	110	44.04	5.89	47.35	6.11	50.66	6.33	53.05	6.40	57.28	6.52	60.59	6.66
	115	42.88	6.11	46.19	6.34	49.50	6.57	51.89	6.65	56.12	6.77	59.43	6.91
	118	42.19	6.25	45.50	6.48	48.81	6.71	51.20	6.79	55.43	6.92	58.74	7.06
	122	41.96	6.43	45.27	6.66	48.58	6.90	50.97	6.98	55.20	7.11	58.51	7.26
Non-Ducted Indoor Units 70 (130%)	14	54.06	3.50	57.42	3.63	60.78	3.76	63.20	3.80	67.49	3.87	70.85	3.95
	20	54.02	3.55	57.38	3.68	60.73	3.81	63.16	3.86	67.44	3.93	70.80	4.01
	25	53.98	3.60	57.33	3.73	60.69	3.87	63.11	3.91	67.39	3.98	70.74	4.06
	30	53.94	3.65	57.29	3.78	60.64	3.92	63.06	3.97	67.34	4.04	70.69	4.12
	35	53.90	3.70	57.25	3.83	60.59	3.97	63.01	4.02	67.29	4.10	70.64	4.18
	40	53.86	3.75	57.20	3.89	60.55	4.03	62.96	4.07	67.24	4.15	70.58	4.23
	45	53.82	3.80	57.16	3.94	60.50	4.08	62.91	4.13	67.18	4.21	70.53	4.29
	50	53.77	3.85	57.11	3.99	60.45	4.14	62.87	4.18	67.13	4.26	70.47	4.35
	55	53.73	3.90	57.07	4.04	60.41	4.19	62.82	4.24	67.08	4.32	70.42	4.40
	60	53.69	3.95	57.03	4.09	60.36	4.24	62.77	4.29	67.03	4.37	70.36	4.46
	65	53.65	4.00	56.98	4.15	60.31	4.30	62.72	4.35	66.98	4.43	70.31	4.52
	70	53.61	4.05	56.94	4.20	60.27	4.35	62.67	4.40	66.93	4.48	70.26	4.58
	75	52.32	4.27	55.64	4.43	58.96	4.59	61.36	4.64	65.60	4.73	68.93	4.82
	80	51.03	4.49	54.34	4.65	57.66	4.82	60.05	4.88	64.28	4.97	67.59	5.07
	85	49.75	4.71	53.06	4.88	56.36	5.06	58.75	5.11	62.97	5.21	66.28	5.32
	90	48.47	4.93	51.77	5.11	55.07	5.29	57.45	5.35	61.66	5.45	64.96	5.56
	95	47.08	5.14	50.36	5.33	53.65	5.53	**55.15**	**5.59**	60.21	5.69	63.49	5.81
	100	45.94	5.36	49.22	5.56	52.50	5.76	54.44	5.83	59.06	5.94	62.34	6.06
	105	44.79	5.58	48.07	5.78	51.35	6.00	53.72	6.07	57.91	6.18	61.19	6.30
	110	43.64	5.80	46.93	6.01	50.21	6.23	52.57	6.30	56.77	6.42	60.05	6.55
	115	42.50	6.02	45.78	6.24	49.06	6.47	51.43	6.54	55.62	6.66	58.90	6.80
	118	41.81	6.15	45.09	6.37	48.37	6.61	50.74	6.68	54.93	6.81	58.21	6.94
	122	41.58	6.32	44.86	6.55	48.14	6.79	50.51	6.87	54.70	7.00	57.98	7.14

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 124: LMU540HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 65 (120%)	14	53.25	3.40	56.56	3.53	59.86	3.66	62.25	3.70	66.48	3.77	69.79	3.84
	20	53.21	3.45	56.51	3.58	59.82	3.71	62.20	3.75	66.43	3.82	69.73	3.90
	25	53.17	3.50	56.47	3.63	59.77	3.76	62.16	3.81	66.38	3.88	69.68	3.96
	30	53.13	3.55	56.43	3.68	59.73	3.82	62.11	3.86	66.33	3.93	69.63	4.01
	35	53.09	3.60	56.38	3.73	59.68	3.87	62.06	3.91	66.28	3.99	69.57	4.07
	40	53.05	3.65	56.34	3.78	59.64	3.92	62.01	3.97	66.22	4.04	69.52	4.12
	45	53.01	3.70	56.30	3.83	59.59	3.97	61.97	4.02	66.17	4.09	69.47	4.18
	50	52.97	3.75	56.25	3.88	59.54	4.03	61.92	4.07	66.12	4.15	69.41	4.23
	55	52.92	3.80	56.21	3.93	59.50	4.08	61.87	4.12	66.07	4.20	69.36	4.29
	60	52.88	3.84	56.17	3.98	59.45	4.13	61.82	4.18	66.02	4.26	69.31	4.34
	65	52.84	3.89	56.13	4.04	59.41	4.18	61.78	4.23	65.97	4.31	69.25	4.40
	70	52.80	3.94	56.08	4.09	59.36	4.24	61.73	4.28	65.92	4.36	69.20	4.45
	75	51.53	4.16	54.80	4.31	58.07	4.46	60.44	4.52	64.62	4.60	67.89	4.69
	80	50.26	4.37	53.52	4.53	56.79	4.69	59.14	4.75	63.31	4.84	66.58	4.93
	85	49.00	4.58	52.26	4.75	55.51	4.92	57.86	4.98	62.02	5.07	65.28	5.17
	90	47.74	4.79	50.99	4.97	54.24	5.15	56.58	5.21	60.73	5.31	63.98	5.41
	95	46.38	5.01	49.61	5.19	52.84	5.38	**54.32**	**5.44**	59.30	5.54	62.53	5.65
	100	45.25	5.22	48.48	5.41	51.71	5.61	53.62	5.67	58.17	5.78	61.40	5.89
	105	44.12	5.43	47.35	5.63	50.58	5.84	52.91	5.90	57.04	6.01	60.27	6.13
	110	42.99	5.64	46.22	5.85	49.45	6.06	51.78	6.13	55.91	6.25	59.14	6.37
	115	41.86	5.86	45.09	6.07	48.32	6.29	50.65	6.36	54.78	6.48	58.01	6.61
	118	41.18	5.98	44.41	6.20	47.64	6.43	49.98	6.50	54.10	6.63	57.34	6.76
	122	40.96	6.15	44.19	6.38	47.42	6.61	49.75	6.69	53.88	6.81	57.11	6.95
Non-Ducted Indoor Units 59 (110%)	14	52.28	3.29	55.53	3.41	58.77	3.53	61.12	3.57	65.27	3.64	68.51	3.71
	20	52.24	3.33	55.48	3.45	58.73	3.58	61.07	3.62	65.22	3.69	68.46	3.76
	25	52.20	3.38	55.44	3.50	58.68	3.63	61.02	3.67	65.17	3.74	68.41	3.82
	30	52.16	3.43	55.40	3.55	58.64	3.68	60.98	3.72	65.12	3.79	68.36	3.87
	35	52.12	3.47	55.36	3.60	58.59	3.73	60.93	3.78	65.07	3.85	68.30	3.92
	40	52.08	3.52	55.31	3.65	58.55	3.78	60.88	3.83	65.02	3.90	68.25	3.98
	45	52.04	3.57	55.27	3.70	58.50	3.83	60.84	3.88	64.97	3.95	68.20	4.03
	50	52.00	3.62	55.23	3.75	58.46	3.88	60.79	3.93	64.92	4.00	68.15	4.08
	55	51.96	3.66	55.19	3.80	58.41	3.94	60.74	3.98	64.87	4.06	68.10	4.14
	60	51.92	3.71	55.14	3.85	58.37	3.99	60.70	4.03	64.82	4.11	68.04	4.19
	65	51.88	3.76	55.10	3.89	58.32	4.04	60.65	4.08	64.77	4.16	67.99	4.24
	70	51.84	3.80	55.06	3.94	58.28	4.09	60.60	4.13	64.72	4.21	67.94	4.30
	75	50.59	4.01	53.80	4.16	57.02	4.31	59.34	4.36	63.44	4.44	66.65	4.53
	80	49.35	4.22	52.55	4.37	55.75	4.53	58.07	4.58	62.16	4.67	65.36	4.76
	85	48.11	4.42	51.30	4.58	54.50	4.75	56.81	4.80	60.89	4.89	64.09	4.99
	90	46.87	4.63	50.06	4.79	53.25	4.97	55.55	5.03	59.62	5.12	62.81	5.22
	95	45.53	4.83	48.70	5.01	51.87	5.19	**53.33**	**5.25**	58.22	5.35	61.39	5.46
	100	44.42	5.04	47.59	5.22	50.77	5.41	52.64	5.47	57.11	5.58	60.28	5.69
	105	43.31	5.24	46.49	5.43	49.66	5.63	51.95	5.70	56.00	5.80	59.17	5.92
	110	42.20	5.45	45.38	5.65	48.55	5.85	50.84	5.92	54.89	6.03	58.06	6.15
	115	41.10	5.65	44.27	5.86	47.44	6.07	49.73	6.14	53.78	6.26	56.96	6.38
	118	40.43	5.78	43.60	5.99	46.77	6.20	49.07	6.28	53.12	6.39	56.29	6.52
	122	40.21	5.94	43.38	6.16	46.55	6.38	48.84	6.45	52.90	6.58	56.07	6.71

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 125: LMU540HV Cooling Capacity Table — Non-Ducted Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 54 (100%)	14	51.47	3.19	54.66	3.31	57.86	3.43	60.17	3.47	64.25	3.53	67.45	3.60
	20	51.43	3.24	54.62	3.36	57.81	3.48	60.12	3.52	64.20	3.58	67.40	3.66
	25	51.39	3.28	54.58	3.40	57.77	3.53	60.07	3.57	64.15	3.63	67.34	3.71
	30	51.35	3.33	54.54	3.45	57.73	3.58	60.03	3.62	64.10	3.69	67.29	3.76
	35	51.31	3.38	54.50	3.50	57.68	3.63	59.98	3.67	64.05	3.74	67.24	3.81
	40	51.27	3.42	54.45	3.55	57.64	3.68	59.94	3.72	64.01	3.79	67.19	3.86
	45	51.23	3.47	54.41	3.59	57.59	3.72	59.89	3.77	63.96	3.84	67.14	3.92
	50	51.19	3.51	54.37	3.64	57.55	3.77	59.85	3.82	63.91	3.89	67.09	3.97
	55	51.15	3.56	54.33	3.69	57.51	3.82	59.80	3.87	63.86	3.94	67.04	4.02
	60	51.11	3.60	54.29	3.74	57.46	3.87	59.75	3.92	63.81	3.99	66.98	4.07
	65	51.07	3.65	54.24	3.78	57.42	3.92	59.71	3.97	63.76	4.04	66.93	4.12
	70	51.03	3.70	54.20	3.83	57.37	3.97	59.66	4.02	63.71	4.09	66.88	4.17
	75	49.81	3.90	52.97	4.04	56.13	4.19	58.41	4.23	62.45	4.31	65.61	4.40
	80	48.58	4.09	51.73	4.24	54.89	4.40	57.16	4.45	61.19	4.53	64.35	4.62
	85	47.36	4.29	50.51	4.45	53.65	4.61	55.92	4.67	59.94	4.75	63.09	4.85
	90	46.14	4.49	49.28	4.66	52.42	4.83	54.69	4.88	58.70	4.97	61.83	5.07
	95	44.82	4.69	47.94	4.86	51.07	5.04	**52.50**	**5.10**	57.31	5.20	60.44	5.30
	100	43.73	4.89	46.85	5.07	49.98	5.26	51.82	5.32	56.22	5.42	59.34	5.53
	105	42.64	5.09	45.76	5.28	48.88	5.47	51.14	5.53	55.13	5.64	58.25	5.75
	110	41.55	5.29	44.67	5.48	47.79	5.68	50.05	5.75	54.04	5.86	57.16	5.98
	115	40.46	5.49	43.58	5.69	46.70	5.90	48.96	5.97	52.95	6.08	56.07	6.20
	118	39.80	5.61	42.92	5.82	46.05	6.03	48.30	6.10	52.29	6.21	55.41	6.34
	122	39.58	5.77	42.71	5.98	45.83	6.20	48.08	6.27	52.07	6.39	55.20	6.52
Non-Ducted Indoor Units 49 (90%)	14	46.70	2.82	49.60	2.93	52.50	3.03	54.60	3.07	58.30	3.12	61.20	3.19
	20	46.67	2.86	49.56	2.97	52.46	3.08	54.56	3.11	58.26	3.17	61.16	3.23
	25	46.63	2.90	49.53	3.01	52.42	3.12	54.51	3.16	58.21	3.21	61.11	3.28
	30	46.59	2.94	49.49	3.05	52.38	3.16	54.47	3.20	58.17	3.26	61.06	3.32
	35	46.56	2.98	49.45	3.09	52.34	3.21	54.43	3.24	58.12	3.30	61.02	3.37
	40	46.52	3.03	49.41	3.14	52.30	3.25	54.39	3.29	58.08	3.35	60.97	3.42
	45	46.49	3.07	49.37	3.18	52.26	3.29	54.35	3.33	58.04	3.39	60.92	3.46
	50	46.45	3.11	49.34	3.22	52.22	3.34	54.31	3.38	57.99	3.44	60.88	3.51
	55	46.42	3.15	49.30	3.26	52.18	3.38	54.26	3.42	57.95	3.48	60.83	3.55
	60	46.38	3.19	49.26	3.30	52.14	3.42	54.22	3.46	57.90	3.53	60.78	3.60
	65	46.35	3.23	49.22	3.35	52.10	3.47	54.18	3.51	57.86	3.57	60.74	3.65
	70	46.31	3.27	49.19	3.39	52.06	3.51	54.14	3.55	57.81	3.62	60.69	3.69
	75	45.20	3.44	48.06	3.57	50.93	3.70	53.01	3.74	56.67	3.81	59.54	3.89
	80	44.08	3.62	46.94	3.75	49.80	3.89	51.87	3.94	55.53	4.01	58.39	4.09
	85	42.98	3.80	45.83	3.94	48.69	4.08	50.75	4.13	54.40	4.20	57.25	4.29
	90	41.87	3.97	44.72	4.12	47.57	4.27	49.62	4.32	53.26	4.40	56.11	4.49
	95	40.67	4.15	43.51	4.30	46.34	4.46	**47.64**	**4.51**	52.01	4.59	54.84	4.69
	100	39.68	4.33	42.52	4.48	45.35	4.65	47.02	4.70	51.02	4.79	53.85	4.89
	105	38.69	4.50	41.53	4.67	44.36	4.84	46.41	4.89	50.03	4.98	52.86	5.09
	110	37.70	4.68	40.54	4.85	43.37	5.03	45.42	5.08	49.04	5.18	51.87	5.28
	115	36.71	4.86	39.54	5.03	42.38	5.22	44.42	5.28	48.05	5.38	50.88	5.48
	118	36.12	4.96	38.95	5.14	41.78	5.33	43.83	5.39	47.45	5.49	50.28	5.60
	122	35.92	5.10	38.75	5.29	41.59	5.48	43.63	5.54	47.25	5.65	50.09	5.76

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 126: LMU540HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 43 (80%)	14	40.99	2.38	43.53	2.46	46.08	2.55	47.92	2.58	51.17	2.63	53.71	2.69
	20	40.95	2.41	43.50	2.50	46.04	2.59	47.88	2.62	51.13	2.67	53.67	2.72
	25	40.92	2.45	43.47	2.54	46.01	2.63	47.84	2.66	51.09	2.71	53.63	2.76
	30	40.89	2.48	43.43	2.57	45.97	2.66	47.81	2.70	51.05	2.75	53.59	2.80
	35	40.86	2.51	43.40	2.61	45.94	2.70	47.77	2.73	51.01	2.78	53.55	2.84
	40	40.83	2.55	43.37	2.64	45.90	2.74	47.73	2.77	50.97	2.82	53.51	2.88
	45	40.80	2.58	43.33	2.68	45.87	2.78	47.70	2.81	50.93	2.86	53.47	2.92
	50	40.77	2.62	43.30	2.71	45.83	2.81	47.66	2.84	50.89	2.90	53.43	2.96
	55	40.74	2.65	43.27	2.75	45.80	2.85	47.62	2.88	50.86	2.94	53.39	2.99
	60	40.70	2.69	43.23	2.78	45.76	2.89	47.59	2.92	50.82	2.97	53.34	3.03
	65	40.67	2.72	43.20	2.82	45.73	2.92	47.55	2.96	50.78	3.01	53.30	3.07
	70	40.64	2.75	43.17	2.85	45.69	2.96	47.51	2.99	50.74	3.05	53.26	3.11
	75	39.66	2.90	42.18	3.01	44.70	3.12	46.52	3.15	49.74	3.21	52.25	3.28
	80	38.69	3.05	41.20	3.16	43.71	3.28	45.52	3.32	48.73	3.38	51.24	3.45
	85	37.72	3.20	40.22	3.32	42.73	3.44	44.54	3.48	47.74	3.54	50.24	3.61
	90	36.75	3.35	39.25	3.47	41.75	3.60	43.55	3.64	46.74	3.71	49.24	3.78
	95	35.70	3.50	38.18	3.62	40.67	3.76	**41.81**	**3.80**	45.64	3.87	48.13	3.95
	100	34.83	3.65	37.31	3.78	39.80	3.92	41.27	3.96	44.77	4.04	47.26	4.12
	105	33.96	3.79	36.44	3.93	38.93	4.08	40.73	4.12	43.90	4.20	46.39	4.28
	110	33.09	3.94	35.57	4.09	38.06	4.24	39.86	4.28	43.03	4.36	45.52	4.45
	115	32.22	4.09	34.71	4.24	37.19	4.40	38.99	4.45	42.17	4.53	44.65	4.62
	118	31.70	4.18	34.18	4.33	36.67	4.49	38.47	4.54	41.64	4.63	44.13	4.72
	122	31.52	4.30	34.01	4.46	36.50	4.62	38.29	4.67	41.47	4.76	43.96	4.86
Non-Ducted Indoor Units 38 (70%)	14	36.21	2.01	38.46	2.08	40.71	2.16	42.33	2.18	45.21	2.22	47.46	2.27
	20	36.18	2.04	38.43	2.11	40.68	2.19	42.30	2.21	45.17	2.26	47.42	2.30
	25	36.16	2.07	38.40	2.14	40.65	2.22	42.27	2.25	45.14	2.29	47.38	2.33
	30	36.13	2.10	38.37	2.17	40.62	2.25	42.24	2.28	45.10	2.32	47.35	2.37
	35	36.10	2.12	38.34	2.20	40.59	2.28	42.21	2.31	45.07	2.35	47.31	2.40
	40	36.07	2.15	38.31	2.23	40.55	2.31	42.17	2.34	45.04	2.38	47.28	2.43
	45	36.05	2.18	38.29	2.26	40.52	2.34	42.14	2.37	45.00	2.42	47.24	2.46
	50	36.02	2.21	38.26	2.29	40.49	2.38	42.11	2.40	44.97	2.45	47.20	2.50
	55	35.99	2.24	38.23	2.32	40.46	2.41	42.08	2.43	44.93	2.48	47.17	2.53
	60	35.96	2.27	38.20	2.35	40.43	2.44	42.04	2.47	44.90	2.51	47.13	2.56
	65	35.94	2.30	38.17	2.38	40.40	2.47	42.01	2.50	44.86	2.54	47.09	2.59
	70	35.91	2.33	38.14	2.41	40.37	2.50	41.98	2.53	44.83	2.58	47.06	2.63
	75	35.04	2.45	37.27	2.54	39.49	2.63	41.10	2.66	43.94	2.71	46.17	2.77
	80	34.18	2.58	36.40	2.67	38.62	2.77	40.22	2.80	43.06	2.85	45.28	2.91
	85	33.32	2.70	35.54	2.80	37.75	2.90	39.35	2.94	42.18	2.99	44.39	3.05
	90	32.47	2.83	34.68	2.93	36.88	3.04	38.48	3.07	41.30	3.13	43.51	3.19
	95	31.54	2.95	33.73	3.06	35.93	3.17	**36.94**	**3.21**	40.33	3.27	42.52	3.34
	100	30.77	3.08	32.97	3.19	35.16	3.31	36.46	3.35	39.56	3.41	41.76	3.48
	105	30.00	3.20	32.20	3.32	34.40	3.44	35.98	3.48	38.79	3.55	40.99	3.62
	110	29.23	3.33	31.43	3.45	33.63	3.58	35.21	3.62	38.02	3.69	40.22	3.76
	115	28.47	3.46	30.66	3.58	32.86	3.71	34.45	3.76	37.25	3.83	39.45	3.90
	118	28.01	3.53	30.20	3.66	32.40	3.79	33.99	3.84	36.79	3.91	38.99	3.99
	122	27.85	3.63	30.05	3.76	32.25	3.90	33.83	3.95	36.64	4.02	38.84	4.10

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 127: LMU540HV Cooling Capacity Table — Non-Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 32 (60%)	14	30.50	1.56	32.39	1.62	34.29	1.68	35.65	1.70	38.07	1.73	39.97	1.77
	20	30.47	1.59	32.37	1.64	34.26	1.70	35.63	1.72	38.04	1.76	39.94	1.79
	25	30.45	1.61	32.34	1.67	34.23	1.73	35.60	1.75	38.01	1.78	39.91	1.82
	30	30.43	1.63	32.32	1.69	34.21	1.75	35.57	1.77	37.99	1.81	39.88	1.84
	35	30.40	1.65	32.29	1.71	34.18	1.78	35.54	1.80	37.96	1.83	39.85	1.87
	40	30.38	1.68	32.27	1.74	34.15	1.80	35.52	1.82	37.93	1.86	39.81	1.89
	45	30.36	1.70	32.24	1.76	34.13	1.83	35.49	1.85	37.90	1.88	39.78	1.92
	50	30.33	1.72	32.22	1.78	34.10	1.85	35.46	1.87	37.87	1.91	39.75	1.94
	55	30.31	1.74	32.19	1.81	34.08	1.87	35.44	1.90	37.84	1.93	39.72	1.97
	60	30.29	1.77	32.17	1.83	34.05	1.90	35.41	1.92	37.81	1.96	39.69	2.00
	65	30.26	1.79	32.14	1.85	34.02	1.92	35.38	1.94	37.78	1.98	39.66	2.02
	70	30.24	1.81	32.12	1.88	34.00	1.95	35.35	1.97	37.75	2.01	39.63	2.05
	75	29.51	1.91	31.39	1.98	33.26	2.05	34.61	2.08	37.01	2.11	38.88	2.16
	80	28.79	2.01	30.65	2.08	32.52	2.16	33.87	2.18	36.26	2.22	38.13	2.27
	85	28.06	2.10	29.93	2.18	31.79	2.26	33.14	2.29	35.52	2.33	37.39	2.38
	90	27.34	2.20	29.20	2.28	31.06	2.37	32.41	2.39	34.78	2.44	36.64	2.49
	95	26.56	2.30	28.41	2.38	30.26	2.47	**31.11**	**2.50**	33.96	2.55	35.81	2.60
	100	25.91	2.40	27.76	2.49	29.61	2.58	30.71	2.61	33.32	2.66	35.17	2.71
	105	25.27	2.50	27.12	2.59	28.97	2.68	30.30	2.71	32.67	2.76	34.52	2.82
	110	24.62	2.59	26.47	2.69	28.32	2.79	29.66	2.82	32.02	2.87	33.87	2.93
	115	23.97	2.69	25.82	2.79	27.67	2.89	29.01	2.92	31.37	2.98	33.23	3.04
	118	23.59	2.75	25.44	2.85	27.29	2.95	28.62	2.99	30.99	3.04	32.84	3.11
	122	23.46	2.83	25.31	2.93	27.16	3.04	28.49	3.07	30.86	3.13	32.71	3.19
Non-Ducted Indoor Units 27 (50%)	14	25.73	1.20	27.33	1.24	28.93	1.28	30.08	1.30	32.13	1.32	33.72	1.35
	20	25.71	1.21	27.31	1.26	28.91	1.30	30.06	1.32	32.10	1.34	33.70	1.37
	25	25.69	1.23	27.29	1.27	28.88	1.32	30.04	1.34	32.08	1.36	33.67	1.39
	30	25.67	1.25	27.27	1.29	28.86	1.34	30.01	1.35	32.05	1.38	33.65	1.41
	35	25.65	1.26	27.25	1.31	28.84	1.36	29.99	1.37	32.03	1.40	33.62	1.43
	40	25.63	1.28	27.23	1.33	28.82	1.38	29.97	1.39	32.00	1.42	33.59	1.45
	45	25.62	1.30	27.21	1.35	28.80	1.39	29.95	1.41	31.98	1.44	33.57	1.47
	50	25.60	1.32	27.19	1.36	28.77	1.41	29.92	1.43	31.95	1.46	33.54	1.49
	55	25.58	1.33	27.16	1.38	28.75	1.43	29.90	1.45	31.93	1.48	33.52	1.51
	60	25.56	1.35	27.14	1.40	28.73	1.45	29.88	1.47	31.90	1.49	33.49	1.52
	65	25.54	1.37	27.12	1.42	28.71	1.47	29.85	1.49	31.88	1.51	33.47	1.54
	70	25.52	1.38	27.10	1.43	28.69	1.49	29.83	1.50	31.86	1.53	33.44	1.56
	75	24.90	1.46	26.48	1.51	28.06	1.57	29.21	1.59	31.23	1.62	32.81	1.65
	80	24.29	1.53	25.87	1.59	27.44	1.65	28.58	1.67	30.60	1.70	32.17	1.73
	85	23.68	1.61	25.25	1.67	26.83	1.73	27.96	1.75	29.97	1.78	31.55	1.82
	90	23.07	1.68	24.64	1.74	26.21	1.81	27.34	1.83	29.35	1.86	30.92	1.90
	95	22.41	1.76	23.97	1.82	25.53	1.89	**26.25**	**1.91**	28.66	1.95	30.22	1.98
	100	21.87	1.83	23.43	1.90	24.99	1.97	25.91	1.99	28.11	2.03	29.67	2.07
	105	21.32	1.91	22.88	1.98	24.44	2.05	25.57	2.07	27.56	2.11	29.13	2.15
	110	20.77	1.98	22.34	2.05	23.90	2.13	25.02	2.15	27.02	2.19	28.58	2.24
	115	20.23	2.06	21.79	2.13	23.35	2.21	24.48	2.23	26.47	2.28	28.03	2.32
	118	19.90	2.10	21.46	2.18	23.02	2.26	24.15	2.28	26.15	2.33	27.71	2.37
	122	19.79	2.16	21.35	2.24	22.91	2.32	24.04	2.35	26.04	2.39	27.60	2.44

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 128: LMU540HV Cooling Capacity Table — Non-Ducted (continued) / Ducted Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 24 (40%)	14	22.87	0.97	24.29	1.01	25.71	1.04	26.74	1.05	28.55	1.07	29.97	1.10
	20	22.85	0.98	24.27	1.02	25.69	1.06	26.72	1.07	28.53	1.09	29.95	1.11
	25	22.84	1.00	24.25	1.03	25.67	1.07	26.70	1.08	28.51	1.10	29.93	1.13
	30	22.82	1.01	24.24	1.05	25.65	1.09	26.68	1.10	28.49	1.12	29.90	1.14
	35	22.80	1.03	24.22	1.06	25.63	1.10	26.66	1.11	28.46	1.14	29.88	1.16
	40	22.78	1.04	24.20	1.08	25.61	1.12	26.63	1.13	28.44	1.15	29.86	1.17
	45	22.77	1.05	24.18	1.09	25.59	1.13	26.61	1.14	28.42	1.17	29.83	1.19
	50	22.75	1.07	24.16	1.11	25.57	1.15	26.59	1.16	28.40	1.18	29.81	1.21
	55	22.73	1.08	24.14	1.12	25.55	1.16	26.57	1.18	28.38	1.20	29.79	1.22
	60	22.71	1.10	24.12	1.14	25.53	1.18	26.55	1.19	28.36	1.21	29.77	1.24
	65	22.70	1.11	24.11	1.15	25.51	1.19	26.53	1.21	28.33	1.23	29.74	1.25
	70	22.68	1.12	24.09	1.16	25.50	1.21	26.51	1.22	28.31	1.24	29.72	1.27
	75	22.13	1.18	23.54	1.23	24.94	1.27	25.96	1.29	27.75	1.31	29.16	1.34
	80	21.59	1.24	22.99	1.29	24.39	1.34	25.40	1.35	27.19	1.38	28.59	1.41
	85	21.05	1.31	22.44	1.35	23.84	1.40	24.85	1.42	26.64	1.44	28.04	1.47
	90	20.51	1.37	21.90	1.42	23.29	1.47	24.30	1.48	26.08	1.51	27.48	1.54
	95	19.92	1.43	21.31	1.48	22.69	1.53	**23.33**	**1.55**	25.47	1.58	26.86	1.61
	100	19.43	1.49	20.82	1.54	22.21	1.60	23.03	1.62	24.98	1.65	26.37	1.68
	105	18.95	1.55	20.34	1.60	21.72	1.66	22.73	1.68	24.50	1.71	25.89	1.75
	110	18.46	1.61	19.85	1.67	21.24	1.73	22.24	1.75	24.01	1.78	25.40	1.82
	115	17.98	1.67	19.37	1.73	20.75	1.79	21.76	1.81	23.53	1.85	24.92	1.88
	118	17.69	1.71	19.07	1.77	20.46	1.83	21.46	1.85	23.24	1.89	24.63	1.93
	122	17.59	1.75	18.98	1.82	20.37	1.88	21.37	1.91	23.14	1.94	24.53	1.98
Ducted Indoor Units 73 (135%)	14	52.99	3.55	56.29	3.68	59.58	3.82	61.95	3.86	66.16	3.94	69.45	4.01
	20	52.95	3.61	56.24	3.74	59.53	3.87	61.91	3.92	66.11	3.99	69.40	4.07
	25	52.91	3.66	56.20	3.79	59.49	3.93	61.86	3.97	66.06	4.05	69.35	4.13
	30	52.87	3.71	56.16	3.84	59.44	3.98	61.81	4.03	66.01	4.10	69.29	4.19
	35	52.83	3.76	56.11	3.90	59.40	4.04	61.77	4.08	65.96	4.16	69.24	4.25
	40	52.79	3.81	56.07	3.95	59.35	4.09	61.72	4.14	65.91	4.22	69.19	4.30
	45	52.75	3.86	56.03	4.00	59.30	4.15	61.67	4.20	65.86	4.27	69.13	4.36
	50	52.71	3.91	55.99	4.05	59.26	4.20	61.62	4.25	65.81	4.33	69.08	4.42
	55	52.67	3.96	55.94	4.11	59.21	4.26	61.58	4.31	65.76	4.39	69.03	4.48
	60	52.63	4.01	55.90	4.16	59.17	4.31	61.53	4.36	65.71	4.44	68.97	4.53
	65	52.59	4.07	55.86	4.21	59.12	4.37	61.48	4.42	65.66	4.50	68.92	4.59
	70	52.55	4.12	55.81	4.27	59.08	4.42	61.43	4.47	65.60	4.56	68.87	4.65
	75	51.29	4.34	54.54	4.50	57.80	4.66	60.15	4.71	64.31	4.80	67.56	4.90
	80	50.02	4.56	53.27	4.73	56.52	4.90	58.86	4.96	63.01	5.05	66.26	5.15
	85	48.77	4.78	52.01	4.96	55.25	5.14	57.59	5.20	61.73	5.29	64.97	5.40
	90	47.51	5.00	50.75	5.19	53.98	5.38	56.31	5.44	60.44	5.54	63.67	5.65
	95	46.15	5.23	49.37	5.42	52.58	5.62	**54.06**	**5.68**	59.02	5.79	62.23	5.90
	100	45.03	5.45	48.25	5.65	51.46	5.85	53.36	5.92	57.89	6.03	61.11	6.15
	105	43.91	5.67	47.12	5.88	50.34	6.09	52.66	6.16	56.77	6.28	59.98	6.40
	110	42.78	5.89	46.00	6.11	49.21	6.33	51.54	6.40	55.64	6.52	58.86	6.66
	115	41.66	6.11	44.87	6.34	48.09	6.57	50.41	6.65	54.52	6.77	57.74	6.91
	118	40.98	6.25	44.20	6.48	47.41	6.71	49.74	6.79	53.85	6.92	57.06	7.06
	122	40.76	6.43	43.97	6.66	47.19	6.90	49.51	6.98	53.62	7.11	56.84	7.26

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 129: LMU540HV Cooling Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 70 (130%)	14	52.52	3.50	55.79	3.63	59.05	3.76	61.40	3.80	65.57	3.87	68.83	3.95
	20	52.48	3.55	55.74	3.68	59.00	3.81	61.36	3.86	65.52	3.93	68.78	4.01
	25	52.44	3.60	55.70	3.73	58.96	3.87	61.31	3.91	65.47	3.98	68.73	4.06
	30	52.40	3.65	55.66	3.78	58.91	3.92	61.26	3.97	65.42	4.04	68.68	4.12
	35	52.36	3.70	55.62	3.83	58.87	3.97	61.22	4.02	65.37	4.10	68.62	4.18
	40	52.32	3.75	55.57	3.89	58.82	4.03	61.17	4.07	65.32	4.15	68.57	4.23
	45	52.28	3.80	55.53	3.94	58.78	4.08	61.12	4.13	65.27	4.21	68.52	4.29
	50	52.24	3.85	55.49	3.99	58.73	4.14	61.08	4.18	65.22	4.26	68.47	4.35
	55	52.20	3.90	55.45	4.04	58.69	4.19	61.03	4.24	65.17	4.32	68.41	4.40
	60	52.16	3.95	55.40	4.09	58.64	4.24	60.98	4.29	65.12	4.37	68.36	4.46
	65	52.12	4.00	55.36	4.15	58.60	4.30	60.94	4.35	65.07	4.43	68.31	4.52
	70	52.08	4.05	55.32	4.20	58.55	4.35	60.89	4.40	65.02	4.48	68.26	4.58
	75	50.83	4.27	54.06	4.43	57.28	4.59	59.61	4.64	63.74	4.73	66.96	4.82
	80	49.58	4.49	52.80	4.65	56.01	4.82	58.34	4.88	62.45	4.97	65.67	5.07
	85	48.33	4.71	51.55	4.88	54.76	5.06	57.08	5.11	61.18	5.21	64.39	5.32
	90	47.09	4.93	50.30	5.11	53.50	5.29	55.81	5.35	59.90	5.45	63.11	5.56
	95	45.74	5.14	48.93	5.33	52.12	5.53	**53.58**	**5.59**	58.49	5.69	61.68	5.81
	100	44.63	5.36	47.82	5.56	51.00	5.76	52.89	5.83	57.38	5.94	60.56	6.06
	105	43.52	5.58	46.70	5.78	49.89	6.00	52.19	6.07	56.26	6.18	59.45	6.30
	110	42.40	5.80	45.59	6.01	48.78	6.23	51.08	6.30	55.15	6.42	58.34	6.55
	115	41.29	6.02	44.48	6.24	47.66	6.47	49.96	6.54	54.04	6.66	57.22	6.80
	118	40.62	6.15	43.81	6.37	46.99	6.61	49.30	6.68	53.37	6.81	56.55	6.94
	122	40.40	6.32	43.58	6.55	46.77	6.79	49.07	6.87	53.14	7.00	56.33	7.14
Ducted Indoor Units 65 (120%)	14	51.73	3.40	54.94	3.53	58.16	3.66	60.48	3.70	64.58	3.77	67.79	3.84
	20	51.69	3.45	54.90	3.58	58.11	3.71	60.43	3.75	64.53	3.82	67.74	3.90
	25	51.65	3.50	54.86	3.63	58.07	3.76	60.38	3.81	64.48	3.88	67.69	3.96
	30	51.61	3.55	54.82	3.68	58.02	3.82	60.34	3.86	64.43	3.93	67.64	4.01
	35	51.57	3.60	54.78	3.73	57.98	3.87	60.29	3.91	64.38	3.99	67.59	4.07
	40	51.53	3.65	54.73	3.78	57.93	3.92	60.25	3.97	64.33	4.04	67.54	4.12
	45	51.49	3.70	54.69	3.83	57.89	3.97	60.20	4.02	64.29	4.09	67.48	4.18
	50	51.45	3.75	54.65	3.88	57.85	4.03	60.15	4.07	64.24	4.15	67.43	4.23
	55	51.41	3.80	54.61	3.93	57.80	4.08	60.11	4.12	64.19	4.20	67.38	4.29
	60	51.38	3.84	54.57	3.98	57.76	4.13	60.06	4.18	64.14	4.26	67.33	4.34
	65	51.34	3.89	54.52	4.04	57.71	4.18	60.01	4.23	64.09	4.31	67.28	4.40
	70	51.30	3.94	54.48	4.09	57.67	4.24	59.97	4.28	64.04	4.36	67.22	4.45
	75	50.06	4.16	53.24	4.31	56.42	4.46	58.71	4.52	62.77	4.60	65.95	4.69
	80	48.83	4.37	52.00	4.53	55.17	4.69	57.46	4.75	61.51	4.84	64.68	4.93
	85	47.60	4.58	50.77	4.75	53.93	4.92	56.21	4.98	60.25	5.07	63.41	5.17
	90	46.38	4.79	49.53	4.97	52.69	5.15	54.97	5.21	59.00	5.31	62.15	5.41
	95	45.05	5.01	48.19	5.19	51.33	5.38	**52.77**	**5.44**	57.61	5.54	60.75	5.65
	100	43.96	5.22	47.09	5.41	50.23	5.61	52.09	5.67	56.51	5.78	59.65	5.89
	105	42.86	5.43	46.00	5.63	49.14	5.84	51.40	5.90	55.41	6.01	58.55	6.13
	110	41.76	5.64	44.90	5.85	48.04	6.06	50.31	6.13	54.32	6.25	57.45	6.37
	115	40.66	5.86	43.80	6.07	46.94	6.29	49.21	6.36	53.22	6.48	56.36	6.61
	118	40.01	5.98	43.14	6.20	46.28	6.43	48.55	6.50	52.56	6.63	55.70	6.76
	122	39.79	6.15	42.93	6.38	46.06	6.61	48.33	6.69	52.34	6.81	55.48	6.95

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 130: LMU540HV Cooling Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 59 (110%)	14	50.79	3.29	53.94	3.41	57.10	3.53	59.38	3.57	63.41	3.64	66.56	3.71
	20	50.75	3.33	53.90	3.45	57.05	3.58	59.33	3.62	63.36	3.69	66.51	3.76
	25	50.71	3.38	53.86	3.50	57.01	3.63	59.29	3.67	63.31	3.74	66.46	3.82
	30	50.67	3.43	53.82	3.55	56.97	3.68	59.24	3.72	63.26	3.79	66.41	3.87
	35	50.63	3.47	53.78	3.60	56.92	3.73	59.19	3.78	63.21	3.85	66.36	3.92
	40	50.60	3.52	53.74	3.65	56.88	3.78	59.15	3.83	63.16	3.90	66.31	3.98
	45	50.56	3.57	53.70	3.70	56.84	3.83	59.10	3.88	63.12	3.95	66.26	4.03
	50	50.52	3.62	53.66	3.75	56.79	3.88	59.06	3.93	63.07	4.00	66.21	4.08
	55	50.48	3.66	53.61	3.80	56.75	3.94	59.01	3.98	63.02	4.06	66.15	4.14
	60	50.44	3.71	53.57	3.85	56.71	3.99	58.97	4.03	62.97	4.11	66.10	4.19
	65	50.40	3.76	53.53	3.89	56.66	4.04	58.92	4.08	62.92	4.16	66.05	4.24
	70	50.36	3.80	53.49	3.94	56.62	4.09	58.88	4.13	62.87	4.21	66.00	4.30
	75	49.15	4.01	52.27	4.16	55.39	4.31	57.64	4.36	61.63	4.44	64.75	4.53
	80	47.94	4.22	51.05	4.37	54.16	4.53	56.41	4.58	60.39	4.67	63.50	4.76
	85	46.74	4.42	49.84	4.58	52.95	4.75	55.19	4.80	59.16	4.89	62.26	4.99
	90	45.54	4.63	48.63	4.79	51.73	4.97	53.97	5.03	57.92	5.12	61.02	5.22
	95	44.23	4.83	47.31	5.01	50.40	5.19	**51.81**	**5.25**	56.56	5.35	59.64	5.46
	100	43.16	5.04	46.24	5.22	49.32	5.41	51.14	5.47	55.48	5.58	58.56	5.69
	105	42.08	5.24	45.16	5.43	48.24	5.63	50.47	5.70	54.41	5.80	57.49	5.92
	110	41.00	5.45	44.08	5.65	47.16	5.85	49.39	5.92	53.33	6.03	56.41	6.15
	115	39.92	5.65	43.01	5.86	46.09	6.07	48.31	6.14	52.25	6.26	55.33	6.38
	118	39.28	5.78	42.36	5.99	45.44	6.20	47.67	6.28	51.60	6.39	54.69	6.52
	122	39.06	5.94	42.14	6.16	45.23	6.38	47.45	6.45	51.39	6.58	54.47	6.71
Ducted Indoor Units 54 (100%)	14	50.00	3.19	53.10	3.31	56.21	3.43	58.45	3.47	62.41	3.53	65.52	3.60
	20	49.96	3.24	53.06	3.36	56.16	3.48	58.40	3.52	62.37	3.58	65.47	3.66
	25	49.92	3.28	53.02	3.40	56.12	3.53	58.36	3.57	62.32	3.63	65.42	3.71
	30	49.88	3.33	52.98	3.45	56.08	3.58	58.31	3.62	62.27	3.69	65.37	3.76
	35	49.84	3.38	52.94	3.50	56.03	3.63	58.27	3.67	62.22	3.74	65.32	3.81
	40	49.80	3.42	52.90	3.55	55.99	3.68	58.22	3.72	62.18	3.79	65.27	3.86
	45	49.77	3.47	52.86	3.59	55.95	3.72	58.18	3.77	62.13	3.84	65.22	3.92
	50	49.73	3.51	52.82	3.64	55.90	3.77	58.14	3.82	62.08	3.89	65.17	3.97
	55	49.69	3.56	52.78	3.69	55.86	3.82	58.09	3.87	62.03	3.94	65.12	4.02
	60	49.65	3.60	52.74	3.74	55.82	3.87	58.05	3.92	61.99	3.99	65.07	4.07
	65	49.61	3.65	52.70	3.78	55.78	3.92	58.00	3.97	61.94	4.04	65.02	4.12
	70	49.58	3.70	52.65	3.83	55.73	3.97	57.96	4.02	61.89	4.09	64.97	4.17
	75	48.38	3.90	51.45	4.04	54.53	4.19	56.74	4.23	60.67	4.31	63.74	4.40
	80	47.19	4.09	50.25	4.24	53.32	4.40	55.53	4.45	59.44	4.53	62.51	4.62
	85	46.01	4.29	49.06	4.45	52.12	4.61	54.33	4.67	58.23	4.75	61.29	4.85
	90	44.82	4.49	47.87	4.66	50.92	4.83	53.12	4.88	57.02	4.97	60.07	5.07
	95	43.54	4.69	46.57	4.86	49.61	5.04	**51.00**	**5.10**	55.68	5.20	58.71	5.30
	100	42.48	4.89	45.51	5.07	48.55	5.26	50.34	5.32	54.61	5.42	57.65	5.53
	105	41.42	5.09	44.45	5.28	47.49	5.47	49.68	5.53	53.55	5.64	56.59	5.75
	110	40.36	5.29	43.39	5.48	46.43	5.68	48.62	5.75	52.49	5.86	55.53	5.98
	115	39.30	5.49	42.33	5.69	45.37	5.90	47.56	5.97	51.43	6.08	54.47	6.20
	118	38.66	5.61	41.70	5.82	44.73	6.03	46.92	6.10	50.80	6.21	53.83	6.34
	122	38.45	5.77	41.49	5.98	44.52	6.20	46.71	6.27	50.59	6.39	53.62	6.52

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 131: LMU540HV Cooling Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 49 (90%)	14	45.37	2.82	48.19	2.93	51.00	3.03	53.04	3.07	56.64	3.12	59.46	3.19
	20	45.33	2.86	48.15	2.97	50.96	3.08	53.00	3.11	56.60	3.17	59.41	3.23
	25	45.30	2.90	48.11	3.01	50.93	3.12	52.96	3.16	56.55	3.21	59.37	3.28
	30	45.26	2.94	48.08	3.05	50.89	3.16	52.92	3.20	56.51	3.26	59.32	3.32
	35	45.23	2.98	48.04	3.09	50.85	3.21	52.88	3.24	56.47	3.30	59.27	3.37
	40	45.20	3.03	48.00	3.14	50.81	3.25	52.84	3.29	56.42	3.35	59.23	3.42
	45	45.16	3.07	47.97	3.18	50.77	3.29	52.80	3.33	56.38	3.39	59.18	3.46
	50	45.13	3.11	47.93	3.22	50.73	3.34	52.76	3.38	56.34	3.44	59.14	3.51
	55	45.09	3.15	47.89	3.26	50.69	3.38	52.71	3.42	56.29	3.48	59.09	3.55
	60	45.06	3.19	47.85	3.30	50.65	3.42	52.67	3.46	56.25	3.53	59.05	3.60
	65	45.02	3.23	47.82	3.35	50.61	3.47	52.63	3.51	56.21	3.57	59.00	3.65
	70	44.99	3.27	47.78	3.39	50.58	3.51	52.59	3.55	56.16	3.62	58.96	3.69
	75	43.90	3.44	46.69	3.57	49.48	3.70	51.49	3.74	55.05	3.81	57.84	3.89
	80	42.82	3.62	45.60	3.75	48.38	3.89	50.39	3.94	53.94	4.01	56.72	4.09
	85	41.75	3.80	44.52	3.94	47.30	4.08	49.30	4.13	52.84	4.20	55.62	4.29
	90	40.68	3.97	43.44	4.12	46.21	4.27	48.21	4.32	51.74	4.40	54.51	4.49
	95	39.51	4.15	42.26	4.30	45.02	4.46	**46.28**	**4.51**	50.52	4.59	53.28	4.69
	100	38.55	4.33	41.30	4.48	44.05	4.65	45.68	4.70	49.56	4.79	52.31	4.89
	105	37.59	4.50	40.34	4.67	43.09	4.84	45.08	4.89	48.60	4.98	51.35	5.09
	110	36.63	4.68	39.38	4.85	42.13	5.03	44.12	5.08	47.64	5.18	50.39	5.28
	115	35.66	4.86	38.42	5.03	41.17	5.22	43.16	5.28	46.67	5.38	49.43	5.48
	118	35.09	4.96	37.84	5.14	40.59	5.33	42.58	5.39	46.10	5.49	48.85	5.60
	122	34.89	5.10	37.65	5.29	40.40	5.48	42.39	5.54	45.90	5.65	48.66	5.76
Ducted Indoor Units 43 (80%)	14	39.81	2.38	42.28	2.46	44.75	2.55	46.54	2.58	49.70	2.63	52.17	2.69
	20	39.78	2.41	42.25	2.50	44.72	2.59	46.50	2.62	49.66	2.67	52.13	2.72
	25	39.75	2.45	42.22	2.54	44.69	2.63	46.47	2.66	49.62	2.71	52.09	2.76
	30	39.72	2.48	42.19	2.57	44.65	2.66	46.43	2.70	49.59	2.75	52.05	2.80
	35	39.69	2.51	42.15	2.61	44.62	2.70	46.40	2.73	49.55	2.78	52.01	2.84
	40	39.66	2.55	42.12	2.64	44.58	2.74	46.36	2.77	49.51	2.82	51.97	2.88
	45	39.63	2.58	42.09	2.68	44.55	2.78	46.33	2.81	49.47	2.86	51.93	2.92
	50	39.60	2.62	42.06	2.71	44.52	2.81	46.29	2.84	49.43	2.90	51.89	2.96
	55	39.57	2.65	42.02	2.75	44.48	2.85	46.26	2.88	49.40	2.94	51.85	2.99
	60	39.54	2.69	41.99	2.78	44.45	2.89	46.22	2.92	49.36	2.97	51.81	3.03
	65	39.51	2.72	41.96	2.82	44.41	2.92	46.19	2.96	49.32	3.01	51.77	3.07
	70	39.48	2.75	41.93	2.85	44.38	2.96	46.15	2.99	49.28	3.05	51.73	3.11
	75	38.53	2.90	40.97	3.01	43.42	3.12	45.18	3.15	48.31	3.21	50.75	3.28
	80	37.58	3.05	40.02	3.16	42.46	3.28	44.22	3.32	47.33	3.38	49.77	3.45
	85	36.63	3.20	39.07	3.32	41.50	3.44	43.26	3.48	46.37	3.54	48.80	3.61
	90	35.69	3.35	38.12	3.47	40.55	3.60	42.30	3.64	45.40	3.71	47.83	3.78
	95	34.67	3.50	37.09	3.62	39.50	3.76	**40.61**	**3.80**	44.33	3.87	46.75	3.95
	100	33.83	3.65	36.24	3.78	38.66	3.92	40.08	3.96	43.49	4.04	45.90	4.12
	105	32.98	3.79	35.40	3.93	37.81	4.08	39.56	4.12	42.64	4.20	45.06	4.28
	110	32.14	3.94	34.55	4.09	36.97	4.24	38.71	4.28	41.80	4.36	44.22	4.45
	115	31.29	4.09	33.71	4.24	36.12	4.40	37.87	4.45	40.96	4.53	43.37	4.62
	118	30.79	4.18	33.20	4.33	35.62	4.49	37.36	4.54	40.45	4.63	42.86	4.72
	122	30.62	4.30	33.03	4.46	35.45	4.62	37.19	4.67	40.28	4.76	42.70	4.86

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 132: LMU540HV Cooling Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 38 (70%)	14	35.18	2.01	37.37	2.08	39.55	2.16	41.13	2.18	43.92	2.22	46.11	2.27
	20	35.16	2.04	37.34	2.11	39.52	2.19	41.10	2.21	43.89	2.26	46.07	2.30
	25	35.13	2.07	37.31	2.14	39.49	2.22	41.07	2.25	43.86	2.29	46.04	2.33
	30	35.10	2.10	37.28	2.17	39.46	2.25	41.04	2.28	43.82	2.32	46.00	2.37
	35	35.08	2.12	37.25	2.20	39.43	2.28	41.01	2.31	43.79	2.35	45.97	2.40
	40	35.05	2.15	37.23	2.23	39.40	2.31	40.97	2.34	43.76	2.38	45.93	2.43
	45	35.02	2.18	37.20	2.26	39.37	2.34	40.94	2.37	43.72	2.42	45.90	2.46
	50	35.00	2.21	37.17	2.29	39.34	2.38	40.91	2.40	43.69	2.45	45.86	2.50
	55	34.97	2.24	37.14	2.32	39.31	2.41	40.88	2.43	43.65	2.48	45.83	2.53
	60	34.94	2.27	37.11	2.35	39.28	2.44	40.85	2.47	43.62	2.51	45.79	2.56
	65	34.91	2.30	37.08	2.38	39.25	2.47	40.82	2.50	43.59	2.54	45.76	2.59
	70	34.89	2.33	37.05	2.41	39.22	2.50	40.79	2.53	43.55	2.58	45.72	2.63
	75	34.05	2.45	36.21	2.54	38.37	2.63	39.93	2.66	42.69	2.71	44.85	2.77
	80	33.21	2.58	35.36	2.67	37.52	2.77	39.08	2.80	41.83	2.85	43.99	2.91
	85	32.38	2.70	34.53	2.80	36.68	2.90	38.23	2.94	40.98	2.99	43.13	3.05
	90	31.54	2.83	33.69	2.93	35.84	3.04	37.38	3.07	40.13	3.13	42.27	3.19
	95	30.64	2.95	32.78	3.06	34.91	3.17	**35.89**	**3.21**	39.18	3.27	41.31	3.34
	100	29.90	3.08	32.03	3.19	34.16	3.31	35.43	3.35	38.43	3.41	40.57	3.48
	105	29.15	3.20	31.28	3.32	33.42	3.44	34.96	3.48	37.69	3.55	39.82	3.62
	110	28.40	3.33	30.54	3.45	32.67	3.58	34.21	3.62	36.94	3.69	39.08	3.76
	115	27.66	3.46	29.79	3.58	31.93	3.71	33.47	3.76	36.20	3.83	38.33	3.90
	118	27.21	3.53	29.34	3.66	31.48	3.79	33.02	3.84	35.75	3.91	37.88	3.99
	122	27.06	3.63	29.19	3.76	31.33	3.90	32.87	3.95	35.60	4.02	37.73	4.10
Ducted Indoor Units 32 (60%)	14	29.62	1.56	31.46	1.62	33.30	1.68	34.63	1.70	36.98	1.73	38.82	1.77
	20	29.60	1.59	31.44	1.64	33.28	1.70	34.61	1.72	36.96	1.76	38.79	1.79
	25	29.58	1.61	31.42	1.67	33.25	1.73	34.58	1.75	36.93	1.78	38.76	1.82
	30	29.56	1.63	31.39	1.69	33.23	1.75	34.55	1.77	36.90	1.81	38.73	1.84
	35	29.53	1.65	31.37	1.71	33.20	1.78	34.53	1.80	36.87	1.83	38.71	1.87
	40	29.51	1.68	31.34	1.74	33.18	1.80	34.50	1.82	36.84	1.86	38.68	1.89
	45	29.49	1.70	31.32	1.76	33.15	1.83	34.47	1.85	36.81	1.88	38.65	1.92
	50	29.47	1.72	31.30	1.78	33.13	1.85	34.45	1.87	36.79	1.91	38.62	1.94
	55	29.44	1.74	31.27	1.81	33.10	1.87	34.42	1.90	36.76	1.93	38.59	1.97
	60	29.42	1.77	31.25	1.83	33.08	1.90	34.40	1.92	36.73	1.96	38.56	2.00
	65	29.40	1.79	31.22	1.85	33.05	1.92	34.37	1.94	36.70	1.98	38.53	2.02
	70	29.38	1.81	31.20	1.88	33.02	1.95	34.34	1.97	36.67	2.01	38.50	2.05
	75	28.67	1.91	30.49	1.98	32.31	2.05	33.62	2.08	35.95	2.11	37.77	2.16
	80	27.96	2.01	29.78	2.08	31.59	2.16	32.90	2.18	35.22	2.22	37.04	2.27
	85	27.26	2.10	29.07	2.18	30.88	2.26	32.19	2.29	34.51	2.33	36.32	2.38
	90	26.56	2.20	28.37	2.28	30.17	2.37	31.48	2.39	33.79	2.44	35.59	2.49
	95	25.80	2.30	27.60	2.38	29.40	2.47	**30.22**	**2.50**	32.99	2.55	34.79	2.60
	100	25.17	2.40	26.97	2.49	28.77	2.58	29.83	2.61	32.36	2.66	34.16	2.71
	105	24.54	2.50	26.34	2.59	28.14	2.68	29.44	2.71	31.73	2.76	33.53	2.82
	110	23.92	2.59	25.71	2.69	27.51	2.79	28.81	2.82	31.11	2.87	32.90	2.93
	115	23.29	2.69	25.08	2.79	26.88	2.89	28.18	2.92	30.48	2.98	32.27	3.04
	118	22.91	2.75	24.71	2.85	26.51	2.95	27.80	2.99	30.10	3.04	31.90	3.11
	122	22.78	2.83	24.58	2.93	26.38	3.04	27.68	3.07	29.97	3.13	31.77	3.19

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 133: LMU540HV Cooling Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 27 (50%)	14	25.00	1.20	26.55	1.24	28.10	1.28	29.22	1.30	31.21	1.32	32.76	1.35
	20	24.98	1.21	26.53	1.26	28.08	1.30	29.20	1.32	31.18	1.34	32.73	1.37
	25	24.96	1.23	26.51	1.27	28.06	1.32	29.18	1.34	31.16	1.36	32.71	1.39
	30	24.94	1.25	26.49	1.29	28.04	1.34	29.16	1.35	31.14	1.38	32.68	1.41
	35	24.92	1.26	26.47	1.31	28.02	1.36	29.13	1.37	31.11	1.40	32.66	1.43
	40	24.90	1.28	26.45	1.33	28.00	1.38	29.11	1.39	31.09	1.42	32.63	1.45
	45	24.88	1.30	26.43	1.35	27.97	1.39	29.09	1.41	31.06	1.44	32.61	1.47
	50	24.86	1.32	26.41	1.36	27.95	1.41	29.07	1.43	31.04	1.46	32.58	1.49
	55	24.85	1.33	26.39	1.38	27.93	1.43	29.05	1.45	31.02	1.48	32.56	1.51
	60	24.83	1.35	26.37	1.40	27.91	1.45	29.02	1.47	30.99	1.49	32.54	1.52
	65	24.81	1.37	26.35	1.42	27.89	1.47	29.00	1.49	30.97	1.51	32.51	1.54
	70	24.79	1.38	26.33	1.43	27.87	1.49	28.98	1.50	30.95	1.53	32.49	1.56
	75	24.19	1.46	25.73	1.51	27.26	1.57	28.37	1.59	30.33	1.62	31.87	1.65
	80	23.59	1.53	25.13	1.59	26.66	1.65	27.76	1.67	29.72	1.70	31.25	1.73
	85	23.00	1.61	24.53	1.67	26.06	1.73	27.16	1.75	29.12	1.78	30.64	1.82
	90	22.41	1.68	23.94	1.74	25.46	1.81	26.56	1.83	28.51	1.86	30.03	1.90
	95	21.77	1.76	23.29	1.82	24.80	1.89	**25.50**	**1.91**	27.84	1.95	29.35	1.98
	100	21.24	1.83	22.76	1.90	24.27	1.97	25.17	1.99	27.31	2.03	28.82	2.07
	105	20.71	1.91	22.23	1.98	23.74	2.05	24.84	2.07	26.78	2.11	28.29	2.15
	110	20.18	1.98	21.70	2.05	23.21	2.13	24.31	2.15	26.25	2.19	27.76	2.24
	115	19.65	2.06	21.17	2.13	22.68	2.21	23.78	2.23	25.72	2.28	27.23	2.32
	118	19.33	2.10	20.85	2.18	22.37	2.26	23.46	2.28	25.40	2.33	26.92	2.37
	122	19.23	2.16	20.74	2.24	22.26	2.32	23.35	2.35	25.29	2.39	26.81	2.44
Ducted Indoor Units 24 (40%)	14	22.22	0.97	23.60	1.01	24.98	1.04	25.98	1.05	27.74	1.07	29.12	1.10
	20	22.21	0.98	23.59	1.02	24.96	1.06	25.96	1.07	27.72	1.09	29.10	1.11
	25	22.19	1.00	23.57	1.03	24.95	1.07	25.94	1.08	27.70	1.10	29.08	1.13
	30	22.17	1.01	23.55	1.05	24.93	1.09	25.92	1.10	27.68	1.12	29.06	1.14
	35	22.16	1.03	23.53	1.06	24.91	1.10	25.90	1.11	27.66	1.14	29.04	1.16
	40	22.14	1.04	23.51	1.08	24.89	1.12	25.88	1.13	27.64	1.15	29.01	1.17
	45	22.12	1.05	23.50	1.09	24.87	1.13	25.86	1.14	27.62	1.17	28.99	1.19
	50	22.10	1.07	23.48	1.11	24.85	1.15	25.84	1.16	27.60	1.18	28.97	1.21
	55	22.09	1.08	23.46	1.12	24.83	1.16	25.82	1.18	27.57	1.20	28.95	1.22
	60	22.07	1.10	23.44	1.14	24.81	1.18	25.80	1.19	27.55	1.21	28.92	1.24
	65	22.05	1.11	23.42	1.15	24.79	1.19	25.78	1.21	27.53	1.23	28.90	1.25
	70	22.04	1.12	23.41	1.16	24.77	1.21	25.76	1.22	27.51	1.24	28.88	1.27
	75	21.51	1.18	22.87	1.23	24.24	1.27	25.22	1.29	26.97	1.31	28.33	1.34
	80	20.98	1.24	22.34	1.29	23.70	1.34	24.68	1.35	26.42	1.38	27.79	1.41
	85	20.45	1.31	21.81	1.35	23.17	1.40	24.15	1.42	25.88	1.44	27.24	1.47
	90	19.93	1.37	21.28	1.42	22.64	1.47	23.61	1.48	25.35	1.51	26.70	1.54
	95	19.35	1.43	20.70	1.48	22.05	1.53	**22.67**	**1.55**	24.75	1.58	26.10	1.61
	100	18.88	1.49	20.23	1.54	21.58	1.60	22.38	1.62	24.28	1.65	25.63	1.68
	105	18.41	1.55	19.76	1.60	21.11	1.66	22.08	1.68	23.81	1.71	25.15	1.75
	110	17.94	1.61	19.29	1.67	20.64	1.73	21.61	1.75	23.33	1.78	24.68	1.82
	115	17.47	1.67	18.82	1.73	20.17	1.79	21.14	1.81	22.86	1.85	24.21	1.88
	118	17.19	1.71	18.53	1.77	19.88	1.83	20.86	1.85	22.58	1.89	23.93	1.93
	122	17.09	1.75	18.44	1.82	19.79	1.88	20.76	1.91	22.49	1.94	23.83	1.98

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 134: LMU540HV Cooling Capacity Table — Mixed Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 73 (135%)	14	53.78	3.55	57.12	3.68	60.46	3.82	62.87	3.86	67.14	3.94	70.48	4.01
	20	53.74	3.61	57.08	3.74	60.41	3.87	62.82	3.92	67.09	3.99	70.43	4.07
	25	53.70	3.66	57.03	3.79	60.37	3.93	62.78	3.97	67.04	4.05	70.37	4.13
	30	53.66	3.71	56.99	3.84	60.32	3.98	62.73	4.03	66.99	4.10	70.32	4.19
	35	53.62	3.76	56.94	3.90	60.27	4.04	62.68	4.08	66.93	4.16	70.26	4.25
	40	53.57	3.81	56.90	3.95	60.23	4.09	62.63	4.14	66.88	4.22	70.21	4.30
	45	53.53	3.86	56.86	4.00	60.18	4.15	62.58	4.20	66.83	4.27	70.16	4.36
	50	53.49	3.91	56.81	4.05	60.14	4.20	62.54	4.25	66.78	4.33	70.10	4.42
	55	53.45	3.96	56.77	4.11	60.09	4.26	62.49	4.31	66.73	4.39	70.05	4.48
	60	53.41	4.01	56.73	4.16	60.04	4.31	62.44	4.36	66.68	4.44	69.99	4.53
	65	53.37	4.07	56.68	4.21	60.00	4.37	62.39	4.42	66.63	4.50	69.94	4.59
	70	53.33	4.12	56.64	4.27	59.95	4.42	62.34	4.47	66.58	4.56	69.89	4.65
	75	52.04	4.34	55.35	4.50	58.65	4.66	61.04	4.71	65.26	4.80	68.56	4.90
	80	50.76	4.56	54.06	4.73	57.35	4.90	59.73	4.96	63.94	5.05	67.24	5.15
	85	49.49	4.78	52.78	4.96	56.06	5.14	58.44	5.20	62.64	5.29	65.93	5.40
	90	48.22	5.00	51.50	5.19	54.78	5.38	57.14	5.44	61.33	5.54	64.61	5.65
	95	46.84	5.23	50.10	5.42	53.36	5.62	**54.86**	**5.68**	59.89	5.79	63.15	5.90
	100	45.70	5.45	48.96	5.65	52.22	5.85	54.15	5.92	58.75	6.03	62.01	6.15
	105	44.56	5.67	47.82	5.88	51.08	6.09	53.44	6.16	57.61	6.28	60.87	6.40
	110	43.42	5.89	46.68	6.11	49.94	6.33	52.30	6.40	56.47	6.52	59.73	6.66
	115	42.27	6.11	45.54	6.34	48.80	6.57	51.16	6.65	55.33	6.77	58.59	6.91
	118	41.59	6.25	44.85	6.48	48.12	6.71	50.47	6.79	54.64	6.92	57.91	7.06
	122	41.36	6.43	44.63	6.66	47.89	6.90	50.24	6.98	54.41	7.11	57.68	7.26
Mixed Indoor Units 70 (130%)	14	53.30	3.50	56.61	3.63	59.92	3.76	62.31	3.80	66.54	3.87	69.85	3.95
	20	53.26	3.55	56.57	3.68	59.87	3.81	62.26	3.86	66.49	3.93	69.80	4.01
	25	53.22	3.60	56.52	3.73	59.83	3.87	62.21	3.91	66.44	3.98	69.74	4.06
	30	53.18	3.65	56.48	3.78	59.78	3.92	62.17	3.97	66.39	4.04	69.69	4.12
	35	53.14	3.70	56.44	3.83	59.74	3.97	62.12	4.02	66.34	4.10	69.64	4.18
	40	53.10	3.75	56.39	3.89	59.69	4.03	62.07	4.07	66.29	4.15	69.58	4.23
	45	53.05	3.80	56.35	3.94	59.64	4.08	62.02	4.13	66.23	4.21	69.53	4.29
	50	53.01	3.85	56.31	3.99	59.60	4.14	61.98	4.18	66.18	4.26	69.48	4.35
	55	52.97	3.90	56.26	4.04	59.55	4.19	61.93	4.24	66.13	4.32	69.42	4.40
	60	52.93	3.95	56.22	4.09	59.51	4.24	61.88	4.29	66.08	4.37	69.37	4.46
	65	52.89	4.00	56.18	4.15	59.46	4.30	61.83	4.35	66.03	4.43	69.32	4.52
	70	52.85	4.05	56.13	4.20	59.42	4.35	61.79	4.40	65.98	4.48	69.26	4.58
	75	51.58	4.27	54.85	4.43	58.13	4.59	60.49	4.64	64.68	4.73	67.95	4.82
	80	50.31	4.49	53.57	4.65	56.84	4.82	59.20	4.88	63.37	4.97	66.64	5.07
	85	49.05	4.71	52.31	4.88	55.56	5.06	57.92	5.11	62.08	5.21	65.34	5.32
	90	47.79	4.93	51.04	5.11	54.29	5.29	56.63	5.35	60.79	5.45	64.04	5.56
	95	46.42	5.14	49.65	5.33	52.89	5.53	**54.37**	**5.59**	59.35	5.69	62.59	5.81
	100	45.29	5.36	48.52	5.56	51.76	5.76	53.67	5.83	58.22	5.94	61.46	6.06
	105	44.16	5.58	47.39	5.78	50.63	6.00	52.96	6.07	57.09	6.18	60.33	6.30
	110	43.03	5.80	46.26	6.01	49.50	6.23	51.83	6.30	55.96	6.42	59.20	6.55
	115	41.90	6.02	45.13	6.24	48.36	6.47	50.70	6.54	54.83	6.66	58.07	6.80
	118	41.22	6.15	44.45	6.37	47.69	6.61	50.02	6.68	54.15	6.81	57.39	6.94
	122	40.99	6.32	44.23	6.55	47.46	6.79	49.80	6.87	53.93	7.00	57.16	7.14

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 135: LMU540HV Cooling Capacity Table — Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 65 (120%)	14	52.49	3.40	55.76	3.53	59.02	3.66	61.37	3.70	65.54	3.77	68.80	3.84
	20	52.45	3.45	55.71	3.58	58.97	3.71	61.32	3.75	65.49	3.82	68.74	3.90
	25	52.41	3.50	55.67	3.63	58.93	3.76	61.28	3.81	65.44	3.88	68.69	3.96
	30	52.37	3.55	55.63	3.68	58.88	3.82	61.23	3.86	65.39	3.93	68.64	4.01
	35	52.33	3.60	55.58	3.73	58.84	3.87	61.18	3.91	65.34	3.99	68.59	4.07
	40	52.29	3.65	55.54	3.78	58.79	3.92	61.14	3.97	65.29	4.04	68.53	4.12
	45	52.25	3.70	55.50	3.83	58.75	3.97	61.09	4.02	65.24	4.09	68.48	4.18
	50	52.21	3.75	55.46	3.88	58.70	4.03	61.04	4.07	65.19	4.15	68.43	4.23
	55	52.17	3.80	55.41	3.93	58.66	4.08	61.00	4.12	65.14	4.20	68.38	4.29
	60	52.13	3.84	55.37	3.98	58.61	4.13	60.95	4.18	65.09	4.26	68.32	4.34
	65	52.09	3.89	55.33	4.04	58.57	4.18	60.90	4.23	65.04	4.31	68.27	4.40
	70	52.05	3.94	55.29	4.09	58.52	4.24	60.85	4.28	64.99	4.36	68.22	4.45
	75	50.80	4.16	54.03	4.31	57.25	4.46	59.58	4.52	63.70	4.60	66.93	4.69
	80	49.55	4.37	52.77	4.53	55.98	4.69	58.31	4.75	62.42	4.84	65.63	4.93
	85	48.31	4.58	51.52	4.75	54.73	4.92	57.04	4.98	61.14	5.07	64.35	5.17
	90	47.07	4.79	50.27	4.97	53.47	5.15	55.78	5.21	59.87	5.31	63.07	5.41
	95	45.72	5.01	48.90	5.19	52.09	5.38	**53.55**	**5.44**	58.46	5.54	61.64	5.65
	100	44.61	5.22	47.79	5.41	50.98	5.61	52.86	5.67	57.35	5.78	60.53	5.89
	105	43.49	5.43	46.68	5.63	49.86	5.84	52.16	5.90	56.23	6.01	59.42	6.13
	110	42.38	5.64	45.56	5.85	48.75	6.06	51.05	6.13	55.12	6.25	58.30	6.37
	115	41.27	5.86	44.45	6.07	47.64	6.29	49.94	6.36	54.01	6.48	57.19	6.61
	118	40.60	5.98	43.78	6.20	46.97	6.43	49.27	6.50	53.34	6.63	56.52	6.76
	122	40.37	6.15	43.56	6.38	46.74	6.61	49.05	6.69	53.11	6.81	56.30	6.95
Mixed Indoor Units 59 (110%)	14	51.53	3.29	54.73	3.41	57.94	3.53	60.25	3.57	64.34	3.64	67.54	3.71
	20	51.49	3.33	54.69	3.45	57.89	3.58	60.20	3.62	64.29	3.69	67.49	3.76
	25	51.46	3.38	54.65	3.50	57.85	3.63	60.15	3.67	64.24	3.74	67.43	3.82
	30	51.42	3.43	54.61	3.55	57.80	3.68	60.11	3.72	64.19	3.79	67.38	3.87
	35	51.38	3.47	54.57	3.60	57.76	3.73	60.06	3.78	64.14	3.85	67.33	3.92
	40	51.34	3.52	54.53	3.65	57.71	3.78	60.02	3.83	64.09	3.90	67.28	3.98
	45	51.30	3.57	54.48	3.70	57.67	3.83	59.97	3.88	64.04	3.95	67.23	4.03
	50	51.26	3.62	54.44	3.75	57.63	3.88	59.93	3.93	63.99	4.00	67.18	4.08
	55	51.22	3.66	54.40	3.80	57.58	3.94	59.88	3.98	63.94	4.06	67.12	4.14
	60	51.18	3.71	54.36	3.85	57.54	3.99	59.83	4.03	63.89	4.11	67.07	4.19
	65	51.14	3.76	54.32	3.89	57.49	4.04	59.79	4.08	63.85	4.16	67.02	4.24
	70	51.10	3.80	54.28	3.94	57.45	4.09	59.74	4.13	63.80	4.21	66.97	4.30
	75	49.87	4.01	53.04	4.16	56.20	4.31	58.49	4.36	62.54	4.44	65.70	4.53
	80	48.64	4.22	51.80	4.37	54.96	4.53	57.24	4.58	61.27	4.67	64.43	4.76
	85	47.42	4.42	50.57	4.58	53.72	4.75	56.00	4.80	60.02	4.89	63.17	4.99
	90	46.20	4.63	49.35	4.79	52.49	4.97	54.76	5.03	58.77	5.12	61.92	5.22
	95	44.88	4.83	48.01	5.01	51.14	5.19	**52.57**	**5.25**	57.39	5.35	60.52	5.46
	100	43.79	5.04	46.92	5.22	50.04	5.41	51.89	5.47	56.30	5.58	59.42	5.69
	105	42.70	5.24	45.82	5.43	48.95	5.63	51.21	5.70	55.20	5.80	58.33	5.92
	110	41.60	5.45	44.73	5.65	47.86	5.85	50.11	5.92	54.11	6.03	57.24	6.15
	115	40.51	5.65	43.64	5.86	46.76	6.07	49.02	6.14	53.02	6.26	56.14	6.38
	118	39.85	5.78	42.98	5.99	46.11	6.20	48.37	6.28	52.36	6.39	55.49	6.52
	122	39.64	5.94	42.76	6.16	45.89	6.38	48.15	6.45	52.14	6.58	55.27	6.71

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 136: LMU540HV Cooling Capacity Table — Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 54 (100%)	14	50.73	3.19	53.88	3.31	57.03	3.43	59.31	3.47	63.33	3.53	66.48	3.60
	20	50.69	3.24	53.84	3.36	56.99	3.48	59.26	3.52	63.28	3.58	66.43	3.66
	25	50.65	3.28	53.80	3.40	56.94	3.53	59.22	3.57	63.24	3.63	66.38	3.71
	30	50.61	3.33	53.76	3.45	56.90	3.58	59.17	3.62	63.19	3.69	66.33	3.76
	35	50.58	3.38	53.72	3.50	56.86	3.63	59.13	3.67	63.14	3.74	66.28	3.81
	40	50.54	3.42	53.68	3.55	56.81	3.68	59.08	3.72	63.09	3.79	66.23	3.86
	45	50.50	3.47	53.63	3.59	56.77	3.72	59.04	3.77	63.04	3.84	66.18	3.92
	50	50.46	3.51	53.59	3.64	56.73	3.77	58.99	3.82	62.99	3.89	66.13	3.97
	55	50.42	3.56	53.55	3.69	56.68	3.82	58.95	3.87	62.95	3.94	66.08	4.02
	60	50.38	3.60	53.51	3.74	56.64	3.87	58.90	3.92	62.90	3.99	66.03	4.07
	65	50.34	3.65	53.47	3.78	56.60	3.92	58.85	3.97	62.85	4.04	65.98	4.12
	70	50.30	3.70	53.43	3.83	56.55	3.97	58.81	4.02	62.80	4.09	65.93	4.17
	75	49.09	3.90	52.21	4.04	55.33	4.19	57.58	4.23	61.56	4.31	64.68	4.40
	80	47.88	4.09	50.99	4.24	54.10	4.40	56.35	4.45	60.32	4.53	63.43	4.62
	85	46.68	4.29	49.78	4.45	52.89	4.61	55.13	4.67	59.09	4.75	62.19	4.85
	90	45.48	4.49	48.58	4.66	51.67	4.83	53.90	4.88	57.86	4.97	60.95	5.07
	95	44.18	4.69	47.26	4.86	50.34	5.04	**51.75**	**5.10**	56.49	5.20	59.57	5.30
	100	43.11	4.89	46.18	5.07	49.26	5.26	51.08	5.32	55.42	5.42	58.50	5.53
	105	42.03	5.09	45.11	5.28	48.19	5.47	50.41	5.53	54.34	5.64	57.42	5.75
	110	40.95	5.29	44.03	5.48	47.11	5.68	49.33	5.75	53.27	5.86	56.34	5.98
	115	39.88	5.49	42.96	5.69	46.03	5.90	48.26	5.97	52.19	6.08	55.27	6.20
	118	39.23	5.61	42.31	5.82	45.39	6.03	47.61	6.10	51.54	6.21	54.62	6.34
	122	39.02	5.77	42.10	5.98	45.17	6.20	47.40	6.27	51.33	6.39	54.41	6.52
Mixed Indoor Units 49 (90%)	14	46.03	2.82	48.89	2.93	51.75	3.03	53.82	3.07	57.47	3.12	60.33	3.19
	20	46.00	2.86	48.86	2.97	51.71	3.08	53.78	3.11	57.43	3.17	60.28	3.23
	25	45.96	2.90	48.82	3.01	51.67	3.12	53.74	3.16	57.38	3.21	60.24	3.28
	30	45.93	2.94	48.78	3.05	51.63	3.16	53.69	3.20	57.34	3.26	60.19	3.32
	35	45.89	2.98	48.74	3.09	51.59	3.21	53.65	3.24	57.30	3.30	60.15	3.37
	40	45.86	3.03	48.71	3.14	51.56	3.25	53.61	3.29	57.25	3.35	60.10	3.42
	45	45.82	3.07	48.67	3.18	51.52	3.29	53.57	3.33	57.21	3.39	60.05	3.46
	50	45.79	3.11	48.63	3.22	51.48	3.34	53.53	3.38	57.16	3.44	60.01	3.51
	55	45.75	3.15	48.60	3.26	51.44	3.38	53.49	3.42	57.12	3.48	59.96	3.55
	60	45.72	3.19	48.56	3.30	51.40	3.42	53.45	3.46	57.08	3.53	59.92	3.60
	65	45.68	3.23	48.52	3.35	51.36	3.47	53.41	3.51	57.03	3.57	59.87	3.65
	70	45.65	3.27	48.48	3.39	51.32	3.51	53.37	3.55	56.99	3.62	59.82	3.69
	75	44.55	3.44	47.38	3.57	50.21	3.70	52.25	3.74	55.86	3.81	58.69	3.89
	80	43.45	3.62	46.27	3.75	49.09	3.89	51.13	3.94	54.74	4.01	57.56	4.09
	85	42.36	3.80	45.18	3.94	47.99	4.08	50.02	4.13	53.62	4.20	56.43	4.29
	90	41.27	3.97	44.08	4.12	46.89	4.27	48.92	4.32	52.50	4.40	55.31	4.49
	95	40.09	4.15	42.89	4.30	45.68	4.46	**46.96**	**4.51**	51.26	4.59	54.06	4.69
	100	39.12	4.33	41.91	4.48	44.70	4.65	46.35	4.70	50.29	4.79	53.08	4.89
	105	38.14	4.50	40.93	4.67	43.73	4.84	45.74	4.89	49.31	4.98	52.11	5.09
	110	37.16	4.68	39.96	4.85	42.75	5.03	44.77	5.08	48.34	5.18	51.13	5.28
	115	36.19	4.86	38.98	5.03	41.77	5.22	43.79	5.28	47.36	5.38	50.15	5.48
	118	35.60	4.96	38.39	5.14	41.19	5.33	43.20	5.39	46.77	5.49	49.57	5.60
	122	35.41	5.10	38.20	5.29	40.99	5.48	43.01	5.54	46.58	5.65	49.37	5.76

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 137: LMU540HV Cooling Capacity Table — Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 43 (80%)	14	40.40	2.38	42.91	2.46	45.42	2.55	47.23	2.58	50.43	2.63	52.94	2.69
	20	40.37	2.41	42.87	2.50	45.38	2.59	47.19	2.62	50.40	2.67	52.90	2.72
	25	40.34	2.45	42.84	2.54	45.35	2.63	47.16	2.66	50.36	2.71	52.86	2.76
	30	40.31	2.48	42.81	2.57	45.31	2.66	47.12	2.70	50.32	2.75	52.82	2.80
	35	40.27	2.51	42.78	2.61	45.28	2.70	47.08	2.73	50.28	2.78	52.78	2.84
	40	40.24	2.55	42.74	2.64	45.24	2.74	47.05	2.77	50.24	2.82	52.74	2.88
	45	40.21	2.58	42.71	2.68	45.21	2.78	47.01	2.81	50.20	2.86	52.70	2.92
	50	40.18	2.62	42.68	2.71	45.17	2.81	46.98	2.84	50.16	2.90	52.66	2.96
	55	40.15	2.65	42.65	2.75	45.14	2.85	46.94	2.88	50.13	2.94	52.62	2.99
	60	40.12	2.69	42.61	2.78	45.10	2.89	46.90	2.92	50.09	2.97	52.58	3.03
	65	40.09	2.72	42.58	2.82	45.07	2.92	46.87	2.96	50.05	3.01	52.54	3.07
	70	40.06	2.75	42.55	2.85	45.03	2.96	46.83	2.99	50.01	3.05	52.50	3.11
	75	39.10	2.90	41.58	3.01	44.06	3.12	45.85	3.15	49.02	3.21	51.50	3.28
	80	38.13	3.05	40.61	3.16	43.08	3.28	44.87	3.32	48.03	3.38	50.51	3.45
	85	37.18	3.20	39.65	3.32	42.11	3.44	43.90	3.48	47.05	3.54	49.52	3.61
	90	36.22	3.35	38.68	3.47	41.15	3.60	42.93	3.64	46.07	3.71	48.54	3.78
	95	35.18	3.50	37.63	3.62	40.09	3.76	**41.21**	**3.80**	44.99	3.87	47.44	3.95
	100	34.33	3.65	36.78	3.78	39.23	3.92	40.68	3.96	44.13	4.04	46.58	4.12
	105	33.47	3.79	35.92	3.93	38.37	4.08	40.14	4.12	43.27	4.20	45.73	4.28
	110	32.61	3.94	35.06	4.09	37.52	4.24	39.29	4.28	42.42	4.36	44.87	4.45
	115	31.76	4.09	34.21	4.24	36.66	4.40	38.43	4.45	41.56	4.53	44.01	4.62
	118	31.24	4.18	33.69	4.33	36.14	4.49	37.91	4.54	41.05	4.63	43.50	4.72
	122	31.07	4.30	33.52	4.46	35.97	4.62	37.74	4.67	40.88	4.76	43.33	4.86
Mixed Indoor Units 38 (70%)	14	35.70	2.01	37.92	2.08	40.14	2.16	41.74	2.18	44.57	2.22	46.79	2.27
	20	35.68	2.04	37.89	2.11	40.11	2.19	41.71	2.21	44.54	2.26	46.75	2.30
	25	35.65	2.07	37.86	2.14	40.08	2.22	41.67	2.25	44.50	2.29	46.72	2.33
	30	35.62	2.10	37.83	2.17	40.05	2.25	41.64	2.28	44.47	2.32	46.68	2.37
	35	35.59	2.12	37.80	2.20	40.01	2.28	41.61	2.31	44.44	2.35	46.65	2.40
	40	35.57	2.15	37.78	2.23	39.98	2.31	41.58	2.34	44.40	2.38	46.61	2.43
	45	35.54	2.18	37.75	2.26	39.95	2.34	41.55	2.37	44.37	2.42	46.57	2.46
	50	35.51	2.21	37.72	2.29	39.92	2.38	41.52	2.40	44.33	2.45	46.54	2.50
	55	35.48	2.24	37.69	2.32	39.89	2.41	41.48	2.43	44.30	2.48	46.50	2.53
	60	35.46	2.27	37.66	2.35	39.86	2.44	41.45	2.47	44.27	2.51	46.47	2.56
	65	35.43	2.30	37.63	2.38	39.83	2.47	41.42	2.50	44.23	2.54	46.43	2.59
	70	35.40	2.33	37.60	2.41	39.80	2.50	41.39	2.53	44.20	2.58	46.40	2.63
	75	34.55	2.45	36.74	2.54	38.94	2.63	40.52	2.66	43.32	2.71	45.52	2.77
	80	33.70	2.58	35.89	2.67	38.07	2.77	39.65	2.80	42.45	2.85	44.64	2.91
	85	32.85	2.70	35.04	2.80	37.22	2.90	38.80	2.94	41.58	2.99	43.77	3.05
	90	32.01	2.83	34.19	2.93	36.36	3.04	37.94	3.07	40.72	3.13	42.90	3.19
	95	31.09	2.95	33.26	3.06	35.43	3.17	**36.42**	**3.21**	39.76	3.27	41.92	3.34
	100	30.34	3.08	32.50	3.19	34.67	3.31	35.95	3.35	39.00	3.41	41.17	3.48
	105	29.58	3.20	31.75	3.32	33.91	3.44	35.48	3.48	38.24	3.55	40.41	3.62
	110	28.82	3.33	30.99	3.45	33.15	3.58	34.72	3.62	37.49	3.69	39.65	3.76
	115	28.07	3.46	30.23	3.58	32.40	3.71	33.96	3.76	36.73	3.83	38.90	3.90
	118	27.61	3.53	29.78	3.66	31.94	3.79	33.51	3.84	36.28	3.91	38.44	3.99
	122	27.46	3.63	29.63	3.76	31.79	3.90	33.36	3.95	36.12	4.02	38.29	4.10

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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Table 138: LMU540HV Cooling Capacity Table — Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 32 (60%)	14	30.07	1.56	31.93	1.62	33.80	1.68	35.15	1.70	37.53	1.73	39.40	1.77
	20	30.04	1.59	31.91	1.64	33.77	1.70	35.12	1.72	37.51	1.76	39.37	1.79
	25	30.02	1.61	31.88	1.67	33.75	1.73	35.10	1.75	37.48	1.78	39.34	1.82
	30	30.00	1.63	31.86	1.69	33.72	1.75	35.07	1.77	37.45	1.81	39.31	1.84
	35	29.97	1.65	31.84	1.71	33.70	1.78	35.04	1.80	37.42	1.83	39.28	1.87
	40	29.95	1.68	31.81	1.74	33.67	1.80	35.01	1.82	37.39	1.86	39.25	1.89
	45	29.93	1.70	31.79	1.76	33.65	1.83	34.99	1.85	37.36	1.88	39.22	1.92
	50	29.91	1.72	31.76	1.78	33.62	1.85	34.96	1.87	37.33	1.91	39.19	1.94
	55	29.88	1.74	31.74	1.81	33.59	1.87	34.93	1.90	37.31	1.93	39.16	1.97
	60	29.86	1.77	31.71	1.83	33.57	1.90	34.91	1.92	37.28	1.96	39.13	2.00
	65	29.84	1.79	31.69	1.85	33.54	1.92	34.88	1.94	37.25	1.98	39.10	2.02
	70	29.81	1.81	31.67	1.88	33.52	1.95	34.85	1.97	37.22	2.01	39.07	2.05
	75	29.10	1.91	30.94	1.98	32.79	2.05	34.12	2.08	36.48	2.11	38.33	2.16
	80	28.38	2.01	30.22	2.08	32.06	2.16	33.39	2.18	35.75	2.22	37.59	2.27
	85	27.67	2.10	29.51	2.18	31.34	2.26	32.67	2.29	35.02	2.33	36.86	2.38
	90	26.96	2.20	28.79	2.28	30.62	2.37	31.95	2.39	34.29	2.44	36.12	2.49
	95	26.18	2.30	28.01	2.38	29.83	2.47	**30.67**	**2.50**	33.48	2.55	35.31	2.60
	100	25.55	2.40	27.37	2.49	29.20	2.58	30.27	2.61	32.84	2.66	34.67	2.71
	105	24.91	2.50	26.73	2.59	28.56	2.68	29.88	2.71	32.21	2.76	34.03	2.82
	110	24.27	2.59	26.10	2.69	27.92	2.79	29.24	2.82	31.57	2.87	33.39	2.93
	115	23.63	2.69	25.46	2.79	27.28	2.89	28.60	2.92	30.93	2.98	32.76	3.04
	118	23.25	2.75	25.08	2.85	26.90	2.95	28.22	2.99	30.55	3.04	32.37	3.11
	122	23.12	2.83	24.95	2.93	26.77	3.04	28.09	3.07	30.42	3.13	32.24	3.19
Mixed Indoor Units 27 (50%)	14	25.37	1.20	26.95	1.24	28.52	1.28	29.66	1.30	31.67	1.32	33.25	1.35
	20	25.35	1.21	26.93	1.26	28.50	1.30	29.64	1.32	31.65	1.34	33.22	1.37
	25	25.33	1.23	26.90	1.27	28.48	1.32	29.61	1.34	31.62	1.36	33.20	1.39
	30	25.31	1.25	26.88	1.29	28.46	1.34	29.59	1.35	31.60	1.38	33.17	1.41
	35	25.29	1.26	26.86	1.31	28.43	1.36	29.57	1.37	31.58	1.40	33.15	1.43
	40	25.27	1.28	26.84	1.33	28.41	1.38	29.55	1.39	31.55	1.42	33.12	1.45
	45	25.25	1.30	26.82	1.35	28.39	1.39	29.52	1.41	31.53	1.44	33.10	1.47
	50	25.23	1.32	26.80	1.36	28.37	1.41	29.50	1.43	31.50	1.46	33.07	1.49
	55	25.22	1.33	26.78	1.38	28.35	1.43	29.48	1.45	31.48	1.48	33.05	1.51
	60	25.20	1.35	26.76	1.40	28.33	1.45	29.46	1.47	31.46	1.49	33.02	1.52
	65	25.18	1.37	26.74	1.42	28.30	1.47	29.43	1.49	31.43	1.51	32.99	1.54
	70	25.16	1.38	26.72	1.43	28.28	1.49	29.41	1.50	31.41	1.53	32.97	1.56
	75	24.55	1.46	26.11	1.51	27.67	1.57	28.79	1.59	30.79	1.62	32.34	1.65
	80	23.95	1.53	25.50	1.59	27.06	1.65	28.18	1.67	30.17	1.70	31.72	1.73
	85	23.35	1.61	24.90	1.67	26.45	1.73	27.57	1.75	29.55	1.78	31.10	1.82
	90	22.75	1.68	24.29	1.74	25.84	1.81	26.96	1.83	28.93	1.86	30.48	1.90
	95	22.10	1.76	23.63	1.82	25.17	1.89	**25.88**	**1.91**	28.25	1.95	29.79	1.98
	100	21.56	1.83	23.10	1.90	24.64	1.97	25.54	1.99	27.71	2.03	29.25	2.07
	105	21.02	1.91	22.56	1.98	24.10	2.05	25.21	2.07	27.18	2.11	28.72	2.15
	110	20.48	1.98	22.02	2.05	23.56	2.13	24.67	2.15	26.64	2.19	28.18	2.24
	115	19.94	2.06	21.48	2.13	23.02	2.21	24.13	2.23	26.10	2.28	27.64	2.32
	118	19.62	2.10	21.16	2.18	22.70	2.26	23.81	2.28	25.78	2.33	27.32	2.37
	122	19.51	2.16	21.05	2.24	22.59	2.32	23.70	2.35	25.67	2.39	27.21	2.44

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB), and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Cooling Capacity Tables

Table 139: LMU540HV Cooling Capacity Table — Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp. (°F DB)	Indoor Air Temp. °F DB / °F WB											
		68 / 57		73 / 61		77 / 64		80 / 67		86 / 72		90 / 75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 24 (40%)	14	22.55	0.97	23.95	1.01	25.35	1.04	26.36	1.05	28.15	1.07	29.55	1.10
	20	22.53	0.98	23.93	1.02	25.33	1.06	26.34	1.07	28.13	1.09	29.53	1.11
	25	22.51	1.00	23.91	1.03	25.31	1.07	26.32	1.08	28.10	1.10	29.50	1.13
	30	22.50	1.01	23.89	1.05	25.29	1.09	26.30	1.10	28.08	1.12	29.48	1.14
	35	22.48	1.03	23.87	1.06	25.27	1.10	26.28	1.11	28.06	1.14	29.46	1.16
	40	22.46	1.04	23.86	1.08	25.25	1.12	26.26	1.13	28.04	1.15	29.44	1.17
	45	22.44	1.05	23.84	1.09	25.23	1.13	26.24	1.14	28.02	1.17	29.41	1.19
	50	22.43	1.07	23.82	1.11	25.21	1.15	26.22	1.16	28.00	1.18	29.39	1.21
	55	22.41	1.08	23.80	1.12	25.19	1.16	26.20	1.18	27.98	1.20	29.37	1.22
	60	22.39	1.10	23.78	1.14	25.17	1.18	26.18	1.19	27.95	1.21	29.35	1.24
	65	22.37	1.11	23.76	1.15	25.15	1.19	26.16	1.21	27.93	1.23	29.32	1.25
	70	22.36	1.12	23.75	1.16	25.13	1.21	26.14	1.22	27.91	1.24	29.30	1.27
	75	21.82	1.18	23.20	1.23	24.59	1.27	25.59	1.29	27.36	1.31	28.75	1.34
	80	21.28	1.24	22.66	1.29	24.04	1.34	25.04	1.35	26.81	1.38	28.19	1.41
	85	20.75	1.31	22.13	1.35	23.50	1.40	24.50	1.42	26.26	1.44	27.64	1.47
	90	20.22	1.37	21.59	1.42	22.96	1.47	23.96	1.48	25.71	1.51	27.09	1.54
	95	19.64	1.43	21.00	1.48	22.37	1.53	**23.00**	**1.55**	25.11	1.58	26.48	1.61
	100	19.16	1.49	20.53	1.54	21.89	1.60	22.70	1.62	24.63	1.65	26.00	1.68
	105	18.68	1.55	20.05	1.60	21.42	1.66	22.40	1.68	24.15	1.71	25.52	1.75
	110	18.20	1.61	19.57	1.67	20.94	1.73	21.93	1.75	23.67	1.78	25.04	1.82
	115	17.72	1.67	19.09	1.73	20.46	1.79	21.45	1.81	23.20	1.85	24.56	1.88
	118	17.44	1.71	18.80	1.77	20.17	1.83	21.16	1.85	22.91	1.89	24.28	1.93
	122	17.34	1.75	18.71	1.82	20.08	1.88	21.07	1.91	22.81	1.94	24.18	1.98

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.
0 ft. level difference between outdoor and indoor units.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB).

The shaded table columns and rows indicate reference data. When operating at this temperature, these values can be different if the system is not running consistently.

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PERFORMANCE DATA

Heating Capacity Tables

Table 140: LMU540HV Heating Capacity Table — Non-Ducted Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 73 (135%)	0	-0.4	28.30	3.71	26.61	3.85	26.64	3.91	26.03	3.94	25.54	3.97	24.45	4.11
	5	4.5	34.08	3.88	32.48	4.02	32.01	4.10	31.33	4.14	30.79	4.18	29.55	4.32
	10	9	37.95	4.03	36.42	4.17	35.61	4.27	34.89	4.33	34.31	4.38	32.96	4.51
	17	15	42.21	4.23	40.74	4.37	39.57	4.50	**38.80**	**4.58**	38.18	4.64	36.71	4.77
	20	19	44.80	4.37	43.37	4.50	41.97	4.66	41.17	4.74	40.52	4.81	38.98	4.94
	25	23	49.10	4.61	47.64	4.74	45.98	4.92	45.11	5.02	44.42	5.10	42.75	5.23
	30	28	53.41	4.86	51.76	5.02	49.98	5.18	49.06	5.29	48.33	5.38	46.55	5.52
	35	32	57.72	5.12	55.88	5.30	53.98	5.44	53.01	5.57	52.23	5.67	50.35	5.81
	40	36	60.66	5.27	58.96	5.45	57.08	5.61	56.09	5.73	55.30	5.82	53.30	5.97
	45	41	64.34	5.46	62.80	5.64	60.95	5.82	59.94	5.92	59.13	6.01	56.98	6.18
	47	43	65.81	5.53	64.34	5.72	62.50	5.90	**61.48**	**6.00**	60.66	6.08	58.46	6.26
	50	46	66.00	5.50	64.67	5.66	63.07	5.83	62.16	5.91	61.43	5.98	59.35	6.15
	55	51	66.33	5.44	65.23	5.57	64.02	5.71	63.29	5.77	62.70	5.82	60.84	5.95
	60	56	66.65	5.38	65.78	5.49	64.97	5.59	64.42	5.63	63.97	5.66	62.33	5.75
	63	59	66.84	5.35	66.11	5.43	65.54	5.51	65.09	5.54	64.73	5.56	63.23	5.63
	68	64	67.04	5.31	66.45	5.38	66.12	5.44	65.78	5.46	65.51	5.47	64.14	5.51
Non-Ducted Indoor Units 70 (130%)	0	-0.4	28.04	3.66	26.37	3.80	26.40	3.85	25.79	3.88	25.31	3.91	24.24	4.05
	5	4.5	33.77	3.82	32.19	3.96	31.73	4.04	31.05	4.08	30.51	4.12	29.28	4.26
	10	9	37.61	3.97	36.09	4.11	35.29	4.21	34.57	4.27	34.00	4.31	32.66	4.45
	17	15	41.84	4.17	40.38	4.30	39.22	4.44	**38.45**	**4.51**	37.83	4.57	36.38	4.70
	20	19	44.39	4.30	42.98	4.43	41.60	4.59	40.80	4.67	40.16	4.74	38.63	4.87
	25	23	48.66	4.54	47.21	4.67	45.57	4.84	44.71	4.94	44.02	5.02	42.36	5.15
	30	28	52.93	4.79	51.29	4.95	49.53	5.10	48.62	5.21	47.90	5.30	46.14	5.44
	35	32	57.21	5.04	55.38	5.22	53.50	5.36	52.54	5.48	51.77	5.58	49.90	5.72
	40	36	60.12	5.19	58.43	5.37	56.57	5.52	55.59	5.64	54.80	5.73	52.82	5.88
	45	41	63.76	5.38	62.24	5.56	60.41	5.73	59.40	5.83	58.60	5.92	56.47	6.09
	47	43	65.22	5.45	63.76	5.63	61.94	5.81	**60.93**	**5.91**	60.12	5.99	57.93	6.17
	50	46	65.41	5.42	64.09	5.58	62.51	5.74	61.60	5.83	60.88	5.89	58.82	6.05
	55	51	65.73	5.36	64.64	5.49	63.45	5.62	62.72	5.68	62.14	5.74	60.30	5.86
	60	56	66.05	5.30	65.19	5.40	64.39	5.50	63.84	5.54	63.40	5.58	61.78	5.66
	63	59	66.24	5.27	65.52	5.35	64.96	5.43	64.51	5.46	64.15	5.48	62.66	5.55
	68	64	66.44	5.23	65.85	5.30	65.52	5.36	65.19	5.38	64.92	5.39	63.56	5.43
Non-Ducted Indoor Units 65 (120%)	0	-0.4	27.62	3.56	25.98	3.69	26.00	3.75	25.41	3.78	24.93	3.80	23.87	3.94
	5	4.5	33.27	3.72	31.71	3.85	31.25	3.93	30.59	3.97	30.06	4.01	28.84	4.14
	10	9	37.05	3.86	35.55	3.99	34.77	4.09	34.06	4.15	33.49	4.19	32.17	4.33
	17	15	41.21	4.06	39.78	4.19	38.63	4.32	**37.87**	**4.39**	37.27	4.44	35.84	4.57
	20	19	43.73	4.19	42.34	4.31	40.97	4.46	40.19	4.55	39.56	4.61	38.05	4.74
	25	23	47.93	4.41	46.51	4.54	44.89	4.71	44.04	4.81	43.36	4.89	41.73	5.01
	30	28	52.14	4.66	50.53	4.81	48.79	4.96	47.90	5.07	47.18	5.16	45.45	5.29
	35	32	56.35	4.91	54.56	5.08	52.70	5.21	51.75	5.34	50.99	5.43	49.15	5.56
	40	36	59.22	5.05	57.56	5.23	55.72	5.37	54.76	5.49	53.99	5.58	52.03	5.72
	45	41	62.81	5.23	61.31	5.41	59.50	5.57	58.52	5.67	57.73	5.76	55.63	5.92
	47	43	64.25	5.30	62.81	5.48	61.02	5.65	**60.02**	**5.75**	59.22	5.83	57.07	6.00
	50	46	64.44	5.27	63.14	5.43	61.57	5.58	60.68	5.67	59.97	5.74	57.94	5.89
	55	51	64.75	5.21	63.68	5.34	62.50	5.47	61.78	5.53	61.21	5.58	59.40	5.70
	60	56	65.07	5.16	64.22	5.26	63.43	5.35	62.89	5.39	62.45	5.43	60.85	5.51
	63	59	65.25	5.12	64.54	5.21	63.98	5.28	63.55	5.31	63.20	5.33	61.73	5.40
	68	64	65.44	5.09	64.87	5.16	64.55	5.22	64.22	5.23	63.95	5.24	62.61	5.28

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 141: LMU540HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 59 (110%)	0	-0.4	27.12	3.44	25.50	3.57	25.53	3.62	24.94	3.65	24.47	3.68	23.44	3.81
	5	4.5	32.66	3.59	31.13	3.72	30.68	3.80	30.03	3.84	29.51	3.87	28.32	4.00
	10	9	36.37	3.73	34.90	3.86	34.13	3.96	33.43	4.01	32.88	4.06	31.58	4.18
	17	15	40.46	3.92	39.05	4.05	37.92	4.17	**37.18**	**4.24**	36.59	4.30	35.18	4.42
	20	19	42.93	4.05	41.56	4.17	40.22	4.32	39.45	4.40	38.83	4.46	37.36	4.58
	25	23	47.05	4.27	45.66	4.39	44.07	4.56	43.24	4.65	42.57	4.72	40.97	4.85
	30	28	51.19	4.51	49.60	4.66	47.90	4.80	47.02	4.90	46.32	4.99	44.61	5.11
	35	32	55.32	4.75	53.56	4.92	51.73	5.04	50.80	5.16	50.06	5.25	48.25	5.38
	40	36	58.14	4.88	56.50	5.05	54.70	5.20	53.75	5.31	53.00	5.39	51.08	5.54
	45	41	61.66	5.06	60.19	5.23	58.41	5.39	57.44	5.49	56.67	5.57	54.61	5.73
	47	43	63.07	5.13	61.66	5.30	59.90	5.47	**58.92**	**5.56**	58.14	5.64	56.02	5.80
	50	46	63.26	5.09	61.98	5.25	60.45	5.40	59.57	5.48	58.87	5.55	56.88	5.69
	55	51	63.56	5.04	62.51	5.17	61.36	5.29	60.65	5.35	60.09	5.40	58.31	5.51
	60	56	63.87	4.99	63.04	5.08	62.27	5.18	61.73	5.22	61.31	5.25	59.74	5.33
	63	59	64.06	4.95	63.36	5.03	62.81	5.11	62.38	5.14	62.04	5.16	60.60	5.22
	68	64	64.24	4.92	63.68	4.99	63.36	5.04	63.04	5.06	62.78	5.07	61.47	5.11
Non-Ducted Indoor Units 54 (100%)	0	-0.4	26.69	3.34	25.10	3.47	25.13	3.52	24.55	3.55	24.09	3.57	23.07	3.70
	5	4.5	32.15	3.49	30.64	3.62	30.20	3.69	29.56	3.73	29.05	3.76	27.87	3.89
	10	9	35.80	3.63	34.36	3.75	33.60	3.84	32.91	3.90	32.36	3.94	31.09	4.06
	17	15	39.82	3.81	38.44	3.93	37.33	4.05	**36.60**	**4.12**	36.01	4.17	34.63	4.30
	20	19	42.26	3.93	40.91	4.05	39.60	4.19	38.83	4.27	38.23	4.33	36.77	4.45
	25	23	46.32	4.15	44.94	4.27	43.38	4.43	42.56	4.52	41.90	4.59	40.33	4.71
	30	28	50.39	4.38	48.83	4.52	47.15	4.66	46.28	4.76	45.59	4.85	43.92	4.97
	35	32	54.45	4.61	52.72	4.77	50.93	4.90	50.01	5.01	49.28	5.10	47.50	5.23
	40	36	57.23	4.74	55.62	4.91	53.85	5.05	52.92	5.15	52.17	5.24	50.28	5.38
	45	41	60.70	4.91	59.25	5.08	57.50	5.23	56.55	5.33	55.78	5.41	53.76	5.56
	47	43	62.09	4.98	60.70	5.14	58.96	5.31	**58.00**	**5.40**	57.23	5.47	55.15	5.64
	50	46	62.27	4.95	61.01	5.10	59.50	5.24	58.64	5.32	57.95	5.39	55.99	5.53
	55	51	62.57	4.90	61.53	5.02	60.40	5.14	59.70	5.19	59.15	5.24	57.40	5.35
	60	56	62.88	4.84	62.06	4.94	61.29	5.03	60.77	5.07	60.35	5.10	58.81	5.17
	63	59	63.06	4.81	62.37	4.89	61.83	4.96	61.41	4.99	61.07	5.01	59.65	5.07
	68	64	63.24	4.78	62.69	4.84	62.37	4.90	62.05	4.91	61.80	4.92	60.51	4.96
Non-Ducted Indoor Units 49 (90%)	0	-0.4	24.22	3.01	22.78	3.12	22.80	3.17	22.28	3.19	21.86	3.21	20.93	3.33
	5	4.5	29.17	3.14	27.81	3.25	27.40	3.32	26.82	3.36	26.36	3.39	25.29	3.50
	10	9	32.49	3.26	31.17	3.38	30.49	3.46	29.87	3.51	29.37	3.55	28.21	3.66
	17	15	36.14	3.43	34.88	3.54	33.88	3.65	**33.21**	**3.71**	32.68	3.76	31.42	3.87
	20	19	38.35	3.54	37.12	3.65	35.93	3.77	35.24	3.84	34.69	3.90	33.37	4.01
	25	23	42.03	3.73	40.78	3.84	39.36	3.98	38.62	4.06	38.02	4.13	36.59	4.24
	30	28	45.72	3.94	44.31	4.07	42.78	4.19	42.00	4.29	41.37	4.36	39.85	4.47
	35	32	49.41	4.15	47.84	4.30	46.21	4.41	45.38	4.51	44.72	4.59	43.10	4.70
	40	36	51.93	4.27	50.47	4.42	48.86	4.54	48.02	4.64	47.34	4.71	45.62	4.84
	45	41	55.08	4.42	53.76	4.57	52.18	4.71	51.31	4.80	50.62	4.87	48.78	5.01
	47	43	56.34	4.48	55.08	4.63	53.50	4.78	**52.63**	**4.86**	51.93	4.93	50.04	5.07
	50	46	56.50	4.45	55.36	4.59	53.99	4.72	53.21	4.79	52.58	4.85	50.81	4.98
	55	51	56.78	4.41	55.84	4.51	54.81	4.62	54.18	4.67	53.67	4.72	52.08	4.82
	60	56	57.05	4.36	56.31	4.44	55.62	4.52	55.14	4.56	54.76	4.59	53.36	4.66
	63	59	57.22	4.33	56.60	4.40	56.11	4.47	55.72	4.49	55.42	4.51	54.13	4.56
	68	64	57.39	4.30	56.88	4.36	56.60	4.41	56.31	4.42	56.08	4.43	54.90	4.47

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 142: LMU540HV Heating Capacity Table — Non-Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 43 (80%)	0	-0.4	21.26	2.60	19.99	2.70	20.01	2.74	19.55	2.77	19.19	2.78	18.37	2.88
	5	4.5	25.60	2.72	24.40	2.82	24.05	2.88	23.54	2.91	23.13	2.93	22.20	3.03
	10	9	28.51	2.83	27.36	2.92	26.76	3.00	26.21	3.04	25.77	3.07	24.76	3.17
	17	15	31.71	2.97	30.61	3.06	29.73	3.16	**29.15**	**3.21**	28.68	3.25	27.58	3.35
	20	19	33.65	3.06	32.58	3.16	31.53	3.27	30.93	3.33	30.44	3.38	29.29	3.47
	25	23	36.89	3.23	35.79	3.33	34.55	3.45	33.89	3.52	33.37	3.58	32.11	3.67
	30	28	40.13	3.41	38.89	3.53	37.55	3.63	36.86	3.71	36.31	3.78	34.97	3.87
	35	32	43.37	3.59	41.99	3.72	40.56	3.82	39.83	3.91	39.24	3.98	37.83	4.07
	40	36	45.58	3.70	44.30	3.83	42.88	3.93	42.14	4.02	41.55	4.08	40.04	4.19
	45	41	48.34	3.83	47.18	3.96	45.79	4.08	45.03	4.15	44.42	4.21	42.81	4.34
	47	43	49.44	3.88	48.34	4.01	46.96	4.14	**46.19**	**4.21**	45.58	4.27	43.92	4.40
	50	46	49.59	3.86	48.59	3.97	47.39	4.09	46.70	4.15	46.15	4.20	44.59	4.31
	55	51	49.83	3.82	49.00	3.91	48.10	4.00	47.55	4.05	47.11	4.09	45.71	4.17
	60	56	50.07	3.78	49.42	3.85	48.81	3.92	48.40	3.95	48.06	3.97	46.83	4.03
	63	59	50.22	3.75	49.67	3.81	49.24	3.87	48.90	3.89	48.63	3.90	47.50	3.95
	68	64	50.36	3.73	49.92	3.77	49.67	3.82	49.42	3.83	49.21	3.84	48.19	3.87
Non-Ducted Indoor Units 38 (70%)	0	-0.4	18.79	2.27	17.67	2.36	17.69	2.39	17.28	2.41	16.96	2.43	16.24	2.51
	5	4.5	22.63	2.37	21.57	2.46	21.25	2.51	20.80	2.54	20.44	2.56	19.62	2.64
	10	9	25.20	2.46	24.18	2.55	23.64	2.61	23.16	2.65	22.78	2.68	21.88	2.76
	17	15	28.03	2.59	27.05	2.67	26.27	2.75	**25.76**	**2.80**	25.35	2.84	24.37	2.92
	20	19	29.74	2.67	28.79	2.75	27.87	2.85	27.33	2.90	26.90	2.94	25.88	3.02
	25	23	32.60	2.82	31.63	2.90	30.53	3.01	29.95	3.07	29.49	3.12	28.38	3.20
	30	28	35.46	2.98	34.36	3.07	33.18	3.17	32.58	3.24	32.09	3.29	30.91	3.38
	35	32	38.32	3.13	37.10	3.24	35.84	3.33	35.20	3.41	34.68	3.47	33.43	3.55
	40	36	40.28	3.22	39.15	3.34	37.90	3.43	37.24	3.50	36.72	3.56	35.39	3.65
	45	41	42.72	3.34	41.70	3.45	40.47	3.56	39.80	3.62	39.26	3.67	37.83	3.78
	47	43	43.70	3.38	42.72	3.50	41.50	3.61	**40.82**	**3.67**	40.28	3.72	38.81	3.83
	50	46	43.82	3.36	42.94	3.46	41.88	3.56	41.27	3.62	40.78	3.66	39.41	3.76
	55	51	44.04	3.33	43.31	3.41	42.51	3.49	42.02	3.53	41.63	3.56	40.40	3.64
	60	56	44.25	3.29	43.68	3.36	43.14	3.42	42.77	3.44	42.47	3.46	41.39	3.52
	63	59	44.38	3.27	43.90	3.32	43.52	3.37	43.22	3.39	42.98	3.40	41.98	3.44
	68	64	44.51	3.25	44.12	3.29	43.90	3.33	43.67	3.34	43.49	3.35	42.58	3.37
Non-Ducted Indoor Units 32 (60%)	0	-0.4	15.82	1.87	14.87	1.94	14.89	1.97	14.55	1.98	14.28	2.00	13.67	2.07
	5	4.5	19.05	1.95	18.16	2.02	17.90	2.06	17.52	2.09	17.21	2.10	16.52	2.18
	10	9	21.22	2.03	20.36	2.10	19.91	2.15	19.50	2.18	19.18	2.20	18.42	2.27
	17	15	23.60	2.13	22.78	2.20	22.12	2.27	**21.69**	**2.30**	21.34	2.33	20.52	2.40
	20	19	25.04	2.20	24.24	2.27	23.46	2.34	23.01	2.39	22.65	2.42	21.79	2.49
	25	23	27.45	2.32	26.63	2.39	25.71	2.48	25.22	2.53	24.83	2.57	23.90	2.63
	30	28	29.86	2.45	28.93	2.53	27.94	2.61	27.43	2.66	27.02	2.71	26.02	2.78
	35	32	32.27	2.58	31.24	2.67	30.18	2.74	29.64	2.80	29.20	2.85	28.15	2.92
	40	36	33.91	2.65	32.96	2.74	31.91	2.82	31.36	2.88	30.91	2.93	29.79	3.01
	45	41	35.97	2.75	35.11	2.84	34.07	2.93	33.51	2.98	33.06	3.02	31.86	3.11
	47	43	36.79	2.78	35.97	2.88	34.94	2.97	**34.37**	**3.02**	33.91	3.06	32.68	3.15
	50	46	36.90	2.77	36.15	2.85	35.26	2.93	34.75	2.98	34.34	3.01	33.18	3.09
	55	51	37.08	2.74	36.46	2.81	35.79	2.87	35.38	2.90	35.05	2.93	34.01	2.99
	60	56	37.26	2.71	36.77	2.76	36.32	2.81	36.01	2.83	35.76	2.85	34.85	2.89
	63	59	37.37	2.69	36.96	2.73	36.64	2.78	36.39	2.79	36.19	2.80	35.35	2.83
	68	64	37.48	2.67	37.15	2.71	36.96	2.74	36.77	2.75	36.62	2.75	35.86	2.78

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 143: LMU540HV Heating Capacity Table — Non-Ducted (continued) / Ducted Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Non-Ducted Indoor Units 27 (50%)	0	-0.4	13.35	1.53	12.55	1.59	12.56	1.62	12.28	1.63	12.05	1.64	11.53	1.70
	5	4.5	16.08	1.60	15.32	1.66	15.10	1.69	14.78	1.71	14.52	1.73	13.94	1.79
	10	9	17.90	1.67	17.18	1.72	16.80	1.77	16.46	1.79	16.18	1.81	15.55	1.87
	17	15	19.91	1.75	19.22	1.81	18.67	1.86	**18.30**	**1.89**	18.01	1.92	17.31	1.97
	20	19	21.13	1.81	20.46	1.86	19.80	1.92	19.42	1.96	19.11	1.99	18.39	2.04
	25	23	23.16	1.90	22.47	1.96	21.69	2.03	21.28	2.07	20.95	2.11	20.16	2.16
	30	28	25.19	2.01	24.41	2.08	23.58	2.14	23.14	2.19	22.80	2.23	21.96	2.28
	35	32	27.23	2.12	26.36	2.19	25.46	2.25	25.00	2.30	24.64	2.34	23.75	2.40
	40	36	28.61	2.18	27.81	2.25	26.92	2.32	26.46	2.37	26.08	2.41	25.14	2.47
	45	41	30.35	2.26	29.62	2.33	28.75	2.40	28.27	2.45	27.89	2.48	26.88	2.55
	47	43	31.04	2.29	30.35	2.36	29.48	2.44	**29.00**	**2.48**	28.61	2.51	27.57	2.59
	50	46	31.13	2.27	30.51	2.34	29.75	2.41	29.32	2.44	28.97	2.47	28.00	2.54
	55	51	31.29	2.25	30.77	2.30	30.20	2.36	29.85	2.39	29.57	2.41	28.70	2.46
	60	56	31.44	2.22	31.03	2.27	30.65	2.31	30.38	2.33	30.17	2.34	29.40	2.38
	63	59	31.53	2.21	31.19	2.25	30.92	2.28	30.70	2.29	30.53	2.30	29.83	2.33
	68	64	31.62	2.20	31.34	2.22	31.19	2.25	31.03	2.26	30.90	2.26	30.25	2.28
Non-Ducted Indoor Units 24 (40%)	0	-0.4	11.87	1.34	11.16	1.39	11.17	1.41	10.91	1.42	10.71	1.43	10.25	1.48
	5	4.5	14.29	1.40	13.62	1.45	13.42	1.48	13.14	1.49	12.91	1.51	12.39	1.56
	10	9	15.91	1.45	15.27	1.50	14.93	1.54	14.63	1.56	14.39	1.58	13.82	1.63
	17	15	17.70	1.52	17.09	1.57	16.59	1.62	**16.27**	**1.65**	16.01	1.67	15.39	1.72
	20	19	18.78	1.57	18.19	1.62	17.60	1.68	17.26	1.71	16.99	1.73	16.35	1.78
	25	23	20.59	1.66	19.98	1.71	19.28	1.77	18.92	1.81	18.63	1.84	17.92	1.88
	30	28	22.40	1.75	21.70	1.81	20.96	1.86	20.57	1.91	20.27	1.94	19.52	1.99
	35	32	24.20	1.84	23.43	1.91	22.64	1.96	22.23	2.00	21.90	2.04	21.11	2.09
	40	36	25.44	1.90	24.72	1.96	23.93	2.02	23.52	2.06	23.19	2.09	22.35	2.15
	45	41	26.98	1.96	26.33	2.03	25.56	2.09	25.13	2.13	24.79	2.16	23.89	2.23
	47	43	27.60	1.99	26.98	2.06	26.21	2.12	**25.78**	**2.16**	25.44	2.19	24.51	2.26
	50	46	27.68	1.98	27.12	2.04	26.45	2.10	26.06	2.13	25.76	2.15	24.89	2.21
	55	51	27.81	1.96	27.35	2.01	26.85	2.05	26.54	2.08	26.29	2.10	25.51	2.14
	60	56	27.95	1.94	27.58	1.97	27.24	2.01	27.01	2.03	26.82	2.04	26.14	2.07
	63	59	28.03	1.92	27.72	1.96	27.48	1.99	27.29	2.00	27.14	2.00	26.51	2.03
	68	64	28.11	1.91	27.86	1.94	27.72	1.96	27.58	1.96	27.47	1.97	26.89	1.99
Ducted Indoor Units 73 (135%)	0	-0.4	32.46	3.83	30.59	3.98	30.54	4.04	29.85	4.07	29.30	4.10	28.06	4.24
	5	4.5	37.42	3.98	35.69	4.13	35.15	4.21	34.40	4.26	33.81	4.29	32.45	4.44
	10	9	40.75	4.12	39.10	4.26	38.23	4.37	37.45	4.43	36.83	4.48	35.38	4.62
	17	15	44.40	4.30	42.86	4.44	41.63	4.58	**40.81**	**4.66**	40.16	4.72	38.61	4.85
	20	19	46.62	4.43	45.14	4.56	43.68	4.72	42.84	4.81	42.17	4.88	40.57	5.01
	25	23	50.31	4.65	48.82	4.78	47.12	4.96	46.23	5.06	45.52	5.14	43.81	5.28
	30	28	54.02	4.88	52.35	5.04	50.55	5.20	49.62	5.31	48.88	5.41	47.08	5.54
	35	32	57.72	5.12	55.88	5.30	53.98	5.44	53.01	5.57	52.23	5.67	50.35	5.81
	40	36	60.66	5.27	58.96	5.45	57.08	5.61	56.09	5.73	55.30	5.82	53.30	5.97
	45	41	64.34	5.46	62.80	5.64	60.95	5.82	59.94	5.92	59.13	6.01	56.98	6.18
	47	43	65.81	5.53	64.34	5.72	62.50	5.90	**61.48**	**6.00**	60.66	6.08	58.46	6.26
	50	46	66.00	5.50	64.67	5.66	63.07	5.83	62.16	5.91	61.43	5.98	59.35	6.15
	55	51	66.33	5.44	65.23	5.57	64.02	5.71	63.29	5.77	62.70	5.82	60.84	5.95
	60	56	66.65	5.38	65.78	5.49	64.97	5.59	64.42	5.63	63.97	5.66	62.33	5.75
	63	59	66.84	5.35	66.11	5.43	65.54	5.51	65.09	5.54	64.73	5.56	63.23	5.63
	68	64	67.04	5.31	66.45	5.38	66.12	5.44	65.78	5.46	65.51	5.47	64.14	5.51

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 144: LMU540HV Heating Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 70 (130%)	0	-0.4	32.16	3.79	30.32	3.94	30.27	4.00	29.58	4.03	29.04	4.06	27.81	4.20
	5	4.5	37.09	3.94	35.37	4.08	34.83	4.17	34.10	4.21	33.51	4.25	32.16	4.39
	10	9	40.38	4.08	38.75	4.22	37.89	4.32	37.12	4.38	36.50	4.43	35.07	4.57
	17	15	44.01	4.26	42.48	4.40	41.25	4.53	**40.44**	**4.61**	39.80	4.67	38.27	4.81
	20	19	46.20	4.38	44.73	4.52	43.29	4.67	42.46	4.76	41.79	4.83	40.21	4.96
	25	23	49.86	4.60	48.39	4.73	46.70	4.91	45.82	5.01	45.11	5.09	43.41	5.22
	30	28	53.54	4.83	51.88	4.99	50.10	5.15	49.18	5.26	48.44	5.35	46.66	5.49
	35	32	57.21	5.07	55.38	5.25	53.50	5.39	52.54	5.51	51.77	5.61	49.90	5.75
	40	36	60.12	5.22	58.43	5.40	56.57	5.55	55.59	5.67	54.80	5.76	52.82	5.91
	45	41	63.76	5.40	62.24	5.58	60.41	5.76	59.40	5.86	58.60	5.95	56.47	6.12
	47	43	65.22	5.48	63.76	5.66	61.94	5.84	**60.93**	**5.94**	60.12	6.02	57.93	6.20
	50	46	65.41	5.44	64.09	5.61	62.51	5.77	61.60	5.86	60.88	5.92	58.82	6.08
	55	51	65.73	5.39	64.64	5.52	63.45	5.65	62.72	5.71	62.14	5.76	60.30	5.89
	60	56	66.05	5.33	65.19	5.43	64.39	5.53	63.84	5.57	63.40	5.60	61.78	5.69
	63	59	66.24	5.29	65.52	5.38	64.96	5.46	64.51	5.49	64.15	5.51	62.66	5.57
	68	64	66.44	5.26	65.85	5.33	65.52	5.39	65.19	5.40	64.92	5.41	63.56	5.46
Ducted Indoor Units 65 (120%)	0	-0.4	31.68	3.72	29.87	3.87	29.82	3.92	29.14	3.96	28.60	3.98	27.40	4.12
	5	4.5	36.53	3.87	34.84	4.01	34.31	4.09	33.59	4.14	33.01	4.17	31.68	4.31
	10	9	39.78	4.00	38.18	4.14	37.32	4.24	36.57	4.30	35.96	4.35	34.54	4.49
	17	15	43.35	4.18	41.84	4.32	40.64	4.45	**39.84**	**4.52**	39.20	4.58	37.70	4.72
	20	19	45.51	4.30	44.06	4.43	42.65	4.59	41.83	4.67	41.17	4.74	39.61	4.87
	25	23	49.12	4.51	47.66	4.65	46.00	4.82	45.13	4.92	44.44	5.00	42.77	5.13
	30	28	52.74	4.75	51.10	4.90	49.35	5.05	48.44	5.16	47.72	5.25	45.96	5.38
	35	32	56.35	4.98	54.56	5.15	52.70	5.29	51.75	5.41	50.99	5.51	49.15	5.64
	40	36	59.22	5.12	57.56	5.30	55.72	5.45	54.76	5.56	53.99	5.65	52.03	5.80
	45	41	62.81	5.30	61.31	5.48	59.50	5.65	58.52	5.75	57.73	5.84	55.63	6.01
	47	43	64.25	5.38	62.81	5.55	61.02	5.73	**60.02**	**5.83**	59.22	5.91	57.07	6.09
	50	46	64.44	5.34	63.14	5.50	61.57	5.66	60.68	5.75	59.97	5.81	57.94	5.97
	55	51	64.75	5.29	63.68	5.42	62.50	5.54	61.78	5.61	61.21	5.66	59.40	5.78
	60	56	65.07	5.23	64.22	5.33	63.43	5.43	62.89	5.47	62.45	5.50	60.85	5.59
	63	59	65.25	5.20	64.54	5.28	63.98	5.36	63.55	5.39	63.20	5.41	61.73	5.47
	68	64	65.44	5.16	64.87	5.23	64.55	5.29	64.22	5.30	63.95	5.31	62.61	5.36
Ducted Indoor Units 59 (110%)	0	-0.4	31.10	3.63	29.32	3.77	29.27	3.83	28.61	3.86	28.08	3.89	26.90	4.03
	5	4.5	35.86	3.78	34.20	3.91	33.68	3.99	32.97	4.04	32.40	4.07	31.10	4.21
	10	9	39.05	3.91	37.48	4.04	36.64	4.14	35.90	4.20	35.30	4.24	33.91	4.38
	17	15	42.56	4.08	41.08	4.21	39.89	4.34	**39.11**	**4.42**	38.48	4.47	37.00	4.60
	20	19	44.68	4.20	43.26	4.33	41.86	4.48	41.06	4.56	40.42	4.63	38.88	4.75
	25	23	48.22	4.41	46.79	4.53	45.16	4.70	44.31	4.80	43.62	4.88	41.98	5.00
	30	28	51.77	4.63	50.17	4.78	48.44	4.93	47.56	5.04	46.84	5.13	45.12	5.26
	35	32	55.32	4.86	53.56	5.03	51.73	5.16	50.80	5.28	50.06	5.38	48.25	5.51
	40	36	58.14	5.00	56.50	5.17	54.70	5.32	53.75	5.43	53.00	5.52	51.08	5.66
	45	41	61.66	5.18	60.19	5.35	58.41	5.51	57.44	5.62	56.67	5.70	54.61	5.86
	47	43	63.07	5.25	61.66	5.42	59.90	5.59	**58.92**	**5.69**	58.14	5.77	56.02	5.94
	50	46	63.26	5.21	61.98	5.37	60.45	5.53	59.57	5.61	58.87	5.68	56.88	5.83
	55	51	63.56	5.16	62.51	5.29	61.36	5.41	60.65	5.47	60.09	5.52	58.31	5.64
	60	56	63.87	5.10	63.04	5.20	62.27	5.30	61.73	5.34	61.31	5.37	59.74	5.45
	63	59	64.06	5.07	63.36	5.15	62.81	5.23	62.38	5.26	62.04	5.28	60.60	5.34
	68	64	64.24	5.04	63.68	5.10	63.36	5.16	63.04	5.18	62.78	5.19	61.47	5.23

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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Heating Capacity Tables

Table 145: LMU540HV Heating Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 54 (100%)	0	-0.4	30.62	3.56	28.86	3.70	28.81	3.75	28.16	3.79	27.64	3.81	26.48	3.95
	5	4.5	35.30	3.70	33.67	3.84	33.16	3.92	32.46	3.96	31.90	3.99	30.61	4.13
	10	9	38.44	3.83	36.89	3.96	36.07	4.06	35.33	4.12	34.75	4.16	33.38	4.29
	17	15	41.89	4.00	40.43	4.13	39.27	4.26	**38.50**	**4.33**	37.88	4.39	36.43	4.51
	20	19	43.98	4.12	42.58	4.24	41.21	4.39	40.42	4.47	39.78	4.54	38.27	4.66
	25	23	47.47	4.32	46.06	4.45	44.46	4.61	43.62	4.71	42.94	4.78	41.33	4.91
	30	28	50.96	4.54	49.38	4.69	47.69	4.84	46.81	4.94	46.11	5.03	44.42	5.15
	35	32	54.45	4.76	52.72	4.93	50.93	5.06	50.01	5.18	49.28	5.27	47.50	5.40
	40	36	57.23	4.90	55.62	5.07	53.85	5.21	52.92	5.32	52.17	5.41	50.28	5.56
	45	41	60.70	5.08	59.25	5.25	57.50	5.41	56.55	5.51	55.78	5.59	53.76	5.75
	47	43	62.09	5.15	60.70	5.32	58.96	5.49	**58.00**	**5.58**	57.23	5.66	55.15	5.83
	50	46	62.27	5.11	61.01	5.27	59.50	5.42	58.64	5.50	57.95	5.57	55.99	5.72
	55	51	62.57	5.06	61.53	5.18	60.40	5.31	59.70	5.37	59.15	5.42	57.40	5.53
	60	56	62.88	5.00	62.06	5.10	61.29	5.20	60.77	5.23	60.35	5.27	58.81	5.35
	63	59	63.06	4.97	62.37	5.05	61.83	5.13	61.41	5.15	61.07	5.18	59.65	5.24
	68	64	63.24	4.94	62.69	5.00	62.37	5.06	62.05	5.08	61.80	5.09	60.51	5.13
Ducted Indoor Units 49 (90%)	0	-0.4	27.78	3.22	26.19	3.34	26.14	3.39	25.55	3.42	25.08	3.44	24.02	3.57
	5	4.5	32.03	3.34	30.55	3.47	30.09	3.54	29.45	3.58	28.94	3.61	27.78	3.73
	10	9	34.88	3.46	33.48	3.58	32.73	3.67	32.06	3.72	31.53	3.76	30.29	3.88
	17	15	38.01	3.62	36.69	3.73	35.63	3.85	**34.94**	**3.91**	34.38	3.96	33.05	4.08
	20	19	39.91	3.72	38.64	3.83	37.39	3.97	36.68	4.04	36.10	4.10	34.73	4.21
	25	23	43.07	3.90	41.79	4.02	40.34	4.17	39.58	4.25	38.97	4.32	37.50	4.43
	30	28	46.24	4.10	44.81	4.24	43.27	4.37	42.48	4.46	41.84	4.54	40.31	4.66
	35	32	49.41	4.30	47.84	4.46	46.21	4.57	45.38	4.68	44.72	4.76	43.10	4.88
	40	36	51.93	4.43	50.47	4.58	48.86	4.71	48.02	4.81	47.34	4.89	45.62	5.02
	45	41	55.08	4.58	53.76	4.74	52.18	4.88	51.31	4.97	50.62	5.05	48.78	5.19
	47	43	56.34	4.65	55.08	4.80	53.50	4.95	**52.63**	**5.04**	51.93	5.11	50.04	5.26
	50	46	56.50	4.62	55.36	4.76	53.99	4.89	53.21	4.97	52.58	5.03	50.81	5.16
	55	51	56.78	4.57	55.84	4.68	54.81	4.79	54.18	4.85	53.67	4.89	52.08	5.00
	60	56	57.05	4.52	56.31	4.61	55.62	4.69	55.14	4.73	54.76	4.76	53.36	4.83
	63	59	57.22	4.49	56.60	4.56	56.11	4.63	55.72	4.66	55.42	4.67	54.13	4.73
	68	64	57.39	4.46	56.88	4.52	56.60	4.57	56.31	4.58	56.08	4.59	54.90	4.63
Ducted Indoor Units 43 (80%)	0	-0.4	24.38	2.80	22.98	2.90	22.95	2.95	22.43	2.97	22.01	2.99	21.08	3.10
	5	4.5	28.11	2.91	26.81	3.01	26.41	3.07	25.85	3.11	25.40	3.13	24.38	3.24
	10	9	30.61	3.01	29.38	3.11	28.72	3.19	28.14	3.23	27.67	3.27	26.58	3.37
	17	15	33.36	3.14	32.20	3.24	31.27	3.34	**30.66**	**3.40**	30.17	3.44	29.01	3.54
	20	19	35.03	3.23	33.91	3.33	32.82	3.45	32.19	3.51	31.68	3.56	30.48	3.66
	25	23	37.80	3.39	36.68	3.49	35.40	3.62	34.73	3.69	34.20	3.75	32.91	3.85
	30	28	40.58	3.57	39.33	3.68	37.98	3.80	37.28	3.88	36.72	3.95	35.37	4.05
	35	32	43.37	3.74	41.99	3.87	40.56	3.97	39.83	4.06	39.24	4.14	37.83	4.24
	40	36	45.58	3.85	44.30	3.98	42.88	4.09	42.14	4.18	41.55	4.25	40.04	4.36
	45	41	48.34	3.98	47.18	4.12	45.79	4.25	45.03	4.32	44.42	4.38	42.81	4.51
	47	43	49.44	4.04	48.34	4.17	46.96	4.31	**46.19**	**4.38**	45.58	4.44	43.92	4.57
	50	46	49.59	4.01	48.59	4.13	47.39	4.25	46.70	4.32	46.15	4.37	44.59	4.49
	55	51	49.83	3.97	49.00	4.07	48.10	4.17	47.55	4.21	47.11	4.25	45.71	4.34
	60	56	50.07	3.93	49.42	4.00	48.81	4.08	48.40	4.11	48.06	4.13	46.83	4.20
	63	59	50.22	3.90	49.67	3.97	49.24	4.03	48.90	4.05	48.63	4.06	47.50	4.11
	68	64	50.36	3.88	49.92	3.93	49.67	3.97	49.42	3.98	49.21	3.99	48.19	4.03

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 146: LMU540HV Heating Capacity Table — Ducted Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 38 (70%)	0	-0.4	21.55	2.45	20.31	2.55	20.28	2.58	19.82	2.61	19.45	2.62	18.63	2.72
	5	4.5	24.85	2.55	23.70	2.64	23.34	2.69	22.84	2.72	22.45	2.75	21.54	2.84
	10	9	27.05	2.64	25.96	2.73	25.38	2.80	24.87	2.83	24.46	2.86	23.49	2.95
	17	15	29.48	2.76	28.46	2.84	27.64	2.93	**27.10**	**2.98**	26.66	3.02	25.64	3.11
	20	19	30.95	2.83	29.97	2.92	29.00	3.02	28.45	3.08	28.00	3.12	26.94	3.21
	25	23	33.41	2.97	32.42	3.06	31.29	3.18	30.70	3.24	30.22	3.29	29.09	3.38
	30	28	35.87	3.13	34.76	3.23	33.56	3.33	32.95	3.40	32.45	3.46	31.26	3.55
	35	32	38.32	3.28	37.10	3.39	35.84	3.48	35.20	3.56	34.68	3.63	33.43	3.72
	40	36	40.28	3.37	39.15	3.49	37.90	3.59	37.24	3.66	36.72	3.72	35.39	3.82
	45	41	42.72	3.49	41.70	3.61	40.47	3.72	39.80	3.79	39.26	3.84	37.83	3.96
	47	43	43.70	3.54	42.72	3.66	41.50	3.77	**40.82**	**3.84**	40.28	3.89	38.81	4.01
	50	46	43.82	3.52	42.94	3.62	41.88	3.73	41.27	3.79	40.78	3.83	39.41	3.93
	55	51	44.04	3.48	43.31	3.57	42.51	3.65	42.02	3.69	41.63	3.73	40.40	3.81
	60	56	44.25	3.44	43.68	3.51	43.14	3.58	42.77	3.60	42.47	3.62	41.39	3.68
	63	59	44.38	3.42	43.90	3.48	43.52	3.53	43.22	3.55	42.98	3.56	41.98	3.60
	68	64	44.51	3.40	44.12	3.44	43.90	3.48	43.67	3.49	43.49	3.50	42.58	3.53
Ducted Indoor Units 32 (60%)	0	-0.4	18.14	2.03	17.10	2.11	17.07	2.14	16.69	2.16	16.38	2.17	15.69	2.25
	5	4.5	20.92	2.11	19.95	2.19	19.65	2.23	19.23	2.26	18.90	2.28	18.14	2.35
	10	9	22.78	2.18	21.86	2.26	21.37	2.32	20.94	2.35	20.59	2.37	19.78	2.45
	17	15	24.82	2.28	23.96	2.35	23.27	2.43	**22.81**	**2.47**	22.45	2.50	21.59	2.57
	20	19	26.06	2.35	25.23	2.42	24.42	2.50	23.95	2.55	23.58	2.59	22.68	2.66
	25	23	28.13	2.46	27.29	2.53	26.34	2.63	25.85	2.68	25.45	2.73	24.49	2.80
	30	28	30.20	2.59	29.26	2.67	28.26	2.76	27.74	2.82	27.33	2.87	26.32	2.94
	35	32	32.27	2.71	31.24	2.81	30.18	2.88	29.64	2.95	29.20	3.00	28.15	3.08
	40	36	33.91	2.79	32.96	2.89	31.91	2.97	31.36	3.03	30.91	3.08	29.79	3.17
	45	41	35.97	2.89	35.11	2.99	34.07	3.08	33.51	3.14	33.06	3.18	31.86	3.28
	47	43	36.79	2.93	35.97	3.03	34.94	3.13	**34.37**	**3.18**	33.91	3.22	32.68	3.32
	50	46	36.90	2.91	36.15	3.00	35.26	3.09	34.75	3.13	34.34	3.17	33.18	3.26
	55	51	37.08	2.88	36.46	2.95	35.79	3.02	35.38	3.06	35.05	3.09	34.01	3.15
	60	56	37.26	2.85	36.77	2.91	36.32	2.96	36.01	2.98	35.76	3.00	34.85	3.05
	63	59	37.37	2.83	36.96	2.88	36.64	2.92	36.39	2.94	36.19	2.95	35.35	2.98
	68	64	37.48	2.82	37.15	2.85	36.96	2.88	36.77	2.89	36.62	2.90	35.86	2.92
Ducted Indoor Units 27 (50%)	0	-0.4	15.31	1.69	14.43	1.75	14.41	1.78	14.08	1.79	13.82	1.80	13.24	1.87
	5	4.5	17.65	1.75	16.84	1.82	16.58	1.85	16.23	1.87	15.95	1.89	15.31	1.95
	10	9	19.22	1.81	18.45	1.87	18.03	1.92	17.67	1.95	17.37	1.97	16.69	2.03
	17	15	20.95	1.89	20.22	1.95	19.63	2.02	**19.25**	**2.05**	18.94	2.08	18.21	2.14
	20	19	21.99	1.95	21.29	2.01	20.61	2.08	20.21	2.12	19.89	2.15	19.14	2.21
	25	23	23.73	2.04	23.03	2.10	22.23	2.18	21.81	2.23	21.47	2.26	20.66	2.32
	30	28	25.48	2.15	24.69	2.22	23.84	2.29	23.41	2.34	23.06	2.38	22.21	2.44
	35	32	27.23	2.25	26.36	2.33	25.46	2.39	25.00	2.45	24.64	2.49	23.75	2.56
	40	36	28.61	2.32	27.81	2.40	26.92	2.47	26.46	2.52	26.08	2.56	25.14	2.63
	45	41	30.35	2.40	29.62	2.48	28.75	2.56	28.27	2.61	27.89	2.64	26.88	2.72
	47	43	31.04	2.43	30.35	2.51	29.48	2.60	**29.00**	**2.64**	28.61	2.68	27.57	2.76
	50	46	31.13	2.42	30.51	2.49	29.75	2.56	29.32	2.60	28.97	2.63	28.00	2.70
	55	51	31.29	2.39	30.77	2.45	30.20	2.51	29.85	2.54	29.57	2.56	28.70	2.62
	60	56	31.44	2.37	31.03	2.41	30.65	2.46	30.38	2.48	30.17	2.49	29.40	2.53
	63	59	31.53	2.35	31.19	2.39	30.92	2.43	30.70	2.44	30.53	2.45	29.83	2.48
	68	64	31.62	2.34	31.34	2.37	31.19	2.39	31.03	2.40	30.90	2.41	30.25	2.43

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 147: LMU540HV Heating Capacity Table — Ducted (continued) / Mixed Indoor Units.

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Ducted Indoor Units 24 (40%)	0	-0.4	13.61	1.47	12.83	1.53	12.81	1.55	12.52	1.57	12.29	1.58	11.77	1.63
	5	4.5	15.69	1.53	14.97	1.59	14.74	1.62	14.43	1.64	14.18	1.65	13.61	1.71
	10	9	17.09	1.59	16.40	1.64	16.03	1.68	15.71	1.70	15.44	1.72	14.84	1.78
	17	15	18.62	1.66	17.97	1.71	17.45	1.76	**17.11**	**1.79**	16.84	1.82	16.19	1.87
	20	19	19.55	1.70	18.93	1.76	18.32	1.82	17.97	1.85	17.68	1.88	17.01	1.93
	25	23	21.10	1.79	20.47	1.84	19.76	1.91	19.39	1.95	19.09	1.98	18.37	2.03
	30	28	22.65	1.88	21.95	1.94	21.20	2.00	20.81	2.05	20.50	2.08	19.74	2.13
	35	32	24.20	1.97	23.43	2.04	22.64	2.09	22.23	2.14	21.90	2.18	21.11	2.24
	40	36	25.44	2.03	24.72	2.10	23.93	2.16	23.52	2.20	23.19	2.24	22.35	2.30
	45	41	26.98	2.10	26.33	2.17	25.56	2.24	25.13	2.28	24.79	2.31	23.89	2.38
	47	43	27.60	2.13	26.98	2.20	26.21	2.27	**25.78**	**2.31**	25.44	2.34	24.51	2.41
	50	46	27.68	2.12	27.12	2.18	26.45	2.24	26.06	2.28	25.76	2.30	24.89	2.37
	55	51	27.81	2.09	27.35	2.15	26.85	2.20	26.54	2.22	26.29	2.24	25.51	2.29
	60	56	27.95	2.07	27.58	2.11	27.24	2.15	27.01	2.17	26.82	2.18	26.14	2.21
	63	59	28.03	2.06	27.72	2.09	27.48	2.12	27.29	2.13	27.14	2.14	26.51	2.17
	68	64	28.11	2.05	27.86	2.07	27.72	2.10	27.58	2.10	27.47	2.11	26.89	2.12
Mixed Indoor Units 73 (135%)	0	-0.4	30.38	3.78	28.60	3.93	28.59	3.98	27.94	4.02	27.42	4.04	26.26	4.19
	5	4.5	35.75	3.94	34.09	4.08	33.58	4.16	32.87	4.21	32.30	4.25	31.00	4.39
	10	9	39.35	4.08	37.76	4.22	36.92	4.33	36.17	4.39	35.57	4.43	34.17	4.57
	17	15	43.31	4.27	41.80	4.41	40.60	4.55	**39.80**	**4.62**	39.17	4.68	37.66	4.82
	20	19	45.71	4.40	44.25	4.54	42.83	4.69	42.00	4.78	41.35	4.85	39.77	4.98
	25	23	49.70	4.63	48.23	4.76	46.55	4.94	45.67	5.04	44.97	5.12	43.28	5.26
	30	28	53.71	4.88	52.05	5.04	50.26	5.19	49.34	5.31	48.60	5.40	46.82	5.53
	35	32	57.72	5.12	55.88	5.30	53.98	5.44	53.01	5.57	52.23	5.67	50.35	5.81
	40	36	60.66	5.27	58.96	5.45	57.08	5.61	56.09	5.73	55.30	5.82	53.30	5.97
	45	41	64.34	5.46	62.80	5.64	60.95	5.82	59.94	5.92	59.13	6.01	56.98	6.18
	47	43	65.81	5.53	64.34	5.72	62.50	5.90	**61.48**	**6.00**	60.66	6.08	58.46	6.26
	50	46	66.00	5.50	64.67	5.66	63.07	5.83	62.16	5.91	61.43	5.98	59.35	6.15
	55	51	66.33	5.44	65.23	5.57	64.02	5.71	63.29	5.77	62.70	5.82	60.84	5.95
	60	56	66.65	5.38	65.78	5.49	64.97	5.59	64.42	5.63	63.97	5.66	62.33	5.75
	63	59	66.84	5.35	66.11	5.43	65.54	5.51	65.09	5.54	64.73	5.56	63.23	5.63
	68	64	67.04	5.31	66.45	5.38	66.12	5.44	65.78	5.46	65.51	5.47	64.14	5.51
Mixed Indoor Units 70 (130%)	0	-0.4	30.10	3.73	28.34	3.87	28.33	3.93	27.69	3.96	27.17	3.99	26.02	4.13
	5	4.5	35.43	3.88	33.78	4.03	33.28	4.11	32.58	4.15	32.01	4.19	30.72	4.33
	10	9	39.00	4.03	37.42	4.17	36.59	4.27	35.85	4.33	35.25	4.37	33.86	4.51
	17	15	42.92	4.22	41.43	4.35	40.24	4.49	**39.45**	**4.56**	38.82	4.62	37.32	4.76
	20	19	45.30	4.34	43.86	4.48	42.44	4.63	41.63	4.72	40.98	4.79	39.42	4.92
	25	23	49.26	4.57	47.80	4.70	46.14	4.88	45.26	4.98	44.57	5.05	42.89	5.19
	30	28	53.23	4.81	51.59	4.97	49.81	5.12	48.90	5.23	48.17	5.33	46.40	5.46
	35	32	57.21	5.05	55.38	5.23	53.50	5.37	52.54	5.49	51.77	5.59	49.90	5.73
	40	36	60.12	5.20	58.43	5.38	56.57	5.53	55.59	5.65	54.80	5.74	52.82	5.89
	45	41	63.76	5.39	62.24	5.57	60.41	5.74	59.40	5.84	58.60	5.93	56.47	6.10
	47	43	65.22	5.46	63.76	5.64	61.94	5.82	**60.93**	**5.92**	60.12	6.00	57.93	6.18
	50	46	65.41	5.42	64.09	5.59	62.51	5.75	61.60	5.84	60.88	5.90	58.82	6.06
	55	51	65.73	5.37	64.64	5.50	63.45	5.63	62.72	5.69	62.14	5.75	60.30	5.87
	60	56	66.05	5.31	65.19	5.41	64.39	5.51	63.84	5.55	63.40	5.59	61.78	5.67
	63	59	66.24	5.28	65.52	5.36	64.96	5.44	64.51	5.47	64.15	5.49	62.66	5.56
	68	64	66.44	5.24	65.85	5.31	65.52	5.37	65.19	5.38	64.92	5.40	63.56	5.44

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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Heating Capacity Tables

Table 148: LMU540HV Heating Capacity Table —Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 65 (120%)	0	-0.4	29.65	3.65	27.92	3.79	27.91	3.84	27.27	3.88	26.77	3.90	25.64	4.04
	5	4.5	34.90	3.80	33.28	3.94	32.78	4.02	32.09	4.06	31.53	4.10	30.26	4.24
	10	9	38.42	3.94	36.86	4.07	36.05	4.18	35.31	4.23	34.73	4.28	33.36	4.41
	17	15	42.28	4.12	40.81	4.26	39.63	4.39	**38.86**	**4.46**	38.24	4.52	36.77	4.65
	20	19	44.62	4.25	43.20	4.38	41.81	4.53	41.01	4.61	40.36	4.68	38.83	4.81
	25	23	48.52	4.47	47.09	4.60	45.45	4.77	44.59	4.87	43.90	4.94	42.25	5.07
	30	28	52.44	4.70	50.82	4.86	49.07	5.01	48.17	5.12	47.45	5.21	45.71	5.34
	35	32	56.35	4.94	54.56	5.12	52.70	5.25	51.75	5.37	50.99	5.47	49.15	5.60
	40	36	59.22	5.09	57.56	5.26	55.72	5.41	54.76	5.52	53.99	5.62	52.03	5.76
	45	41	62.81	5.27	61.31	5.44	59.50	5.61	58.52	5.71	57.73	5.80	55.63	5.96
	47	43	64.25	5.34	62.81	5.52	61.02	5.69	**60.02**	**5.79**	59.22	5.87	57.07	6.04
	50	46	64.44	5.31	63.14	5.46	61.57	5.62	60.68	5.71	59.97	5.77	57.94	5.93
	55	51	64.75	5.25	63.68	5.38	62.50	5.51	61.78	5.57	61.21	5.62	59.40	5.74
	60	56	65.07	5.19	64.22	5.29	63.43	5.39	62.89	5.43	62.45	5.46	60.85	5.55
	63	59	65.25	5.16	64.54	5.24	63.98	5.32	63.55	5.35	63.20	5.37	61.73	5.43
	68	64	65.44	5.13	64.87	5.19	64.55	5.25	64.22	5.27	63.95	5.28	62.61	5.32
Mixed Indoor Units 59 (110%)	0	-0.4	29.11	3.55	27.41	3.68	27.40	3.74	26.77	3.77	26.28	3.79	25.17	3.93
	5	4.5	34.26	3.69	32.67	3.83	32.18	3.91	31.50	3.95	30.96	3.98	29.71	4.12
	10	9	37.71	3.83	36.19	3.96	35.38	4.06	34.66	4.12	34.09	4.16	32.75	4.29
	17	15	41.51	4.01	40.06	4.14	38.91	4.27	**38.15**	**4.34**	37.54	4.39	36.09	4.52
	20	19	43.80	4.13	42.41	4.26	41.04	4.40	40.26	4.49	39.62	4.55	38.12	4.68
	25	23	47.63	4.34	46.22	4.47	44.62	4.64	43.77	4.73	43.10	4.81	41.47	4.93
	30	28	51.48	4.57	49.88	4.73	48.17	4.87	47.29	4.98	46.58	5.06	44.87	5.19
	35	32	55.32	4.81	53.56	4.98	51.73	5.11	50.80	5.22	50.06	5.32	48.25	5.45
	40	36	58.14	4.95	56.50	5.12	54.70	5.26	53.75	5.37	53.00	5.46	51.08	5.60
	45	41	61.66	5.12	60.19	5.29	58.41	5.46	57.44	5.56	56.67	5.64	54.61	5.80
	47	43	63.07	5.19	61.66	5.36	59.90	5.53	**58.92**	**5.63**	58.14	5.71	56.02	5.88
	50	46	63.26	5.16	61.98	5.31	60.45	5.47	59.57	5.55	58.87	5.62	56.88	5.77
	55	51	63.56	5.10	62.51	5.23	61.36	5.35	60.65	5.42	60.09	5.46	58.31	5.58
	60	56	63.87	5.05	63.04	5.15	62.27	5.24	61.73	5.28	61.31	5.31	59.74	5.40
	63	59	64.06	5.02	63.36	5.10	62.81	5.17	62.38	5.20	62.04	5.22	60.60	5.28
	68	64	64.24	4.98	63.68	5.05	63.36	5.11	63.04	5.12	62.78	5.13	61.47	5.17
Mixed Indoor Units 54 (100%)	0	-0.4	28.66	3.46	26.98	3.59	26.97	3.65	26.36	3.68	25.87	3.70	24.77	3.83
	5	4.5	33.73	3.60	32.16	3.73	31.68	3.81	31.01	3.85	30.47	3.89	29.24	4.02
	10	9	37.12	3.73	35.62	3.86	34.83	3.96	34.12	4.01	33.56	4.06	32.24	4.19
	17	15	40.86	3.91	39.44	4.04	38.30	4.16	**37.55**	**4.23**	36.95	4.29	35.53	4.41
	20	19	43.12	4.03	41.75	4.15	40.40	4.29	39.63	4.37	39.01	4.44	37.52	4.56
	25	23	46.89	4.24	45.50	4.36	43.92	4.52	43.09	4.61	42.42	4.69	40.83	4.81
	30	28	50.67	4.46	49.11	4.61	47.42	4.75	46.55	4.85	45.85	4.94	44.17	5.06
	35	32	54.45	4.69	52.72	4.85	50.93	4.98	50.01	5.09	49.28	5.19	47.50	5.31
	40	36	57.23	4.82	55.62	4.99	53.85	5.13	52.92	5.24	52.17	5.32	50.28	5.47
	45	41	60.70	4.99	59.25	5.16	57.50	5.32	56.55	5.42	55.78	5.50	53.76	5.66
	47	43	62.09	5.06	60.70	5.23	58.96	5.40	**58.00**	**5.49**	57.23	5.56	55.15	5.73
	50	46	62.27	5.03	61.01	5.18	59.50	5.33	58.64	5.41	57.95	5.48	55.99	5.62
	55	51	62.57	4.98	61.53	5.10	60.40	5.22	59.70	5.28	59.15	5.33	57.40	5.44
	60	56	62.88	4.92	62.06	5.02	61.29	5.11	60.77	5.15	60.35	5.18	58.81	5.26
	63	59	63.06	4.89	62.37	4.97	61.83	5.05	61.41	5.07	61.07	5.09	59.65	5.15
	68	64	63.24	4.86	62.69	4.92	62.37	4.98	62.05	4.99	61.80	5.00	60.51	5.05

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 149: LMU540HV Heating Capacity Table —Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 49 (90%)	0	-0.4	26.00	3.12	24.48	3.24	24.47	3.29	23.92	3.31	23.47	3.33	22.48	3.46
	5	4.5	30.60	3.25	29.18	3.37	28.75	3.43	28.14	3.47	27.65	3.50	26.54	3.62
	10	9	33.69	3.37	32.33	3.48	31.61	3.57	30.96	3.62	30.45	3.66	29.25	3.77
	17	15	37.07	3.53	35.78	3.64	34.75	3.75	**34.07**	**3.81**	33.53	3.86	32.24	3.98
	20	19	39.13	3.63	37.88	3.74	36.66	3.87	35.96	3.94	35.39	4.00	34.05	4.11
	25	23	42.55	3.82	41.29	3.93	39.85	4.08	39.10	4.16	38.50	4.23	37.05	4.34
	30	28	45.98	4.02	44.56	4.15	43.03	4.28	42.24	4.38	41.61	4.45	40.08	4.56
	35	32	49.41	4.22	47.84	4.38	46.21	4.49	45.38	4.59	44.72	4.68	43.10	4.79
	40	36	51.93	4.35	50.47	4.50	48.86	4.63	48.02	4.72	47.34	4.80	45.62	4.93
	45	41	55.08	4.50	53.76	4.65	52.18	4.80	51.31	4.89	50.62	4.96	48.78	5.10
	47	43	56.34	4.56	55.08	4.72	53.50	4.87	**52.63**	**4.95**	51.93	5.02	50.04	5.17
	50	46	56.50	4.54	55.36	4.67	53.99	4.81	53.21	4.88	52.58	4.94	50.81	5.07
	55	51	56.78	4.49	55.84	4.60	54.81	4.71	54.18	4.76	53.67	4.80	52.08	4.91
	60	56	57.05	4.44	56.31	4.53	55.62	4.61	55.14	4.64	54.76	4.67	53.36	4.74
	63	59	57.22	4.41	56.60	4.48	56.11	4.55	55.72	4.57	55.42	4.59	54.13	4.65
	68	64	57.39	4.38	56.88	4.44	56.60	4.49	56.31	4.50	56.08	4.51	54.90	4.55
Mixed Indoor Units 43 (80%)	0	-0.4	22.82	2.71	21.49	2.81	21.48	2.86	20.99	2.88	20.60	2.90	19.73	3.00
	5	4.5	26.86	2.82	25.61	2.92	25.23	2.98	24.69	3.02	24.27	3.04	23.29	3.15
	10	9	29.56	2.93	28.37	3.03	27.74	3.10	27.18	3.14	26.72	3.18	25.67	3.28
	17	15	32.54	3.06	31.41	3.16	30.50	3.26	**29.90**	**3.31**	29.43	3.36	28.29	3.45
	20	19	34.34	3.16	33.25	3.25	32.18	3.36	31.56	3.43	31.06	3.48	29.88	3.57
	25	23	37.34	3.32	36.24	3.41	34.98	3.54	34.31	3.61	33.78	3.67	32.51	3.77
	30	28	40.36	3.49	39.11	3.61	37.76	3.72	37.07	3.80	36.52	3.87	35.17	3.96
	35	32	43.37	3.67	41.99	3.80	40.56	3.90	39.83	3.99	39.24	4.06	37.83	4.16
	40	36	45.58	3.78	44.30	3.91	42.88	4.02	42.14	4.10	41.55	4.17	40.04	4.28
	45	41	48.34	3.91	47.18	4.04	45.79	4.17	45.03	4.24	44.42	4.30	42.81	4.43
	47	43	49.44	3.97	48.34	4.10	46.96	4.23	**46.19**	**4.30**	45.58	4.36	43.92	4.49
	50	46	49.59	3.94	48.59	4.06	47.39	4.18	46.70	4.24	46.15	4.29	44.59	4.40
	55	51	49.83	3.90	49.00	3.99	48.10	4.09	47.55	4.14	47.11	4.17	45.71	4.26
	60	56	50.07	3.86	49.42	3.93	48.81	4.00	48.40	4.03	48.06	4.06	46.83	4.12
	63	59	50.22	3.83	49.67	3.89	49.24	3.95	48.90	3.97	48.63	3.99	47.50	4.04
	68	64	50.36	3.81	49.92	3.86	49.67	3.90	49.42	3.91	49.21	3.92	48.19	3.95
Mixed Indoor Units 38 (70%)	0	-0.4	20.17	2.36	18.99	2.45	18.98	2.49	18.55	2.51	18.20	2.53	17.44	2.62
	5	4.5	23.74	2.46	22.63	2.55	22.30	2.60	21.82	2.63	21.45	2.65	20.58	2.74
	10	9	26.13	2.55	25.07	2.64	24.51	2.70	24.02	2.74	23.62	2.77	22.69	2.86
	17	15	28.76	2.67	27.75	2.76	26.96	2.84	**26.43**	**2.89**	26.00	2.93	25.00	3.01
	20	19	30.35	2.75	29.38	2.84	28.44	2.93	27.89	2.99	27.45	3.03	26.41	3.12
	25	23	33.00	2.89	32.02	2.98	30.91	3.09	30.32	3.15	29.86	3.20	28.73	3.29
	30	28	35.66	3.05	34.56	3.15	33.37	3.24	32.76	3.32	32.27	3.37	31.08	3.46
	35	32	38.32	3.20	37.10	3.31	35.84	3.40	35.20	3.48	34.68	3.54	33.43	3.63
	40	36	40.28	3.29	39.15	3.41	37.90	3.50	37.24	3.58	36.72	3.64	35.39	3.73
	45	41	42.72	3.41	41.70	3.53	40.47	3.63	39.80	3.70	39.26	3.75	37.83	3.86
	47	43	43.70	3.46	42.72	3.57	41.50	3.69	**40.82**	**3.75**	40.28	3.80	38.81	3.92
	50	46	43.82	3.44	42.94	3.54	41.88	3.64	41.27	3.70	40.78	3.74	39.41	3.84
	55	51	44.04	3.40	43.31	3.48	42.51	3.57	42.02	3.61	41.63	3.64	40.40	3.72
	60	56	44.25	3.36	43.68	3.43	43.14	3.49	42.77	3.52	42.47	3.54	41.39	3.59
	63	59	44.38	3.34	43.90	3.40	43.52	3.45	43.22	3.46	42.98	3.48	41.98	3.52
	68	64	44.51	3.32	44.12	3.36	43.90	3.40	43.67	3.41	43.49	3.42	42.58	3.45

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB), and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

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PERFORMANCE DATA

Heating Capacity Tables

Table 150: LMU540HV Heating Capacity Table —Mixed Indoor Units (continued).

Combination Capacity Index (kBtu/h[%])	Outdoor Air Temp.		Indoor Air Temp. °F DB											
			61		64		68		70		72		75	
	°F DB	°F WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Mixed Indoor Units 32 (60%)	0	-0.4	16.98	1.95	15.99	2.03	15.98	2.06	15.62	2.08	15.33	2.09	14.68	2.16
	5	4.5	19.99	2.03	19.06	2.11	18.77	2.15	18.38	2.17	18.06	2.19	17.33	2.27
	10	9	22.00	2.11	21.11	2.18	20.64	2.24	20.22	2.27	19.89	2.29	19.10	2.36
	17	15	24.21	2.21	23.37	2.28	22.70	2.35	**22.25**	**2.39**	21.90	2.42	21.05	2.49
	20	19	25.55	2.27	24.74	2.34	23.94	2.42	23.48	2.47	23.11	2.51	22.24	2.58
	25	23	27.79	2.39	26.96	2.46	26.03	2.55	25.53	2.61	25.14	2.65	24.19	2.72
	30	28	30.03	2.52	29.10	2.60	28.10	2.68	27.58	2.74	27.17	2.79	26.17	2.86
	35	32	32.27	2.65	31.24	2.74	30.18	2.81	29.64	2.88	29.20	2.93	28.15	3.00
	40	36	33.91	2.72	32.96	2.82	31.91	2.90	31.36	2.96	30.91	3.01	29.79	3.09
	45	41	35.97	2.82	35.11	2.91	34.07	3.00	33.51	3.06	33.06	3.10	31.86	3.19
	47	43	36.79	2.86	35.97	2.95	34.94	3.05	**34.37**	**3.10**	33.91	3.14	32.68	3.24
	50	46	36.90	2.84	36.15	2.93	35.26	3.01	34.75	3.06	34.34	3.09	33.18	3.18
	55	51	37.08	2.81	36.46	2.88	35.79	2.95	35.38	2.98	35.05	3.01	34.01	3.07
	60	56	37.26	2.78	36.77	2.83	36.32	2.89	36.01	2.91	35.76	2.93	34.85	2.97
	63	59	37.37	2.76	36.96	2.81	36.64	2.85	36.39	2.86	36.19	2.88	35.35	2.91
	68	64	37.48	2.74	37.15	2.78	36.96	2.81	36.77	2.82	36.62	2.83	35.86	2.85
Mixed Indoor Units 27 (50%)	0	-0.4	14.33	1.61	13.49	1.67	13.49	1.70	13.18	1.71	12.93	1.72	12.39	1.79
	5	4.5	16.86	1.68	16.08	1.74	15.84	1.78	15.50	1.80	15.24	1.81	14.62	1.87
	10	9	18.56	1.74	17.81	1.80	17.42	1.85	17.06	1.87	16.78	1.89	16.12	1.95
	17	15	20.43	1.82	19.72	1.88	19.15	1.94	**18.78**	**1.97**	18.47	2.00	17.76	2.06
	20	19	21.56	1.88	20.87	1.94	20.20	2.00	19.81	2.04	19.50	2.07	18.76	2.13
	25	23	23.45	1.97	22.75	2.03	21.96	2.11	21.54	2.15	21.21	2.19	20.41	2.24
	30	28	25.34	2.08	24.55	2.15	23.71	2.21	23.27	2.26	22.93	2.30	22.08	2.36
	35	32	27.23	2.18	26.36	2.26	25.46	2.32	25.00	2.38	24.64	2.42	23.75	2.48
	40	36	28.61	2.25	27.81	2.33	26.92	2.39	26.46	2.44	26.08	2.48	25.14	2.55
	45	41	30.35	2.33	29.62	2.41	28.75	2.48	28.27	2.53	27.89	2.56	26.88	2.64
	47	43	31.04	2.36	30.35	2.44	29.48	2.52	**29.00**	**2.56**	28.61	2.59	27.57	2.67
	50	46	31.13	2.35	30.51	2.42	29.75	2.49	29.32	2.52	28.97	2.55	28.00	2.62
	55	51	31.29	2.32	30.77	2.38	30.20	2.43	29.85	2.46	29.57	2.48	28.70	2.54
	60	56	31.44	2.30	31.03	2.34	30.65	2.38	30.38	2.40	30.17	2.42	29.40	2.45
	63	59	31.53	2.28	31.19	2.32	30.92	2.35	30.70	2.36	30.53	2.37	29.83	2.40
	68	64	31.62	2.27	31.34	2.30	31.19	2.32	31.03	2.33	30.90	2.33	30.25	2.35
Mixed Indoor Units 24 (40%)	0	-0.4	12.74	1.41	11.99	1.47	11.99	1.49	11.72	1.50	11.50	1.51	11.01	1.56
	5	4.5	14.99	1.47	14.29	1.52	14.08	1.55	13.78	1.57	13.54	1.59	13.00	1.64
	10	9	16.50	1.52	15.83	1.58	15.48	1.62	15.17	1.64	14.92	1.66	14.33	1.71
	17	15	18.16	1.60	17.53	1.65	17.02	1.70	**16.69**	**1.73**	16.42	1.75	15.79	1.80
	20	19	19.17	1.64	18.56	1.69	17.96	1.75	17.61	1.78	17.34	1.81	16.68	1.86
	25	23	20.84	1.73	20.22	1.78	19.52	1.85	19.15	1.88	18.86	1.91	18.15	1.96
	30	28	22.52	1.82	21.83	1.88	21.08	1.94	20.69	1.98	20.38	2.01	19.63	2.07
	35	32	24.20	1.91	23.43	1.98	22.64	2.03	22.23	2.08	21.90	2.12	21.11	2.17
	40	36	25.44	1.97	24.72	2.04	23.93	2.09	23.52	2.14	23.19	2.17	22.35	2.23
	45	41	26.98	2.04	26.33	2.11	25.56	2.17	25.13	2.21	24.79	2.24	23.89	2.31
	47	43	27.60	2.07	26.98	2.13	26.21	2.20	**25.78**	**2.24**	25.44	2.27	24.51	2.34
	50	46	27.68	2.05	27.12	2.11	26.45	2.18	26.06	2.21	25.76	2.23	24.89	2.29
	55	51	27.81	2.03	27.35	2.08	26.85	2.13	26.54	2.15	26.29	2.17	25.51	2.22
	60	56	27.95	2.01	27.58	2.05	27.24	2.09	27.01	2.10	26.82	2.11	26.14	2.15
	63	59	28.03	2.00	27.72	2.03	27.48	2.06	27.29	2.07	27.14	2.08	26.51	2.10
	68	64	28.11	1.98	27.86	2.01	27.72	2.03	27.58	2.04	27.47	2.04	26.89	2.06

TC = Total Capacity (kBtu/h).

PI = Power Input (kW).

Nominal Capacity as rated: 0 ft. above sea level with Piping Length as Main Pipe (16.4 ft.) + Branch pipe (98.4 ft.) = 115 ft.

0 ft. level difference between outdoor and indoor units.

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 60°F wet bulb (WB), and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

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MULTI F MAX OUTDOOR UNIT

Electrical and Acoustic Data

Electrical Data

Table 151: LMU540HV Electrical Data.

Nominal Tons	Unit Model No.	Hertz	Voltage	Voltage Range (Min. to Max.)	MCA	MOP	Compressor Quantity	Compressor Motor RLA	Condenser Fan Motor(s)	
									Condenser Fan Quantity x kW	Condenser Fan Motor FLA
4.5	LMU540HV	60	208 - 230	187 - 253	26.4	40	1	18.5	2 x 0.12	1.25 x 2

Voltage tolerance is ±10%.

Maximum allowable voltage unbalance is 2%.

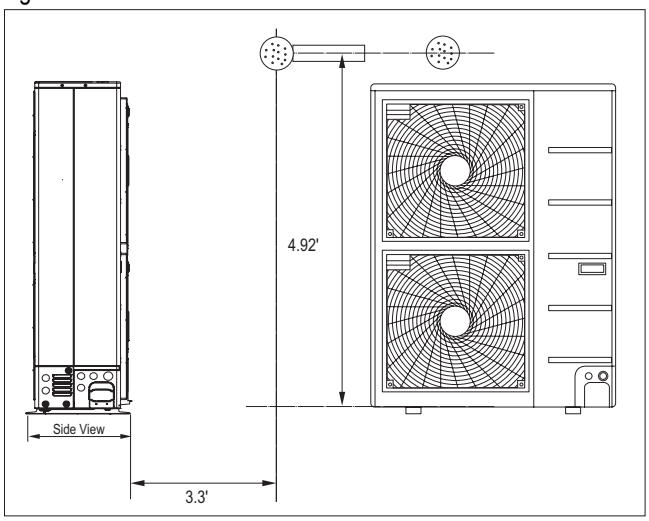
RLA = Rated Load Amps.

MCA = Minimum Circuit Ampacity.

Maximum Overcurrent Protection (MOP) is calculated as follows: (Largest motor FLA x 2.25) + (Sum of other motor FLA) rounded down to the nearest standard fuse size.

Acoustic Data

Figure 21: Sound Pressure Level Measurement Location.

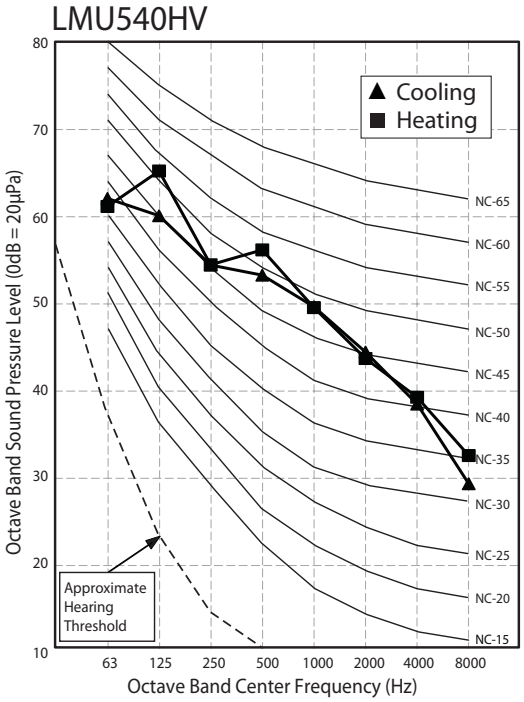


- Measurement taken 4.92' above finished floor, and at a distance of 3.3' from face of unit.
- Measurements taken with no attenuation and units operating at full load normal operating condition.
- Sound level will vary depending on a range of factors such as construction (acoustic absorption coefficient) of particular area in which the equipment is installed.
- Sound pressure levels are measured in dB(A) ±3.
- Tested in anechoic chamber per ISO Standard 3745.

Table 152: Sound Pressure Levels (dB[A]).

Model No.	Sound Pressure Levels (dB[A])	
	Cooling	Heating
LMU540HV	54	56

Figure 22: Sound Pressure Diagram.



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MULTI F MAX OUTDOOR UNIT

Refrigerant Flow Diagram

Figure 23: LMU540HV Refrigerant Flow Diagram.

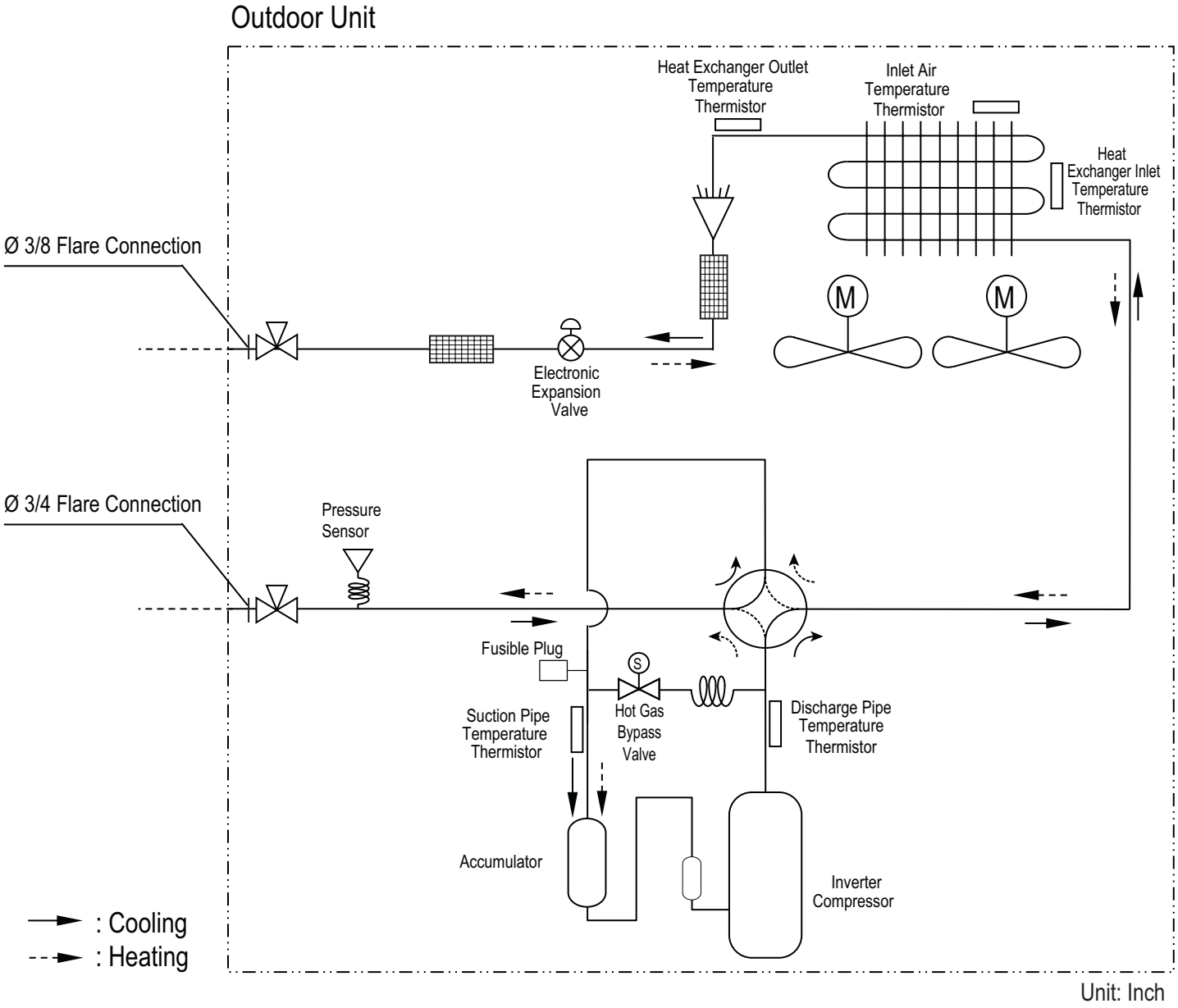
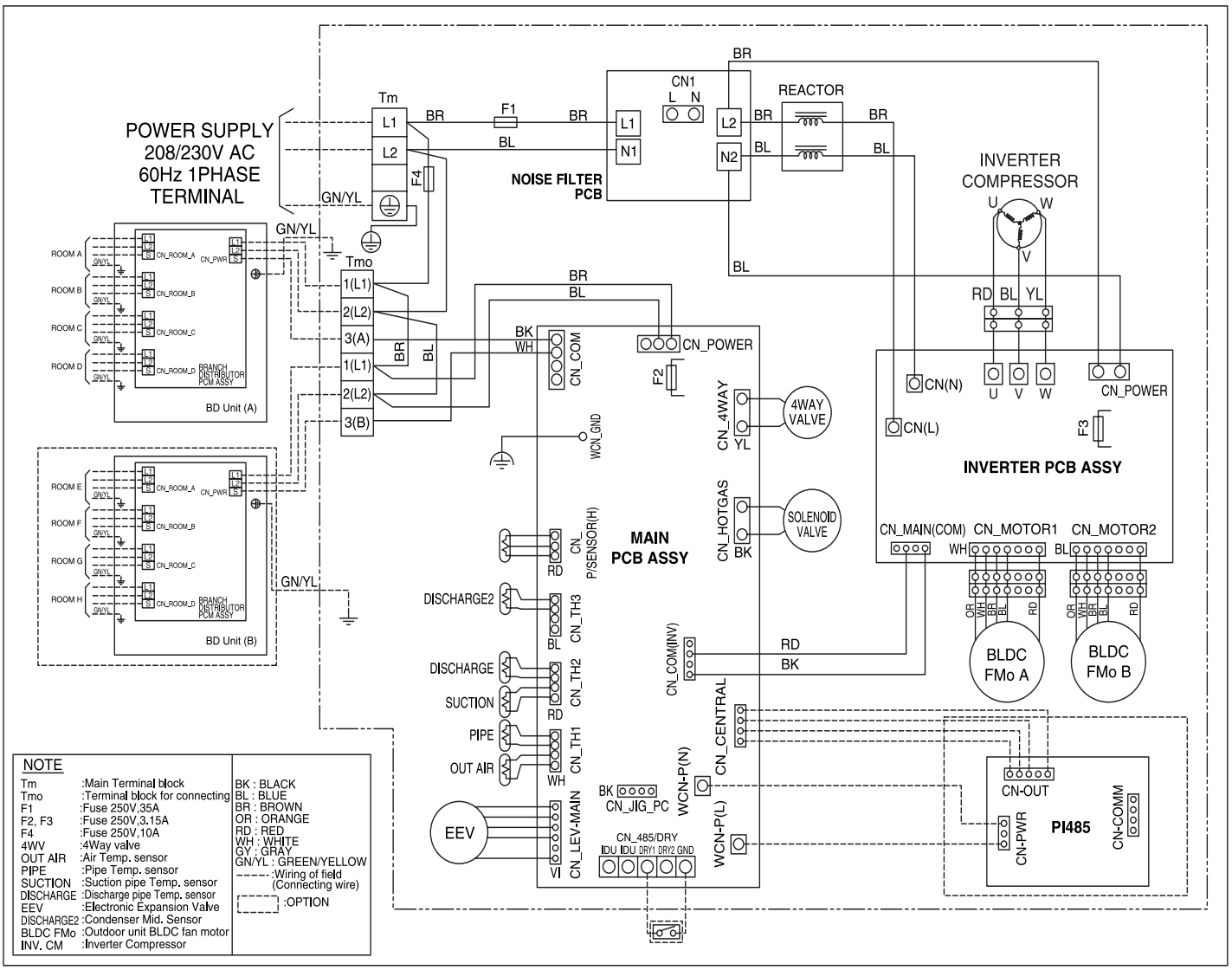


Table 153: LMU540HV Thermistor Details.

Description	PCB Connector
Heat Exchanger Inlet Temperature Thermistor	CN-TH3
Heat Exchanger Outlet Temperature Thermistor	CN-TH1
Inlet Air Temperature Thermistor	
Discharge Pipe Temperature Thermistor	CN-TH2
Suction Pipe Temperature Thermistor	
Pressure Sensor	CN-P/SENSOR(H)

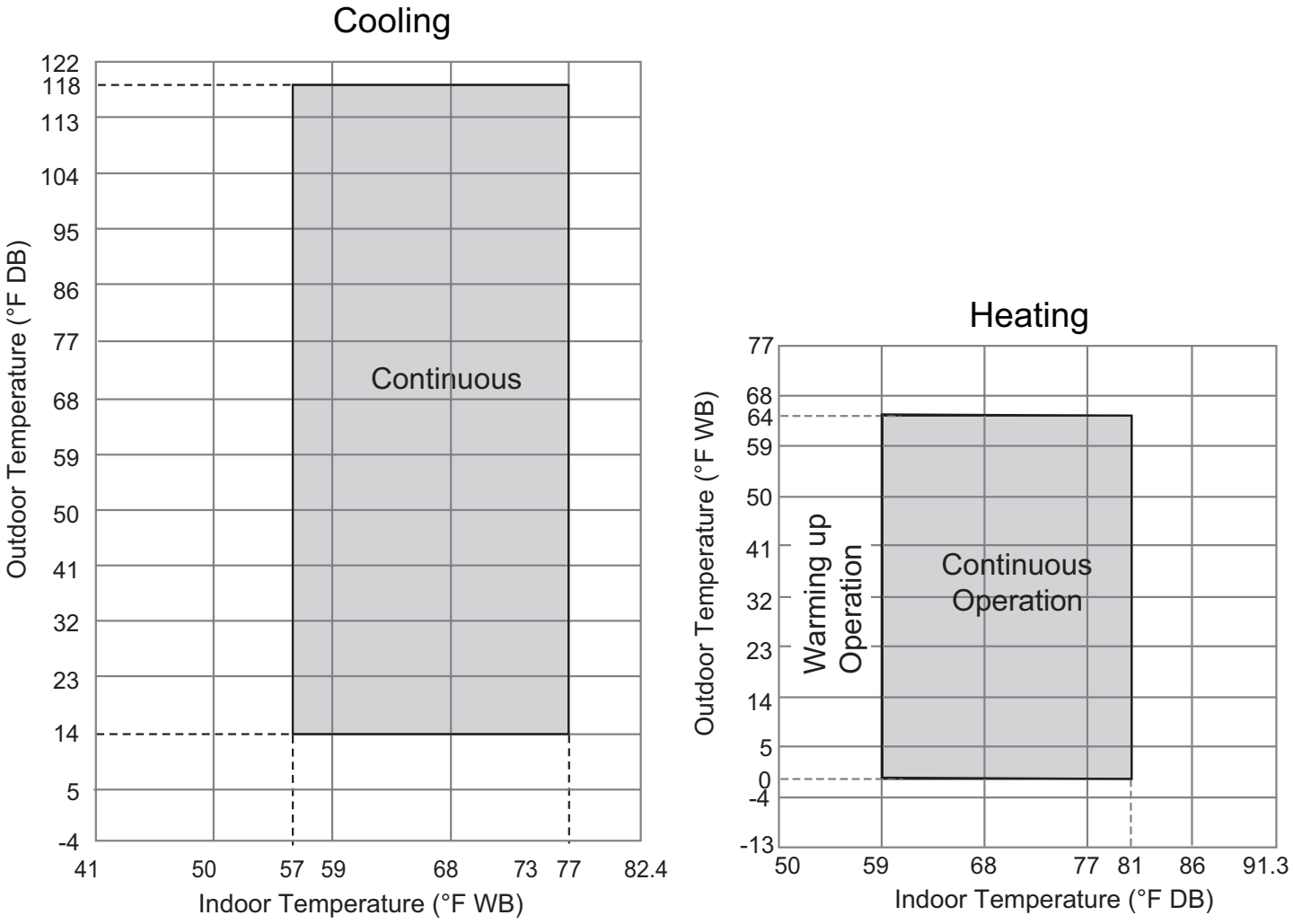
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Figure 24: LMU540HV Wiring Diagram.



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Figure 25: LMU540HV Cooling and Heating Operation Ranges.



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MULTI F MAX BD UNIT DATA

“Features and Benefits” on page 170
“Mechanical Specifications” on page 171
“General Data” on page 172
“Dimensions” on page 173
“Refrigerant Flow Diagram” on page 174
“Wiring Diagram” on page 175
“Y-Branch Accessory” on page 176
“Branch Distribution Unit Orientation” on page 177

MULTI F MAX BD UNIT

Features and Benefits

The Branch Distribution (BD) unit is a required accessory of Multi F MAX inverter-driven heat pump systems. Choose from two (2) port, three (3) port, or four (4) port BD units.

Two (2) refrigerant pipes-one (1) liquid line and one (1) vapor line-run from the outdoor unit to the BD unit that is installed inside of a building. Two (2), three (3), or four (4) sets of refrigerant lines will run from the BD unit to the indoor units, depending on type of BD unit selected. A Multi F MAX system can include up to two BD units (installed with the use of the Y-branch accessory PMBL5620) that support a total of eight (8) indoor units (up to four [4] indoor units per BD unit).

Figure 26: Example of Multi F MAX Heat Pump Inverter System with two BD Units



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MULTI F MAX BD UNIT

Mechanical Specifications

Branch Distribution Unit

General

Branch distribution units are designed for use with LG Multi F MAX (LMU540HV) outdoor units, and are internally piped, wired, assembled and run-tested at the factory. The branch distribution unit is used as an intermediate refrigerant control device between the outdoor unit and the indoor units to effectively and efficiently control the heating or cooling operation of the system through the use of electronic expansion valves.

Refrigerant System

System is designed for use with R410A refrigerant. All refrigerant lines from the outdoor unit to the branch distribution unit, and from the branch distribution unit to the indoor units, must be field insulated. The units may be connected to optional field-supplied and field-installed isolation valves for servicing without evacuating the entire system.

Piping Capabilities

Maximum piping length from the branch distribution unit to the indoor unit is 49.2 equivalent feet. Maximum elevation difference between branch distribution unit and indoor unit is 32.8 feet. Maximum elevation difference between two parallel branch distribution units is 49.2 feet.

Electrical

Each branch distribution unit is designed to operate using 208–230/60/1 power with voltage variances of ±10%.

Figure 27: PMBD3620 Two-Port Branch Distribution Unit.



Figure 28: PMBD3630 Three-Port Branch Distribution Unit.



Figure 29: PMBD3640 and PMBD3641 Four-Port Branch Distribution Unit.



Casing

The casing is designed to mount fully concealed above a finished ceiling, is manufactured of galvanized steel plate, and is internally insulated. Branch distribution units do not require a condensate drain.

Port Assembly

Branch distribution units have a two-pipe system consisting of one vapor pipe and one liquid pipe. Units are available in a choice of two (PMBD3620), three (PMBD3630) or four ports (PMBD3640 and PMBD3641); branch distribution units include two, two-positioned solenoid valves per port. Each port for PMBD3620, PMBD3630, and PMBD3640 units connect to one indoor unit for a maximum nominal capacity of 24,000 Btu/h. For PMBD3641 units, ports A, B, C each connect to one indoor unit for a maximum nominal capacity of 24,000 Btu/h; port D connect to one indoor unit for a nominal capacity of 36,000 Btu/h. Maximum nominal capacity per branch distribution unit is 73,000 Btu/h. Two branch distribution units can be piped in parallel using accessory Y-branch kit PMBL5620.

Controls

The unit is provided with factory-installed control boards and an integral microprocessor to communicate with the main control board in the outdoor unit. Communication between the branch distribution unit, the outdoor unit, and the indoor units is accomplished through a 18 AWG, four-core, stranded and shielded power / communication cable.

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MULTI F MAX BD UNIT

General Data

Table 154: Multi F MAX BD Unit General Data.

Model Number		PMBD3620	PMBD3630	PMBD3640	PMBD3641
No. of Connectable Indoor Units[1]		1-2	1-3	1-4	1-4
Max. Nominal Capacity / Port (Btu/h)[2]		24,000	24,000	24,000	24,000 for A,B,C Ports; 36,000 for D Port
Max. Nominal Capacity / BD Unit (Btu/h)		48,000	72,000	73,000	73,000
Operation Temperature Range (°F DB)		0 ~ 122	0 ~ 122	0 ~ 122	0 ~ 122
Unit Data					
Refrigerant Type		R410A	R410A	R410A	R410A
Power Supply 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 W x H x D (in.)		17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32	17-3/32 x 6-13/32 x 10-23/32
Net Unit Weight (lbs.)		13	14.3	15.7	15.7
Shipping Weight (lbs.)		15	17	18	18
Power Wiring / Communication Cables[3]					
From Outdoor Unit to BD Unit (Qty. x AWG)[3]		4 x 16	4 x 16	4 x 16	4 x 16
From BD Unit to Indoor Unit (Qty. x AWG)[3]		4 x 18	4 x 18	4 x 18	4 x 18
Piping Connections					
Outdoor Unit to BD Unit	Liquid (in., OD)	Ø3/8	Ø3/8	Ø3/8	Ø3/8
	Vapor (in., OD)	Ø3/4	Ø3/4	Ø3/4	Ø3/4
BD Unit to Indoor Units	Liquid (in., OD) x Qty.	Ø1/4 x 2	Ø1/4 x 3	Ø1/4 x 4	Ø1/4 x 3 Ø3/8 x 1
	Vapor (in., OD) x Qty.	Ø3/8 x 2	Ø3/8 x 3	Ø3/8 x 4	Ø3/8 x 3 Ø5/8 x 1
Piping Lengths					
Maximum Total System Piping (ft.)[4]		476	476	476	476
Maximum Main Pipe Length (Outdoor Unit to BD Units [ft.])		180	180	180	180
Total Branch Piping (BD Units to Indoor Units [ft.])		295	295	295	295
Maximum Branch Pipe Length Between BD Unit and Each Indoor Unit [ft.])		49	49	49	49
Maximum Outdoor Unit to Indoor Unit Pipe Length (ft.)		230	230	230	230
Piping Length (No Additional Refrigerant [ft.]; 16 ft. of Main Piping + 131 ft. of Branch Piping)		147	147	147	147
Maximum Elevation between BD Unit and Indoor Unit (ft.)		33	33	33	33
Maximum Elevation between BD Unit and BD Unit (ft.)		49	49	49	49

[1]At least one Branch Distribution Unit is required for system operation; a maximum of two can be installed per outdoor unit with use of Y-branch accessory (PMBL5620) To connect only one (1) indoor unit to a branch distribution unit, the system must include another branch distribution unit with at least one (1) connected indoor unit.

[2]Branch Distribution Unit can accommodate from one (1) indoor unit up to four (4) indoor units depending on the ports available on the Branch Distribution Unit.

[3]All power wiring / communication cables to be four-conductor, stranded, shielded, and must comply with applicable local and national codes.

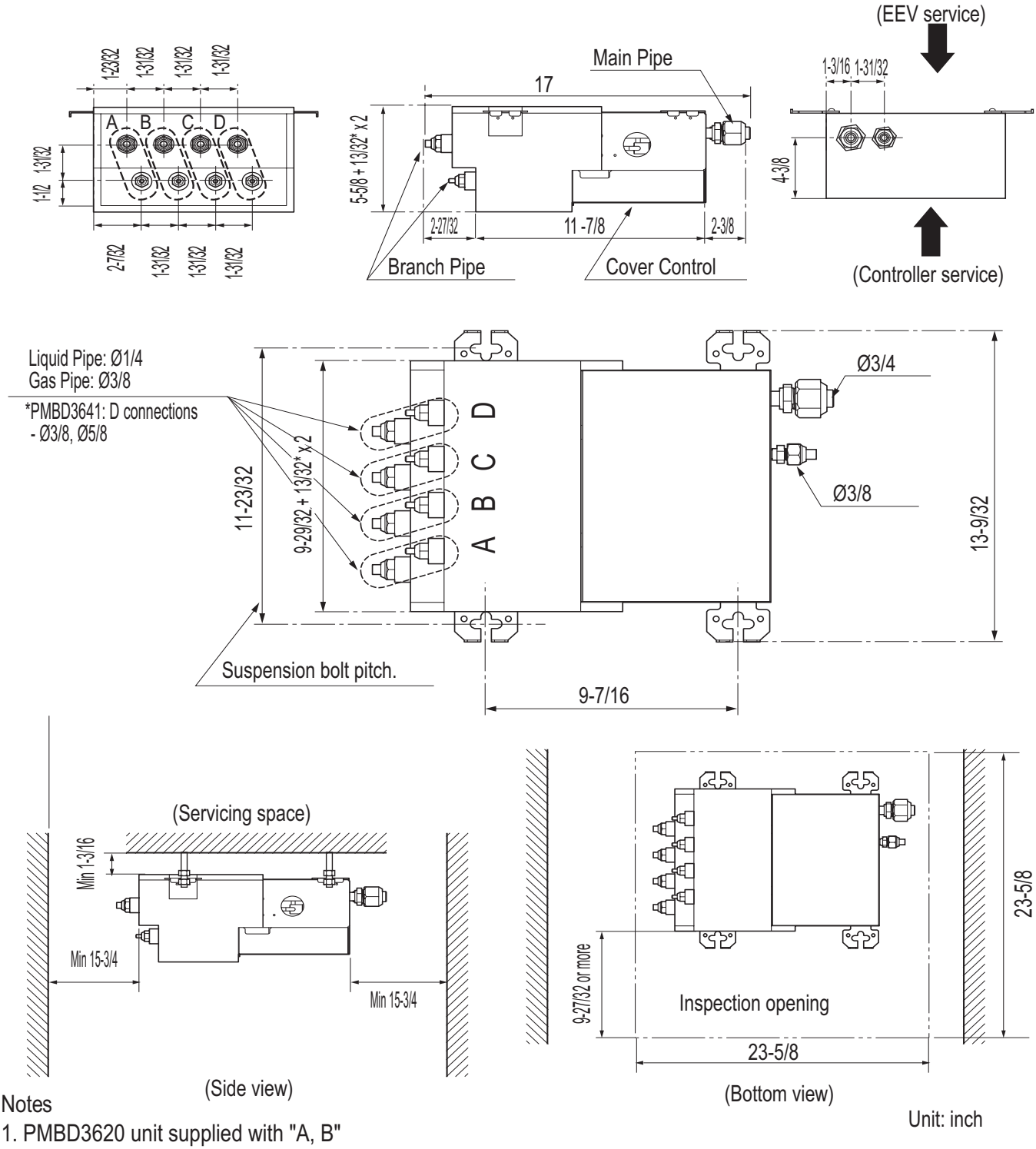
[4]Piping lengths are equivalent.

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MULTI F MAX BD UNIT

Dimensions

Figure 30: PMBD3620, PMBD3630, PMBD3640, and PMBD3641 External Dimensions.



Notes

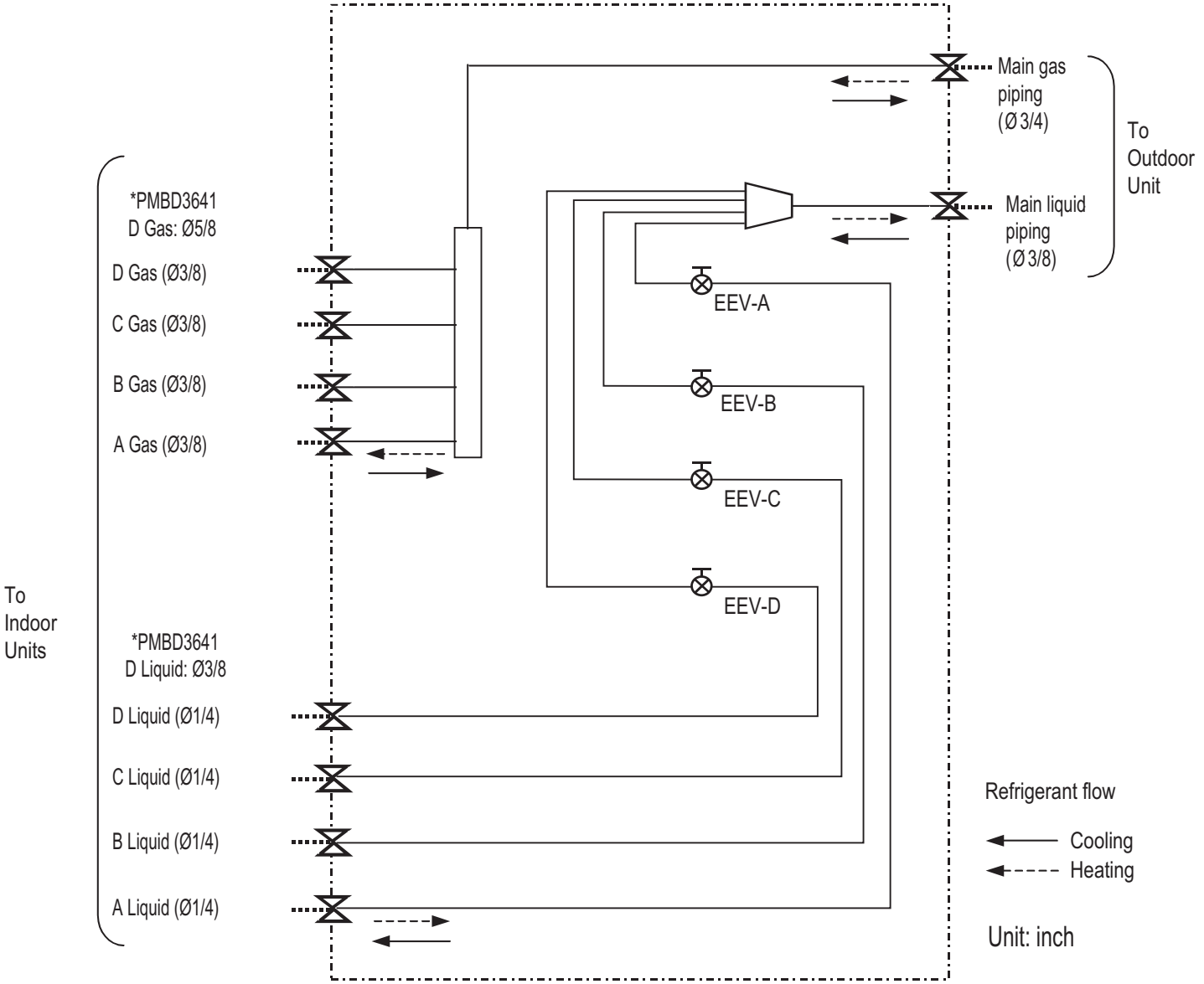
1. PMBD3620 unit supplied with "A, B"
2. PMBD3630 unit supplied with "A, B, C"
3. PMBD3640, PMBD3641 unit supplied with "A, B, C, D"
4. * Thickness of insulation

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MULTI F MAX BD UNIT

Refrigerant Flow Diagram

Figure 31: PMBD3620, PMBD3630, PMBD3640, PMBD3641 Refrigerant Flow Diagram.

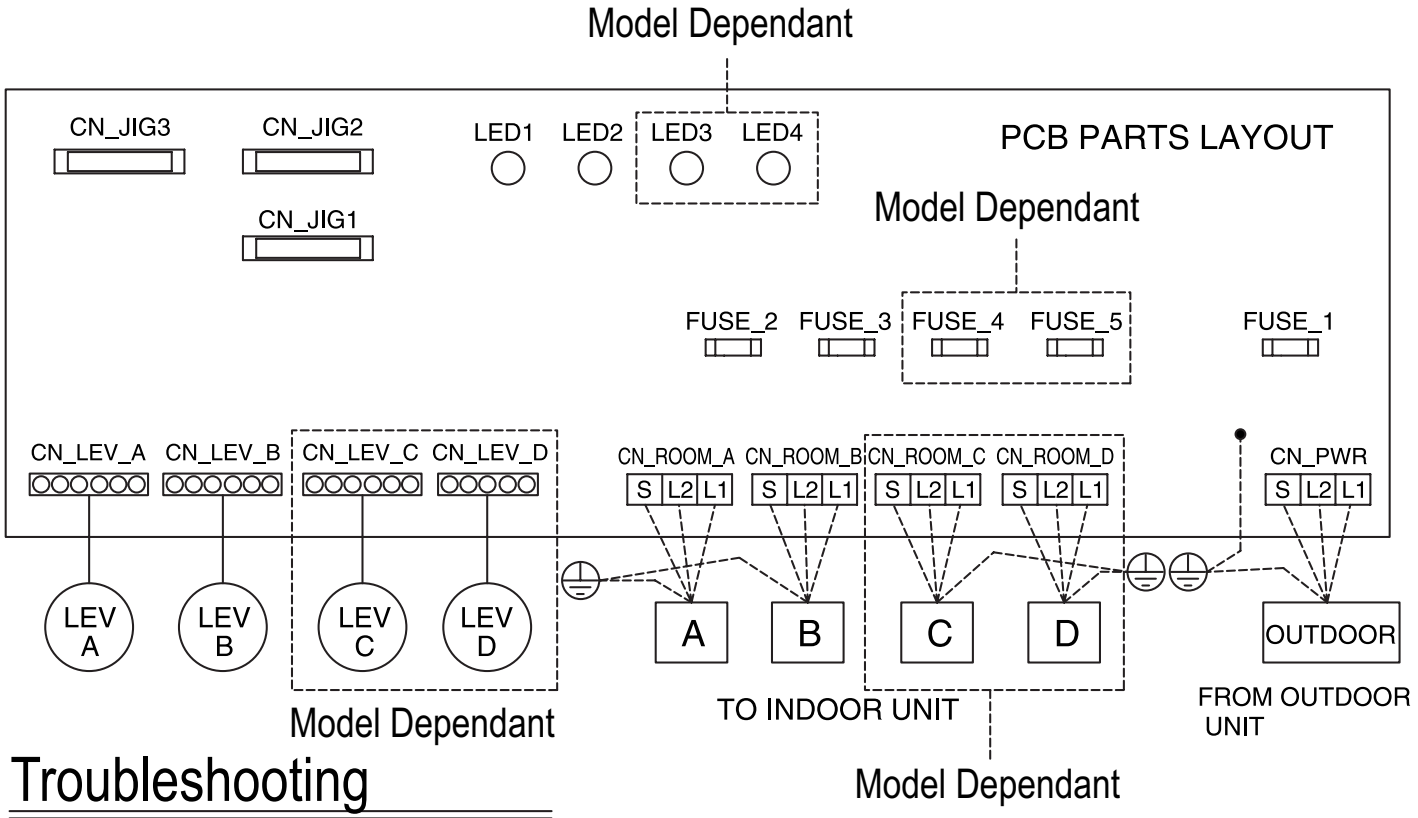


Note:

1. *Flare connections for field piping installation.*
2. *Match the BD ports to the indoor unit and outdoor unit piping sizes. Use an adapter if the piping size does not match the piping size of the connecting indoor unit.*
3. *EEV: Electronic Expansion Valve*
4. *PMBD3620 BD Unit supplied with "A, B".*
   PMBD3630 BD Unit supplied with "A, B, C".
   PMBD3640 and PMBD3641 BD Units supplied with "A, B, C, D".

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Figure 32: PMBD3620, PMBD3630, PMBD3640, PMBD3641 Wiring Diagram.



Troubleshooting

LED	DIAGNOSIS
	NORMAL
	ABNORMALITY -->CHECK BRANCH DISTRIBUTOR UNIT
	ABNORMALITY -->CHECK INDOOR OR OUTDOOR UNIT CHECK CONNECTING CABLE

Note:

PMBD3620 BD Unit supplied with "A, B".
PMBD3630 BD Unit supplied with "A, B, C".
PMBD3640 and PMBD3641 BD Units supplied with "A, B, C, D".

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MULTI F MAX BD UNIT

Multi F MAX Y-Branch Accessory

Y-Branch accessory PMBL5620 is required when installing two branch distribution units in parallel on one Multi F MAX system.

Table 155: Multi F MAX Y-Branch Specifications.

Model	Y-Branch Type	Port Identifier (inch)		
		1	2	3
PMBL5620	Liquid	Ø3/8	Ø3/8	Ø3/8
	Vapor	Ø3/4	Ø3/4	Ø3/4
	Y-Branch Type	Dimensions (inch)		
		X	Y	
	Liquid	13.80	3.24	
	Vapor	12.48	3.02	

Figure 33: Y-Branch Port Identifier Diagram.

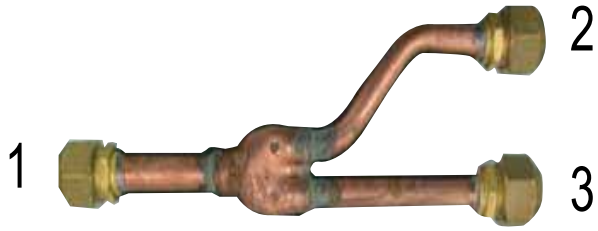
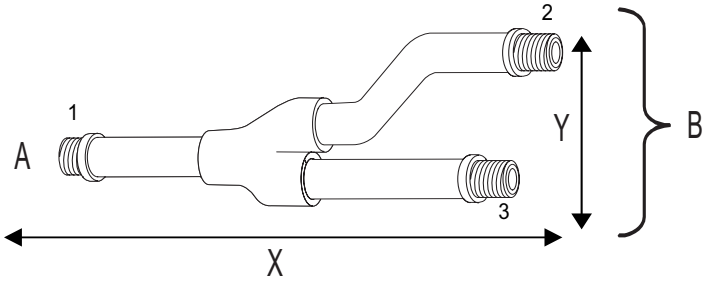


Figure 34: Y-Branch Dimensions Diagram.



A = To Outdoor Unit
B = To Branch Distribution Unit

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MULTI F MAX BD UNIT

Branch Distribution Unit Orientation

Multi F MAX Branch Distribution (BD) Units can be installed in a multitude of options to fit various building configurations and job or application requirements. Multi F MAX BD Units include electronic expansion valves that properly seat only if the BD Unit is installed in an acceptable orientation. Installations with improper BD Unit orientation risk incomplete valve seating and system performance degradation from potential refrigerant leakage through the electronic expansion valve.

Note:

This material is for informational or educational purposes only. It is not intended to be a substitute for professional advice. Consult with your engineer or design professionals for specific applications to your system

Figure 35: Acceptable BD Unit Ceiling Mount Orientations.

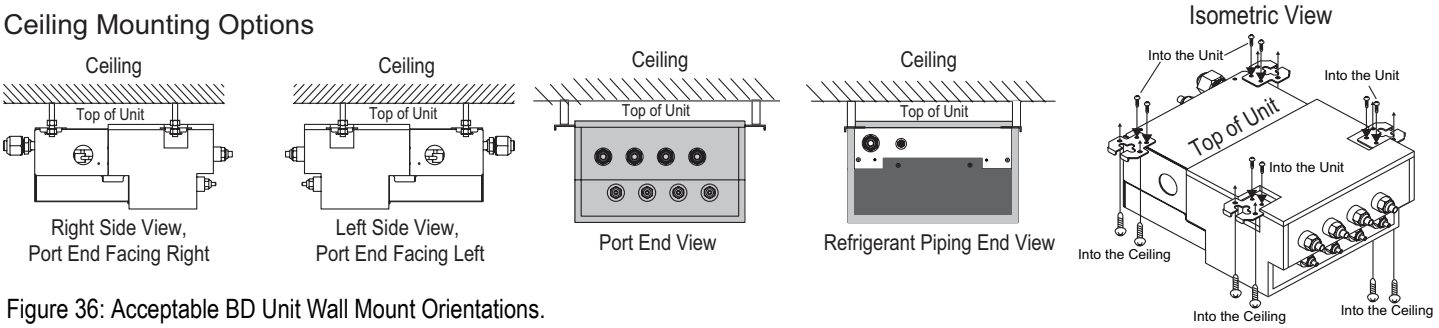


Figure 36: Acceptable BD Unit Wall Mount Orientations.

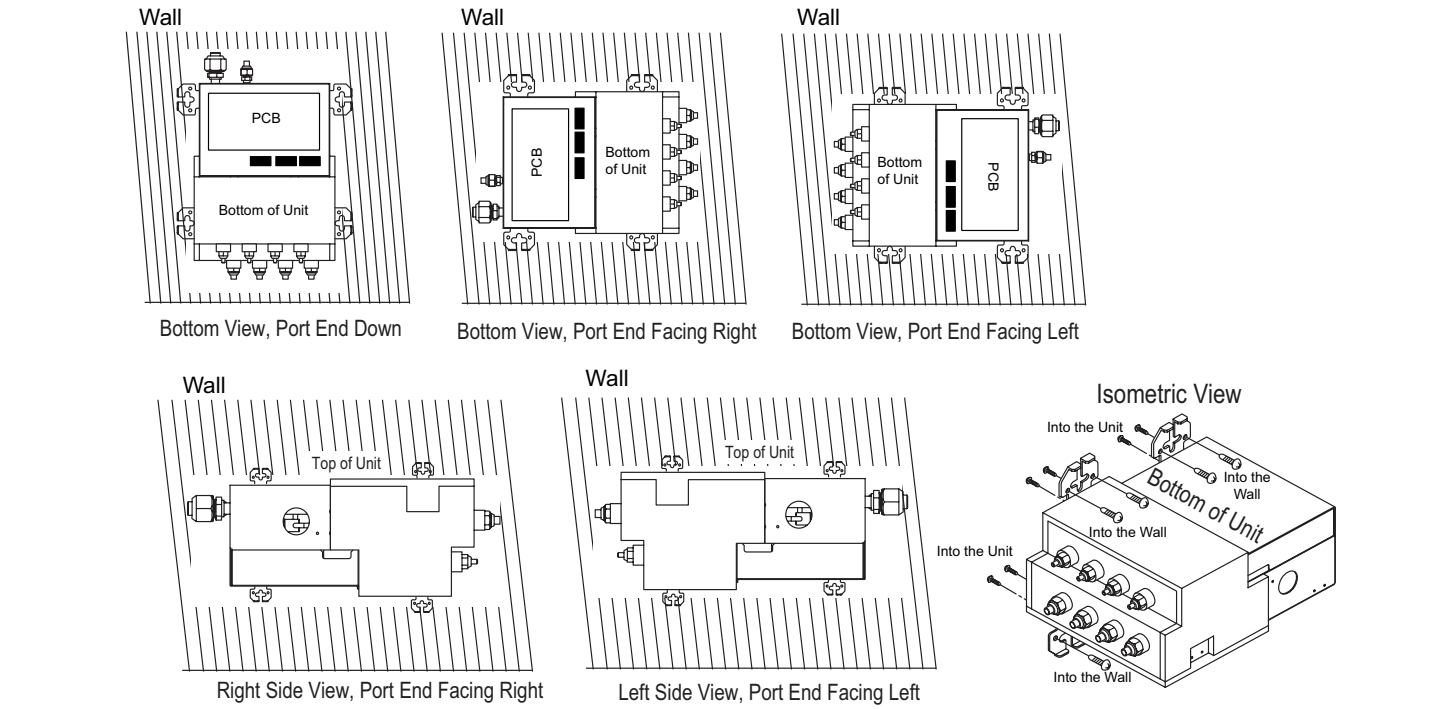
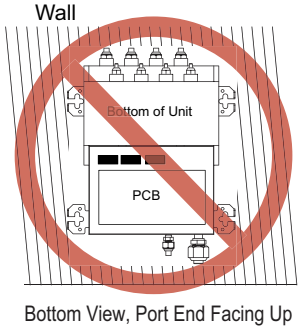


Figure 37: Unacceptable BD Unit Orientation.



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APPLICATION GUIDELINES

“Equipment Selection Procedure” on page 180

“Building Ventilation Design Guide” on page 186

“Placement Considerations” on page 190

EQUIPMENT SELECTION PROCEDURE

MULTI F
MULTI F MAX

To choose the multi-zone system that is the most appropriate for the space, as with traditional air-conditioning systems, follow similar protocols outlined in Manual J from the Air Conditioning Contractors of America (ACCA; see www.acca.org).

1. Obtain the design conditions, and calculate the maximum cool and heat loads for the structure.

2. Select the equipment (choosing the appropriate indoor units and outdoor unit):
   - Determine number of zones.
   - Determine total number of indoor units (refer to zone load calculations when choosing indoor units).
   - Determine number of indoor units allocated to each outdoor unit, considering allowable indoor unit connections, both indoor unit and outdoor unit capacities, and system piping capabilities.

3. Determine the corrected capacity for the indoor units and outdoor unit using:
   - System Combination Tables.
   - Capacity Tables (it may be necessary to interpolate).
   - Capacity Coefficient Factors (such as refrigerant line length derates, design condition derates, defrost operation derate [heating mode], altitude derate [if applicable]).

4. Compare corrected capacities to load calculations.

5. Reselect equipment if necessary.

Obtain Design Conditions, Calculate Maximum Cool / Heat Loads

Obtain the winter outdoor/indoor temperature and summer and winter outdoor/indoor temperature design parameters for the location in which the system is installed. Determine if summer or winter design gains, relative humidity, and building features like skylights, orientation, number of occupants, etc., would change the total heat loss / gain and sensible / latent heat gain, and then calculate the maximum cool and heat loads for the space (using Manual J, or energy modeling programs).

Select the Equipment

Determine the Number of Zones

Multi F heat pump systems can cool or heat, but not simultaneously. When designing larger-capacity Multi F heat pump systems or a Multi F MAX system, the designer may be able to combine spaces with similar load profiles located near or adjacent to each other into “thermal zones.” After combining like spaces into zones that will be served by a single (or grouped) indoor unit(s), calculate the peak cooling and heating loads for each zone.

Choosing the Appropriate Indoor Units

Determine the appropriate indoor unit capacity that satisfies the given zone load calculations, choose how many (and which styles of) indoor units will be required. See Table 156 for allowable indoor unit to outdoor unit connections, and the maximum number of connectable indoor units on each Multi F and Multi F MAX outdoor unit. When choosing, also consider the cooling and heating CFM, featured airflow specifications, and static pressure (if applicable) for each indoor unit.

Avoid oversizing indoor units in an attempt to increase the air exchange rate in the space. Multi F and Multi F MAX systems are designed for minimum airflow over the coil to maximize latent capacity while cooling, maintain a comfortable, consistent discharge air temperature while heating, and minimize fan motor power consumption. In extreme cases, oversizing the indoor units may affect outdoor unit size selection and compromise the outdoor unit’s ability to effectively match the space load(s).

For proper system operation:

1. At least two indoor units must be connected to the outdoor unit.
2. Total connected indoor unit nominal capacity should be a minimum 40% and a maximum of 130% of outdoor unit nominal capacity.
3. To calculate the connected total indoor unit nominal capacity, simply sum up the nominal capacities of all indoor units. For 24,000 and 36,000 Btu/h indoor units, a 1.3 multiplier must first be applied before adding to the sum of other indoor units.

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EQUIPMENT SELECTION PROCEDURE

Table 156: Allowable Indoor Unit to Outdoor Unit Connections.

Indoor units		Outdoor units			
Model Type	Indoor Unit Nominal Capacity* (Btu/h)	LMU187HV	LMU247HV	LMU369HV	LMU540HV
		Maximum No. of Connectable Indoor Units			
	Btu/h	2	3	4	8
ART COOL Mirror	9,000	O	O	O	O
	12,000	O	O	O	O
	18,000	-	O	O	O
ART COOL Gallery	9,000	O	O	O	O
	12,000	O	O	O	O
Wall Mounted	9,000	O	O	O	O
	12,000	O	O	O	O
	18,000	-	O	O	O
Ceiling Concealed Duct-Low Static	9,000	O	O	O	O
	12,000	O	O	O	O
	18,000	-	O	O	O
Ceiling Concealed Duct-High Static	24,000	-	-	O	O
	36,000	-	-	-	O
Four-Way Ceiling Cassette	12,000	O	O	O	O
	18,000	-	O	O	O
Vertical-Horizontal Air Handler	24,000	-	-	O	O
	36,000	-	-	-	O

Choosing the Appropriate Outdoor Unit

After all indoor units are properly sized to offset the applicable loads in each zone, select the outdoor unit by choosing a size that meets both the load-cooling requirement, and offsets the sum of the heating load. Then, the system's combination ratio should be evaluated and confirmed it is within the allowable range (the combination ratio compares the nominal capacity of all connected indoor units to the nominal capacity of the outdoor unit serving them). The total nominal capacity of all indoor units should be smaller than the total nominal capacity of the outdoor unit. If the combination ratio is more than 100%, the designer is undersizing the outdoor unit relative to the combined nominal capacity of the connected indoor units. In some designs, oversized indoor units may be unavoidable in the case where the smallest size indoor unit available from LG is larger than what is necessary to satisfy the zone load. This scenario may also occur when an indoor unit selection one size down from the selected unit is slightly short of fulfilling the design load requirements, and the designer must choose the next largest size unit. Sometimes it is recommended to choose a larger capacity outdoor unit if the installation space is big enough. Also, it may be prudent to oversize the outdoor unit to address those times when the weather conditions may exceed the design conditions, to minimize the possibility of ventilation systems that causes the space temperature to drift outside design parameters, or when the indoor unit's entering air temperature falls outside the approved design temperature range.

Table 157: Nominal Outdoor Unit Capacity.

		Outdoor Units			
		LMU187HV	LMU247HV	LMU369HV	LMU540HV
Nominal Capacity (Btu/h)	Cooling	15,600	19,200	34,000	52,500
	Heating	17,000	26,400	41,000	58,000
Connectable Indoor Units	Minimum No. of Connectable Indoor Units	2	2	2	2
	Maximum No. of Connectable Indoor Units	2	3	4	8
	Maximum Capacity Index	24,000	33,000	48,000	73,000

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Determine the Corrected Capacity

The *corrected* cooling / heating capacity is different from the nominal (rated) cooling / heating capacity. The corrected capacity includes changes in unit performance after considering design temperatures, available capacity that can be allocated from the outdoor unit, pressure drop due to refrigerant line length, defrost operation in heating mode, and (if applicable) altitude. Depending on the location of the building, additional capacity correction factors may need to be applied.

Using the Outdoor Unit Cooling and Heating Capacity Tables

Nominal cooling capacity ratings are obtained with air entering the indoor unit at 80ºF dry bulb (DB) and 67ºF wet bulb (WB), and outdoor ambient conditions of 95ºF dry bulb (DB) and 75ºF wet bulb (WB). Nominal heating capacity ratings are obtained with air entering the indoor unit at 70ºF dry bulb (DB) and 60ºF wet bulb (WB) and outdoor ambient conditions of 47ºF dry bulb (DB) and 43ºF wet bulb (WB).

To evaluate the total outdoor unit capacity at design conditions, reference the Performance Data Capacity Tables found in the Multi F outdoor unit section in this manual. All design temperatures are not explicitly shown in the charts, therefore, interpolation may be necessary to calculate the capacity for specific design conditions. Based on the premise that capacity follows a linear curve, the following formula can be applied:

$$(y - y1) / (y2 - y1) = (x - x1) / (x2 - x1)$$

Where

y = Missing Capacity (Capacity at the Design Temperature).[1]
y1 = Capacity at Lower Temperature (Smaller value of the two nearest published TC datapoints).
y2 = Capacity at Higher Temperature (Higher value of the two nearest published TC datapoints).
x = Design Temperature (Temperature not shown in published capacity tables).[2]
x1 = (Smaller value of the two nearest published temperature datapoints).
x2 = (Larger value of the two nearest published temperature datapoints).

[1]Median between two published Total Capacity [TC] Btu/h datapoints in the capacity table.
[2]Median between two nearest published temperature datapoints.

Using the Indoor Unit Cooling and Heating Capacity Tables

The datapoints shown in the indoor unit cooling and heating capacity charts are based on (and convey) an indoor unit operating with maximum possible refrigerant flow from the outdoor unit and before any derates are applied. In other words, the capacities displayed reflect what the indoor unit would produce if it was the only indoor unit that required capacity, and the outdoor unit did not have to allocate any capacity to another indoor unit.

System operation with a combination of indoor units is not conveyed in these charts, however, the information can be used to calculate indoor unit allocated capacity (without using the system combination tables). Simply calculate by using the formula:

$$Qidu(combi) = Qodu(rated) \times \frac{Qidu(rated)}{\Sigma Qidu(rated)}$$

Where

Qidu(combi) = Individual Indoor Unit Combination Capacity.
Qodu(rated) = Outdoor Unit Rated Capacity.
Qidu(rated) = Individual Indoor Unit Rated Capacity.
ΣQidu(rated) = Total Connected Indoor Unit Rated Capacity.

Note:

The formula can be used to find individual indoor unit capacity for Multi F MAX systems.

Note:

A more accurate method to determine expected capacity would be to apply the outdoor unit's corrected capacity instead of rated capacity.

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EQUIPMENT SELECTION PROCEDURE

Using the System Combination Tables

Multi F system combination tables illustrate how each indoor unit receives a percentage of total outdoor unit rated capacity. Allocation is based on:

- Combinations of Non-Ducted Indoor Units
- Combinations of Ducted Indoor Units
- Combinations of Mixed Non-Ducted and Ducted Indoor Units

Multi F MAX system combination tables only show the total connected indoor unit capacity, but individual indoor unit capacity can be calculated using the formula:

$$Qidu(combi) = Qodu(rated) \times \frac{Qidu(rated)}{\Sigma Qidu(rated)}$$

Note:

A more accurate method to determine expected capacity would be to apply the outdoor unit's corrected capacity instead of rated capacity.

Capacity Coefficient Factors

Refrigerant Line Length Derates

For air-cooled systems, a capacity correction factor may have to be applied to account for the length of the system's refrigerant pipe. Rate of change in capacity due to increased piping lengths is shown in Tables 158 to 160.

Table 158: Multi F Outdoor Unit (Multiple Piping) to Indoor Unit Refrigerant Line Length Derates.

Piping Length (feet)	Cooling Capacity (%)	Heating Capacity (%)
9,000 Btu/h Indoor Unit Models		
25.0	100.0	100.0
32.8	98.0	99.0
49.2	94.8	97.4
65.6	91.6	95.8
82.0	88.4	94.2
12,000 Btu/h Indoor Unit Models		
25.0	100.0	100.0
32.8	97.6	98.6
49.2	93.8	96.4
65.6	89.9	94.1
82.0	86.1	91.9
18,000 Btu/h Indoor Unit Models		
25.0	100.0	100.0
32.8	98.6	99.6
49.2	96.4	99.0
65.6	94.1	98.3
82.0	91.9	97.7
24,000 Btu/h Indoor Unit Models		
25.0	100.0	100.0
32.8	98.2	99.2
49.2	95.4	98.0
65.6	92.4	96.6
82.0	89.6	95.4

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Table 159: Multi F MAX Outdoor Unit to Branch Distribution Unit Refrigerant Line Length Derates.

Main Piping Length (feet)	16.4	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4
Cooling Capacity (%)	100.0	98.8	97.3	95.8	94.3	92.8	91.3	89.8	88.3	86.8	85.3
Heating Capacity (%)	100.0	99.6	99.2	98.7	98.3	97.8	97.4	96.9	96.5	96.0	95.6

Figure 38: Multi F MAX Outdoor Unit to Branch Distribution Unit Refrigerant Line Length Derate Chart.

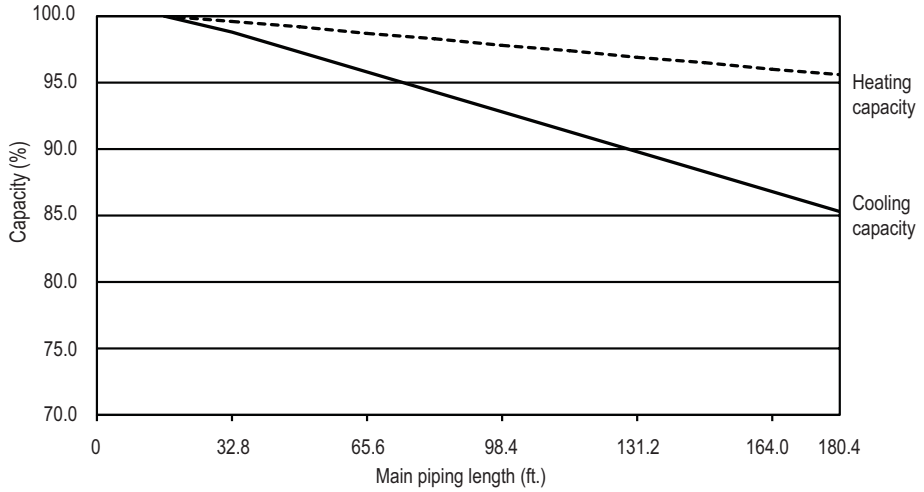


Table 160: Multi F MAX Branch Distribution Unit to Indoor Unit Refrigerant Line Length Derates.

Piping Length (feet)	Cooling Capacity (%)	Heating Capacity (%)
9,000 Btu/h Indoor Unit Models		
16.4	100.0	100.0
32.8	97.5	98.8
49.2	95.0	97.5
12,000 Btu/h Indoor Unit Models		
16.4	100.0	100.0
32.8	97.0	98.3
49.2	94.0	96.5
18,000 Btu/h Indoor Unit Models		
16.4	100.0	100.0
32.8	98.3	99.5
49.2	96.5	99.0
24,000 Btu/h Indoor Unit Models		
16.4	100.0	100.0
32.8	97.8	99.2
49.2	95.5	98.4
36,000 Btu/h Indoor Unit Models		
16.4	100.0	100.0
32.8	97.9	98.8
49.2	95.7	97.6

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EQUIPMENT SELECTION PROCEDURE

Altitude Correction Factor

The impact of air density must be considered on systems installed at a significant altitude above sea level, therefore, locally accepted altitude correction factors must be applied.

Defrost Correction Factor for Heating Operation

The outdoor unit heating capacity may need to be adjusted for frost accumulation on air-cooled systems. If design day conditions are below the dewpoint of the surrounding air, frost may not be a problem and no correction factor is needed. In certain weather conditions, however, frost may form and accumulate on the air-cooled outdoor unit coil and impact the coils ability to transfer heat. If significant frost accumulates on the outdoor unit coil, a defrost algorithm will start automatically. The timing between defrost periods is determined by the system's ability to achieve a target head pressure value.

Capacity and AHRI ratings tables do not factor in capacity reduction when frost has accumulated on the condenser coil, nor during defrost operation.

Integrated heating capacity values can be obtained using the formula:

A = B x C

Where:

A = Integrated Heating Capacity.
B = Value found in the Capacity Table.
C = Correction Factor for Frost Accumulation Factor (from Table 161).

Table 161: Outdoor Unit Frost Accumulation Factor (Heating)[1].

Entering DB (°F)	19.4	23.0	26.6	32.0	37.4	41.0	44.6
Derate factor	0.98	0.95	0.93	0.86	0.93	0.96	1.0

[1]At 85% outdoor air relative humidity.

The frost accumulation factor does not account for effects of snow accumulation restricting airflow through the outdoor unit coil.

Note:

There will be temporary reduction in capacity when frost / ice accumulates on the outside surface of the outdoor unit heat exchanger. The level of capacity reduction depends on a number of factors, for example, outdoor temperature (°F DB), relative humidity (RH), and the amount of frost present.

Check the Indoor and Outdoor Unit Selection(s)

Compare the corrected cooling and heating capacities to the load calculations. Is each capacity sufficient for the zone it serves?

For each indoor unit, the corrected capacity must be at least equal to the total of the cooling design load (plus ventilation load, if applicable) for the space(s) served by the indoor unit. For each indoor unit, the corrected capacity also must be at least equal to the total of the heating design load (plus ventilation load, if applicable) for the space(s) and / or thermal zones served by the indoor unit.

The outdoor unit selected should be large enough to offset the total cooling load for all spaces it serves (account for ventilation air cooling load if the ventilation air has not been pretreated to room neutral conditions). The outdoor unit should also be large enough to offset the total heating load for all spaces it serves.

If the corrected heating capacity ratio exceeds 100%, reselect the equipment, or change the system design by moving some of the load to another system.

System Sizing Check Formulas

1. Outdoor Unit Rated Capacity.
$Q_{odu(rated)}$ (From capacity tables).

2. Outdoor Unit Capacity at Ti, To Temperature.
$Q_{odu(Ti, To)}$ (From capacity tables).

3 Outdoor Unit Capacity Coefficient Factor.
$F_{(Ti, To)} = Q_{odu(Ti, To)} / Q_{odu(rated)}$

4. Piping Correction Factor (From Capacity Coefficient Factor Tables).
$F_{(length)}$ for each piping length

5. Individual Indoor Unit Combination Capacity.
$Q_{idu\ (combi)} = Q_{odu(rated)} \times Q_{idu(rated)} / Q_{idu(rated\text{-}total)}$

6. Individual Indoor Unit Actual Capacity.
$Q_{idu\ (actual)} = Q_{odu(combi)} \times F_{(Ti, To)} \times F_{(length,\ altitude)}$

Conclusions and Recommendations

- Understand the design safety factors.
- Reference load calculations for actual cooling and heating capacities (applies in 99% of applications – consider total load when latent load is greater than 30%).
- Verify that the sensible load of the zone is satisfied.
- Use caution when sizing to meet listed capacity specifications for the scheduled manufacturer's equipment.

If further system design assistance is needed, or you have a unique application you would like to discuss, contact your LG sales rep.

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ASHRAE Standards 62.1 and 62.2 (depending on if the building is residential or commercial), and local codes specify the minimum volume of airflow that must be provided to an occupied space. Outdoor air is required to minimize adverse health effects, and it provides acceptable indoor air quality for building occupants. Indoor units located within the zone typically require less airflow to condition the space. During the design phase, refer to the airflow capabilities listed in the specification tables for each product. Choose the best method for the application out of the five (5) ventilation options available.

Note:

Disclaimer

Although we believe that these building ventilation methods have been portrayed accurately, none of the methods have been tested, verified, or evaluated by LG Electronics, U.S.A., Inc., In all cases, the designer, installer, and contractor should understand if the suggested method is used, it is used at their own risk. LG Electronics U.S.A., Inc., takes no responsibility and offers no warranty, expressed or implied, of merchantability or fitness of purpose if this method fails to perform as stated or intended.

- *For a complete copy of ASHRAE Standard 62.1 and 62.2, refer to the American Standard of Heating and Air Conditioning Engineers (ASHRAE) website at www.ashrae.org.*

Method 1: Natural Ventilation (Non-Ducted, Unconditioned Outdoor Air)

Natural ventilation devices, such as operable windows or louvers may be used to ventilate the building when local code permits.

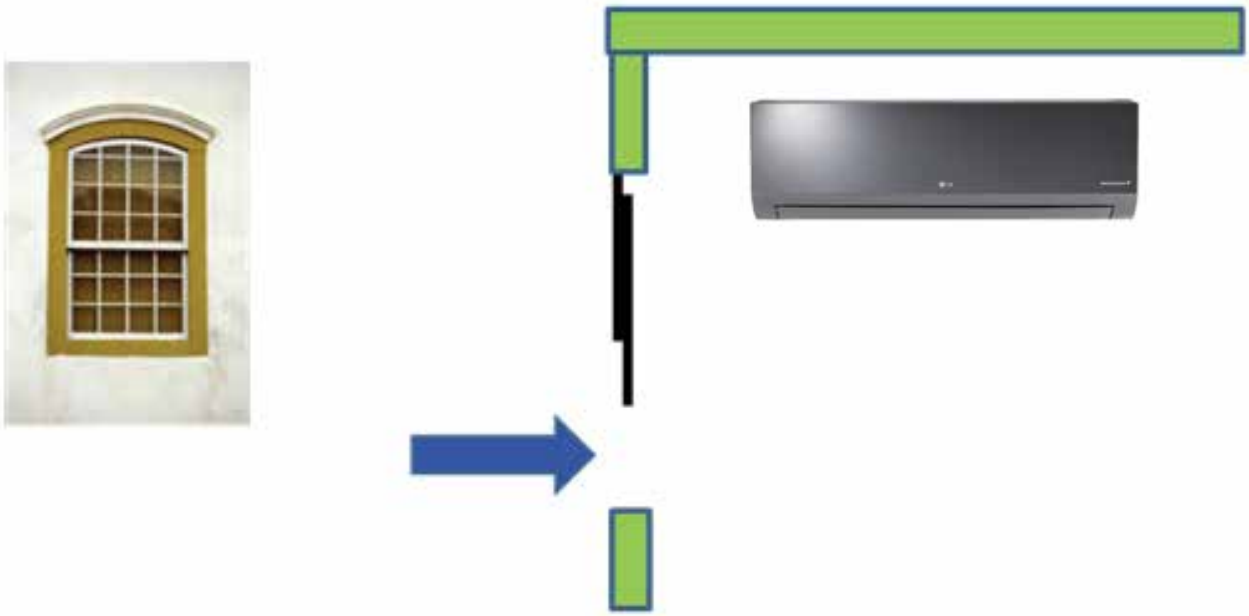
Advantages

- Occupants control the volume of the ventilation air manually.
- Useful for historic buildings that have no ceiling space available for outdoor air ductwork.
- May be used with the full lineup of Multi F indoor units.

Disadvantages

- In some locations, it may be difficult to control humidity levels when windows are open.
- Thermal comfort levels may be substandard when windows are open.
- Indoor units may have to be oversized to account for the added heating and cooling loads when windows are open.
- Provides outdoor air to perimeter spaces only. Additional mechanical ventilation system may be required to satisfy requirements for interior spaces.
- Outdoor air loads may be difficult to calculate since the quantity of outdoor air is not regulated.
- May affect indoor unit proper operation when open.

Figure 39: Natural Ventilation (Non-Ducted, Unconditioned Outdoor Air).



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Method 2: Unconditioned Outdoor Air (Non-Ducted, Fan Assisted Ventilation)

When approved by local codes, the fan assisted ventilation method uses exhaust fans to remove air from the building, and outdoor air is drawn into occupied spaces through a wall louver or gravity roof intake hood. Supply fans can also be used to push the outdoor air into the space and building positive pressure will vent the exhaust air through louvers or roof-mounted exhaust hoods. Outdoor air is neither cooled nor heated before entering the building.

Note:

This may result in loss of building pressurization control, increasing infiltration loads with adverse effects.

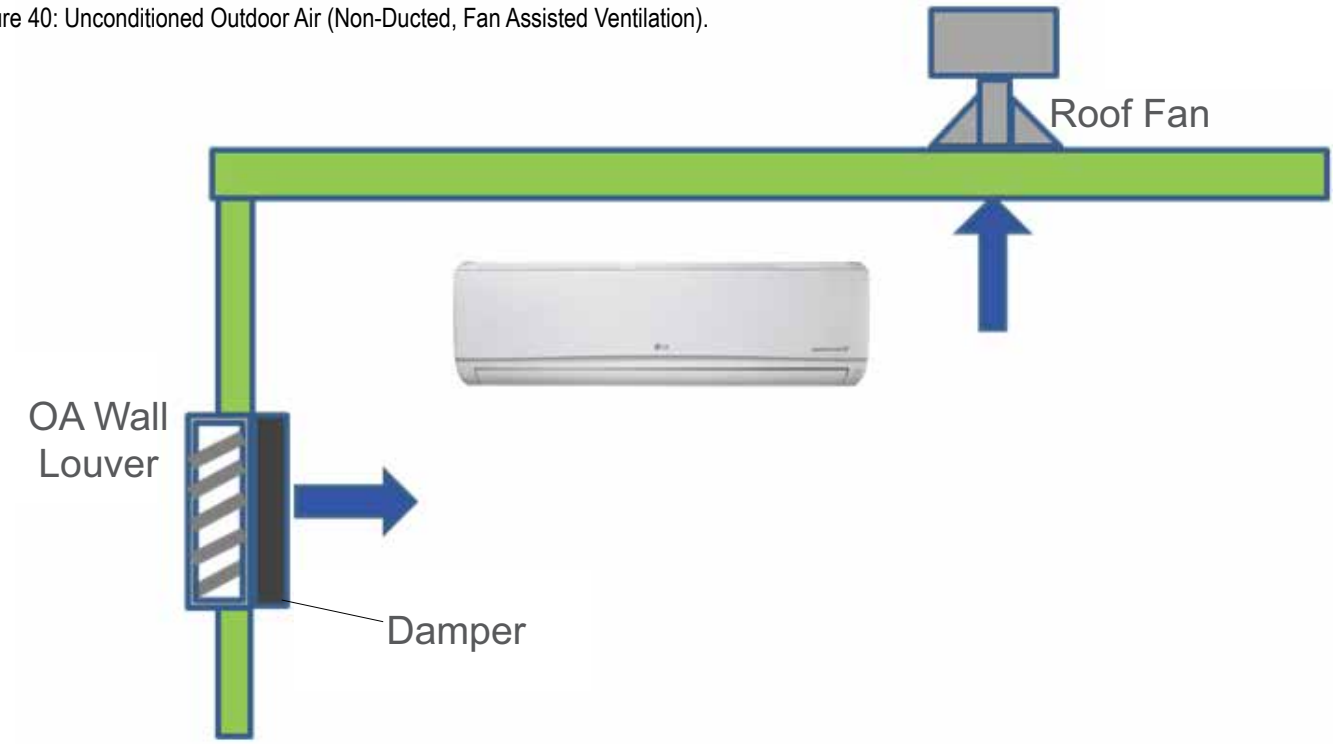
Advantages

- Outdoor air may be manually controlled by the occupant or automatic controls may be installed to open/close outdoor air dampers or to turn on/off ventilation fans.
- Useful for large open spaces like warehouses, garages, and workshops.
- Outdoor air volume is a known quantity. Air loads may be easier to calculate since fans will regulate the amount of outdoor air.
- May be used with the full lineup of Multi F indoor units.

Disadvantages

- In some locations of the country, it may be difficult to control humidity levels.
- Indoor units may have to be oversized to account for the added heating/cooling loads when louvers/hoods are open.
- Hot, cold, and/or humid areas may be present if the outdoor air is not evenly distributed to the different spaces.

Figure 40: Unconditioned Outdoor Air (Non-Ducted, Fan Assisted Ventilation).



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Method 3: Unconditioned Outdoor Air Ducted to Indoor Units

Untreated outdoor air is channeled through a duct system that is piped to the return air duct on Multi F ducted indoor units or to the frame of Multi F four-way cassettes.

Note:

Outside air may flow backward through the return air-filter grille when the indoor unit fan speed slows or stops in response to changes in the space load. This may result in captured particulate on the filter media being blown back into the conditioned space.

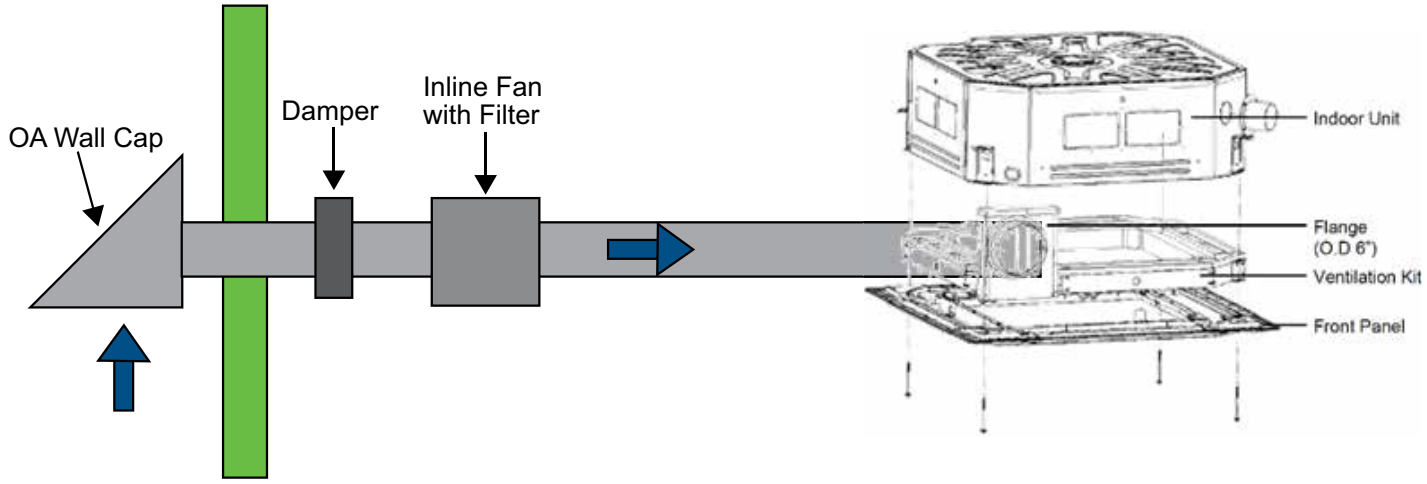
Advantages

- May require less ductwork if indoor units are placed near outdoor walls or a roof deck.
- Controls must be interlocked to shut off the outdoor air supply fan when the space is unoccupied.
- Third-party demand-control ventilation controls may be installed to regulate outdoor intake based on the CO_2 levels of the occupied space.

Disadvantages

- Fan(s) will be required to push outdoor air to the indoor unit to overcome the additional static pressure.
- Filter required to be added to the outdoor air duct.
- Ducted and four-way cassette models are the only indoor units that accept the connection of an outdoor air duct to the unit case.
- In most cases, in lieu of using the factory mounted return-air thermistor on indoor units, a remote wall temperature sensor or zone controller will be needed to provide an accurate reading of the conditioned area temperature.
- Unconditioned outdoor air may affect indoor unit performance, which may necessitate oversizing the indoor unit.

Figure 41: Unconditioned Outdoor Air Ducted to Indoor Units.



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Method 4: Coupled Dedicated Outdoor Air (CDOA)

A separate, dedicated outdoor air system delivers air directly to a Multi F indoor unit or to the return air duct system. After mixing with the return air stream, ventilation air passes through the indoor unit and into the conditioned space. The pretreatment system is capable of filtering, conditioning, and dehumidifying outdoor air to room neutral conditions.

Note:

Outside air may flow backward through the return air-filter grille when the indoor unit fan speed is reduced or stops when the space load is satisfied. This may result in captured particulate on the filter media being blown back into the conditioned space.

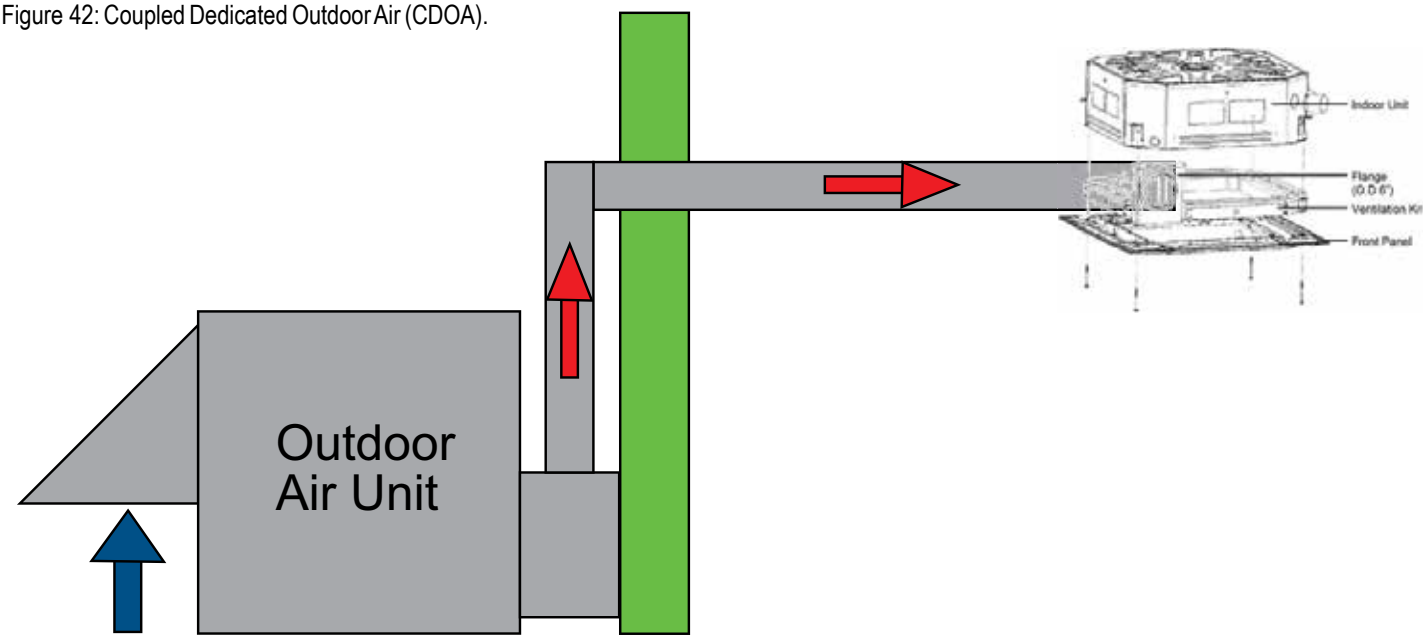
Advantages

- Indoor unit capacity may not need to be increased because of outdoor air.
- Fan and filter system is centralized to the main outdoor air unit.

Disadvantages

- Ducted and four-way cassette indoor units are the only models designed for direct connection of an outside air duct.
- Ceiling space is required for ductwork.
- Failure of outdoor air may impact indoor unit operation.
- In lieu of using the factory mounted return-air thermistor, a remote wall temperature sensor or zone controller may be required to provide an accurate conditioned space temperature reading.

Figure 42: Coupled Dedicated Outdoor Air (CDOA).



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Method 5: Decoupled Dedicated Outdoor Air System (DDOAS)

Provide a separate, dedicated outdoor-air system designed to filter, condition, and dehumidify ventilation air and deliver it directly to the conditioned space through a separate register or grille. This approach requires a separate independent ventilation duct system not associated with the Multi F system.

Note:

LG recommends using the DDOAS method in all installations.

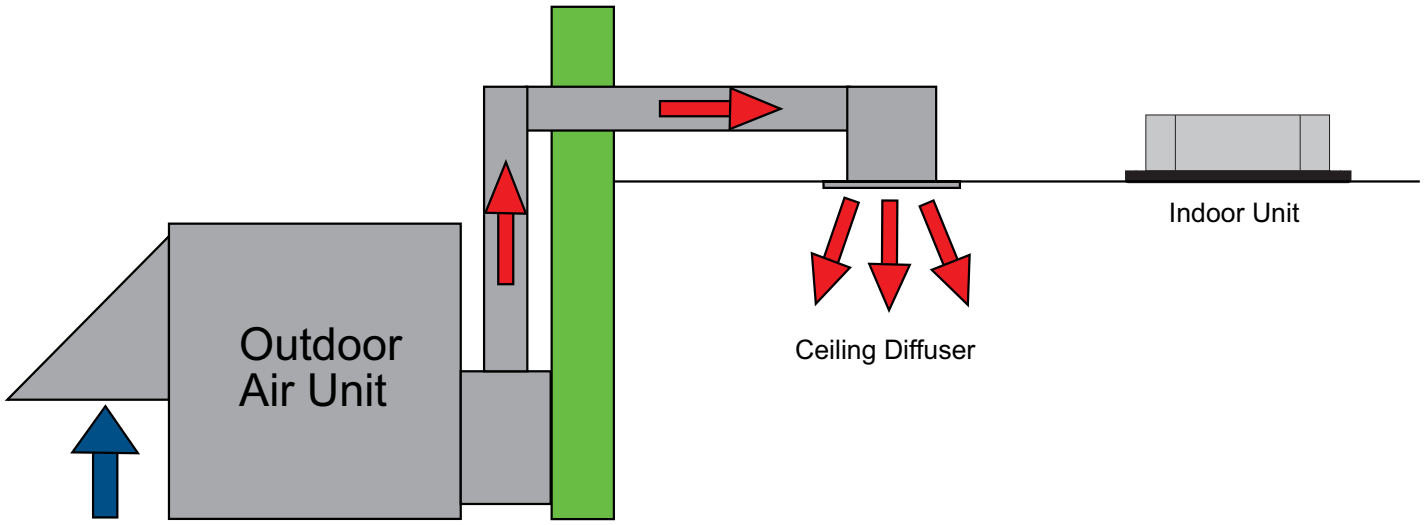
Advantages

- Does not add additional heating or cooling loads to indoor units.
- May be used with the full lineup of Multi F indoor units.
- Failure of outdoor unit does not impact operation of indoor unit, the resulting untreated air will be readily noticed by the occupants.
- The outdoor air unit may supply "neutral" air to the occupant space even when the Multi F indoor unit fan changes speed or cycles on and off. DDOAS controls do not have to be interlocked with the Multi V F system.
- In lieu of installing localized smaller outside air treatment equipment throughout the building, this method centralizes the ventilation air source making service and filter changes easier and less disruptive for the building occupants.
- Third-party demand control ventilation controls are more readily accommodated.
- Indoor unit operation and performance will not be affected by the condition of outdoor air.

Disadvantages

- Ceiling space is required to accommodate ductwork between the outdoor air unit and ceiling diffusers.

Figure 43: Decoupled Dedicated Outdoor Air System (DDOAS).



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PLACEMENT CONSIDERATIONS

Selecting the Best Location for the Indoor Units

Select a location for installing the indoor units that will meet the following conditions:

- Within allowable parameters for proper connection to the outdoor unit (or Branch Distribution unit, if a Multi F MAX system).
- No obstacles to air circulation around the unit; keep proper distances from ceilings, doorways, floor, walls, etc.
- So that condensation drainage can be conveniently routed away.
- Include enough space around the indoor unit so that it is accessible for maintenance and service purposes.
- Where electrical noise / electromagnetic waves will not affect indoor unit operation. Maintain proper distances between the indoor units and electric wires, audio and visual appliances, breaker / circuit panels, etc. If the frequency signal of the appliance is unstable, then install the indoor unit a minimum of ten (10) feet away, and run the power and transmission cables through a conduit.
- An area that is level and with enough strength to bear the weight of the indoor unit(s).
- An area where operation sound won't disturb occupants.
- An area that does not expose the indoor unit(s) to heat, water, steam, oil splattering or spray.

Selecting the Best Location for the Branch Distribution (BD) Unit

BD units are used only with Multi F MAX systems to distribute the refrigerant from the outdoor unit to up to eight indoor units. Select location indoors that will meet the following conditions:

- Within allowable parameters for proper connection to the Multi F MAX outdoor unit and indoor unit(s); refrigerant piping and wire lengths must not exceed amounts specified by LG Electronics, U.S.A., Inc.
- No obstacles to air circulation around the unit; keep proper distances from ceilings, doorways, floor, walls, etc.
- Condensate drain piping is not required.
- Ensure there is enough space in the installation area for service purposes; install the refrigerant piping and electrical wiring system in an easily accessible location.
- Do not install the BD unit in a location where it would be subjected to strong radiation heat from heat sources.
- Avoid an installation environment where the BD unit would be exposed to heat, water, steam, oil splattering or spray.
- Where high-frequency electrical noise / electromagnetic waves will not affect operation. Maintain proper distances between the BD unit(s) and electric wires, audio and visual appliances, breaker / circuit panels, etc.
- Level where there is enough strength to bear the weight of the BD unit.
- Install the unit in a location where any sound it generates will not disturb occupants in the surrounding rooms.

Selecting the Best Location for the Outdoor Unit

Select a location for installing the outdoor unit that will meet the following general conditions:

- A location strong enough to bear the weight of the outdoor unit.
- A location that allows for optimum air flow and is easily accessible for inspection, maintenance, and service.
- Where piping between the outdoor unit, indoor unit(s), and BD units (Multi F MAX systems only) are within allowable limits.
- Where it will not be subjected to direct thermal radiation from other heat sources, nor an area that would not expose the outdoor unit to heat or steam like discharge from boiler stacks, chimneys, steam relief ports, other air conditioning units, kitchen vents, plumbing vents, and other sources of extreme temperatures.
- Where operating sound from the unit will not disturb inhabitants of surrounding buildings.
- Where the unit will not be exposed to direct, strong winds.
- Where high-frequency electrical noise / electromagnetic waves will not affect operation.
- Include space for drainage to ensure condensate flows properly out of the unit when it is in heating mode. Avoid placing the outdoor unit in a low-lying area where water could accumulate.

Note:

When deciding on a location to place the outdoor unit, be sure to choose an area where run-off from defrost mode will not accumulate and freeze on sidewalks or driveways.

- To avoid the possibility of fire, do not install the unit in an area where combustible gas may generate, flow, stagnate, or leak.
- Don't install the unit in a location where oil, acidic solutions, sprays, or dust (sulfur, carbon, other corrosive materials) are present / often used.

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PLACEMENT CONSIDERATIONS

Rooftop Installations

If the outdoor unit is installed on a roof structure, be sure to level the unit. Ensure the roof structure and anchoring method are adequate for the unit location. Consult local codes regarding rooftop mounting.

Oceanside Installation Precautions

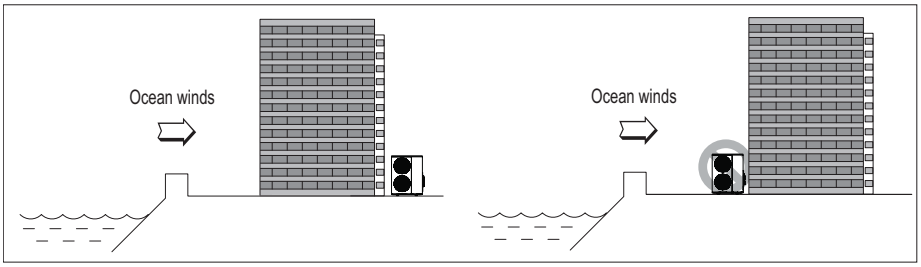
- Avoid installing the outdoor unit where it would be directly exposed to ocean winds.
- Install the outdoor unit on the side of the building opposite from direct ocean winds.
- Select a location with good drainage.
- Periodically clean dust or salt particles off of the heat exchanger with water.

Note:

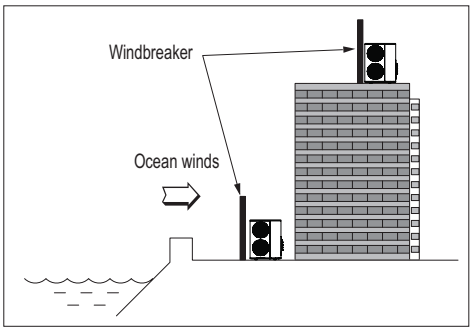
Additional anti-corrosion treatment may need to be applied to the outdoor unit at oceanside locations.

Note:

Ocean winds may cause corrosion, particularly on the condenser and evaporator fins, which, in turn could cause product malfunction or inefficient performance.



If the outdoor unit must be placed in a location where it would be subjected to direct ocean winds, install a concrete windbreaker strong enough to block any winds. Windbreaker height and width should be more than 150% of the outdoor unit, and be installed at least 27-1/2 inches away from the outdoor unit to allow for airflow.



Planning for Snow and Ice

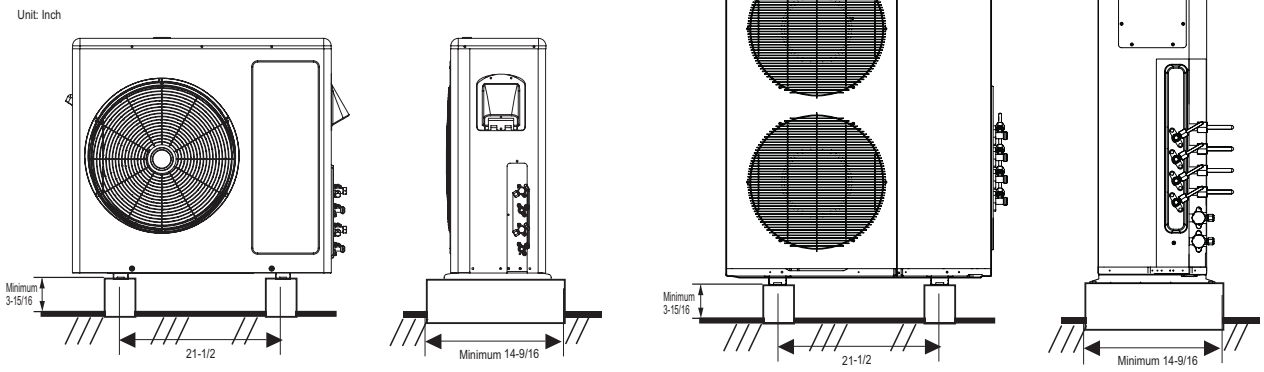
In climates that experience snow buildup, place the unit on a suitably high platform to ensure proper condenser airflow. The raised support platform must be high enough to allow the unit to remain above possible snow drifts. Mount the unit on a field-provided snow stand at a minimum height that is equal to the average annual snowfall, plus 20 inches. Design the mounting base to prevent snow accumulation on the platform in front or back of the unit case. If necessary, provide a field fabricated hood to keep snow and ice and/or drifting snow from accumulating on the coil surfaces. Use inlet and discharge duct or hoods to prevent snow or rain from accumulating on the fan inlet and outlet guards. Best practice prevents snow from accumulating on top of the unit. Consider tie-down requirements in case of high winds or where required by local codes.

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PLACEMENT CONSIDERATIONS

Outdoor Unit Platform Requirements

Figure 44: Outdoor Unit Foundation Requirements.

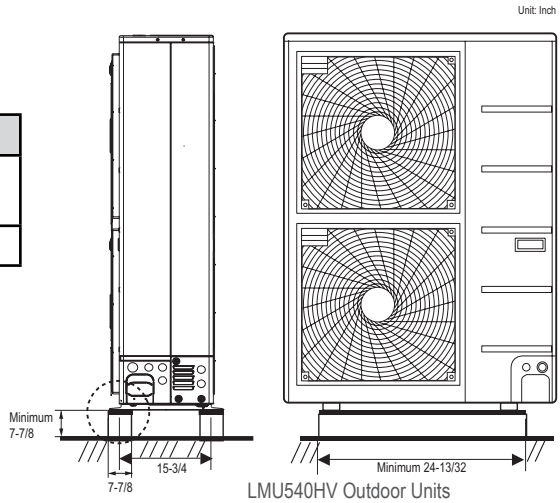


LMU187HV and LMU247HV Outdoor Units

LMU369HV Outdoor Units

Table 162: Outdoor Unit Foundation Specifications.

Outdoor Unit Type	Bolt Type	Concrete Height	Bolt Depth
LMU187HV, LMU247HV, LMU369HV	M10-J	Minimum 3-15/16 inches	Minimum 2-3/4 inches
LMU540HV	M10-J	Minimum 7-7/8 inches	Minimum 2-3/4 inches

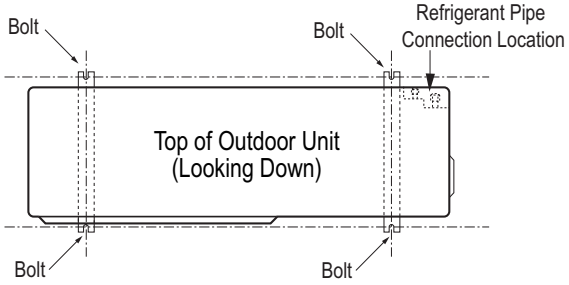


LMU540HV Outdoor Units

Bolting the Outdoor Unit to the Platform

1. Ensure that the concrete platform will not degrade easily, and has enough strength to bear the weight of the unit.
2. Include an H-beam support. Firmly attach the corners, otherwise the support will bend.
3. Use a hexagon nut.
4. Use anti-vibration material.
5. Include enough space around the concrete foundation for condensate drainage.
6. Seal all wiring and piping access holes to prevent bugs from entering the unit.

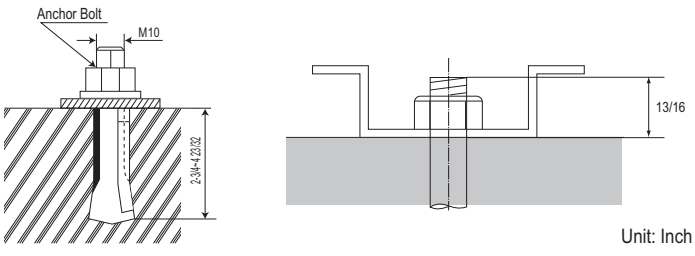
Figure 45: Bolting the Outdoor Unit to the Platform.



Concrete Platform Specifications

- Concrete foundations should be made of one part cement, two parts sand, and four parts gravel.
- The surface of the foundation should be finished with mortar with rounded edges, and weatherproofed.

Figure 46: Close up of Bolt Attachment.



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Tie-Downs and Lightening Protection

Tie-Downs

- The strength of the roof must be checked before installing the outdoor units.
- If the installation site is prone to high winds or earthquakes, when installing on the wall or roof, securely anchor the mounting base using a field-provided tie-down configuration approved by a local professional engineer.
- The overall tie-down configuration must be approved by a local professional engineer. Always refer to local code when using a wind restraint system.

Lightening Protection

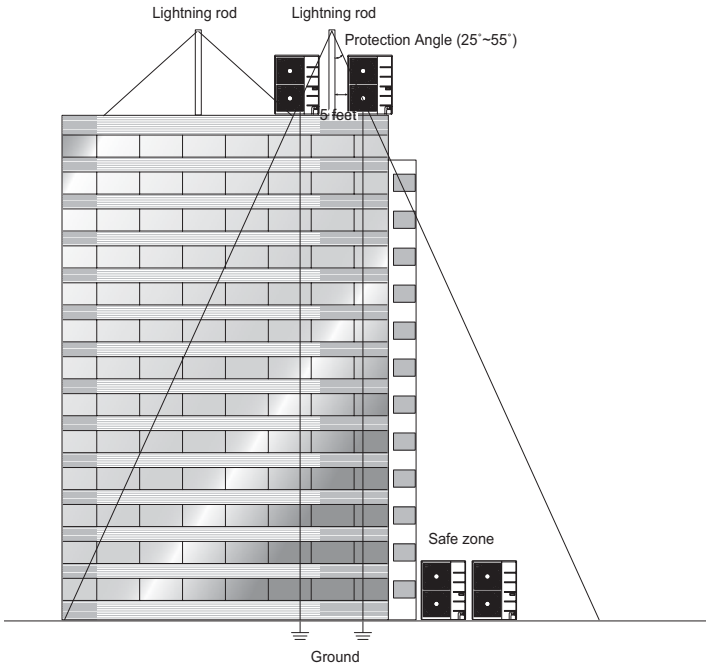
- To protect the outdoor unit from lightning, it should be placed within the specified lightning safety zone.

Table 163: Safety Zone Specifications.

Building Height (feet)	66	98	148	197
Protection Angle (˚)	55	45	35	25

- Power cable and communication cable should be installed five (5) feet away from lightning rod.
- A high-resistance ground system should be included to protect against induced lightning or indirect strike.

Figure 47: Lightening Protection Diagram.



Note:

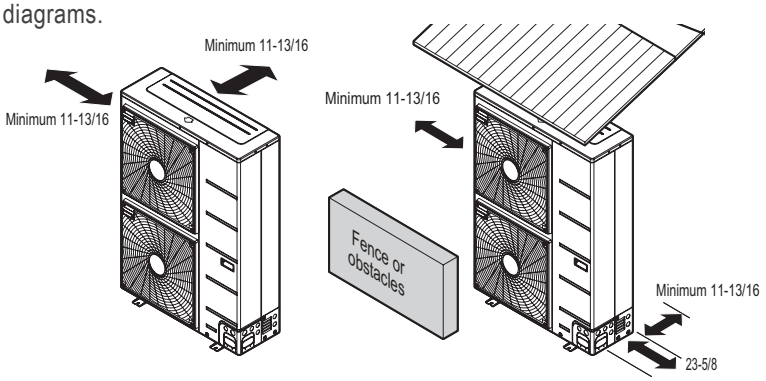
If the building does not include lightning protection, the outdoor unit may be damaged from a lightening strike. Inform the customer of this possibility in advance.

Outdoor Unit Service Access and Allowable Clearances

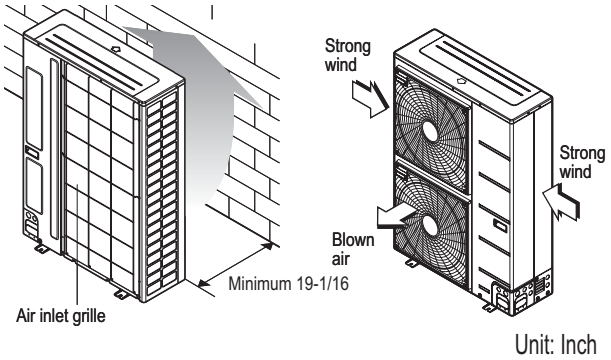
Appropriate airflow through the outdoor unit coil is critical for proper unit operation.

- Include enough space for airflow and for service access. If installing multiple outdoor units, avoid placing the units where the discharge of one unit will blow into the inlet side of an adjacent unit.
- No obstacles to air circulation around the unit; keep proper distances from ceilings, fences, floor, walls, etc. (Install a fence to prevent pests from damaging the unit or unauthorized individuals from accessing it.)
- If an awning is built over the unit to prevent direct sunlight or rain exposure, make sure that the discharge air of the outdoor unit isn't restricted.

When installing the outdoor unit, consider service, inlet, and outlet, and minimum allowable space requirements as illustrated in the following diagrams.



Ensure that the space at the back of the outdoor unit is a minimum of 11-13/16 inches, and include a minimum of 23-5/8 inches at the right side of the unit for service.



Unit: Inch

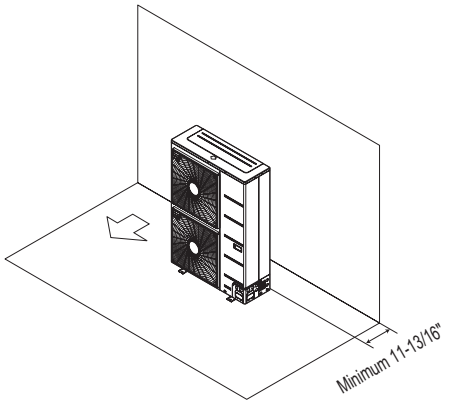
If the outdoor unit discharge side faces a wall, include a minimum of 19-11/16 inches between the outdoor unit and the wall. Install the outdoor unit so that the discharge port is set at a right angle to the wind direction.

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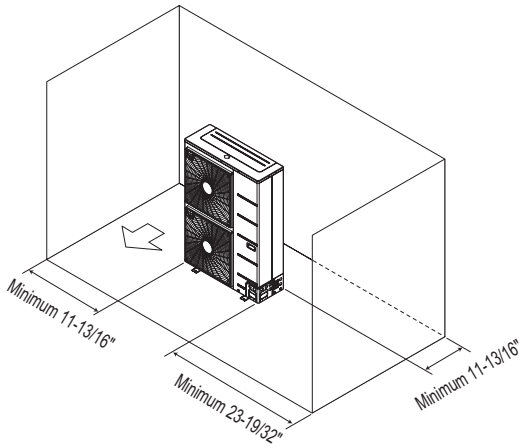
PLACEMENT CONSIDERATIONS

Clearance Requirements when Different Obstacles are Present (Unit: Inch).

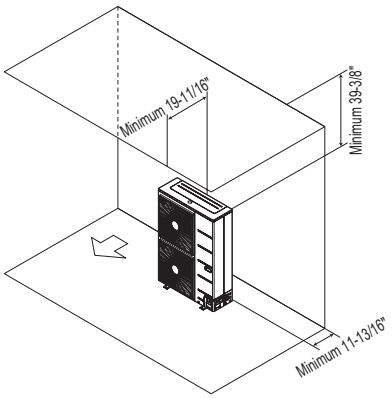
Obstacle on the suction side only.



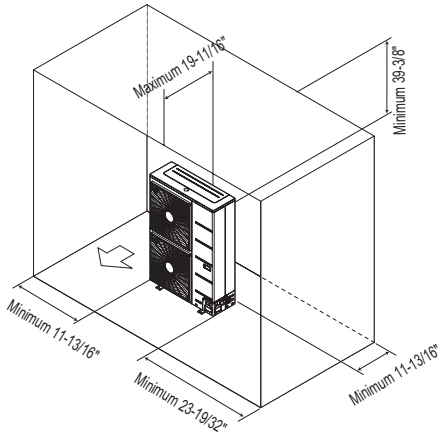
Obstacles on the suction side and on both left and right sides.



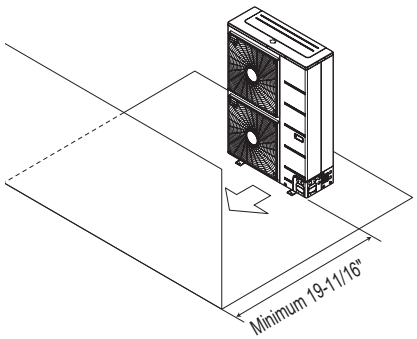
Obstacles above and on the air intake side.



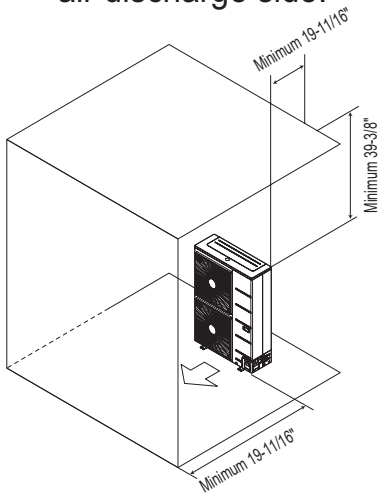
Obstacles above, on the air intake side, and on both left and right sides



Obstacle just on the air discharge side.



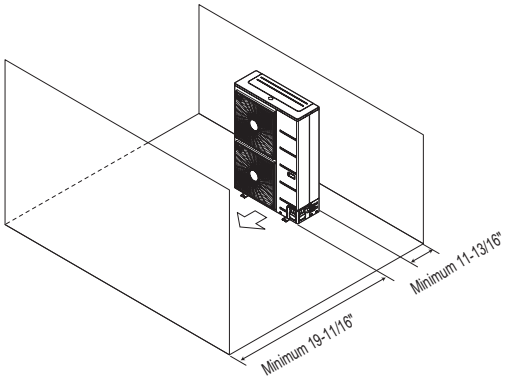
Obstacles above and on the air discharge side.



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Clearance Requirements when Different Obstacles are Present, continued. (Unit: Inch)

Where there are obstacles on both suction and discharge sides (discharge side obstacle is higher than the outdoor unit).



Where there are obstacles above, and on both suction and discharge sides (discharge side obstacle is higher than the outdoor unit).

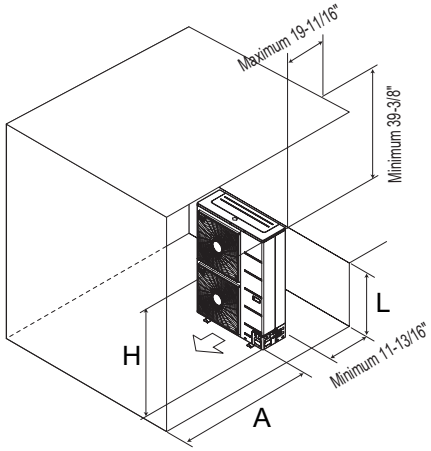
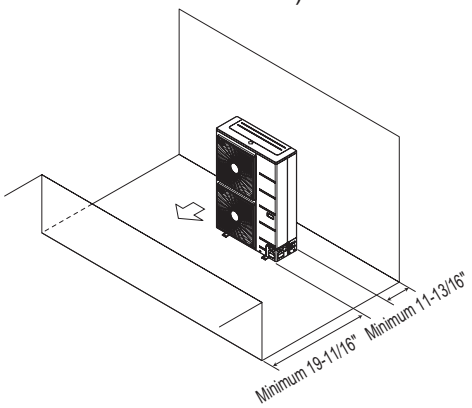


Table 164: Ratio among H, A, and L.

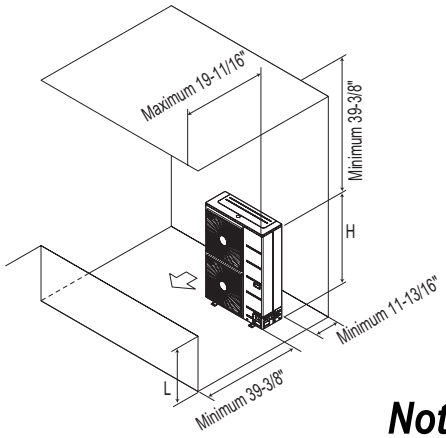
	L	A
L ≤ H	0 < L ≤ 1/2 H	29-1/32 inches
	1/2 H < L	39-3/8 inches
H < L	Set Stand as: L ≤ H	

If a stand is necessary, it should be contained (not open frame) to prevent the discharge air from short cycling.

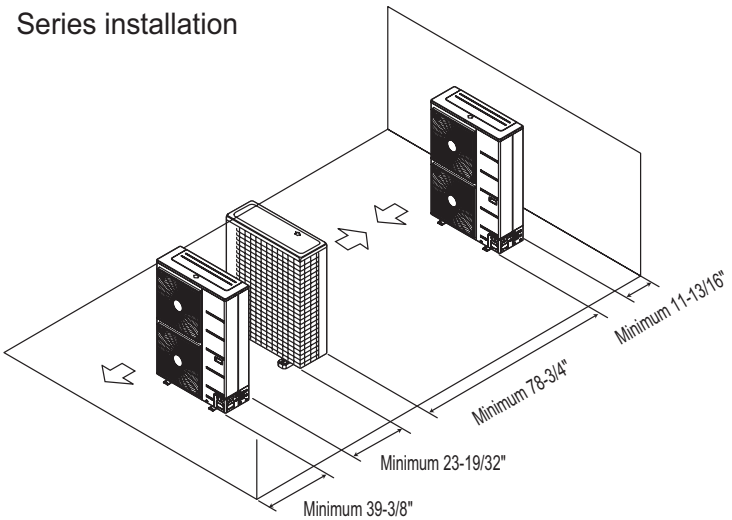
Where there are obstacles on both suction and discharge sides (discharge side obstacle is lower than the outdoor unit).



Where there are obstacles above, and on both suction and discharge sides (discharge side obstacle is lower than the outdoor unit).



Series installation



Note:

"L" should be lower than "H". If a stand is necessary, it should be contained (not open frame) to prevent the discharge air from short cycling.

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REFRIGERANT PIPING DESIGN & LAYOUT BEST PRACTICES

“Design Guideline Summary” on page 198
“Creating a Balanced / Quality Piping System” on page 200
“Manual Layout Procedure” on page 200
“LG Engineered Multi F MAX Y-Branch Kits” on page 201
“Refrigerant Charge” on page 202
“Selecting Field-Supplied Copper Tubing” on page 204
“Refrigerant Piping System Layout” on page 206
“Piping Insulation” on page 214
“Condensate Drain Piping” on page 215
“Cut Sheet” on page 217

REFRIGERANT PIPING DESIGN

MULTI F
MULTI F MAX

Design Guideline Summary

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

Device Connection Limitations

- The minimum number of connected and operating indoor units to Multi F / Multi F MAX systems is two, taking into consideration of the minimum combination ratio.
- The maximum number of indoor units for each Multi F / Multi F MAX heat pump systems is:

LMU187HV = 2 LMU247HV = 3 LMU369HV = 4 LMU540HV = 8

One of the most critical elements of multi-zone systems is the refrigerant piping. The following pages list pipe length limits that must be followed in the design of Multi F and Multi F MAX refrigerant pipe systems:

Using Refrigerant Components

Field-supplied elbows are allowed as long as they are designed for use with R410A refrigerant. The designer, however, should be cautious with the quantity and size of fittings used, and must account for the additional pressure losses in equivalent pipe length calculation for each branch. The equivalent pipe length of each elbow must be added to each pipe segment.

Table 165: Equivalent Piping Length for Elbows, Y-branches, and Branch Distribution Units.

Component	Size (Inches)				
	1/4	3/8	1/2	5/8	3/4
Elbow (ft.)	0.5	0.6	0.7	0.8	1.2
Y-Branch Kit (ft., Multi F MAX systems only)[1]	1.6				
Branch Distribution Unit (ft., Multi F MAX systems only)	8.2				

[1]Kit contains two Y-branches: one for liquid and one for vapor.

Multi F System

Example: LMU369HV outdoor unit with four (4) indoor units connected.
ODU: Outdoor Unit.
IDU: Indoor Unit.
A, B, C, D: Pipes from Outdoor Unit to Indoor Unit.

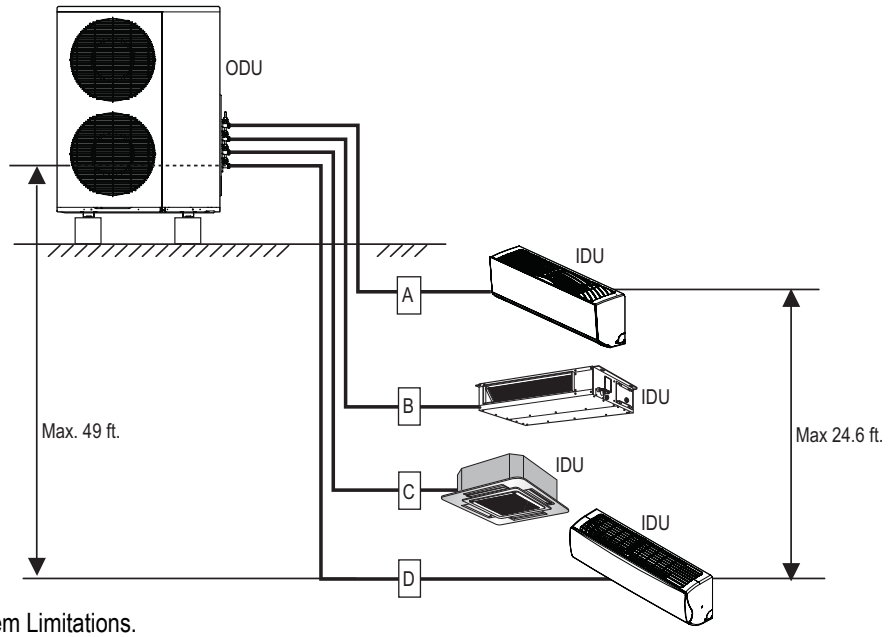


Table 166: Multi F Outdoor Unit Refrigerant Piping System Limitations.

Outdoor Unit	Minimum Length for Each Pipe (ft.)	Maximum Piping Length to Each Indoor Unit (ft.)				Maximum Total Piping Length for Each System (ft.)
		A	B	C	D	
LMU187HV	10	82	82	-	-	164
LMU247HV	10	82	82	82	-	246
LMU369HV	10	82	82	82	82	246

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REFRIGERANT PIPING DESIGN

Design Guideline Summary

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

Multi F MAX System with One Branch Distribution Unit

Example: LMU540HV outdoor unit with four (4) indoor units, and one (1) branch distribution unit connected.

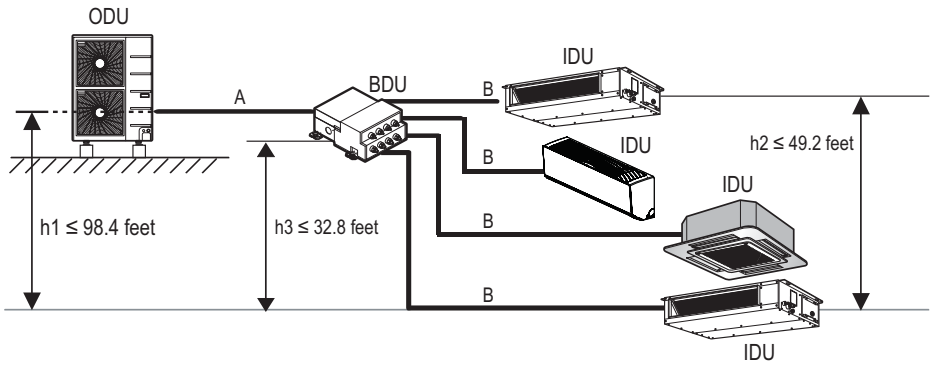
ODU: Outdoor Unit.

IDU: Indoor Unit.

BDU: Branch Distribution Unit.

A: Main Pipe.

B: Branch Pipe (Branch Distribution Unit to Indoor Unit[s]).



Multi F MAX System with Two Branch Distribution Units

Example: LMU540HV outdoor unit with seven (7) indoor units, and two (2) branch distribution units connected.

ODU: Outdoor Unit.

IDU: Indoor Unit.

BD: Branch Distribution Unit(s).

ΣA: Main Pipe.

ΣB: Branch Pipe (Branch Distribution Unit[s] to Indoor Unit[s]).

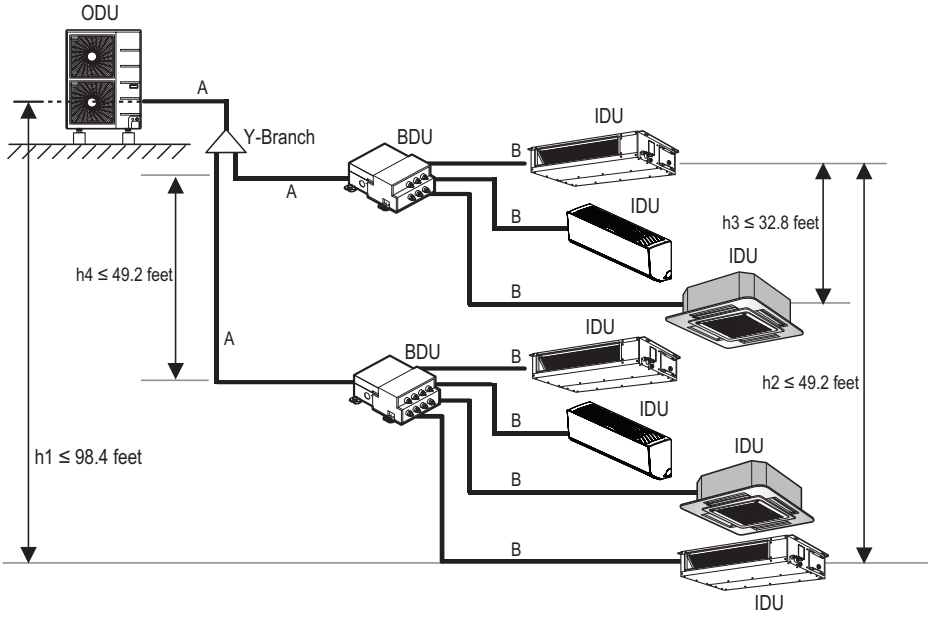


Table 167: Multi F MAX Outdoor Unit Refrigerant Piping System Limitations.

Pipe Length (ELF = Equivalent Length of pipe in Feet)	Total piping length (ΣA + ΣB)		≤475.7 feet
	Main pipe (Outdoor Unit to Branch Distribution Units: ΣA)	Minimum	10 feet
		Maximum	≤180.4 feet
	Total branch piping length (ΣB)		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: B)	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)		≤42.9 feet
	Between branch distribution unit and farthest indoor unit(s) (h3)		≤32.8 feet
	Between branch distribution units (h4)		≤42.9 feet

Table 168: Multi F MAX Piping Sizes.

Piping	Main Pipe A (inch)	Branch Pipe B
Liquid	Ø3/8	Depends on the size of the indoor unit piping
Gas	Ø3/4	

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REFRIGERANT PIPING DESIGN

Creating a Balanced System / Manual Layout Procedure

Creating a Balanced / Quality Piping System

Unlike designing duct-work or chilled and hot water pipe systems where balancing dampers, ball valves, orifices, circuit setters, or other flow control devices can be installed to modify or balance the flow of cooling medium, these cannot be used in a Multi F system. Therefore, variable refrigerant flow systems have to be designed to be "self balanced." Balanced liquid refrigerant distribution is solely dependent on the designer using the correct pipe size for each segment. Pipe sizing considerations include pipe length, pipe segment pressure drop relative to other pipe segments in the system, type and quantity of elbows, bends present, fitting installation orientation, and end use device elevation differences.

Note:

The designer should avoid creating excessive pressure drop. When liquid refrigerant is subjected to excessive pressure drop, liquid refrigerant will change state and "flash" to vapor. Vapor present in a stream of liquid refrigerant before reaching the indoor unit coil (or branch distribution unit for Multi F MAX systems) results in a loss of system control and causes damage to the components. The pipe system must be designed in a manner that avoids the creation of unwanted vapor.

Refrigerant Piping System Verification

To ensure that the refrigerant piping design is suitable for the system, a LATS refrigerant piping design software report must be provided with every Multi F order. Following the installation, if any changes or variations to the design were necessary, an "as-built" LATS piping design software report must be provided to LG prior to system commissioning. User should always check the LATS report actual pipe layout versus pipe limits.

Note:

Any field changes, such as re-routing, shortening or lengthening a pipe segment, adding or eliminating elbows and/or fittings, re-sizing, adding, or eliminating indoor units, changing the mounting height or moving the location of a device or fitting during installation should be done with caution and ALWAYS VERIFIED in LATS MULTI SOFTWARE before supplies are purchased or installed. Doing so ensures profitable installation, eliminates rework, and ensures easier system commissioning.

Manual Layout Procedure

1. Choose the location of the indoor units on the building drawing.
2. Choose the location of all Y-branch and branch distribution units (if a Multi F MAX system) and note them on the building drawing. Verify that all fittings are positioned per the guideline limitations set forth in "Y-branch Kits" on page 201.
3. Plan the route for interconnecting piping. Draw a one-line depiction of the pipe route chosen on the building drawing.
4. Calculate the actual length of each pipe segment and note it on the building drawing.
5. Using the data obtained while selecting the system components on page 180 to 185, list the corrected cooling capacity next to each indoor unit on the drawing.
6. Starting at the indoor unit located farthest from the outdoor unit, sum the corrected cooling capacity of all indoor units served by the pipe segment for each branch and runout pipe (indoor units and branch distribution units [Multi F MAX systems only]). Record these values next to each segment.
7. Verify the size of the liquid and vapor lines.
8. If a Multi F MAX system, refer to Cut-Sheets "Y-branch Kits" on page 217 and branch distribution units on page 172 to verify the part number of each Y-branch and branch distribution unit based on the connected downstream nominal capacity served.
9. Calculate the equivalent pipe length in feet of each pipe segment. If a Multi F MAX system, Y-branch equivalent lengths should be totaled with the upstream segment only. Use equivalent pipe length data when it is provided with field-purchased fittings. If not available, use the data provided on page 165 to estimate the equivalent length of field-provided pipe and fittings for each segment. Equivalent lengths should be totaled with the upstream segment only.
10. Verify if the equivalent pipe length complies with the limitations in the "Multi F and Multi F MAX Refrigerant Piping System Limitations" tables on pages 166 and 167. If the limitations are exceeded, either reroute the pipe or change the location of the indoor unit, Y-branch fittings and branch distribution units (if Multi F MAX systems), so the design conforms with all limitations.
11. If adjusted as per Step 10 above, verify again if the length of the design complies with the limitations set in "Multi F and Multi F MAX Refrigerant Piping System Limitations" tables on pages 166 and 167.
12. Verify that the manually sized pipe design is acceptable using LATS Multi. When entering the length of pipe segments in LATS Multi software, enter the equivalent pipe length. Account for the additional pressure drop created by elbows, valves, and other fittings present in each segment by adding their respective equivalent pipe length to the actual pipe length.

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REFRIGERANT PIPING DESIGN

LG Engineered Multi F MAX Y-Branch Kit

Multi F MAX Y-Branch Kit PMBL5620

The LG supplied Y-Branch Kit PMBL5620 MUST be used when two branch distribution units are connected on one Multi F MAX system. Field-supplied fittings are not permitted. Each Y-Branch kit comes with two (2) Y-branches (one for the liquid line and one for the vapor line) and insulation covers.

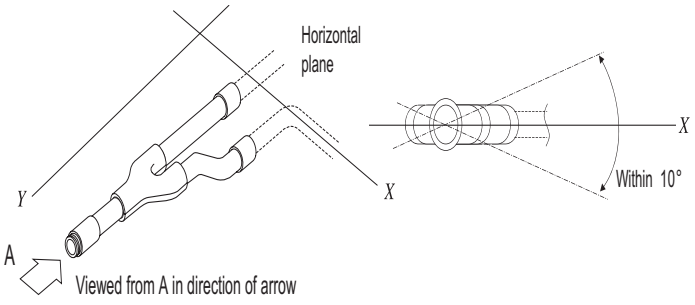
Y-branches may be installed in horizontal or vertical configurations. When installed vertically, position the Y-branch so the straight-through leg is ±3° of plumb (Figure 50). When installed horizontally, position the Y-branch so the take-off leg is level and shares the same horizontal plane as the straight-through leg ±10° rotation as shown in Figure 50.

Y-branches must be properly installed following instructions in the applicable LG manual. Y-branches should always be installed with the single port facing the outdoor unit and the two-port end facing the branch distribution units (see Figure 48). Do not install Y-branches backwards as refrigerant flow cannot make U-turns. The Y-branch kit must be located at least three (3) feet from the outdoor unit. Provide a minimum of 20 inches between a Y-branch and the branch distribution unit.

It is recommended that when a Y-branch is located in a pipe chase or other concealed space, access doors should be provided for inspection access.

The equivalent pipe length of each Y-branch (1.6') must be added to the main pipe segment entered into LATS piping design software.

Figure 50: Horizontal Configuration End View.



Y-Branch Kit Insulation

Each Y-branch kit comes with clam-shell type peel-and-stick insulation jackets molded to fit the Y-branch fittings as shown in Figure 51—one for the liquid line, one for the vapor line.

- Check the fit of the Y-branch clam-shell insulation jacket after the Y-branch is installed.
- Mark the pipe where the insulation jacket ends.
- Remove the jacket.
- Install field-provided insulation on the pipes first.
- Peel the adhesive glue protector slip and install the clam-shell jacket over the fitting

Figure 48: Y-Branch Connections.

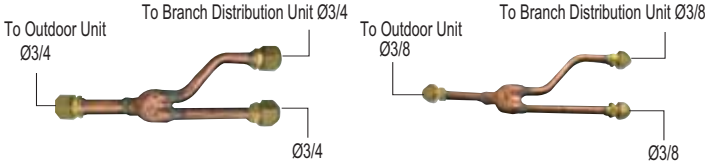
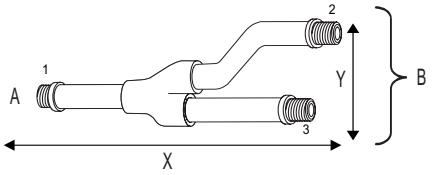


Table 169: Y-Branch Connection Diameters.

Model	Y-Branch Type	Port Identifier (inch)			Dimensions	
		1	2	3	X	Y
PMBL5620	Liquid	3/8	3/8	3/8	13.80	3.24
	Vapor	3/4	3/4	3/4	12.48	3.02

Figure 49: Y-Branch Dimensions Diagram.



A = To Outdoor Unit
B = To Branch Distribution Unit

Note:

- *Design pressure is 551 psig.*
- *All dimensions in inches. Tolerance ±1/4 inch.*
- *Images are not to scale.*

Figure 51: Y-branch Installation Alignment Specification.

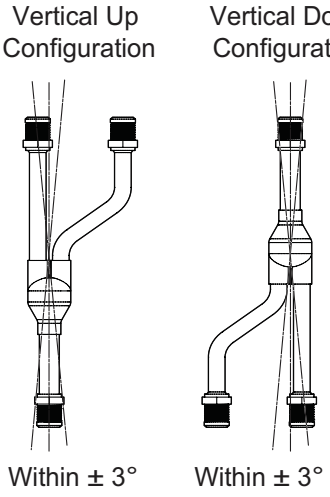
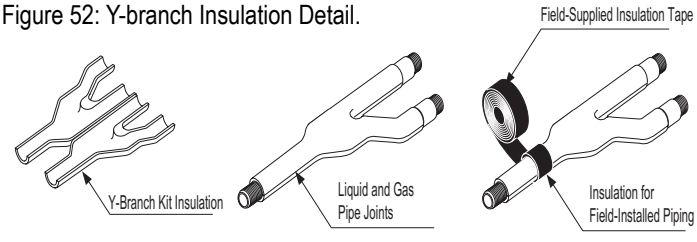


Figure 52: Y-branch Insulation Detail.



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REFRIGERANT PIPING DESIGN

Refrigerant Charge

LG Multi F and Multi F MAX outdoor units ship from the factory with a charge of R410A refrigerant. A trim charge may need to be added to take into account additional piping length.

To determine the additional refrigerant that is needed, apply the formulas below, and record the results. If the total additional refrigerant charge value is a negative number, then an additional trim charge does not need to be added to the system.

Table 170: Outdoor Unit Factory Charge.

Outdoor Unit	Factory Charge lbs. of R410A
LMU187HV	4.19
LMU247HV	4.63
LMU369HV	7.72
LMU540HV	9.7

Multi F Systems

Additional charge (lbs.) = (Installed Length of Branch [A] – Chargeless Pipe Length [A]) x a
+ (Installed Length of Branch [B] – Chargeless Pipe Length [A]) x a
+ (Installed Length of Branch [C] – Chargeless Pipe Length [A]) x a
+ (Installed Length of Branch [D] – Chargeless Pipe Length [A]) x a
- CF (Correction Factor) x 5.29

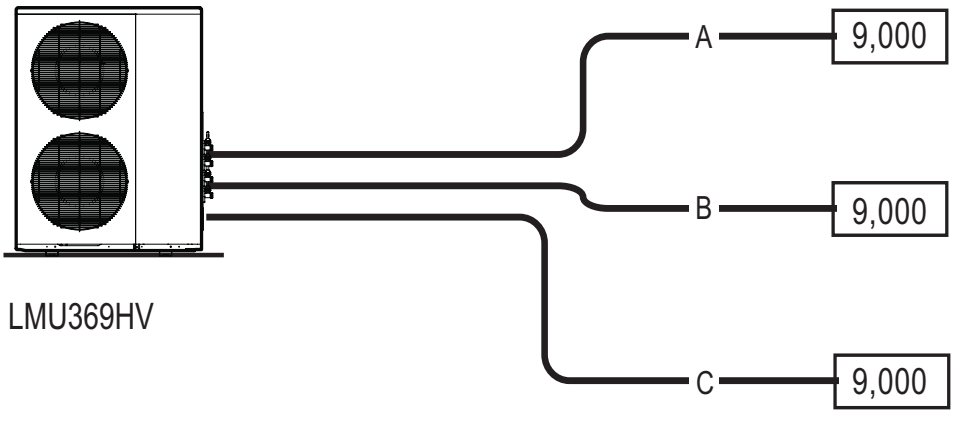
Note:

- *Number of installed length of branches depends on the specifications of the outdoor unit model.*
- *CF = Maximum number of connectable indoor units – Total number of connected indoor units*

Table 171: Multi F Outdoor Unit Piping Specifications.

Outdoor Unit Model	Max. Piping Length for One Branch (ft.)	Max. Total System Piping Length (ft.)	Chargeless Pipe Length per Branch (A) (ft.)	Additional Charge Needed (a) (oz./ft.)
LMU187HV	82	164	24.6	0.22
LMU247HV	82	246	24.6	0.22
LMU369HV	82	246	24.6	0.22

Figure 53: Multi F Additional Refrigerant Charge Example.



Each branch pipe
A = 82 ft.
B = 16 ft.
C = 49 ft.

Additional Charge
= (82 - 25) x 0.22
+ (16 - 25) x 0.22
+ (49 - 25) x 0.22
– (4 - 3) x 5.29
= 10.55 oz.

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REFRIGERANT PIPING DESIGN

Refrigerant Charge

Multi F MAX Systems

Additional charge (lbs.) = (Total Main Piping Length [A] - Chargeless Pipe Length of Main Pipe [A]) x a
+ (Installed Length of Branch [B1] – Chargeless Pipe Length [B]) x b
+ (Installed Length of Branch [B2] – Chargeless Pipe Length [B]) x b
+ (Installed Length of Branch [B3] – Chargeless Pipe Length [B]) x b ...
- CF (Correction Factor) x 3.53

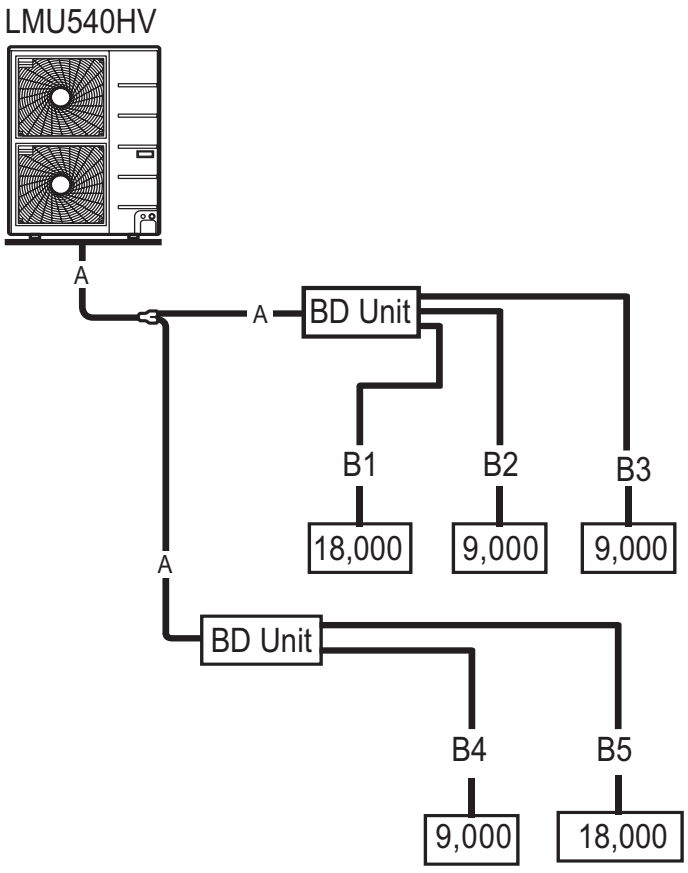
Note:

- *Number of installed length of branches depends on system specifications.*
- *CF = Maximum number of connectable indoor units – Total number of connected indoor units*

Table 172: Multi F MAX Outdoor Unit Piping Specifications.

Outdoor Unit Model	Main Piping Length		Branch Piping Length	
	Chargeless Pipe Length of Main Pipe (A) (ft.)	Additional Charge Needed (a) (oz./ft.)	Chargeless Pipe Length per Branch Pipe (B) (ft.)	Additional Charge Needed (b) (oz./ft.)
LMU540HV	16.4	0.54	16.4	0.22

Figure 54: Multi F MAX Additional Refrigerant Charge Example.



- Total main pipe (A) = 60 ft.
- Each branch pipe
  B1 = 49 ft.
  B2 = 17 ft.
  B3 = 17 ft.
  B4 = 10 ft.
  B5 = 23 ft.

Additional Charge
= (60 - 16.4) x 0.54
+ (49 - 16.4) x 0.22
+ (17 - 16.4) x 0.22
+ (17 - 16.4) x 0.22
+ (10 - 16.4) x 0.22
+ (23 - 16.4) x 0.22
– (8 - 5) x 3.53
= 20.43 oz.

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REFRIGERANT PIPING DESIGN

Selecting Field-Supplied Copper Tubing

Copper is the only approved refrigerant pipe material for use with LG Multi F air conditioning products, and LG recommends hard-drawn rigid type "K" or "L", or annealed-tempered, copper pipe.

- Drawn temper (rigid) ACR copper tubing is available in sizes 3/8 through 2-1/8 inches (ASTM B 280, clean, dry, and capped).
- Annealed temper (soft) ACR copper tubing is available in sizes 1/4 through 2-1/8 inches (ASTM B 280, clean, dry, and capped).

Tube wall thickness should meet local code requirements and be approved for an operating pressure of 551 psi. If local code does not specify wall thickness, LG suggests using tube thickness per the table below. When bending tubing, use the largest radii possible to reduce the equivalent length of installed pipe; also, bending radii greater than ten (10) pipe diameters can minimize pressure drop. Be sure no traps or sags are present when rolling out soft copper tubing coils.

Table 173: ACR Copper Tubing Material.

Type	Seamless Phosphorous Deoxidized
Class	UNS C12200 DHP
Straight Lengths	H58 Temper
Coils	O60 Temper

Table 174: Piping Tube Thicknesses.

OD (in)	1/4	3/8	1/2	5/8	3/4
Material	Rigid Type "K" or "L" - Soft ACR Acceptable			Rigid Type "K" or "L" Only	
Min. Bend Radius (in)	.563	.9375	1.5	2.25	3.0
Min. Wall Thickness (in)	.031	.031	.031	.039	.039

Copper Expansion and Contraction

Under normal operating conditions, the vapor pipe temperature of a Multi F system can vary as much as 280°F. With this large variance in pipe temperature, the designer must consider pipe expansion and contraction to avoid pipe and fitting fatigue failures.

Refrigerant pipe, along with the insulation jacket, form a cohesive unit that expands and contracts together. During system operation, thermal heat transfer occurs between the pipe and the surrounding insulation.

If the pipe is mounted in free air space, no natural restriction to movement is present if mounting clamps are properly spaced and installed. When the refrigerant pipe is mounted underground in a utility duct stacked among other pipes, natural restriction to linear movement is present. In extreme cases, the restrictive force of surface friction between insulating jackets could become so great that natural expansion ceases and the pipe is "fixed" in place. In this situation, opposing force caused by change in refrigerant fluid/vapor temperature can lead to pipe/fitting stress failure.

The refrigerant pipe support system must be engineered to allow free expansion to occur. When a segment of pipe is mounted between two fixed points, provisions must be provided to allow pipe expansion to naturally occur. The most common method is the inclusion of expansion Loop or U-bends. See Figure 55 on page 205. Each segment of pipe has a natural fixed point where no movement occurs. This fixed point is located at the center point of the segment assuming the entire pipe is insulated in a similar fashion. The natural fixed point of the pipe segment is typically where the expansion Loop or U-bend should be. Linear pipe expansion can be calculated using the following formula:

$$LE = C \times L \times (T_r - T_a) \times 12$$

LE	=	Anticipated linear tubing expansion (in.)
C	=	Constant (For copper = 9.2 x 10^{-6} in./in.°F)
L	=	Length of pipe (ft.)
T_R	=	Refrigerant pipe temperature (°F)
T_a	=	Ambient air temperature (°F)
12	=	Inches to feet conversion (12 in./ft.)

1. From Table 175, find the row corresponding with the actual length of the straight pipe segment.
2. Estimate the minimum and maximum temperature of the pipe. In the column showing the minimum pipe temperature, look up the anticipated expansion distance. Do the same for the maximum pipe temperature.
3. Calculate the difference in the two expansion distance values. The result will be the anticipated change in pipe length.

Example:

A Multi F MAX system is installed and the design shows that there is a 100 foot straight segment of tubing between a Y-branch and a branch distribution unit. In heating, this pipe transports hot gas vapor to the indoor units at 120°F. In cooling, the same tube is a suction line returning refrigerant vapor to the outdoor unit at 40°F. Look up the copper tubing expansion at each temperature and calculate the difference.

Vapor Line

Transporting Hot Vapor: 100 ft. pipe at 120°F = 1.40 in.
Transporting Suction Vapor: 100 ft. pipe at 40°F = 0.40 in.
Anticipated Change in Length: 1.40 in. – 0.40 in. = 1.00 in.

Liquid Line

The liquid temperature remains the same temperature; only the direction of flow will reverse. Therefore, no significant change in length of the liquid line is anticipated.

When creating an expansion joint, the joint height should be a minimum of two times the joint width. Although different types of expansion arrangements are available, the data for correctly sizing an Expansion Loop is provided in Table 176. Use soft copper with long radius bends on longer runs or long radius elbows for shorter pipe segments. Using the anticipated linear expansion (LE) distance calculated, look up the Expansion Loop or U-bend minimum design dimensions. If other types of expansion joints are chosen, design per ASTM B-88 Standards.

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INSTALLATION & LAYOUT BEST PRACTICES

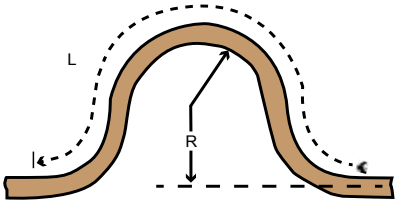
Selecting Field-Supplied Copper Tubing

Table 175: Linear Thermal Expansion of Copper Tubing in Inches.

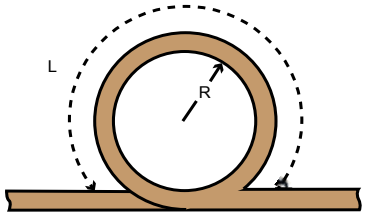
Pipe Length[1]	Fluid Temperature °F																			
	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°
10	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.13	0.14	0.15	0.15
20	0.08	0.08	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.26	0.28	0.29	0.30
30	0.12	0.12	0.15	0.18	0.20	0.21	0.23	0.24	0.26	0.27	0.29	0.30	0.32	0.33	0.32	0.35	0.39	0.42	0.44	0.45
40	0.16	0.16	0.20	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.43	0.46	0.52	0.56	0.58	0.60
50	0.20	0.20	0.25	0.30	0.33	0.35	0.38	0.40	0.43	0.45	0.48	0.50	0.53	0.55	0.54	0.58	0.65	0.70	0.73	0.75
60	0.24	0.24	0.30	0.36	0.39	0.42	0.45	0.48	0.51	0.54	0.57	0.60	0.63	0.66	0.65	0.69	0.78	0.84	0.87	0.90
70	0.28	0.28	0.35	0.42	0.46	0.49	0.53	0.56	0.60	0.63	0.67	0.70	0.74	0.77	0.76	0.81	0.91	0.98	1.02	1.05
80	0.32	0.32	0.40	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.86	0.92	1.04	1.12	1.16	1.20
90	0.36	0.36	0.45	0.54	0.59	0.63	0.68	0.72	0.77	0.81	0.86	0.90	0.95	0.99	0.97	1.04	1.17	1.26	1.31	1.35
100	0.40	0.40	0.50	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.08	1.15	1.30	1.40	1.45	1.50
120	0.48	0.48	0.60	0.72	0.78	0.84	0.90	0.96	1.02	1.08	1.14	1.20	1.26	1.32	1.30	1.38	1.56	1.68	1.74	1.80
140	0.56	0.56	0.70	0.84	0.91	0.98	1.05	1.12	1.19	1.26	1.33	1.40	1.47	1.54	1.51	1.61	1.82	1.96	2.03	2.10
160	0.64	0.64	0.80	0.96	1.04	1.12	1.20	1.28	1.36	1.44	1.52	1.60	1.68	1.76	1.73	1.84	2.08	2.24	2.32	2.40
180	0.72	0.72	0.90	1.08	1.17	1.26	1.35	1.44	1.53	1.62	1.71	1.80	1.89	1.98	1.94	2.07	2.34	2.52	2.61	2.70

[1]Pipe length baseline temperature = 0°F. "Expansion of Carbon, Copper and Stainless Steel Pipe," *The Engineers' Toolbox*, www.engineeringtoolbox.com.

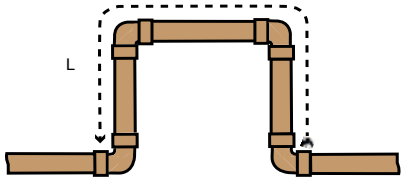
Figure 55: Coiled Expansion Loops and Offsets.



Large Tubing U-bend (>3/4 in.)



Loop



Small Tubing U-bend (<3/4 in.)

Table 176: Radii of Coiled Expansion Loops and Developed Lengths of Expansion Offsets.

Anticipated Linear Expansion (LE) (inches)		Nominal Tube Size (OD) inches			
		1/4	3/8	1/2	3/4
1/2	R[1]	6	7	8	9
	L[2]	38	44	50	59
1	R[1]	9	10	11	13
	L[2]	54	63	70	83
1-1/2	R[1]	11	12	14	16
	L[2]	66	77	86	101
2	R[1]	12	14	16	19
	L[2]	77	89	99	117
2-1/2	R[1]	14	16	18	21
	L[2]	86	99	111	131
3	R[1]	15	17	19	23
	L[2]	94	109	122	143
3-1/2	R[1]	16	19	21	25
	L[2]	102	117	131	155
4	R[1]	17	20	22	26
	L[2]	109	126	140	166

[1]R = Centerline Length of Pipe.

[2]L = Centerline Minimum Radius (inches).

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INSTALLATION & LAYOUT BEST PRACTICES

MULTI F
MULTI F MAX

Refrigerant Piping System Layout

Field-Provided Isolation Ball Valves

LG recommends installing field-supplied ball valves with Schrader ports at each indoor unit. Full-port isolation ball valves with Schrader ports (positioned between valve and indoor unit) rated for use with R410A refrigerant should be used on both the liquid and vapor lines.

If valves are not installed and a single indoor unit needs to be removed or repaired, the entire system must be shut down and evacuated. If isolation ball valves are installed, and an indoor unit needs to be repaired, the unaffected indoor units can remain operational with readdressing and the proper combination ratio. Reclamation of refrigerant, then, can be restricted to a single indoor unit.

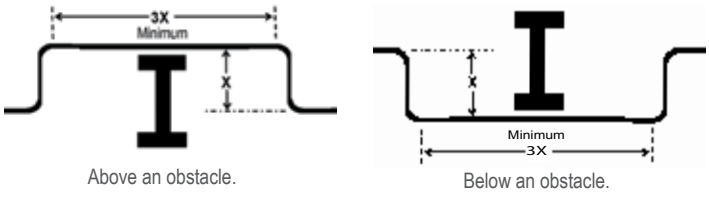
For Multi F MAX systems, position valves with a minimum distance of three (3) to six (6) inches of pipe on either side of the valve, and placed between six (6) and twelve (12) inches from the first upstream Y-branch or branch distribution unit. If ball valves are installed away from the first Y-branch and / or branch distribution unit and closer to the indoor unit, oil may accumulate where it cannot be returned to the outdoor unit and may cause a shortage of oil in the compressor.

Valves shall be easily accessible for service. If necessary, install drywall access doors or removable ceiling panels, and position the valves to face the access door or ceiling panel opening. Mount valves with adequate space between them to allow for placement of adequate pipe insulation around the valves. Recommended best practice is to clearly label and document locations of all service valves, Y-branches, and branch distribution units. The equivalent pipe length of each ball valve must be added to each pipe segment entered into the LATS program.

Obstacles

When an obstacle, such as an I-beam or concrete T, is in the path of the planned refrigerant pipe run, it is best practice to route the pipe over the obstacle. If adequate space is not available to route the insulated pipe over the obstacle, then route the pipe under the obstacle. In either case, it is imperative the horizontal section of pipe above or below the obstacle be a minimum of three (3) times greater than the longest vertical rise (or fall) distance.

Figure 56: Installing Piping Above and Below an Obstacle.



Above an obstacle. Below an obstacle.

Pipe Slope

The horizontal pipe slope cannot exceed 10° up or down.

In-line Refrigeration Components

Components such as oil traps, solenoid valves, filter-dryers, sight glasses, tee fittings, and other after-market accessories are not permitted on the refrigerant piping system between the outdoor units and the indoor / branch distribution units. Multi F and Multi F MAX systems are provided with redundant systems that assure oil is properly returned to the compressor. Sight-glasses and solenoid valves may cause vapor to form in the liquid stream. Over time, dryers may deteriorate and introduce debris into the system. The designer and installer should verify the refrigerant piping system is free of traps, sagging pipes, sight glasses, filter dryers, etc.

No Pipe Size Substitutions

Use only the pipe size selected by the LATS Multi pipe system design software or as conveyed in the product installation instructions. Using a different size is prohibited and may result in a system malfunction or failure to work at all.

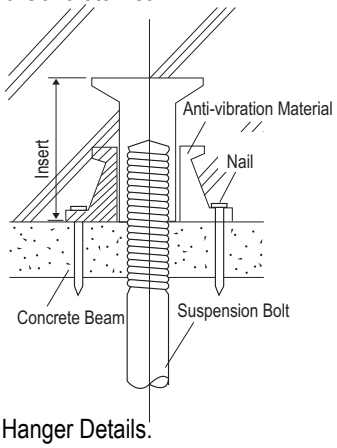
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Inserts and Pipe Supports

Inserts

An insert can be installed into a floor or beam before the concrete sets so that fittings such as ducts, pipes, or suspension bolts can be added at a later time. Decide where the inserts should be placed before support installation.

Figure 57: Installing an Insert Into a Concrete Beam.



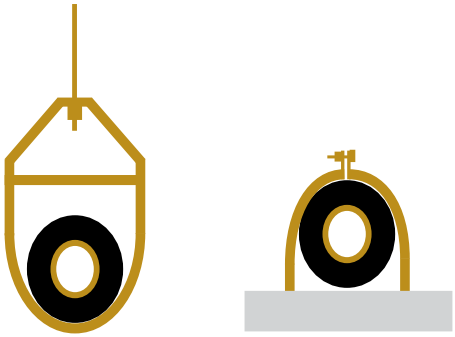
Pipe Supports

Note:

A properly installed pipe system should be adequately supported to avoid pipe sagging. Sagging pipes become oil traps that lead to equipment malfunction.

Pipe supports should never touch the pipe wall; supports shall be installed outside (around) the primary pipe insulation jacket (see Figure 57). Insulate the pipe first because pipe supports shall be installed outside (around) the primary pipe insulation jacket. Clevis hangers should be used with shields between the hangers and insulation.

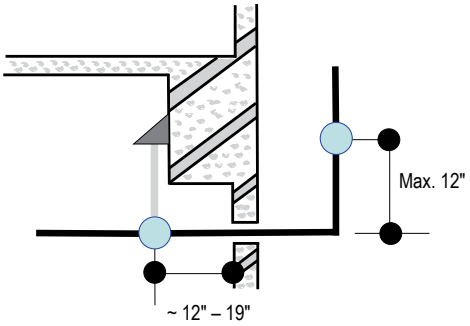
Figure 58: Pipe Hanger Details.



Field provided pipe supports should be designed to meet local codes. If allowed by code, use fiber straps or split-ring hangers suspended from the ceiling on all-thread rods (fiber straps or split ring hangers can be used as long as they do not compress the pipe insulation). Place a second layer of insulation over the pipe insulation jacket to prevent chafing and compression of the primary insulation within the confines of the support pipe clamp.

A properly installed pipe system will have sufficient supports to avoid pipes from sagging during the life of the system. As necessary, place supports closer for segments where potential sagging could occur. Maximum spacing of pipe supports shall meet local codes. If local codes do not specify pipe support spacing, pipe shall be supported a maximum of 5 feet on center for straight segments of pipe up to 3/4" outside diameter size.

Figure 59: Typical Pipe Support Location—Change in Pipe Direction.



Wherever the pipe changes direction, place a hanger within twelve (12) inches on one side and within twelve to nineteen (12 to 19) inches of the bend on the other side as shown in Figure 59. Support piping at indoor units as shown in Figure 60. Support Y-Branch fittings as shown in Figure 61.

Figure 60: Pipe Support at Indoor Unit.

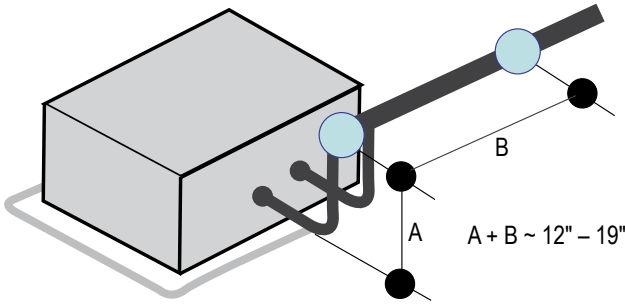
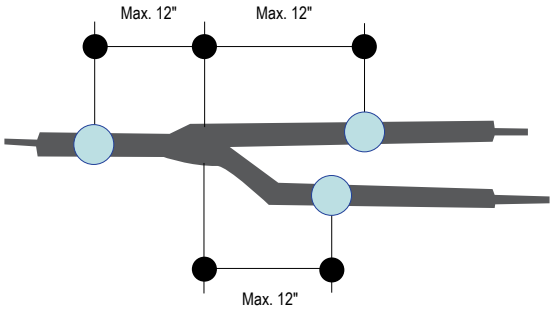


Figure 61: Pipe Support at Y-branch Fitting.



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Examples of Supports

Figure 62: U-Bolt Support with Insulation.

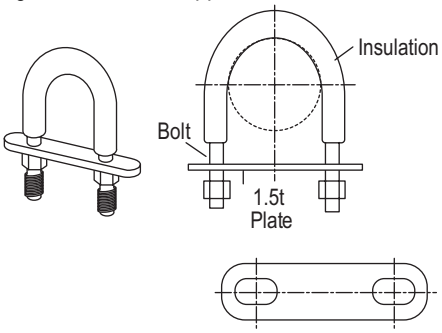


Figure 63: O-Ring Support with Insulation.

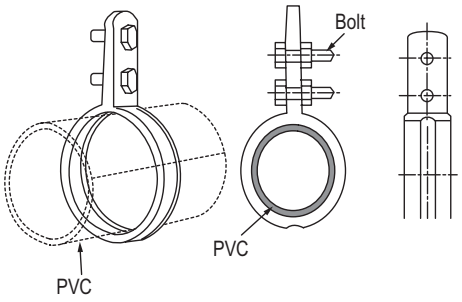
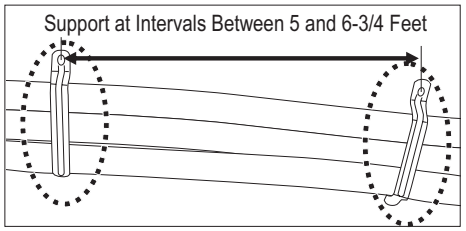


Figure 64: Saddle-Type Support.



Note:

Do not compress the insulation with the saddle-type support. If the insulation is compressed, it may tear open and allow condensation to generate during product operation.

Figure 65: U-Bolt Support with an Insulated Pipe.

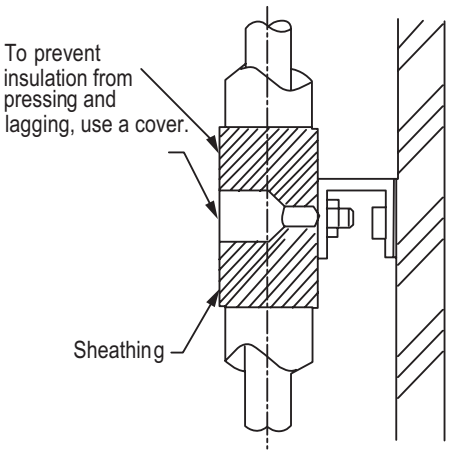


Figure 66: O-Ring Band Support with an Insulated Pipe.

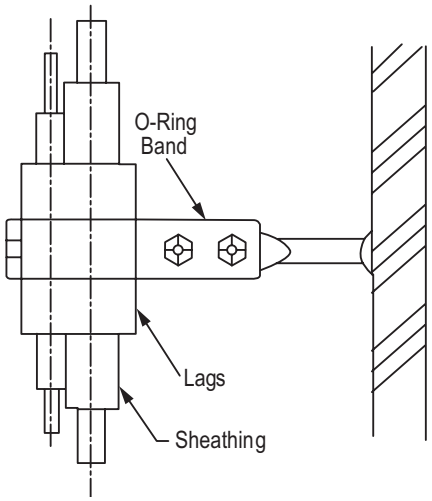


Figure 67: One-Point Down-Stop Support (>441 lbs.).

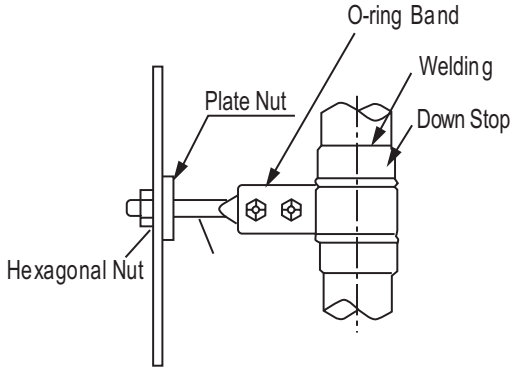
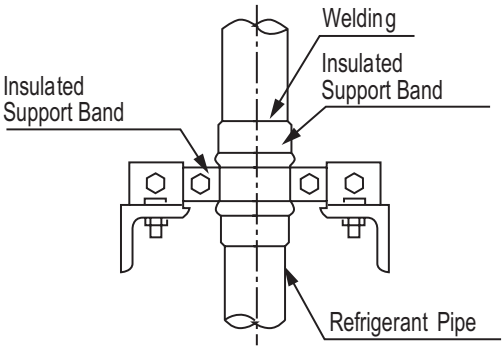


Figure 68: Two-Point Down-Stop Support.



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INSTALLATION & LAYOUT BEST PRACTICES

Refrigerant Piping System Layout

Pipe Sleeves at Penetrations

LG requires that all pipe penetrations through walls, floors, and pipes buried underground be routed through a properly insulated sleeve that is sufficiently sized to provide free movement of the pipe and does not compress the insulation. Underground refrigerant pipe shall be routed inside a protective sleeve to prevent insulation deterioration. Also follow federal, state, and local regulations and codes when choosing a sleeve type.

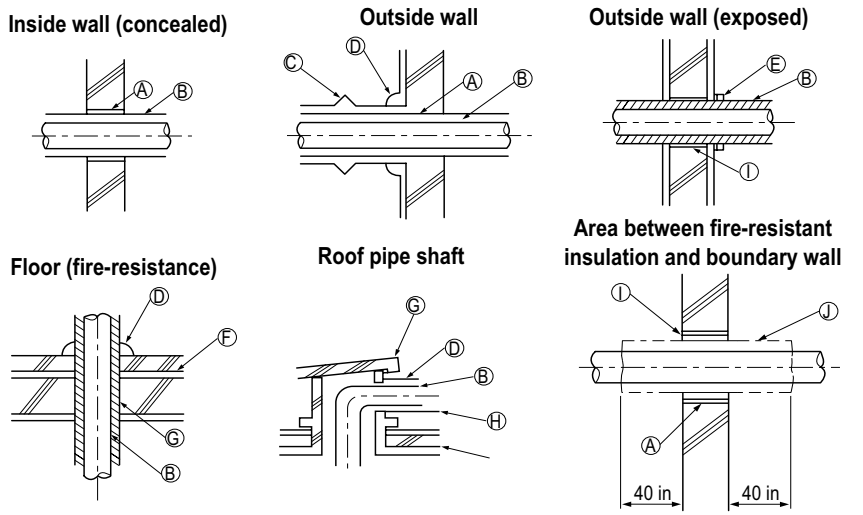
Note:

Diameter of penetrations shall be determined by pipe diameter plus the thickness of the insulation.

For example:

Diameter of Gas Piping:	1/2"
Diameter of Liquid Piping:	1/4"
Thickness of Gas Piping Insulation:	0.4" x 2
Thickness of Liquid Piping Insulation:	0.4" x 2
Surplus:	0.8"
Sleeve diameter (total):	3.1" minimum

Figure 69: Pipe Sleeve Options.



Ⓐ Sleeve
Ⓑ Insulation
Ⓒ Lagging
Ⓓ Caulk
Ⓔ Band
Ⓕ Water-resistant layer
Ⓖ Sleeve with edge
Ⓗ Lagging
Ⓘ Mortar or other fire-resistant caulk
Ⓙ Fire-resistant insulation

When filling an access hole with mortar, cover the area with steel plate so that the insulation will not fall through. For this area, use fire-resistant materials for both the insulation and cover. (Vinyl cover should not be used.)

Underground Refrigerant Piping

Refrigerant pipe installed underground should be routed inside a vapor tight protective sleeve to prevent insulation deterioration and water infiltration. Refrigerant pipe installed inside underground casing must be continuous without any joints. Underground refrigerant pipe must be located at a level below the frost line.

Table 177: Utility Conduit Sizes.

Liquid Pipe[1]	Vapor Pipe[1]		
	1/2 (2.0[2,5])	5/8 (2-1/8[2,5])	3/4 (2-1/4[2,5])
1/4 (1.0)[3]	4	4	4
3/8 (1-1/8)[3]	4	4	5
1/2 (1-1/2)[4]	5	5	5
5/8 (1-5/8)[4]	5	5	5
3/4 (1-3/4)[4]	5	5	5

[1]OD pipe diameter in inches; Values in parenthesis () indicate OD of pipe with insulation jacket.

[2]Diameter of pipe with insulation. Thickness of pipe insulation is typical. Actual required thickness may vary based on surrounding ambient conditions and should be calculated and specified by the design engineer.

[3]Insulation thickness (value in parenthesis) = 3/8 inch.

[4]Insulation thickness (value in parenthesis) = 1 inch.

[5]Insulation thickness (value in parenthesis) = 3/4 inch.

Figure 70: Typical Arrangement of Refrigerant Pipe and Cable(s) in a Utility Conduit.

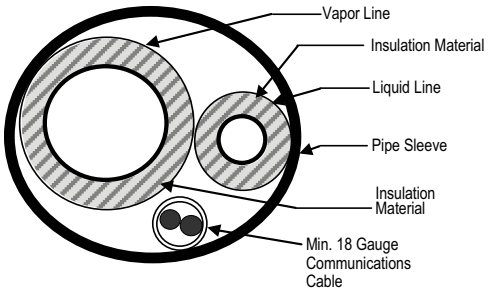


Figure 71: Underground Refrigerant Piping.



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Multi F Outdoor Unit to Indoor Unit Piping Connections

Note:

Avoid Pipe Damage

- *When routing field-provided piping, avoid damaging the outdoor unit from excessive vibration.*
- *Correctly route the piping so it does not make contact with mounting bolts. Allow room for field installation.*
- *Properly insulate the liquid and gas lines separately up to the point of connection at the unit frame.*
- *See Table 179 for Multi F outdoor unit connection types.*

Table 178: Outdoor Unit Piping Connections.

Outdoor Unit Piping Connections	LMU187HV	LMU247HV	LMU369HV
Liquid Line Connection (in., OD) x Qty.	1/4 x 2	1/4 x 3	1/4 x 4
Vapor Line Connection (in., OD) x Qty.	3/8 x 2	3/8 x 3	3/8 x 4

Figure 72: Multi F Refrigerant Pipe Connections (LMU369HV shown as example).

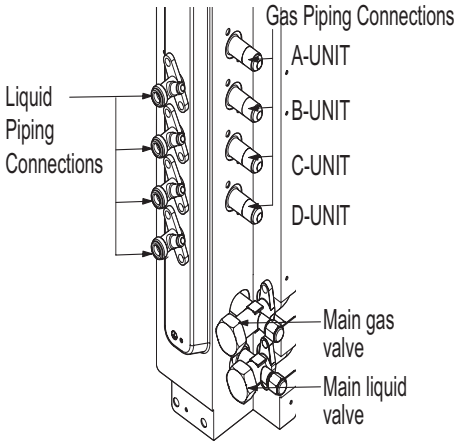


Table 179: Indoor Unit Piping Connections.

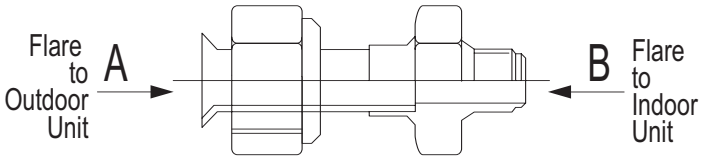
Indoor Unit Capacity	Vapor Line Connection (in., OD)	Liquid Line Connection (in., OD)
9,000 Btu/h	Ø3/8	Ø1/4
12,000 Btu/h		
18,000 Btu/h	Ø1/2	
24,000 Btu/h		

Connection sockets (included as a factory-supplied accessory with the indoor units) may need to be used when piping the indoor units to the outdoor unit.

Table 180: Connection Socket Dimensions.

Indoor Unit Capacity	Vapor (in., OD)		Liquid (in., OD)	
	A	B	A	B
18,000 Btu/h	Ø3/8 → Ø1/2		N/A	
24,000 Btu/h				

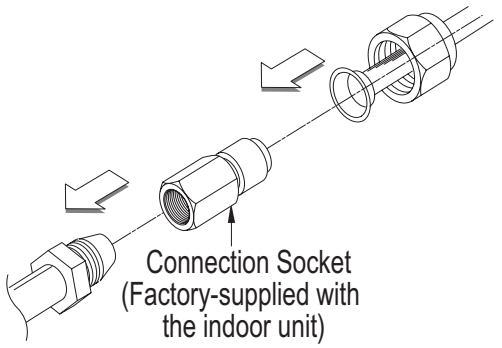
Figure 73: Connection Socket Diagram.



Using the Connection Socket

1. Align the center of the piping sections and tighten the flare nut by hand.
2. Tighten the flare nut with a torque wrench, using the arrows on the wrench as a guide, until a click is heard.

Figure 74: Performing Connections.



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Multi F MAX Outdoor Unit System Piping Connections

Note:

Avoid Pipe Damage

- *When routing field-provided piping, avoid damaging the outdoor unit from excessive vibration.*
- *Correctly route the piping so it does not make contact with mounting bolts. Allow room for field installation.*
- *Properly insulate the liquid and gas lines separately up to the point of connection at the unit frame.*
- *See Table 181 for Multi F MAX outdoor unit connection types.*

Table 181: Outdoor Unit Piping Connections.

Outdoor Unit Piping Connections	LMU540HV
Liquid Line Connection (in., OD) x Qty.	3/8 x 1
Vapor Line Connection (in., OD) x Qty.	3/4 x 1

Branch Distribution to Indoor Unit Piping Connections

- Install indoor unit liquid and vapor refrigerant pipes (and connection wiring) to the appropriate branch distribution ports.
- Clearly note on the indoor unit's refrigerant piping (liquid, vapor) which branch distribution port it is connected to (A, B, C, D).

Table 182: Branch Distribution Unit Piping Connections.

Branch Distribution Unit	PMBD3620	PMBD3630	PMBD3640	PMBD3641
Piping Connections to Outdoor Unit				
Liquid (in., OD) x Qty.	Ø3/8 x 1			
Vapor (in., OD) x Qty.	Ø3/4 x 1			
Piping Connections to Indoor Units				
Liquid (in., OD) x Qty.	Ø1/4 x 2	Ø1/4 x 3	Ø1/4 x 4	Ø1/4 x 3, Ø3/8 x 1
Vapor (in., OD) x Qty.	Ø3/8 x 2	Ø3/8 x 3	Ø3/8 x 4	Ø3/8 x 3, Ø5/8 x 1

Figure 75: Branch Distribution Ports to Indoor Units.

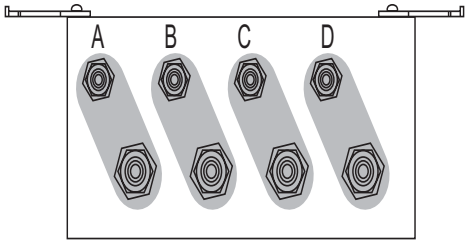


Table 183: Indoor Unit Piping Connections.

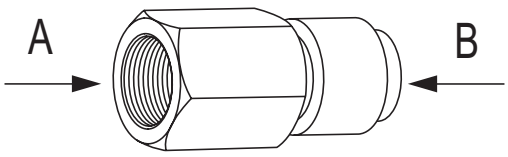
Indoor Unit Capacity	Vapor Line Connection (in., OD)	Liquid Line Connection (in., OD)
9,000 Btu/h	Ø3/8	Ø1/4
12,000 Btu/h		
18,000 Btu/h	Ø1/2	
24,000 Btu/h		
36,000 Btu/h	Ø5/8	Ø3/8

Connection sockets (included as a factory-supplied accessory with the indoor units) may need to be used when piping the indoor units to the branch distribution unit.

Table 184: Connection Socket Dimensions.

Indoor Unit Capacity	Vapor (in., OD)		Liquid (in., OD)	
	A	B	A	B
18,000 Btu/h	Ø3/8 → Ø1/2		N/A	
24,000 Btu/h				
36,000 Btu/h	Ø1/2 → Ø5/8		Ø1/4 → Ø3/8	

Figure 76: Connection Socket Diagram.



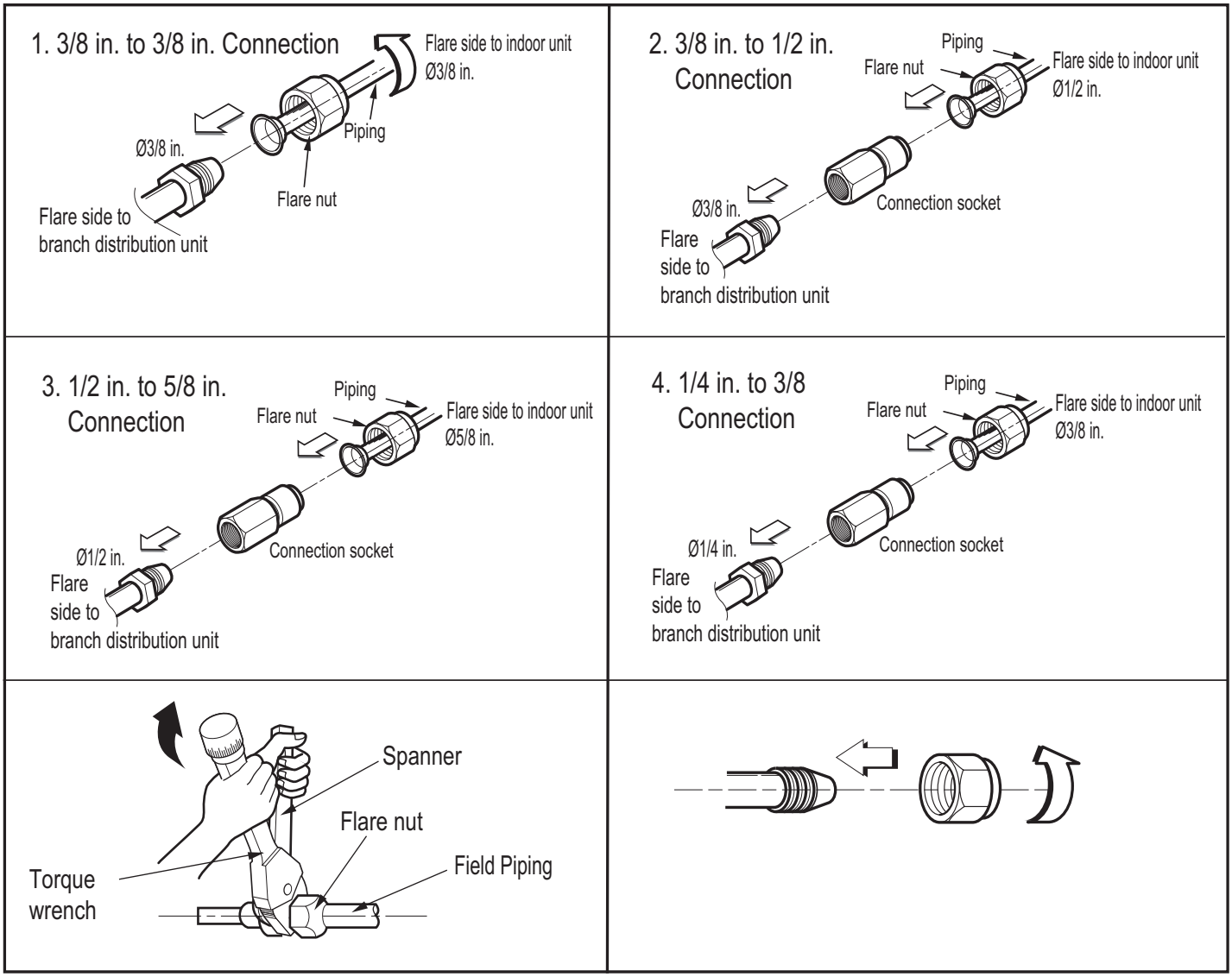
Connection Socket

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Multi F MAX Outdoor Unit System Piping Connections, continued.

1. Align the center of the piping sections and tighten the flare nut by hand.
2. Tighten the flare nut with a torque wrench, using the arrows on the wrench as a guide, until a click is heard.
3. Wrap insulation around the connection.

Figure 77: Possible Branch Distribution Unit to Indoor Unit Connections.



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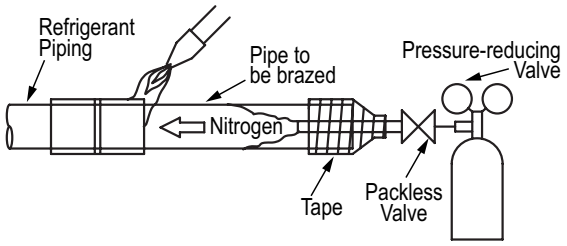
Brazing Practices

Note:

Keep the piping system free of contaminants and debris such copper burrs, slag, or carbon dust during installation.

1. All joints are brazed in the field. Multi F refrigeration system components contain very small capillary tubes, small orifices, electronic expansion valves, oil separators, and heat exchangers that can easily become blocked.
- Store pipe stock in a dry place; keep stored pipe capped and clean.
- Blow clean all pipe sections with dry nitrogen before assembly.

Figure 78: Refrigerant Pipe Brazing.



2. Proper system operation depends on the installer using best practices and utmost care while assembling the piping system.
- Use adapters to assemble different sizes of pipe.
- Do not use flux, soft solder, or anti-oxidant agents.
- Use a tubing cutter; do not use a saw to cut pipe. De-burr and clean all cuts before assembly.

3. Brazing Joints:
- Use a dry nitrogen purge operating at a minimum pressure of three (3) psig and maintain a steady flow.
- Use a 15% silver phosphorous copper brazing alloy to avoid overheating and produce good flow.
- Protect isolation valves, electronic expansion valves, and other heat-sensitive control components from excessive heat with a wet rag or a heat barrier spray product

Flare Connection Practices

Note:

Improperly installed flare connections can lead to refrigerant leaks.

1. Place a couple of drops of refrigerant oil on the opening rim of the flare before assembling. Take care not to add any contaminants.

2. Align the center of the refrigerant pipe and corresponding connection and tighten the flare nut by hand.

3. Following the guidelines as outlined in Table 185 for the amount of torque to use, tighten the flare nut with a torque wrench until the wrench clicks.

4. When flare is sufficiently tightened and the system has been tested for refrigerant leaks, wrap insulation around the connection.

✓ *When tightening the flare unit with a torque wrench, ensure the direction for tightening follows the arrow on the wrench.*

Table 185: Torque Wrench Tightening.

Piping O.D. (in.)	Torque (lbs. / ft.)
1/4	13-18
3/8	24.6-30.4
1/2	39.8-47.7
5/8	45.6-59.3
3/4	71.6-87.5

Figure 79: Flare Connection, Isometric View.

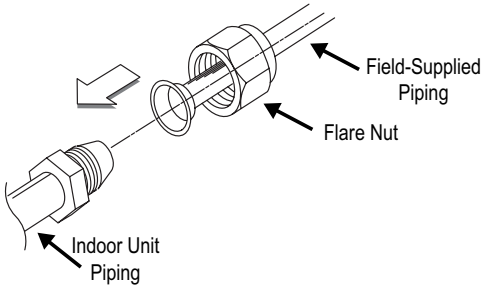


Figure 80: Flare Connection, Side View.

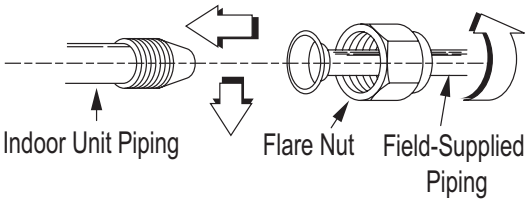
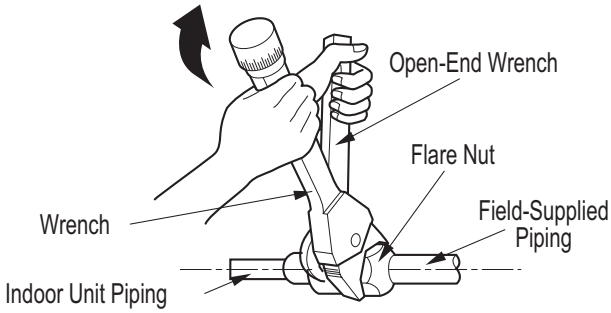


Figure 81: Using the Torque Wrench.



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INSTALLATION & LAYOUT BEST PRACTICES

Piping Insulation

Refrigerant Piping System Insulation

All refrigerant piping including Y-branch connections, field-provided isolation ball valves, service valves, and elbows shall be completely insulated using closed cell pipe insulation.

To prevent heat loss/heat gain through the refrigerant piping, all refrigerant piping including liquid lines and vapor lines shall be insulated separately. Insulation shall be a minimum 1/2" thick, and thickness may need to be increased based on ambient conditions and local codes.

All insulation joints shall be glued with no air gaps. Insulation material shall fit snugly against the refrigeration pipe with no air space between it and the pipe. Insulation passing through pipe hangers, inside conduit, and/or sleeves must not be compressed. Protect insulation inside hangers and supports with a second layer. All pipe insulation exposed to the sun and outdoor elements shall be properly protected with PVC, aluminum vapor barrier, or alternatively placed in a weather-resistant enclosure such as a pipe rack with a top cover; and meet local codes. Pay special attention to insulating the pipes installed in the ceiling plenum.

LG-provided Y-branches are shipped from the factory with pre-formed peel-and-stick foam insulation jackets, with a 1.84 lb./ft.^{3} density, 1/2" thickness, and meet UL94 MF-1 flammability.

The design engineer should perform calculations to determine if the factory-supplied insulation jackets are sufficient to meet local codes and avoid sweating. Maximum refrigerant piping temperature is +227°F; minimum refrigerant piping temperature is -4°F. Add additional insulation if necessary. Check the fit of the insulation jacket after the header fitting and all run-out pipes are installed. Mark all pipes at the point where the insulation jacket ends. Remove the jacket. Install field provided insulation on the run-out and main trunk pipes first. Install the LG-provided insulation plugs on the ends of all unused header ports. Peel the adhesive glue protector slip from the insulation jacket and install the clam-shell jacket over the fitting.

Minimum Refrigerant Pipe Ethylene Propylene Diene Methylene (EPDM) Insulation Wall Thickness Requirements

Note:

Follow locals codes when selecting EPDM insulation wall thickness.

Table 186: Insulation Guidelines for Typical and Special Circumstances.

Classification		Air-conditioned location		Non-air conditioned location	
		1. Typical location	2. Special location	3. Typical location	4. Special location
Liquid pipe	ø1/4 inches	1/2 inches	1/2 inches	1/2 inches	1/2 inches
	ø3/8 inches				
	≥ø1/2 inches	1/2 inches	1/2 inches	1/2 inches	1/2 inches
Vapor pipe	ø3/8 inches	1/2 inches	3/4 inches	3/4 inches	1 inch
	ø1/2 inches				
	ø5/8 inches				
	ø3/4 inches				

1. Air-conditioned, Typical location: When the piping passes through an indoor area where the indoor unit operates.

• Apartment, classroom, office, mall, hospital, etc.

2. Air-conditioned, Special location

1. When the location is air conditioned, but there is severe temperature/humidity difference due to high ceilings
   • Church, auditorium, theater, lobby, etc.
2. When the location is air conditioned, but internal temperature/humidity are high
   • Bathroom, swimming pool, locker room, etc.

3. Non-air conditioned, Typical location: When the piping passes through an indoor area where the indoor unit does not operate.

• Hallway or a dormitory or school, etc.

4. Non-air conditioned, Special location: If conditions 1 and 2 below are present.

1. When the piping passes through an indoor area where the indoor unit does not operate.
2. When the humidity is high and there is no air flow in the location where the piping is installed.
   • The thickness of the above insulation material is based on heat conductivity of 0.61 Btu/in/h/ft^2/°F.

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Condensate Drain Piping

Outdoor Units

Outdoor unit requires condensate drain piping. Condensate drain pipe is constructed with materials approved by local code. See pages 191 to 196 for information in reference to outdoor unit placement and condensate drainage.

Indoor Units

All indoor units generate water during cooling operation, therefore, how to properly handle this condensation must be considered. Some indoor units include factory-installed drain pumps; others apply the gravity drain method.

Depending on the location of the indoor unit, condensation can be drained directly to the outside of the building, or a common indoor unit drainage piping system can be installed, both incorporating PVC piping.

Table 187: Indoor Unit Drain Piping Specifications.

Indoor Unit	Drain Type	Drain Pipe Diameter (OD / ID, in.)	Drain Amount (gal. / min. at 0.033 ft. height)
Art Cool Wall-Mounted	Gravity	13/16 / 5/8	—
Art Cool Gallery	Gravity	13/16 / 5/8	—
Standard Wall-Mounted	Gravity	13/16 / 5/8	—
Ceiling-Concealed Ducted (Low Static and High Static)	27-1/2 in. Lift Drain Pump, Factory Installed	Ø1-1/4 / Ø1	0.105
Four-Way Ceiling Cassette	27-1/2 in. Lift Drain Pump, Factory Installed	Ø1-1/4 / Ø1	0.105
Vertical-Horizontal Air Handling Unit	Gravity	Ø3/4 / —	—

Figure 82: Diagram of an Indoor Unit with a Gravity Drain.

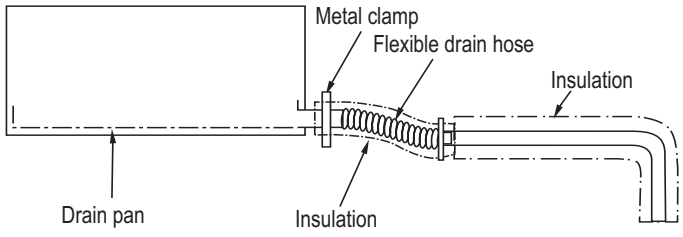
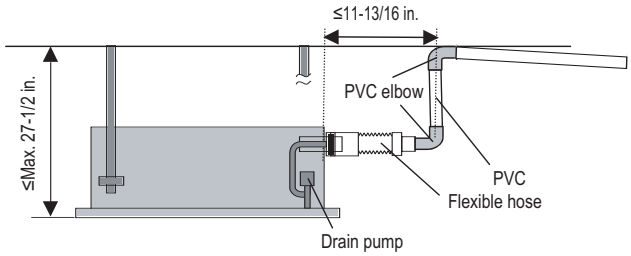


Figure 83: Diagram of an Indoor Unit with a Drain Pump.



Note:

Ensure the indoor unit, refrigerant piping, power wiring / communication cables, and drain piping is properly supported with anchor bolts and clamp hangers positioned at 3.3 to 4.9 foot intervals.

Flexible Drain Hose

Some indoor units include a factory-provided flexible drain pipe for installation.

- Install the flexible drain pipe as straight as possible; sharp angles may cause the pipe to deteriorate and may crack over time.
- Connect the flexible drain pipe with a round clamp. If the flexible drain pipe is not installed properly, water will leak from the connection.
- Do not include a reverse slope in the drain connection.

Figure 84: Flexible Drain Hose Connection.

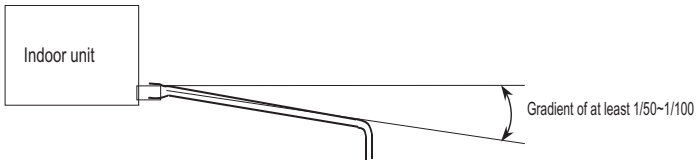


Clamp the Flexible Drain Hose Connection

Drainage Gradient

The gradient for drain piping should be at least 1/50 to 1/10. Ensure any holes through ceilings, walls, etc., are large enough to accommodate both the drain piping and any insulation.

Figure 85: Drain Piping Gradient Recommendation.



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INSTALLATION & LAYOUT BEST PRACTICES

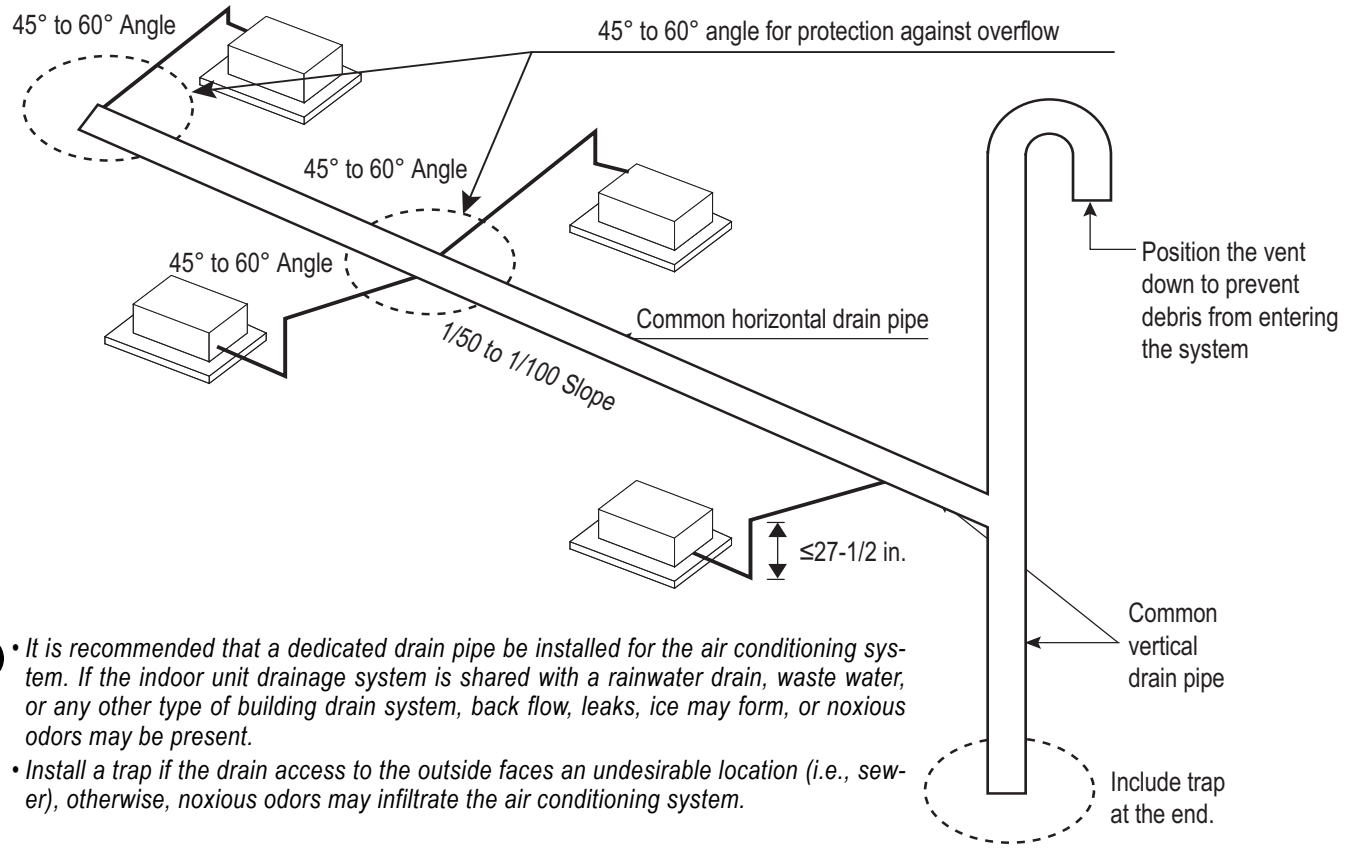
MULTI F
MULTI F MAX

Condensate Drain Piping

Common Indoor Unit Drainage System

It is usual work practice to connect individual indoor unit drain pipes to one common indoor unit drainage system. The diameter of the common vertical drain pipe should be as large as necessary. (For systems with <80,000 Btu/h total capacity of all connected indoor units, the standard size for the common vertical drain pipe is 0.98 ID, in. and 1.26 OD, in.) The diameter of the horizontal pipe should be the same or larger than the vertical drain pipe. To avoid property damage in the event of the primary drain becoming clogged, and to optimize drain system performance, it may be prudent to install a secondary drain line. Design the drain system to plan for winter operation (condensate line may freeze up if condensate does not properly drain away). Drain all generated condensate from the external condensate pan to an appropriate area. Install a trap in the condensate lines as near to the indoor unit coil as possible; to prevent overflow the outlet of each trap should be positioned below its connection to the condensate pan. All traps should be primed, insulated, and leak tested if located above an inhabited space.

Figure 86: Example of a Common Indoor Unit Drainage System.



- *It is recommended that a dedicated drain pipe be installed for the air conditioning system. If the indoor unit drainage system is shared with a rainwater drain, waste water, or any other type of building drain system, back flow, leaks, ice may form, or noxious odors may be present.*
- *Install a trap if the drain access to the outside faces an undesirable location (i.e., sewer), otherwise, noxious odors may infiltrate the air conditioning system.*

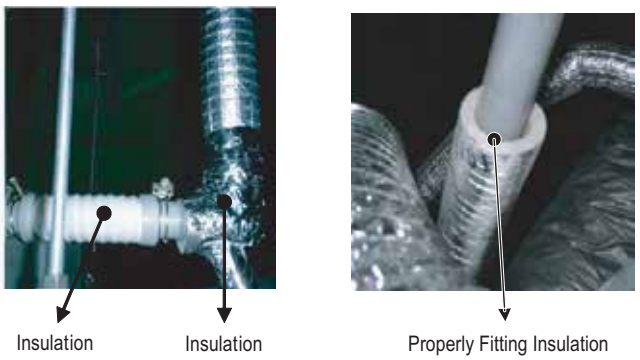
Drain Leak Test

A leak test should be performed 24 hours after the drainage system has been installed. Only use water for the test; other liquids are unacceptable.

Drain Pipe Insulation

To prevent condensate from forming on the drain piping, install field-supplied 0.4 inch thick polyethylene. The insulation should be securely fastened with all connected joints and ends properly covered.

Figure 87: Properly Insulating the Drainage Piping.



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CUT SHEET

Y-Branch Kit

- LG Y-Branch Kit PMBL5620 is required when installing two branch distribution units in parallel on one LG Multi F MAX system.
- The kit must be properly installed following instructions in the applicable LG manual. Field-supplied branch fittings are not permitted.
- Kit components must be kept free of debris and be dry before installation.
- All Y-Branch Kits include a clam shell, peel-and-stick insulation jacket.



Table 188: Fitting Properties.

Material	Copper
Design Pressure	551 psig

Table 189: Multi F MAX Y-Branch Connection Diameters.

Model	Y-Branch Type	Port Identifier (inch)		
		1	2	3
PMBL5620	Liquid	Ø3/8	Ø3/8	Ø3/8
	Vapor	Ø3/4	Ø3/4	Ø3/4
	Y-Branch Type	Dimensions (inch)		
		X	Y	
	Liquid	13.80	3.24	
	Vapor	12.48	3.02	

Figure 88: Y-Branch Port Identifier Diagram.

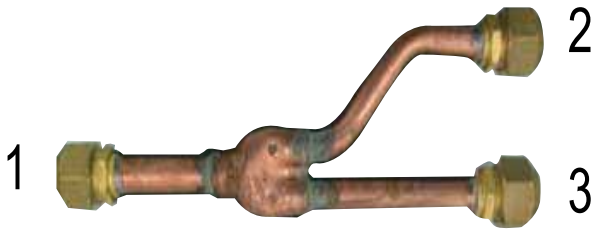
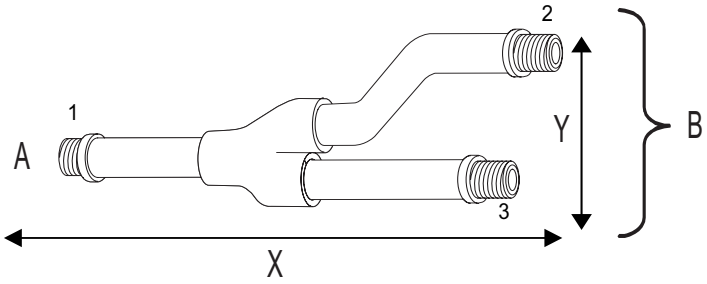


Figure 89: Y-Branch Dimensions Diagram.

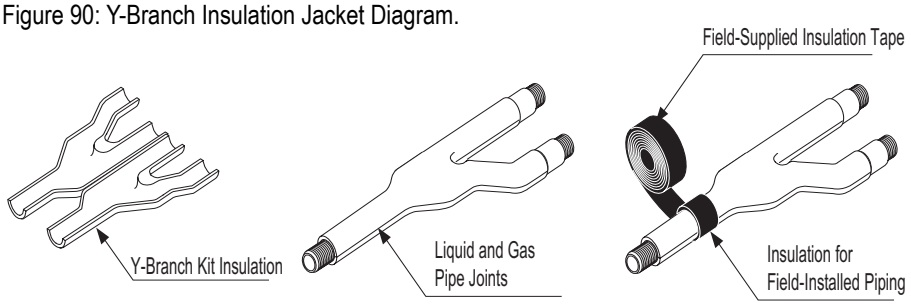


A = To Outdoor Unit
B = To Branch Distribution Unit

Table 190: Insulation Jacket Properties.

Material	Polyolefin Foam
UL94 Flame Classification	HF-1
Density	1.84 lbs./ft.^{3}
Thermal Conductivity	.0208 Btu/h/ft. ºR
Thickness	1/2 inch

Figure 90: Y-Branch Insulation Jacket Diagram.



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WIRING CONNECTIONS

“General Information” on page 220

“Power Wiring (208-230V) and Communications Cable Details” on page 223

“Indoor Unit Group Control” on page 228

WIRING CONNECTIONS

General Information

MULTI F
MULTI F MAX

⚠ WARNING

- *Only qualified technicians—in accordance with federal, state, and local codes, and manufacturer product diagrams and requirements—should install the power wiring and communication cables.*
- *Use only copper wiring that is stranded, shielded with the wires separately insulated.*
- *Do not use a multi-conductor cable with more than five (5) wires in one (1) core.*
- *Power wiring and communications cable sizes must comply with applicable federal UL / ETL, state, and local codes.*
- *Verify that the branch switch and circuit breaker are set to OFF before installing the wiring system.*
- *Do not operate the air conditioning system until the refrigerant piping installation is complete. Operating the system before refrigerant piping is finalized may damage the compressor.*
- *Install a ground wire for the outdoor units, indoor units, and branch distribution units.*
- *Install a main shutoff switch or circuit breaker that interrupts all power sources simultaneously (circuit breaker should be resistant to electromagnetic currents).*
- *To avoid the possibility of explosion, fire, etc., do not connect the ground wiring to gas or sewage pipes, lightening rods, and telephone wires. Use clamps to prevent the wires from touching the piping.*
- *Use ring terminals to attach the wiring. Verify that all power wiring and communications cable terminals are securely attached; ensure enough slack is included in the wiring and cables to avoid damaging the connections.*
- *Use a conduit to protect the power wiring.*
- *Do not install a phase-advancing capacitor; the outdoor unit may overheat.*

Power Wiring and Communications Cable Installation

For both Multi F and Multi F MAX systems, power is wired to the outdoor unit only. The outdoor unit will supply power to the branch distribution units (Multi F MAX systems only) and the indoor units through the power wiring / communications cable.

Electrical Specifications

1. Multi F and Multi F MAX Outdoor Units: 1Ø, 208-230V, 60Hz
2. Indoor units / Branch Distribution Units (Multi F MAX systems only): 1Ø, 208-230V, 60Hz from the outdoor unit (Indoor units draw minimal power.)
3. Power supply wire type and size should be selected based on NEC and local codes. Maximum allowable voltage fluctuation ±10% of the nameplate rated value.
4. Properly ground the outdoor unit per NEC and / or local code.
5. Use only copper wiring that is stranded and shielded with the wires separately insulated.

Power Wiring / Communications Cable Specifications

- From Multi F Outdoor Units to Indoor Units = 4 x 18AWG
- From Multi F MAX Outdoor Units to Branch Distribution Units = 4 x 16AWG
- From Multi F MAX Branch Distribution Units to Indoor Units = 4 x 18AWG
- Maximum Allowable Temperature: 194°F
- Multi F System Maximum Cable Length: 88.6 ft.
- Multi F MAX System Maximum Cable Length:
  - Outdoor Unit to Branch Distribution Unit(s): 180.4 ft.
  - Branch Distribution Unit(s) to Indoor Unit(s): 49.2 ft.
- Indoor Unit(s) to Wired Controller: Three-core cable

Figure 91: Power Wiring to Multi F and Multi F MAX ODU.

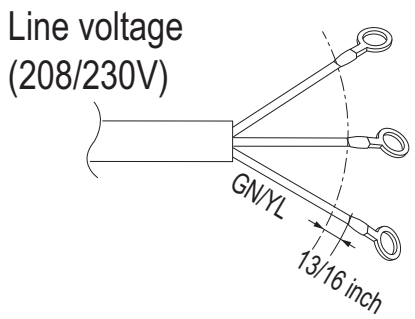
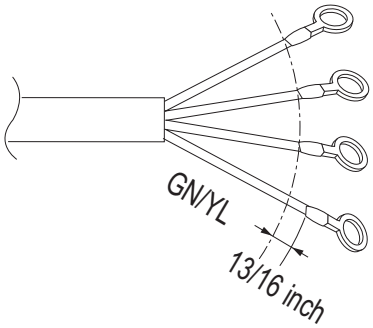


Figure 92: Power Wiring and Communications Cable from the Multi F ODU to the IDUs, or from the Multi F MAX ODU to the BDUs and from the BD Unit to the IDUs.



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Connecting the Power Wiring / Communications Cable

Best practice dictates using ring or spade terminals to terminate power wiring at the power terminal block. If ring terminals or spade clips are not available, then:

- Do not terminate different gauge wires to the power terminal block. (Slack in the wiring may generate heat.)
- When terminating wires of the same thickness, follow the instructions demonstrated in the figures below.
- Firmly attach the wire; secure in a way to prevent external forces from being imparted on the terminal block.
- Use an appropriately sized screwdriver for tightening the terminals.
- Do not overtighten the connections; overtightening may damage the terminals.

Figure 93: Close up of a Typical Ring Terminal.

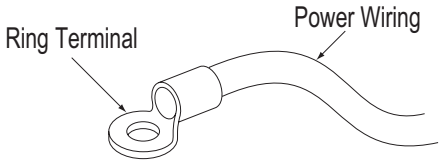


Figure 94: Close up of the Indoor Unit Terminal Block.

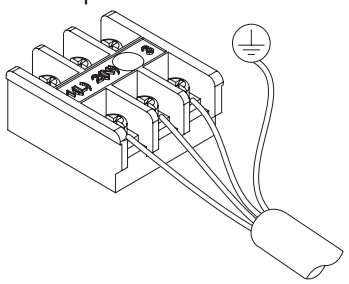
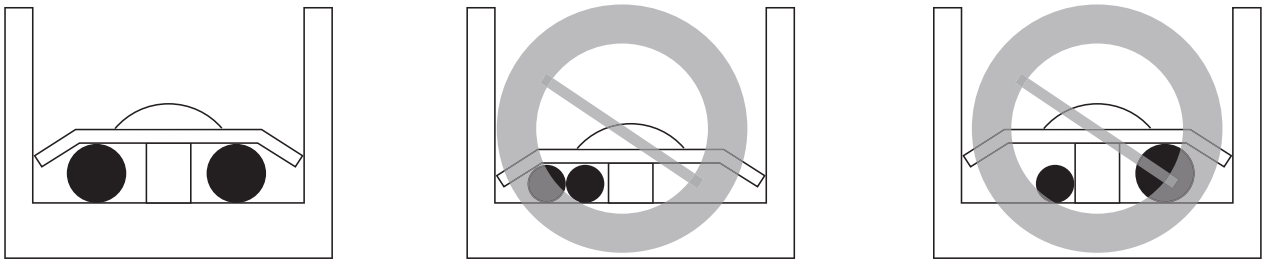


Figure 95: Proper and Improper Power Wiring Connections.

● :Copper Wire



Terminate multiple power wires of the same gauge to both sides.

Do not terminate two wires on one side.

Do not terminate different gauge wires to a terminal block.

⚠WARNING

If power wires are not properly terminated and firmly attached, there is risk of fire, electric shock, and physical injury or death.

Note:

- *Never apply line voltage power to the communications cable terminal block. If contact is made, the PCBs may be damaged.*
- *Always include some allowance in the wiring length when terminating. Provide some slack to facilitate removing the electrical panels while servicing.*

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Figure 96: Multi F System General Power / Communications System Schematic.

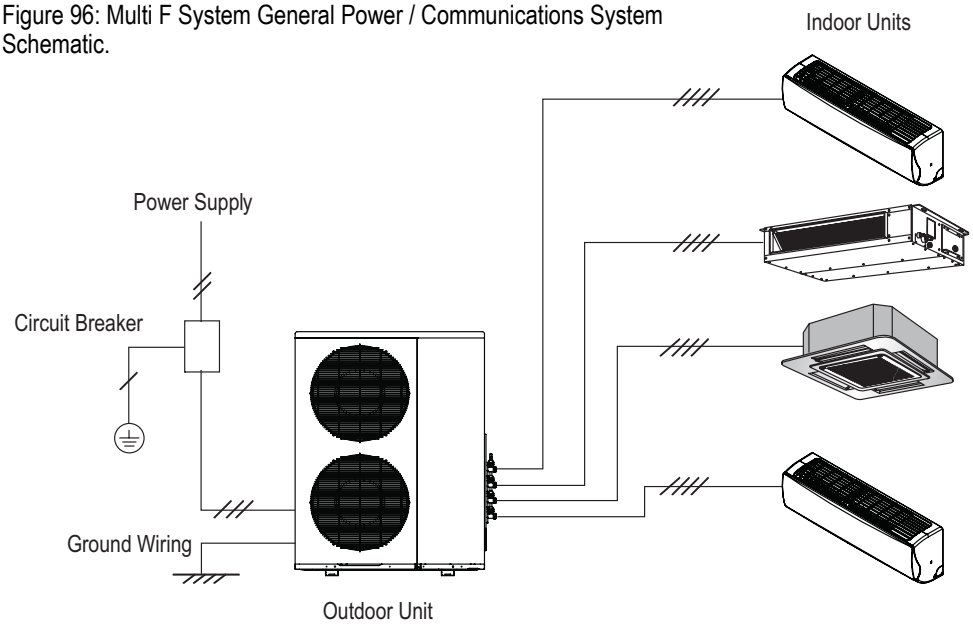
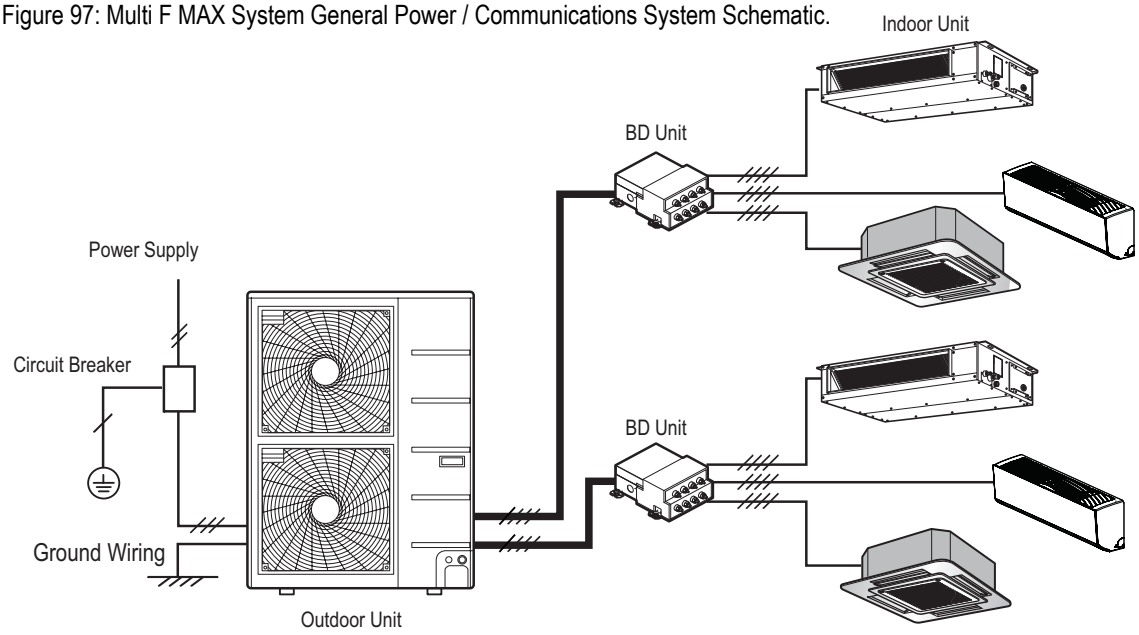


Figure 97: Multi F MAX System General Power / Communications System Schematic.



Note:

- *Secure the separate wires in the control box panel using zip ties.*
- *Secure wiring with accessory clamps so that it does not touch piping.*
- *Use a conduit for the cable*
- *Outside the unit, make sure the communications cable and the power wiring are separately shielded, otherwise, the outdoor unit operation may be affected by electrical noise and will malfunction or fail.*

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WIRING CONNECTIONS

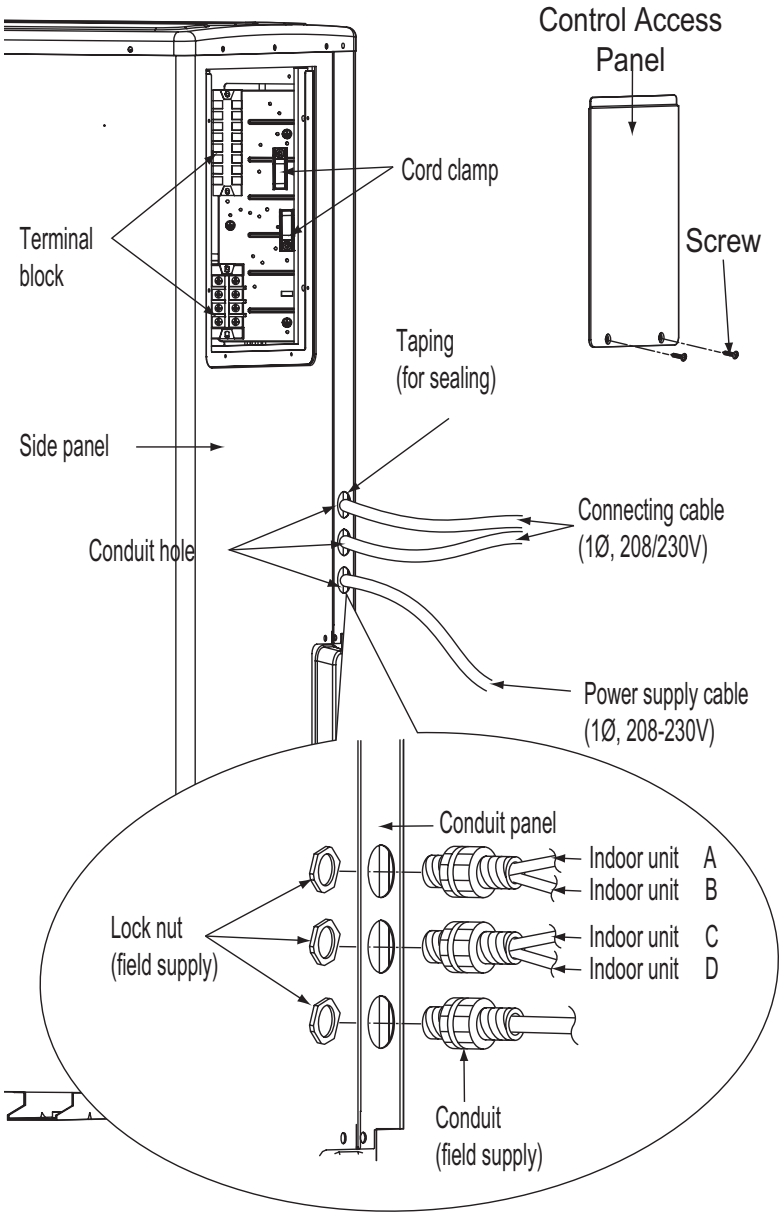
Power Wiring (208-230V) and Communications Cable Details

- Find the outdoor unit terminal block by unscrewing the control access panel.
- Side panel of the outdoor unit has knockout holes for the conduits. After install is complete, seal up any gaps between the panel and the conduits.
- Clamp is included near the terminal block to help protect the connections from strain on the cables.

⚠ WARNING

- *Always have a trained technician properly ground the outdoor unit. If the outdoor unit is not properly grounded, there is a risk of electric shock.*
- *Use a conduit for the power wiring.*
- *The communications cable should be separated and isolated from the outdoor unit power wiring, computers, radio and television broadcasting facilities, as well as medical imaging equipment.*

Figure 98: Example of Power Wiring and Communications Cable Terminations.

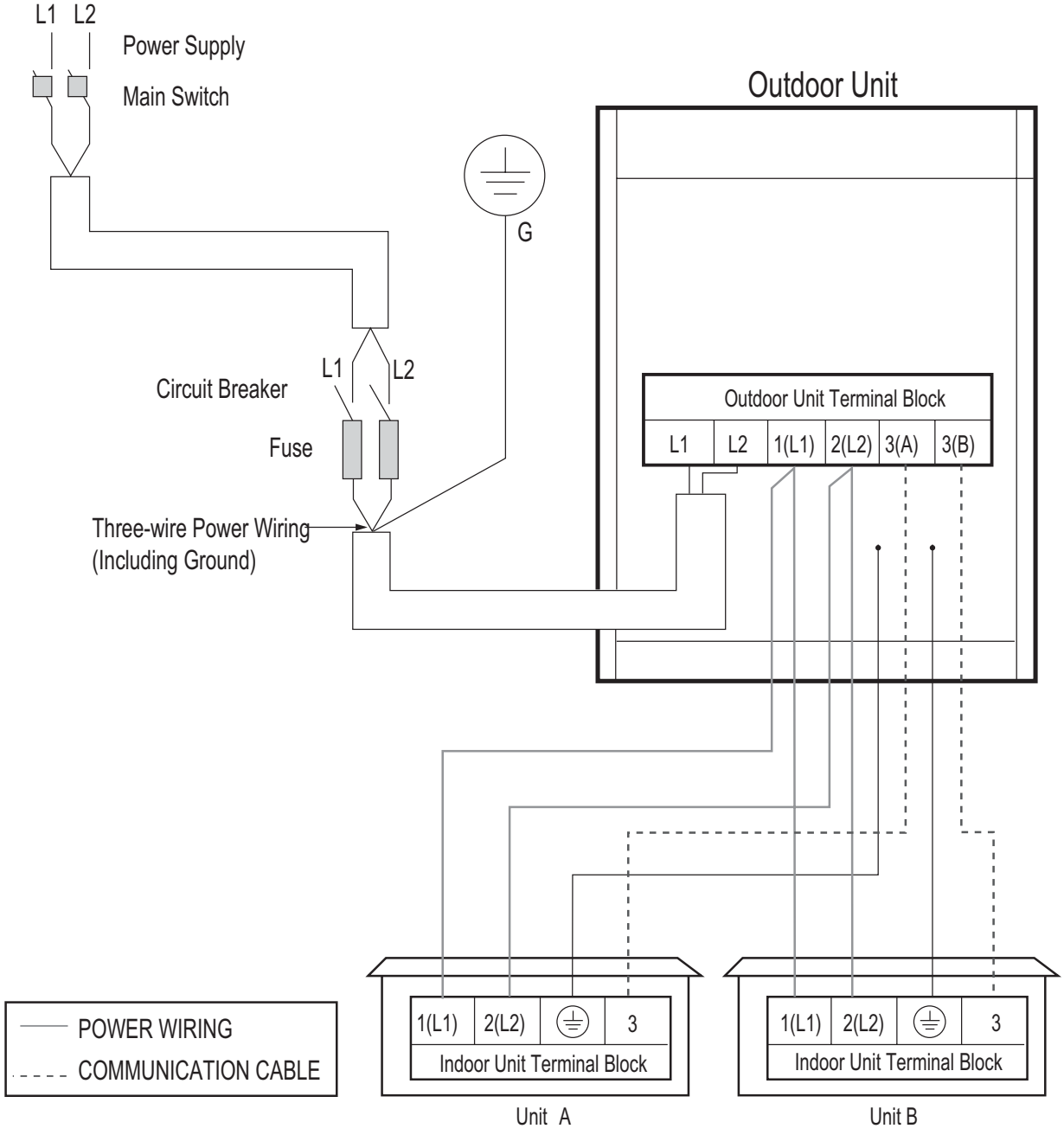


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WIRING CONNECTIONS

Power Wiring (208-230V) and Communications Cable Details

Figure 99: Multi F LMU187HV System Power Wiring and Communications Cable.



⚠ WARNING

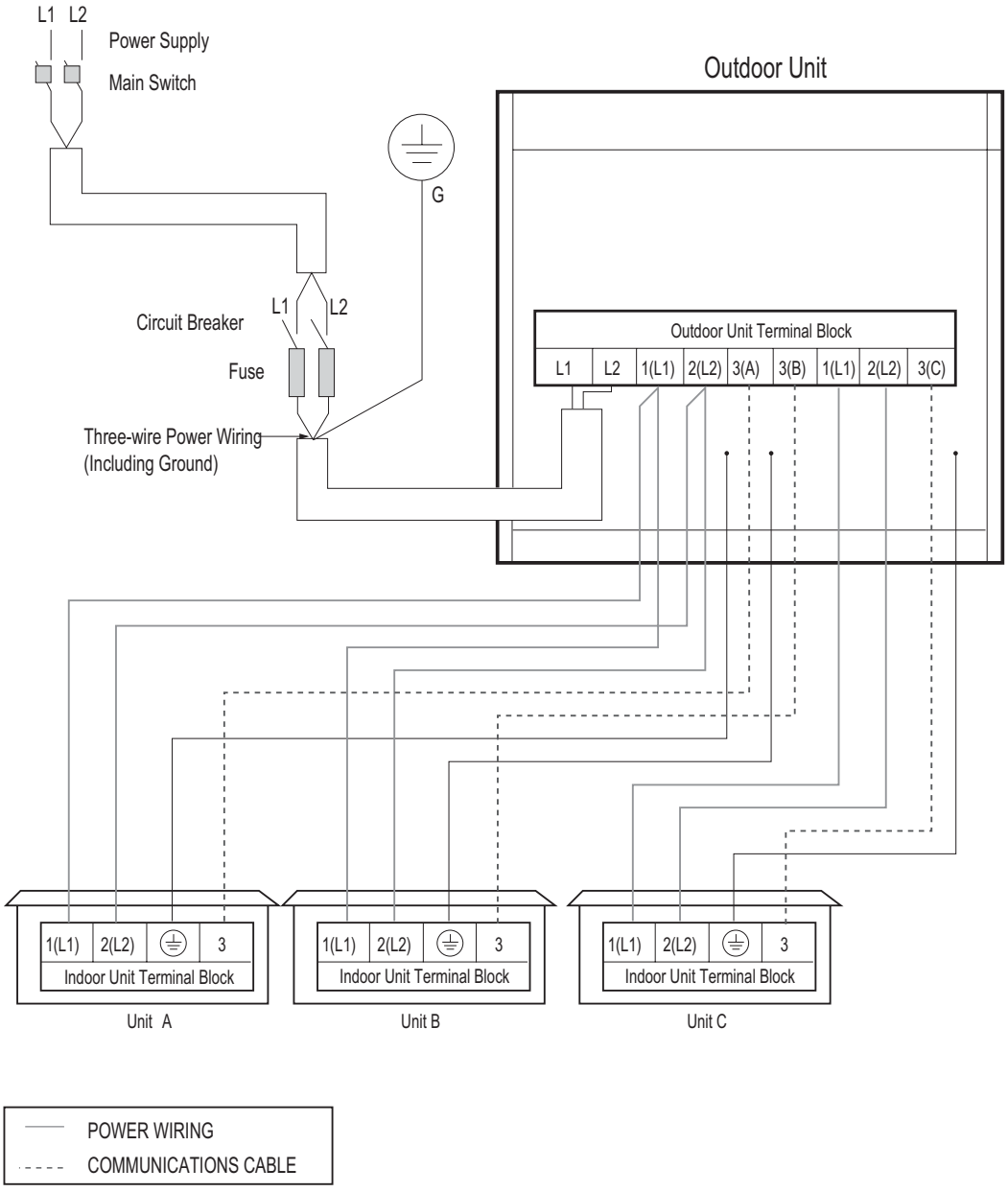
- *All field-supplied wiring, components, and materials should follow national, state, and local codes and requirements.*
- *Use only stranded, shielded copper conductor.*
- *Ground wiring is required to prevent accidental electrical shock during current leakage, communication problems from electrical noise, and motor current leakage. Do not connect the ground line to the pipes.*
- *Install a main shutoff switch or circuit breaker that interrupts all power sources simultaneously.*
- *Wiring cable size must comply with applicable national, state, and local codes.*

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WIRING CONNECTIONS

Power Wiring (208-230V) and Communications Cable Details

Figure 100: Multi F LMU247HV System Power Wiring and Communications Cable.

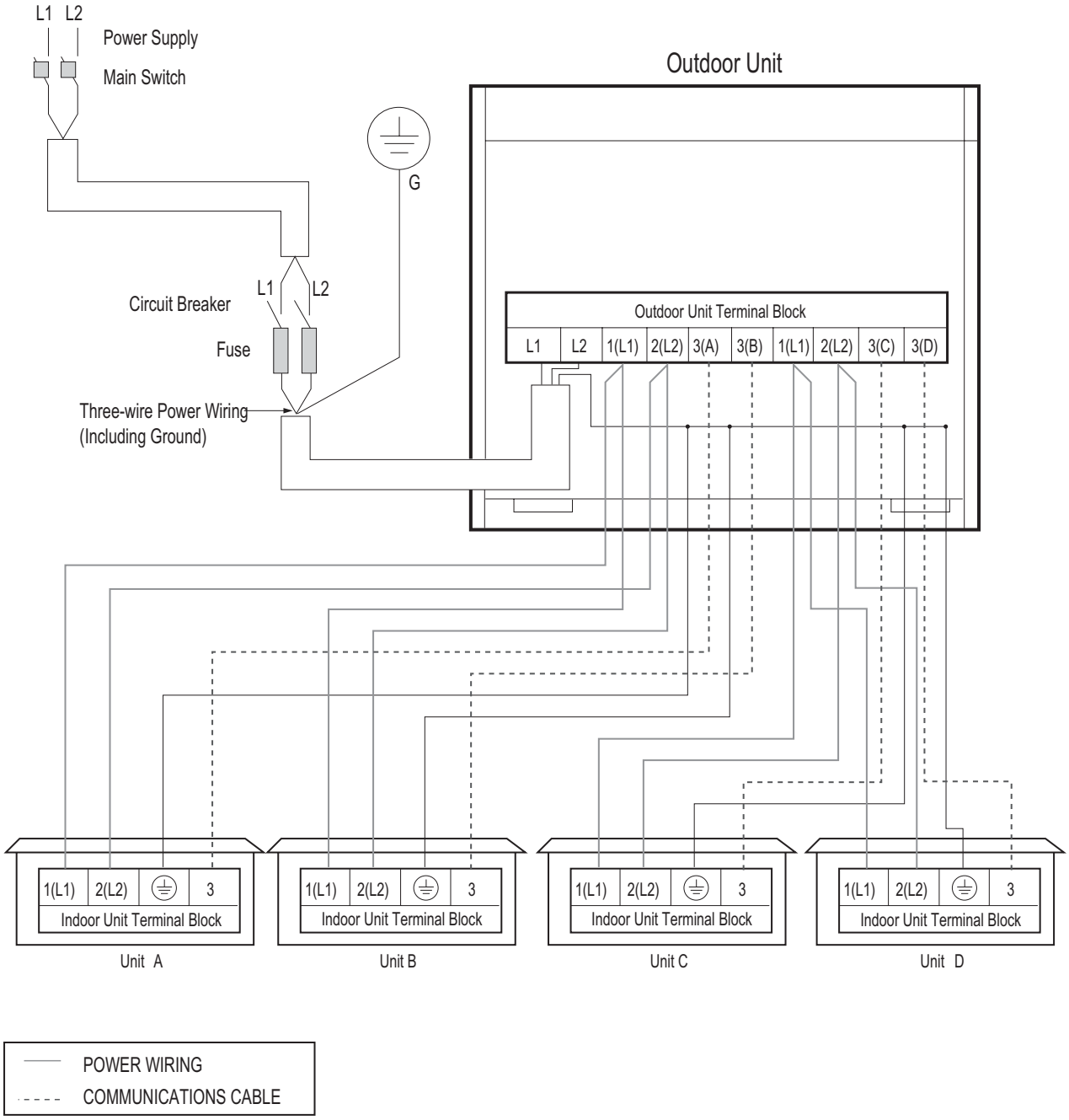


⚠ WARNING

- *All field-supplied wiring, components, and materials should follow national, state, and local codes and requirements.*
- *Use only stranded, shielded copper conductor.*
- *Ground wiring is required to prevent accidental electrical shock during current leakage, communication problems from electrical noise, and motor current leakage. Do not connect the ground line to the pipes.*
- *Install a main shutoff switch or circuit breaker that interrupts all power sources simultaneously.*
- *Wiring cable size must comply with applicable national, state, and local codes.*

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Figure 101: Multi F LMU369HV System Power Wiring and Communications Cable.



⚠ WARNING

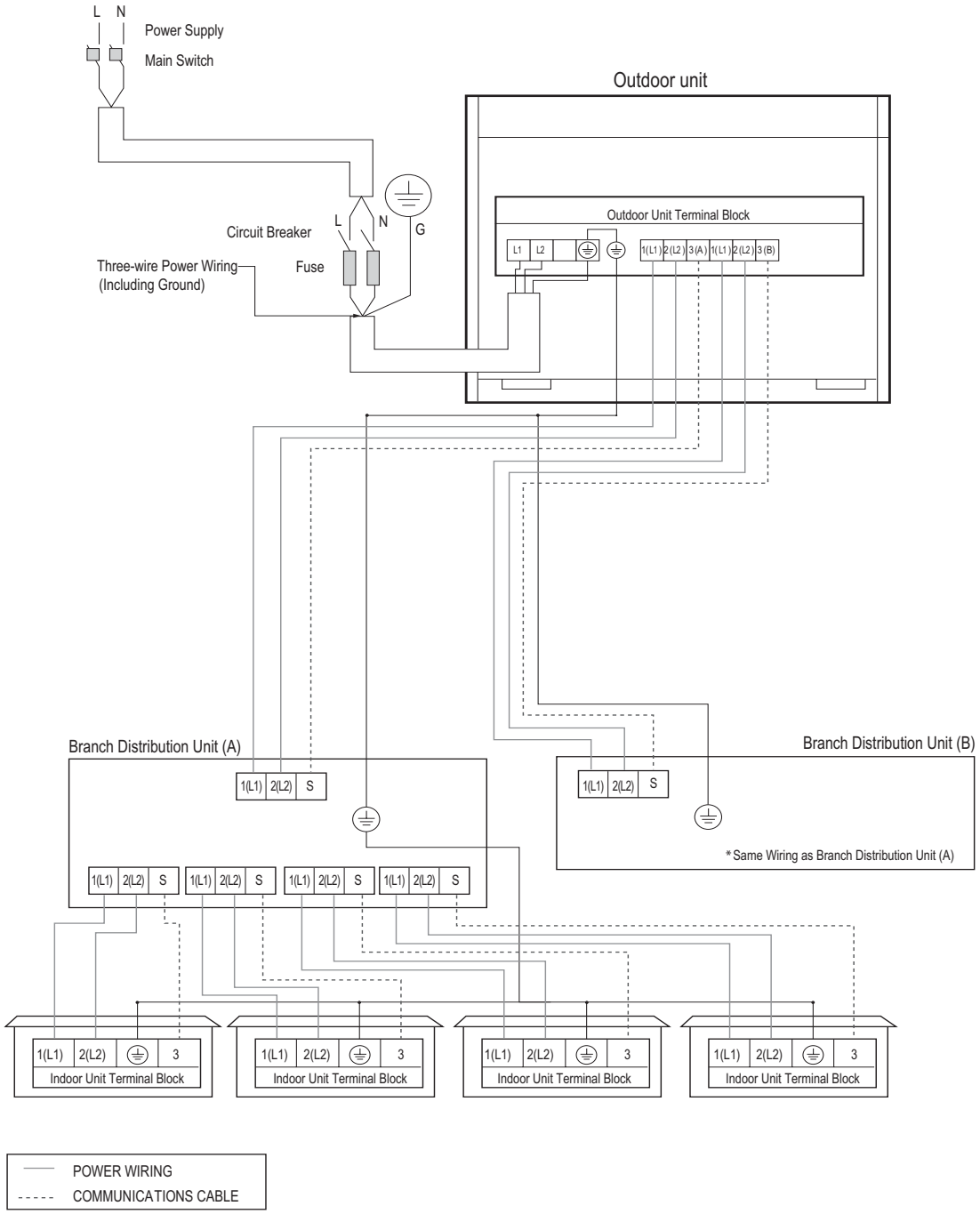
- *All field-supplied wiring, components, and materials should follow national, state, and local codes and requirements.*
- *Use only stranded, shielded copper conductor.*
- *Ground wiring is required to prevent accidental electrical shock during current leakage, communication problems from electrical noise, and motor current leakage. Do not connect the ground line to the pipes.*
- *Install a main shutoff switch or circuit breaker that interrupts all power sources simultaneously.*
- *Wiring cable size must comply with applicable national, state, and local codes.*

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WIRING CONNECTIONS

Power Wiring (208-230V) and Communications Cable Details

Figure 102: Multi F MAX LMU540HV System Power Wiring and Communications Cable.



⚠ WARNING

- *All field-supplied wiring, components, and materials should follow national, state, and local codes and requirements.*
- *Use only stranded, shielded copper conductor.*
- *Ground wiring is required to prevent accidental electrical shock during current leakage, communication problems from electrical noise, and motor current leakage. Do not connect the ground line to the pipes.*
- *Install a main shutoff switch or circuit breaker that interrupts all power sources simultaneously.*
- *Wiring cable size must comply with applicable national, state, and local codes.*

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Communication Cables Between Multiple Indoor Units Operating as a Group (Group Control)

1. If any indoor units were specified to operate in unison, use one (or multiple) three-core Group Control Kit (sold separately) containing extension and Y-splitter cables. One (1) group control cable kit for each indoor unit in the group except for the last indoor unit.

2. Always use an LG provided group control communications cable (Group Control Kit; sold separately) between the indoor unit and the wall-mounted zone controller.

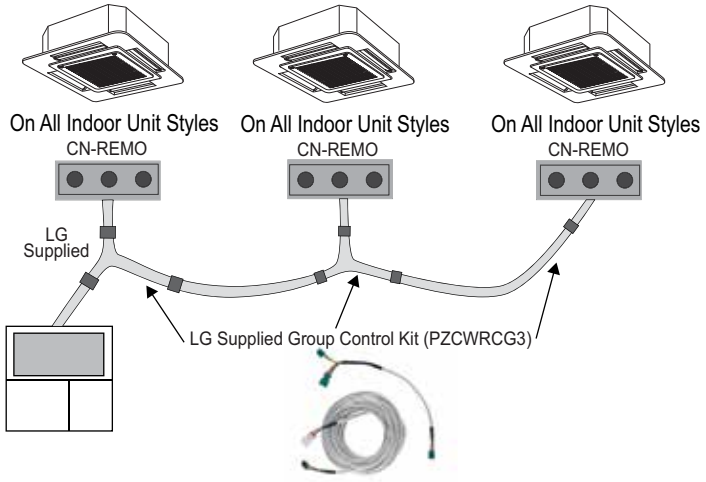
3. NEVER splice, cut, or extend cable length with field provided cable.

4. A maximum of 16 indoor units can be connected to a wired remote controller (maximum wire length: 164 feet). Before running cable, decide which indoor unit will be the “Master;” set the remaining as “Slave.” The zone controller will be connected to the “Master.”

5. Identify each indoor unit operating as a group as “Master” or “Slave”. Adjust the pertinent DIP switch at each indoor unit. On wall mounted indoor unit models, set the assignment using the handheld remote controller.

6. Use a daisy chain configuration and connect all of the group’s indoor units together starting at the “Master” unit.

Figure 103: Indoor Unit Group to Zone Controller Connections.



Note:

Cable connected to Zone Controller is the factory default connection.

General Specifications

- Wired remote controllers can be connected to all indoor unit types.
- Wireless handheld controllers can be used in conjunction with wired remote controllers.
- A dry contact unit can be connected with a central controller simultaneously.
  - The master indoor unit is recognized by the dry contact unit and the central controller.
  - Group Control only available for indoor units manufactured after February 2009.
  - The central controller can control indoor units after setting the address of the master indoor unit only.
  - Slave indoor unit cannot be individually controlled by central controller.
  - Slave indoor unit will operate like master indoor unit.
- If an error occurs with the indoor unit, the error will be displayed on the wired remote controller.
- The following functions are available with group control:
- Selection of operation options (operation/mode/set temperature)
- Control of air flow rate (High/Medium/Low)

Table 191: Accessories Required for Group Control.

Accessory	Model Number	Image
Wired Remote Group Control Cable Assembly - Required for connecting multiple indoor units to a control group	PZCWRCG3	
Wired Remote/Wired Remote Extension Cable - Required for extending the distance between indoor units or remote controllers in a control group	PZCWRC1	

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ACRONYMS

Table 192: Table of Acronyms.

ABS	Acrylonitrile Butadiene Styrene	IAQ	Indoor Air Quality
AC	Air Conditioner	IDU	Indoor Unit
ACP	Advanced Control Platform	IUCF	Indoor Unit Correction Factor
ARI	Air Conditioning and Refrigeration Institute	KTL	Korea Testing Laboratories
ASHRAE	American Society of Heating, Refrigeration, and Air Conditioning	LATS	LG Air Conditioning Technical Solution
AWG	American Wire Gauge	LGAP	LG Air Conditioner Protocol
BDU	Branch Distribution (Unit)	MAT	Mixed Air Temperature
Btu/h	British Thermal Units per hour	MBh	Thousands BTUs per hour
CCR	Corrected Capacity Ratio	MCA	Maximum Circuit Ampacity
CDOA	Coupled Dedicated Outdoor Air	MFS	Maximum Fuse Size
CFM	Cubic Feet per Minute	NEC	National Electrical Code
CR	Combination Ratio	OAT	Outdoor Air Temperature
DB	Dry Bulb	ODU	Outdoor Unit
dB(A)	Decibels with “A” frequency weighting	OUCF	Outdoor Unit Correction Factor
DDOAS	Decoupled Dedicated Outdoor Air	PDI	Power Distribution Indicator
DFS	Duct-Free Split	PI	Power Input
DI	Digital Input	PTAC	Packaged Terminal Air Conditioner
DO	Digital Output	PVE	Polyvinyl Ether
EEV	Electronic Expansion Valve	RAT	Return Air Temperature
ELF	Equivalent Length in Feet	RCL	Refrigerant Concentration Limit
EPDM	Ethylene Propylene Diene M-Class Rubber	SC	Sensible Capacity
ESP	External Static Pressure	TC	Total Capacity
ETL	Electronic Testing Laboratories	VAV	Variable Air Volume
HACR	Heating, Air Conditioning, and Refrigeration	VRF	Variable Refrigerant Flow
H/M/L	High / Medium / Low	VRP	Ventilation Rate Procedure

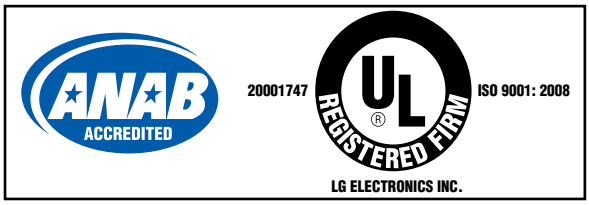
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Commercial Air Conditioning Division
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Alpharetta, Georgia 30009
www.lg-dfs.com

LG Electronics Products Support
1-888-865-3026 USA
Follow the prompts for HVAC products.

DFS-EM-AJ-001-US 014C25
Supersedes DFS-EM-AJ-001-US 014A03
Supersedes DFS-EM-AJ-001-US 013M09
Supersedes DFS-EM-AJ-001-US 013K30

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ENGLISH
FRANÇAIS
ESPAÑOL

OWNER'S &
INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
Please retain this installation manual for future reference after reading it thoroughly.

Simple Wired Remote Controller
PREMTC00U

MFL62862020
Rev.02_042919

www.lg.com

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TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING

This symbol indicates potentially hazardous situation which, if not avoided could result in death or serious injury.

⚠ CAUTION

This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

⚠ WARNING

Installation

- For electrical work, contact the dealer, seller, a qualified electrician, or an authorized service Center.
  - Do not disassemble or repair the product. There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Request to the service center or installation specialty store when reinstalling the installed product.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Do not disassemble, fix, and modify products randomly.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- The product shall be installed according to the national standards and local code.
- Apply totally enclosed noncombustible conduit in case of local building code requiring plenum.
- Use appropriate unit mounting procedures.
- Avoid direct sunlight.
- Avoid moist areas.

In-Use

- Do not place flammable objects close to the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Do not allow product to get wet.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Avoid dropping the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- If product gets wet, contact your dealer or authorized service center.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury. If the instructions are not followed, it may cause death or severe injury of the user.
- Do not use sharp or pointed objects on product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.

• Do not touch or pull the lead wire with wet hands.
- There is risk of product breakdown or electric shock.

⚠ CAUTION

In-use

• Do not clean using powerful detergents like solvent but use soft cloths.
- There is risk of fire, electric shock, explosion, equipment malfunction or deformation.

• Do not press the screen using powerful pressure.
- There is risk of product break-down or malfunction.

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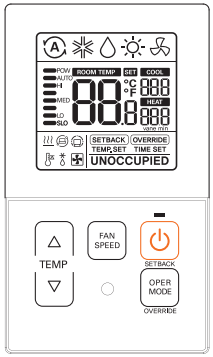
20 **INSTALLER SETTING**

20 How to enter installer setting mode

ENGLISH

DESCRIPTION

Simple wired remote controller

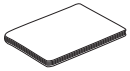


△ ▽	Temperature control button
FAN SPEED	Fan speed button
⏻	On/Off button
OPER MODE	Operation mode select button

Accessories



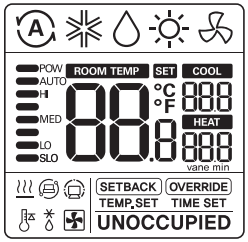
Remote controller fixing screws (2EA)



OWNER'S & INSTALLATION MANUAL

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Icon description



Function	Icon	Description
Operation mode	Ⓐ	**Auto mode** - Product automatically switches between cooling and heating modes.
	❄	**Cooling mode** - Product is running cooling mode.
	💧	**Dehumidification mode** - Product is running dehumidifying mode.
	☀	**Heating mode** - Product is running heating mode.
	🌀	**Fan only operating mode** - Product is running only the fan for ventilation.
Sub function	≋	**Auxiliary heat control** - Product operates Auxiliary Heat Control in heating mode.

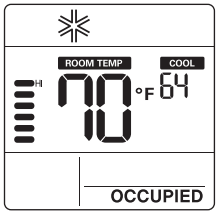
Function	Icon	Description
Temperature	88	**Current temperature** - Display current room temperature.
	COOL 888	**Cooling set point temperature** - Temperature set point for cooling operation.
	HEAT 888	**Heating set point temperature** - Temperature set point for heating operation.
Fan speed	POW AUTO HI MED LO SLO	**Displays current fan speed** **POW :** Fan speed - Power **AUTO :** Fan speed - Auto **HI :** Fan speed - High **MED :** Fan speed - Medium **LO :** Fan speed - Low **SLO :** Fan speed - Weak
Controller mode	SETBACK	**Set back operation mode** - Controller operates set back operation.
	OVERRIDE	**Override mode** - Occupied/Unoccupied state change.
Product state monitoring		Command received from central controller or outdoor unit.
		Slave indoor unit on a heat pump system prevents changing to a mode not compatible with the current outdoor unit mode.
		Outdoor unit running.
		Indoor unit pre-heating operation running.
		Defrost operation running.
Function setting	TIME SET	Override timer setting step.
	TEMP.SET	Setback cooling / heating temperature setting step.
	SET	It is displayed when is setting.

OPERATION INSTRUCTIONS - Standard Operation

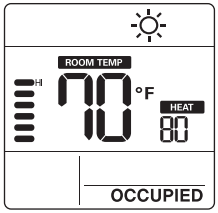
Press [OPER MODE] button several times until the desired mode is selcected.

Whenever pressing the button, the selected operation mode is changed as Auto -> cooling -> Dehumidification -> Heating -> Fan -> Auto··· .

Cooling



Heating



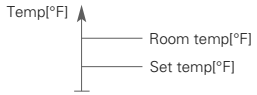
1 Adjust the desired temperature by pressing [△ TEMP ▽] buttons.

NOTE

- **Setting temperature range** is as below.
  - Cooling : 64°F ~ 86°F(18°C ~ 30°C)
    60°F ~ 86°F(16°C ~ 30°C)
    (For some models)
  - Heating : 60°F ~ 86°F(16°C ~ 30°C)
  - ❄ If connecting to indoor unit with dual set point function.
    Cooling : 50 ~ 99 °F (10 ~ 37.5 °C)
    Heating : 40 ~ 90 °F (4 ~ 32 °C)
- **Heating mode** is not available for cooling exclusive models.

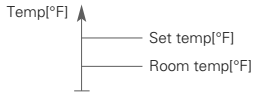
Cooling mode

Set temperature is lower than room temperature.



Heating mode

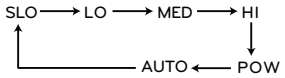
Set temperature is higher than room temperature.



Fan speed

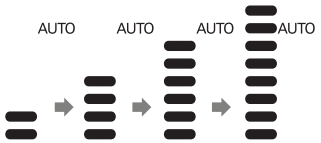
You can simply adjust desired fan speed.

1 Press FAN SPEED button to change fan speed.

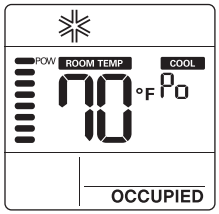


❉ Some fan speed may not operate depending on the product.

❉ AUTO fan speed
- It is displayed as an animation effect like below.



Power cooling

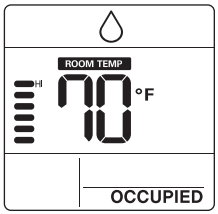


1 Press FAN SPEED button until 'Po' is displayed.

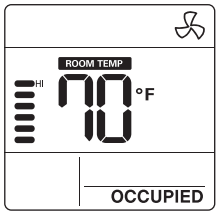
NOTE

- Power cooling quickly lowers the indoor temperature.
  - Desired temperature: 64°F(18°C)
  - Fan speed : Power fan speed
  - Fan direction: Current fan direction
- If fan speed or desired temperature is changed, the power cooling is cleared, and it operates in the cooling operation mode.
- This function may not be supported, depending on the models.

Dehumidification



Fan



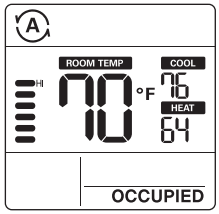
1 Press FAN SPEED button repeatedly to adjust the fan speed.

NOTE

- In dehumidification/fan mode
  - You cannot adjust set temperatures.
  - The menu items of fan speed might not be partially selected depending on the product functions.
- Using dehumidification mode in rainy season or high humidity climates, you can feel dehumidification and cooling mode at the same time.
- Fan mode only circulates the indoor air without changing the room temperature.

Auto operation (Dual set points)

This function automatically manages room temperature based on two types of set temperature(cooling and heating) and provides a comfortable environment.



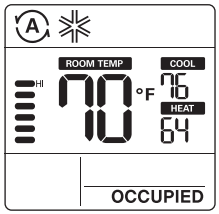
1 Press OPER MODE button to select auto mode(Dual set points control).

2 Press TEMP buttons and then cooling and heating temperature will blink.

3 You can control the blinking temperature by pressing TEMP bottons.

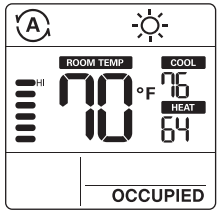
❉ If you want to control each temperature, press OPER MODE botton when temperature icons blink.

Cooling operation state

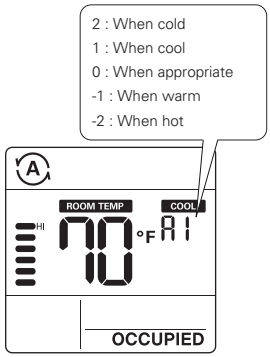


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Heating operation state



For the case of cooling only model, you can adjust the temperature from hot to cold, from "-2" to "2" based on "0".

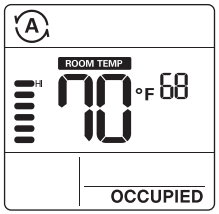


NOTE

- When remote controller has a connection with indoor unit that does not support 'dual setpoint', thermal operation function of indoor unit is replaced with ON/Off control from the wired remote, when the user sets target temperatures in the below ranges.
  - cooling target temp. range : 87~99 °F (30.5~37.5 °C)
  - heating target temp. range : 40~59 °F (4~15.5 °C).

Auto operation (Single set point)

This function automatically manages room temperature based on set temperature and provides a comfortable environment.



1 Press OPER MODE button to select auto mode.

2 Press TEMP buttons and then temperature will blink.

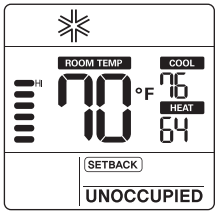
3 You can control the blinking temperature by pressing TEMP bottons.

ENGLISH

OPERATION INSTRUCTIONS - Sub Function

Setback

The setback operation returns to the set temperature until the setback operation is canceled.

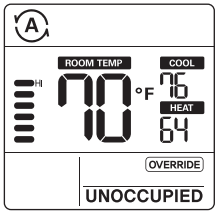


1 Press ⏻ button for 3 seconds, you can operate/cancel setback.

❉ You cannot change the setting in setback operation, except to cancel the mode.
- 'HL' lock is displayed on the window.

Override

The override operation temporarily returns to the set temperature until the override operation is canceled.

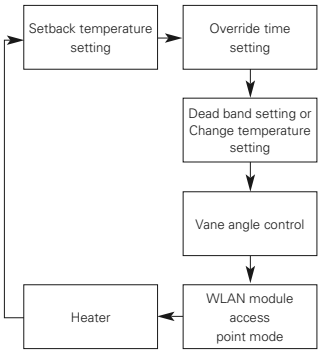


1 Press OPER MODE button for 3 seconds, you can operate/cancel override.

❉ You cannot change the setting in override operation, except to set sub function and cancel the mode.
- 'HL' lock is displayed on the window.
- It is only applied for 'UNOCCUPIED'.

ENGLISH

Press the FAN SPEED button for 3 seconds. You can enter to sub function setting mode and press the FAN SPEED button repeatedly to change the sub function mode in the following order.

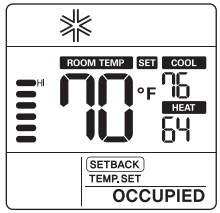


❉ Some functions may not operate depending on the product.

❉ Dead band setting – When it connects with an dual set points control product.
Change temperature – When it connect with single set point control product.

Setting the setback temperature

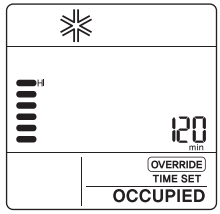
1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the setback mode.
3 Press OPER MODE button to select cool/heat temperature.
4 Press TEMP △ ▽ button to change the temperature.
5 Press ⏻ button to set temperature.
6 Press FAN SPEED button for 3 seconds.



Setting the override time

1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the override mode.
3 Press TEMP △ ▽ button to select override time.
4 Press ⏻ button to set override time.
5 Press FAN SPEED button for 3 seconds.

❉ You can set in units of 30 minutes.

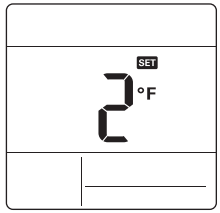


ENGLISH

Dead band (Dual set points)

This function sets the minimum difference between heating and cooling set points.

❉ This function is used in connection with the dual set points control product.

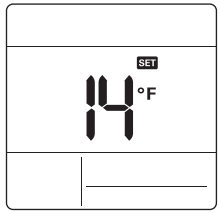


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the dead band mode.
3 Press TEMP △ ▽ button to change the dead band temperature. (0 ~ 10°F/0 ~ 5°C)
4 Press ⏻ button to set temperature.
5 Press FAN SPEED button for 3 seconds.

Change temperature setting (Single set point)

Change temperature is the function to setup air-cooling and heating drive automatically changeable according to the temperature at single set point auto operation mode.

❉ This function is used in connection with the single set point control product.



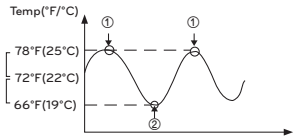
1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the change temperature setting mode.
3 Press TEMP △ ▽ button to change the temperature. (2 ~ 14°F/1 ~ 7°C)
4 Press ⏻ button to set temperature.
5 Press FAN SPEED button for 3 seconds.

Example of using change temperature

Condition
1) Mode: Auto mode
2) Temperature: 72°F(22°C)
3) Change Temperature: 6°F(3°C)

❉ In case of the above conditions, it operates as in the graph.

① : Cooling operation start
② : Heating operation start

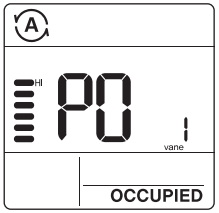


❉ This function may not work in some products.

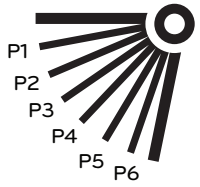
ENGLISH

Vane angle control

This function is to adjust airflow angle.

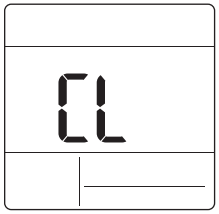


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the vane angle control mode.
3 Press OPER MODE button to select indoor unit vane. (1,2,3,4,All)
4 Press △ TEMP ▽ button to change the vane angle. (P1 ~ P6)
5 Press ⏻ button to set vane angle.
6 Press FAN SPEED button for 3 seconds.



Child lock

It is the function to prevent children or others from careless using.



1 Press △ button and FAN SPEED botton for 3 seconds, you can operate child lock.
2 As for the releasing method, press △ button and FAN SPEED botton for 3 seconds.

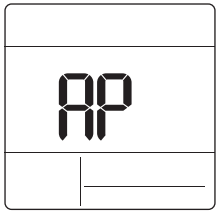
❉ At the time of initial setting of the 'Child Lock', the 'CL' will be indicated approx. 3 seconds at the temperature display section before resuming to the previous mode.

❉ After the setting of the 'CL', if another button is setup, the button can not be recognized as the 'CL' is indicated at the temperature display section for approx. 3 seconds.

WLAN module access point mode

It is the function to operate WLAN (Wireless LAN) module connected to the product in access point mode.

ENGLISH

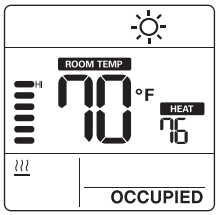


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the WLAN module access point mode.
3 While WLAN module is operating in access point mode, the term of 'AP' blinks on the screen of wired remote controller.
4 Press FAN SPEED button for 3 seconds.

❉ This function is only available for select models that support the WLAN Module.
❉ Refer to the installation manual of indoor unit whether available or not.

Heater

It is the function to reinforce the heating capability by turning on the electric heater during the heating operation.



1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the heater mode.
3 Press ⏻ button to select heater mode 'on/off'
4 Press FAN SPEED button for 3 seconds.

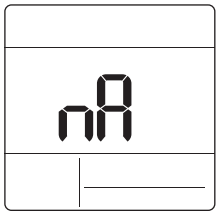
❉ This function may not work in some products.

Mode lock button

This function prevents changes to mode setting.

1 Press ▽ button and FAN SPEED button simultaneously for 3 seconds to use mode lock.

❉ If you press the OPER MODE button while mode lock is in use, the following screen appears.



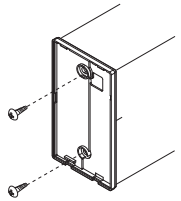
❉ As for the releasing method, press ▽ button and FAN SPEED botton for 3 seconds.

ENGLISH

INSTALLATION INSTRUCTIONS

Installation

1 Please fasten the back plate securely to the wall using the provided screws.
Please ensure to not bend the back plate as this could cause issues with installation.

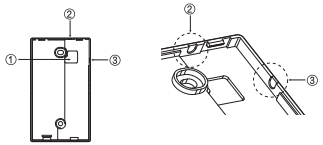


2 There are three different wiring configurations.

① Through the surface of the wall

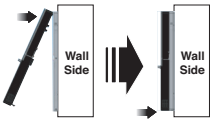
② Upper section of Remote Controller

③ Right section of Remote Controller

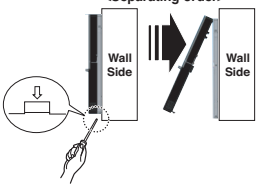


3 **Please secure remote controller upper part into the backplate attached to the surface of the wall, as pictured below, and then, connect with backplate by pressing lower part.**
Please make sure to leave no gaps on the top, bottom, left or right sides between the remote controller and backplate.
Before assembly with the backplate, arrange the Cable not to interfere with circuit parts.
Remove remote controller by inserting a screwdriver into the lower separating holes and twisting to release the controller from backplate.
There are two separating holes. Please individually separate one at a time.
Please be careful not to damage the inside components when separating.

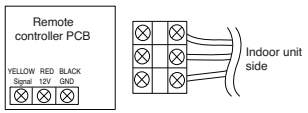
<Connecting order>



<Separating order>



4 Please refer to the following directions when connecting the indoor unit and the wired remote controller together.



ENGLISH

CAUTION

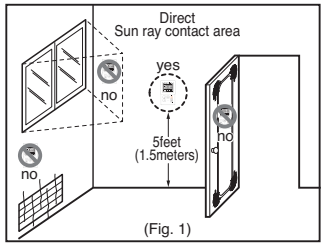
When installing the wired remote controller do not bury it in the wall. (It can cause damage in the temperature sensor.)
Do not exceed 164ft(50m) for cable length.
(It can cause communication error.)
Specification of LG supplied extension cable : AWG 24, 3 conductor or above.
(Model : PZCWRC1)

Remote controller installation

Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature. Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.

Do not install the remote controller where it can be affected by:

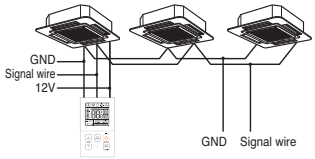
- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with LCD display. For proper display of the remote controller LCD's, the remote controller should be installed properly as shown in Fig.1. (The standard height is 4~5 ft (1.2~1.5 m) from floor level.)



(Fig. 1)

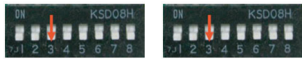
When installing more than 2 units of air conditioner to one Thermostat, please connect as pictured to the right.

- Set one indoor unit to master and the remaining to slave.



When controlling multiple indoor units with one Thermostat, you must change the master/slave setting from the indoor unit.

- Once DIP S/W is set, recycle power. When recycling power, please remain in OFF position for at least 1 minute for new settings to take effect.
- For ceiling type cassette and duct product group, change the switch setting of the indoor PCB.



#3 switch OFF: Master (Factory default setting)

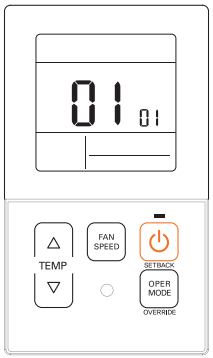
#3 switch ON: Slave

- For wall-mount type and stand type product, change the master/slave setting with the wireless.
Thermostat. (Refer to wireless Thermostat manual for additional information)
When controlling the group, some advanced functions (excluding basic operation setting, fan level Low, med, high, Thermostat lock setting and time setting) may be limited.

ENGLISH

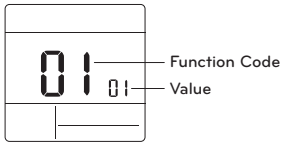
INSTALLER SETTING

How to enter installer setting mode



1 Press △ button and OPER MODE button simultaneously for 3 seconds to enter the installer setting mode.

2 When you enter the setting mode initially, function code is displayed on the LCD screen.



3 Press OPER MODE button to select function code.

4 Press △ TEMP ▽ button to change value.

5 Press ⏻ button to set value.

6 Press △ button and OPER MODE button simultaneously for 3 seconds to exit installer setting mode.

⚠ CAUTION

Installer setting mode is to set the detail function of the remote controller. If the installer setting mode is not set correctly, it can cause problems to the product, user injury or property damage. This must be set by an certificated installer, and any installation or change that is carried out by a non-certificated person should be responsible for the results. In this case, free service cannot be provided.

ENGLISH

<Installer setting code table>

1) General air-conditioner product

Code No.	Function Name	Value	Description
1	Test run mode	00 : Normal operation (Default) 01 : Initiate cooling test mode 02 : Initiate heating test mode	Initiate IDU test mode.
2	Address setting	02 : XX: central control address number (00~FF)	Assign a unique hexadecimal address when used with central controller.
3	E.S.P. function	[Select fan speed] 01 : Slow 02 : Low 03 : Middle 04 : High 05 : Power <Example> 03 255 Function code / Fan speed / E.S.P value E.S.P value : 000~255	Please refer to engineering manual for specific product data. "000" is the number displayed for factory settings. If code3 value(s) are changed from default setting (000) then code5, code6 & code32 values will not be used. Only selected products have five speeds.
4	Temperature sensor setting	01 : Use wired remote controller sensor (Default) 02 : Use indoor unit return sensor 03 : 2TH sensor - Cooling : higher sensor value is used - Heating : lower sensor value is used	Select the thermistor value that will be used to control room temp.
5	Ceiling height	[Ceiling height] 01 : Low 02 : Standard (Default) 03 : High 04 : Very high	Simplified air volume setting for cassette and console product. Select the value that cooresponds to the ceiling height the product is installed at.
6	Static pressure	Zone state - E.S.P standard value 01 : Variable -High 02 : Fixed-High 03 : Variable-Low 04 : Fixed-Low	Simplified air volume setting for ducted product. Select the value that corresponds to the type of duct system attached to the product.
8	Override master/slave setting	00 : Slave unit (Default) 01 : Master unit	This function is available for use with MV HP system. One IDU is selected as a master and will communicate it's mode to the other slave IDUs. The slave IDUs will prohibit/gray out opposite mode selection.
9	Dry contact mode setting	00(Default) : - Input closed = Enable remote - Input open = Stop IDU and disable remote 01 : - Input closed = Start IDU and enable remote - Input open = Stop IDU and disable remote	This function is available for use with simple dry contact.

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Code No.	Function Name	Value	Description
12	Celsius / Fahrenheit switching	00 : Celsius 01 : Fahrenheit (Default)	Celsius or Fahrenheit.
15	Heating thermal on/off setting	0 : Default. Each indoor unit has different value with product type. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/ +2 °F (-1 °C/+1 °C) 4 : -1 °F/ +1 °F (-0.5 °C /+0.5 °C) *Option 4 is available under fahrenheit unit use condition of code12.	It can adjust the heating thermal on / off temperature according to the field environment in preparation for over heating or heating claim.
17	Celsius temperature unit	00 : Celsius 1°C control (Default) 01 : Celsius 0.5°C control	Temperature resolution
18	Emergency heater setting	[Value 1] 00 : Disable emergency heater (Default) 01 : Enable emergency heater [Value 2] 0 : Disable emergency heater in low ambient temperature 1~15 : Enable emergency heater at low ambient temperature 01 : -10F, 02 : -5F, 03 : 0F, 04 : 5F, 05 : 10F 06 : 15F, 07 : 20F, 08 : 25F, 09 : 30F, 10 : 35F 11 : 40F, 12 : 45F, 13 : 50F, 14 : 55F, 15 : 60F [Value 3] 0 : Fan off 1 : Fan on (Fan is off when heater is off)	Setting value 1 enables auxiliary heater to be used when ODU has an error code. Setting value 2 enables ODU to be locked out based on selected outside temperature and enables auxiliary heater to be used. Setting value 3 determines fan operation during thermal on with auxiliary heater.
19	Function setting in group control	00 : Disable extended functions (Default) 01 : Enable extended functions	Standard function : On/Off, Mode, Air flow (Low/Mid/High), Set point, Schedule Extended function: Air angle control(all), Swirl, Air up/down, Air right/left, Energy saving cooling, Fan Auto
20	Plasma purification	00 : Disable 01 : Enable (Default)	It is a function to set whether Plasma purification is enable or not.
21	Auxiliary heat control	00 : Manual heat control disabled 01 : Manual heat control enabled (Default)	This setting allows user to enable/disable the auxiliary heat in sub function menu.
25	External auxiliary heat kit	00 : Not installed 01 : Installed (Default)	This function must be enabled to use external auxiliary heat kit.

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Code No.	Function Name	Value	Description
26	Check indoor unit address number	XX(assigned address)	Display ODU assigned IDU address.
27	Cooling thermal on/off setting	0 : default, +1 °F/-1 °F(+0.5 °C/-0.5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	It can adjust the cooling thermal on / off temperature according to the field environment in preparation for over cooling or cooling claim. *This function available from Gen 4 indoor unit series.
29	Setting for refrigerant leak detector	00 : Not installed (Default) 01 : Installed	Enable this function after installing external refrigerant leakage detection device.
30	SW version	Display remote SW version	Remote SW version
31	Setting temperature range	00 : 60~86°F(16~30°C) (Default) 01 : 40~99°F(4~37.5°C)	If the extended temperature range is set refer to the following. - Cooling 87~99°F (30.5~37.5°C) -> 86°F(30°C). - Heating 40~59°F (4~15.5°C) -> 60°F(16°C). - If set on dual set points, it is changed to the current operation mode(cooling or heating) of the indoor unit.
32	Static pressure step	00 : Use static pressure (code 06) set value (Default) 01~11 : Static pressure step (code 32) set value	If code3 value(s) are changed from their default settings (000) then code32 values will not be used. Extended simplified air volume setting for ducted product.
33	Guard timer	00 : 0 minute 01 : 15 minutes (Default) 02 : 30 minutes 03 : 45 minutes 04 : 60 minutes	Minimum time that must elapse before system can change to opposite mode. (example: change from heat to cool mode)
34	Set point range lock	00 : Disable (Default) 01 : Enable	limits the heating and cooling setpoint range that the user can select. For more detail information see the following instruction
35	Cooling thermal off fan operation	00 : Fan low (Default) 01 : Fan off 02 : Previous fan setting	Set the fan speed operation during cooling thermal off
36	Primary heater control	00 : HP first stage heat (Default) 01 : HP last stage heat	Installer to select heat pump to operate as first or last stage of heat with use of external heat kit.

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Code No.	Function Name	Value	Description
37	Hold enable/Disable	00 : Hold disable (Default) 01 : Hold enable	Prevent or allow user to select hold function.
38	Air conditioner fan operation interlocked with ventilation	00 : Fan low(Default) 01 : Fan off	If cassette has a ventilation kit installed then it is desirable to limit air from flowing through the air filter in a direction opposite of design flow.
39	IDU auto start setting	00 : Enable auto restart (Default) 01 : Disable auto restart	Installer to select if IDU should be on or off after power is restored to IDU.
40	Occupancy duration time setting	00 : 0 minute (Default) 01 : 10 minutes 02 : 30 minutes 03 : 60 minutes	Time that IDU is on after transition to occupied mode.
41	Simple dry contact setting (CN_CC connection)	00 : Simple dry contact auto identification (Default) 01 : Disable the function. 02 : Enable simple dry contact function 03 : Enable simple dry contact function with CN_EXT port	This function is used when simple dry contact unit is additionally installed in the indoor unit or the installed simple dry contact unit is removed.
46	Setting the fan continuous	00 : Not used 01 : Used	It is the function to set the continuous operation of the indoor fan. Even if the room air temperature reaches the set point through the indoor unit operation it is the ability to keep set fan speed longer than does not setting.
47	Outdoor unit function setting master/slave	00 : Outdoor unit function slave 01 : Outdoor unit function master	This function make connected indoor unit as a master indoor unit that can set functions related to outdoor unit operation. Outdoor unit accepts for only one indoor unit that can set functions related to outdoor unit operation.
48	Function of indoor unit silent mode	00 : Not used 01 : Silent mode low 02 : Silent mode high	It is the function to reduce the refrigerant noise occurred at the initial stage of the operation of the indoor unit at the heating mode.
49	Setting the outdoor unit defrost mode	00 : Not used 01 : Forced remove piled snow mode 02 : Fast defrost mode 03 : Forced remove piled snow and fast defrost mode	It is the function to select the defrost or snow remove function of the outdoor unit.
51	Setting temperature-based fan speed 'auto'	00 : Not used 01 : Use temperature-based fan speed 'auto'	Temperature-based fan speed 'auto' function is the function to change the fan speed according to the difference between the room temperature and the set point.

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Code No.	Function Name	Value	Description
52	CN_EXT	00 : Use installer code No. 41 setting value (simple dry contact setting value) 01 : Simple operation on/off 02 : Simple dry contact (It takes HL when operation is off.) 03 : Indoor unit single emergency stop 04 : Occupied / unoccupied 05 : Indoor unit all emergency stop ※ It can be set only when there is indoor unit emergency stop function. 06 : Window contact ※ It can be set only when there is window contact function. 07 : Window contact lock ※ It can be set only when there is window contact lock function.	It is the function to set a purpose of digital input port(CN_EXT) of indoor unit PCB.
56	Outdoor unit cycle priority	<Select mode> < Step > 00 : Not use [Not use, Standby] 01 : Standby None 02 : Cool [Cool] 0~5 Step	It is the function to clear the limit and set the operation mode when it is cleared, to be able to select the operation mode opposite to the operation mode of the outdoor unit currently in operation while the connected product is in slave mode.
57	Outdoor temperature for heating stages	<Select mode> <Setting range> 01 : Use/Not use [Use/Not use] 02 : T1 None 03 : △T [T1 setting range] -10~60°F(-23~16°C) [△T setting range] 0~70°F(0~35°C)	It is a function that sets outdoor temperature values for two stage heating. If user set outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.
61	Room temperature compensation	Compensation temperature setting range : -10°F ~ 10°F(-5°C ~ 5°C)	This function adjusts the room temperature displayed on the product to match the actual room temperature.
64	Air volume control	00 : Default 01 : +10% 02 : -10%	This function is available to change target air volume.
67	Fan setting during thermal off (Occupancy / Operation mode)	<Select mode> 00: Cooling / Occupied 01: Cooling / Unoccupied 02: Heating / Occupied 03: Heating / Unoccupied <Step> 00: Not Used 01: Fan Low 02: Previous fan Setting 03: Fan off	Set the fan speed opreation during thermal off condition according to occupancy and operation mode. This setting has the highest priority to all related fan setting.

❉ Some contents may not be displayed depending on the product function.

Test run mode (Code 1)

After installing the product, you must run a Test run mode.
For details related to this operation, refer to the product manual.

00 : Normal operation (Default)
01 : Initiate cooling test mode
02 : Initiate heating test mode

During the test run, pressing the below button will exit the test run.
- On/Off, temp, fan speed, oper mode button.

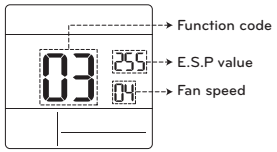
Address setting (Code 2)

Sets the central control address of the indoor unit during the central controller connection.

XX : central control address number (00~FF)

E.S.P. function (Code 3)

Sets the wind amount value corresponding to each wind amount for easy installation.



[Select fan speed] E.S.P value : 000~255
01 : Slow
02 : Low
03 : Middle
04 : High
05 : Power

❉ Press FAN SPEED button to select fan speed or E.S.P value.

NOTE

- Please be careful when adjusting ESP values.
- It does not work to setup ESP value for slow/power step for some products.
- ESP value range is dependent on product.

Temperature sensor setting (Code 4)

Determines if you will use the indoor unit mounted sensor or the remote controller sensor.

<Thermistor table>

Temperature sensor selection			Function
01	Thermostat		Operate according to thermostat temperature sensor
02	Indoor unit		Operate according to indoor unit temperature sensor
03	2TH	Cooling	Operate according to higher temperature by comparing indoor unit's and thermostat's temperature. (There are products that operate at a lower temperature.)
		Heating	Operate according to lower temperature by comparing indoor unit's and thermostat's temperature.

❉ The function of 2TH has different operation characteristics according to the product.

Ceiling height (Code 5)

Controls the fan speed stage according to the ceiling height in the ceiling type product.

<Ceiling height selection table>

Ceiling height level		Description
01	Low	Decrease the indoor airflow rate 1 step from standard level
02	Standard	Set the indoor airflow rate as standard level
03	High	Increase indoor airflow rate 1 step from standard level
04	Very High	Increase indoor airflow rate 2 steps from standard level

❉ Ceiling height setting is only available for some products.
❉ Ceiling height of 'Very high' function may not exist depending on the indoor unit.
❉ Refer to the product manual for more details.

Static pressure (Code 6)

Static pressure setting can be set only in the duct products. (It cannot be set in other products.)

<Static pressure setting table>

Pressure selection		Function	
		Zone state	ESP standard value
01	V-H	Variable	High
02	F-H	Fixed	High
03	V-L	Variable	Low
04	F-L	Fixed	Low

Override master/slave setting (Code 8)

The operation master / slave selection function is to avoid other mode operations, and it is the function to prevent the selection of opposite mode of the indoor unit master by the indoor units set as slaves.

M/S		Description
01	Master	Using group control, this master sets the mode of slave IDU's.
02	Slave	For the indoor unit set as slave, it can only select the some operation mode of the master indoor unit cycle. Ex) Master is in cooling cycle, slave can select cooling, dehumidification, auto, and wind only. Master is in heating cycle, slave can select auto, heating, and wind only.

NOTE

- Override M/S setting function is only available in some products.

Dry contact mode setting (Code 9)

Dry contact function is the function that can be used only when the dry contact devices is separately purchased and installed.

NOTE

- For dry contact mode related detail functions, refer to the individual dry contact manual.
- What is dry contact?
  - It means the contact point signal input when the hotel card key, human body detection sensor, etc. are interfacing with the air conditioner.
  - Added system functionality by using external inputs (dry contacts and wet contacts).

Heating thermal on/off setting (Code 15)

You can adjust the heating on / off temperature according to the field environment in preparation for over heating or heating claim.

Value	Thermal on	Thermal off
0	Default(Different from each product)	
1	8°F(4°C)	12°F(6°C)
2	4°F(2°C)	8°F(4°C)
3	-2°F(-1°C)	2°F(1°C)
4	-1°F(-0.5°C)	1°F(0.5°C)

Emergency heater setting (Code 18)

This function is only available on some products.

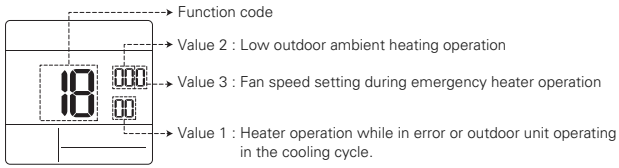
This function will set the emergency heater setting.

Emergency heater is used to heat the space in emergency cases such as heat pump error.

Emergency heat is in place of and does not supplement heat pump.

❉ Emergency heater setting function sets following conditions:

1) Emergency heater operation while in error or outdoor unit operating in the cooling cycle.
2) Emergency heater operation in low outdoor ambient temperature.
3) Fan speed setting during emergency heater operation.



❉ Press FAN SPEED button to value 1, value 2 or value 3.

Value 1

18:00 : Disable emergency heater (Default)
18:01 : Enable emergency heater

When it connect general function indoor unit

Value 2	Enable temperature		Disable temperature	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Not used(Default)			
1	0°F	-18°C	5°F	-15°C
2	5°F	-15°C	10°F	-12°C
3	10°F	-12°C	15°F	-9°C

When it connect extended function indoor unit

Value 2	Enable temperature		Disable temperature	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Not used(Default)			
1	-10°F	-23°C	-5°F	-20°C
2	-5°F	-21°C	0°F	-17°C
3	0°F	-18°C	5°F	-14°C
4	5°F	-15°C	10°F	-11°C
5	10°F	-12°C	15°F	-8°C
6	15°F	-9°C	20°F	-5°C
7	20°F	-7°C	25°F	-2°C
8	25°F	-4°C	30°F	1°C
9	30°F	-1°C	35°F	4°C
10	35°F	2°C	40°F	7°C
11	40°F	4°C	45°F	10°C
12	45°F	7°C	50°F	13°C
13	50°F	10°C	55°F	16°C
14	55°F	13°C	60°F	19°C
15	60°F	16°C	65°F	22°C

Value 3

0 : Fan off
1 : Fan on (Fan is off when heater is off)

CAUTION

This function setting must be carried out by a certified-technician.

Check indoor unit address number (Code 26)

It is the function to verify the indoor unit address designated by the outdoor unit.

Cooling thermal on/off setting (Code 27)

It can adjust the cooling thermal on / off temperature according to the field environment in preparation for over cooling or cooling claim.

Value	Thermal on	Thermal off
0	1°F(0.5°C)	-1°F(-0.5°C)
1	12°F(6°C)	8°F(4°C)
2	8°F(4°C)	4°F(2°C)
3	2°F(1°C)	-2°F(-1°C)

Setting temperature range (Code 31)

This function is used to select the temperature range options.

Value 00 (Default)
- Cooling : 64~86°F(18~30°C)
- Heating : 60~86°F(16~30°C)

Value 01
- Cooling : 64~99°F(18~37.5°C)
- Heating : 40~86°F(4~30°C)

NOTE

- In case of the setting expanded temperature range (set), please note that the setting of the wired remote controller can be altered under below circumstances.
  - In case of cooling at 87~99°F(30.5~37.5°C), it is changed to cooling at 86°F(30°C).
  - In case of heating at 40~59°F(4~15.5°C), it is changed to heating at 60°F(16°C).
  - If set on dual set points, it is changed to the current operation mode(cooling or heating) of the indoor unit.

Static pressure step (Code 32)

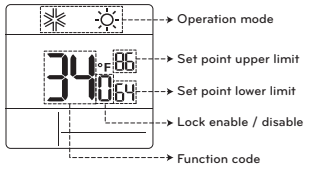
This is the function that static pressure of the product is divided in 11 steps for setting.

00 : Use static pressure(code 06) set value
01~ 11 : Use static pressure step (code 32) set value

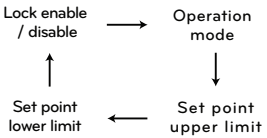
❉ Refer to the product manual for information on each step value.
❉ This function is applied to only duct type.
❉ Setting this in other cases will cause malfunction.

Set point range lock (Code 34)

It is the function that can limit the range of the desired temperature that can be set in the wired remote controller.
When the temperature range is locked, the desired temperature can be set only in the range of the set value. But, the desired temperature value by central control unit or additional accessories reflects the desired temperature received beyond the range.



❉ Press FAN SPEED button to select each function like below.



Indoor unit control method	Code 31	Cooling	Heating
Single set point	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Dual set points	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

ENGLISH

CN_EXT (Code 52)

It is the function to set a purpose of digital input port(CN_EXT) of indoor unit PCB.

Value	Description
00	Use installer code No. 41 setting value (simple dry contact setting value)
01	Simple operation on/off
02	Simple dry contact (It takes HL when operation is off.)
03	Indoor unit single emergency stop
04	Occupied / unoccupied
05	Indoor unit all emergency stop ※It can be set only when there is indoor unit emergency stop function.
06	Window contact ※It can be set only when there is window contact function.
07	Window contact lock ※It can be set only when there is window contact lock function.

Outdoor unit cycle priority (Code 56)

It is the function to clear the limit and set the operation mode when it is cleared, to be able to select the operation mode opposite to the operation mode of the outdoor unit currently in operation while the connected product is in Slave mode.

❉ When you set installer code 08:00 (operation slave), according to the operation status of the outdoor unit, cooling/heating mode selection is restricted.

Value 1 00 : Not use

- According to the outdoor unit operation mode, operation mode selection is limited.

❉ The following operation modes can be selected according to the outdoor unit cycle.

- Cooling cycle: auto, fan, cool, dehumidification
- Heating cycle: auto, fan, heat

Value 1 01 : Standby

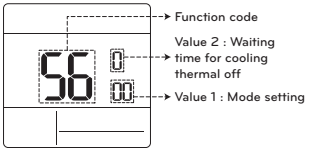
- In case of the operation mode opposite to the outdoor unit operation mode, it maintains the current operation mode. At this time, it maintains thermal off + fan off state.

Value 1 02 : Cool

- Outdoor unit operation has priority in cooling operation. It is the function to enable the heating operation by heater in the product in heating operation.

❉ For heater interface operation, set 'emergency heater setting' and 'auxiliary heater'.

- Emergency heater setting – installer code 18
- Auxiliary heater – installer code 25



❉ Press FAN SPEED button to select value 1 or value 2.

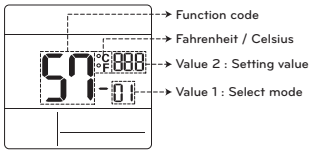
Value 2	Waiting time for cooling thermal off
0	45 minutes (default)
1	30 minutes
2	60 minutes
3	90 minutes
4	120 minutes
5	Not use

ENGLISH

Outdoor temperature for heating stages (Code 57)

It is a function that sets outdoor temperature values for two stages heating. If user sets outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.

❉ When the emergency heater setting is set (installer code 18), emergency heater control operation is performed with priority.



❉ Press FAN SPEED button to select value 1 or value 2.

Value 1	Select mode
1	Use/Not use setting
2	T1 value setting
3	△T value setting

Value 1 : 01

Setting value	Description
0	Not use
1	Use

Value 1 : 02

Temperature unit	T1 setting range
Celsius	-23~16°C
Fahreneit	-10~60°F



[-9°F or higher]

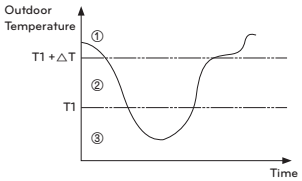


[-10°F or lower]

Value 1 : 03

Temperature unit	△T setting range
Celsius	0~35°C
Fahreneit	0~70°F

Operation according to T1, △T setting and outdoor temperature.



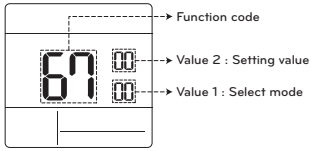
① (T1 +△T < Outdoor temperature) : only heat pump used

② (T1 < Outdoor temperature < T1 + △T) : both heater and heat pump used

③ (Outdoor temperature < T1) : only heater used

Fan setting during thermal off (Occupancy / Operation mode) (Code 67)

Set the fan speed opreation during thermal off condition according to occupancy and operation mode.



<Select mode>	<Step>
00: Cooling / Occupied	00 : Not used
01: Cooling / Unoccupied	01 : Fan low
02: Heating / Occupied	02 : Previous fan setting
03: Heating / Unoccupied	03 : Fan off

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MANUEL D'INSTALLATION ET D'UTILISATION

CLIMATISEUR

Veuillez lire entièrement ce manuel d'installation avant d'installer le produit.
Les travaux d'installation doivent être effectués conformément aux normes de câblage nationales par du personnel autorisé seulement.
Veuillez conserver ce manuel d'installation pour référence ultérieure après l'avoir lu attentivement.

Boîtier de commande à distance câblé simple
PREMTC00U

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CONSEILS POUR ÉCONOMISER DE L'ÉNERGIE

Voici quelques conseils qui vous aideront à réduire la consommation d'énergie lorsque vous utilisez le climatiseur. Vous pouvez utiliser votre climatiseur de manière plus efficace en vous reportant aux directives ci-dessous :

- N'abaissez pas excessivement la température à l'intérieur de votre domicile. Cela peut être dangereux pour votre santé et augmenter la consommation d'électricité.
- Bloquez la lumière du soleil en tirant les stores ou les rideaux lorsque le climatiseur est en marche.
- Gardez les portes et les fenêtres hermétiquement fermées lorsque le climatiseur est en marche.
- Réglez l'orientation du débit d'air verticalement ou horizontalement pour faire circuler l'air intérieur.
- Augmentez la vitesse du ventilateur pour refroidir ou réchauffer rapidement l'air intérieur.
- Ouvrez les fenêtres régulièrement pour aérer les pièces puisque la qualité de l'air intérieur peut se détériorer si le climatiseur est utilisé pendant plusieurs heures.
- Nettoyez le filtre à air une fois toutes les deux semaines. La poussière et les impuretés recueillies dans le filtre à air peuvent bloquer le débit d'air ou diminuer l'efficacité des fonctionnalités de refroidissement et de déshumidification.

Pour vos dossiers

Agrafez votre reçu à cette page au cas où vous en auriez besoin pour fournir une preuve de la date d'achat ou pour les besoins de la garantie. Inscrivez le numéro du modèle et le numéro de série ici :

Numéro du modèle :

Numéro de série :

Vous pourrez trouver ces numéros sur une étiquette située sur le côté de chaque appareil.

Nom du détaillant :

Date d'achat :

CONSIGNES DE SÉCURITÉ IMPORTANTES

LISEZ TOUTES LES CONSIGNES AVANT D'UTILISER L'APPAREIL.

Respectez les précautions suivantes en tout temps pour éviter les situations dangereuses et assurer le rendement optimal de votre produit.

⚠ AVERTISSEMENT

Ce symbole indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, peut entraîner des blessures graves ou la mort.

⚠ MISE EN GARDE

Ce symbole indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures mineures ou modérées.

⚠ AVERTISSEMENTS

Installation

- Pour les travaux d'électricité, contactez le détaillant, le vendeur, un électricien qualifié ou un centre de service agréé.
  - N'essayez pas de démonter ou de réparer le produit. Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Faites une demande au centre de service ou à une boutique spécialisée en installation lors de la réinstallation du produit installé.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- N'essayez pas de démonter, de réparer et de modifier les produits au hasard.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Le produit doit être installé conformément aux normes nationales et aux codes locaux en vigueur.
- Utilisez un conduit non combustible entièrement fermé dans le cas d'un code du bâtiment local exigeant une chambre de distribution.
- Utilisez les procédures adéquates de montage de l'appareil.
- Évitez la lumière directe du soleil.
- Évitez les endroits humides.

Pendant l'utilisation

- Ne placez pas d'objets inflammables à proximité du produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Ne mouillez pas le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Évitez de faire tomber le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.

- Si le produit est mouillé, contactez votre détaillant ou le centre de service agréé.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure. Le non-respect de ces consignes peut entraîner des blessures graves ou la mort de l'utilisateur.
- N'utilisez pas d'objets tranchants ou pointus sur le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Ne touchez pas au fil de sortie et ne tirez pas dessus lorsque vous avez les mains mouillées.
  - Il existe un risque de bris du produit ou de décharge électrique.

⚠ MISES EN GARDE

Pendant l'utilisation

- Ne nettoyez pas l'appareil à l'aide de détergents puissants comme du solvant; utilisez plutôt des chiffons doux.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris ou de déformation de l'équipement.
- N'exercez pas une trop grande pression lorsque vous appuyez sur l'écran.
  - Il existe un risque de bris ou de dysfonctionnement du produit.

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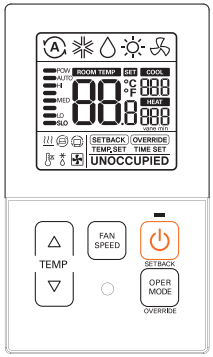
20 **RÉGLAGE DU PROGRAMME D'INSTALLATION**

20 Comment accéder au réglage du programme d'installation

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DESCRIPTION

Boîtier de commande à distance câblé simple

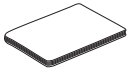


△ ▽	Touche de commande de la température
FAN SPEED	Touche de vitesse du ventilateur
⏻	Touche Marche/Arrêt
OPER MODE	Touche de sélection du mode de fonctionnement

Accessoires



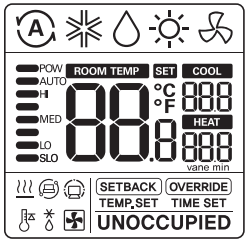
Vis de fixation du boîtier de commande à distance (2 CH.)



Manuel d'installation et d'utilisation

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Description des icônes



Fonctionnalité	Icône	Description
Mode de fonctionnement		**Mode automatique** - Le produit bascule automatiquement entre les modes Chauffage et Refroidissement.
		Mode refroidissement - Le produit fonctionne en mode Refroidissement.
		Mode déshumidification - Le produit fonctionne en mode Déshumidification.
		Mode chauffage - Le produit fonctionne en mode Chauffage.
		Mode de fonctionnement ventilateur seulement - Le produit fonctionne en mode Ventilateur seulement pour la ventilation.
Sous-fonction		**Commande de chauffage auxiliaire** - Le produit exécute la commande de chauffage auxiliaire en mode Chauffage.

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Fonctionnalité	Icône	Description
Température		**Température actuelle** - Affiche la température ambiante actuelle.
		**Point de consigne de la température de refroidissement** - Point de consigne de la température lors du processus de refroidissement.
		**Point de consigne de la température de chauffage** - Point de consigne de la température lors du processus de chauffage.
Vitesse du ventilateur		**Affiche la vitesse actuelle du ventilateur** **POW :** Vitesse du ventilateur – Power (puissante) **AUTO :** Vitesse du ventilateur – Auto(automatique) **HI :** Vitesse du ventilateur – High (élevée) **MED :** Vitesse du ventilateur – Medium (moyenne) **LO :** Vitesse du ventilateur – Low (basse) **SLO :** Vitesse du ventilateur – Slow (lente)
Mode Boîtier de commande		**Mode de fonctionnement Remise au point de consigne** - Le boîtier de commande contrôle la remise au point de consigne.
		Mode Annulation - L'état occupé/Non occupé change.
Surveillance de l'état du produit		Commande reçue du boîtier de commande central ou de l'appareil extérieur.
		L'appareil intérieur esclave est connecté à un système de pompe à chaleur empêche le basculement vers un mode non compatible avec le mode actuel de l'appareil extérieur.
		Appareil extérieur en cours de fonctionnement.
		Processus de préchauffage de l'appareil intérieur en cours d'exécution.
		Processus de dégivrage en cours d'exécution.
Réglage des fonctionnalités	TIME SET	Étape de réglage de la minuterie d'annulation.
	TEMP, SET	Réglage de la température de refroidissement / chauffage.
	SET	Il est affiché quand est le réglage.

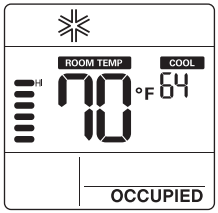
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DIRECTIVES D'UTILISATION – Utilisation Standard

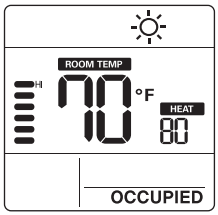
Appuyez sur la touche OPER MODE à plusieurs reprises jusqu'à ce que le mode souhaité soit sélectionné.

Chaque fois que vous appuyez sur la touche, le mode de fonctionnement sélectionné est modifié dans l'ordre suivant : Auto (automatique) -> Cooling (refroidissement) -> Dehumidification (déshumidification) -> Heating (chauffage) -> Fan (ventilateur) -> Auto (automatique).

Refroidissement



Chauffage



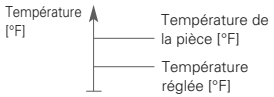
1 Réglez la température désirée en appuyant sur les touches △ TEMP ▽.

REMARQUES

- Le **réglage de la plage de température** s'effectue comme il est indiqué ci-dessous.
  - Refroidissement :
    64 °F ~ 86 °F(18 °C ~ 30 °C)
    60 °F ~ 86 °F(16 °C ~ 30 °C)
    (Sur certains modèles)
  - Chauffage :
    60 °F ~ 86 °F(16 °C ~ 30 °C)
    ❉ S'il y a connexion à l'appareil intérieur au moyen d'une fonctionnalité à point de consigne double.
    Refroidissement :
    50 ~ 99 °F (10 ~ 37.5 °C)
    Chauffage : 40 ~ 90 °F (4 ~ 32 °C)
- Le mode **Chauffage** n'est pas offert pour les modèles de climatiseur avec fonction de refroidissement seulement.

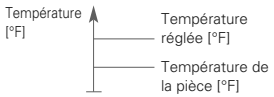
Mode Refroidissement

La température réglée est inférieure à la température de la pièce.



Mode Chauffage

La température réglée est supérieure à la température de la pièce.

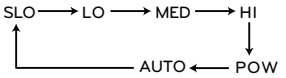


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Vitesse du ventilateur

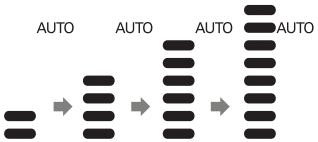
Vous pouvez simplement régler la vitesse de ventilateur désirée.

1 Appuyez sur la touche [FAN SPEED] pour modifier la vitesse du ventilateur.

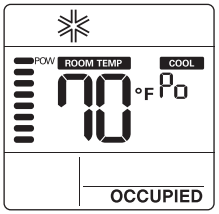


❉ Certaines vitesses du ventilateur peuvent ne pas fonctionner selon le produit.

❉ Vitesse du ventilateur AUTOMATIQUE
- La vitesse s'affiche avec un effet d'animation comme il est illustré ci-dessous.



Refroidissement puissant

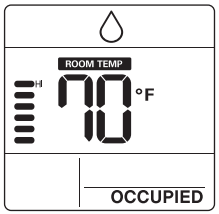


1 Appuyez sur la touche [FAN SPEED] jusqu'à ce que « Po » (refroidissement puissant) s'affiche.

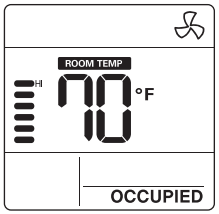
REMARQUES

- Le refroidissement puissant abaisse rapidement la température intérieure.
  - Température souhaitée : 64 °F(18 °C)
  - Vitesse du ventilateur : Vitesse du ventilateur puissante
  - Orientation du ventilateur : Orientation actuelle du ventilateur
- Si la vitesse du ventilateur ou la température désirée est modifiée, la fonctionnalité Refroidissement puissant s'annule et l'appareil passe en mode Refroidissement.
- Cette fonctionnalité peut ne pas être prise en charge, selon les modèles.

Déshumidification



Ventilateur



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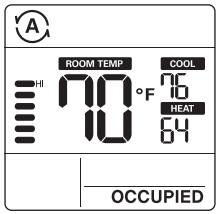
1 Appuyez sur la touche [FAN SPEED] à plusieurs reprises pour régler la vitesse du ventilateur.

REMARQUES

- En mode Déshumidification/Ventilateur
  - Vous ne pouvez pas modifier les températures réglées.
  - Il est possible que certains éléments du menu de la vitesse du ventilateur ne puissent pas être sélectionnés selon les fonctionnalités du produit.
- Pendant la saison des pluies ou dans des climats où l'humidité est élevée, vous pouvez utiliser le mode Déshumidification et le mode Refroidissement simultanément.
- Le mode Ventilateur fait circuler l'air intérieur seulement sans changer la température de la pièce.

Fonctionnement automatique (Point de consigne double)

Cette fonctionnalité gère automatiquement la température ambiante selon deux types de température réglée (refroidissement et chauffage) et permet de rendre la pièce plus confortable.



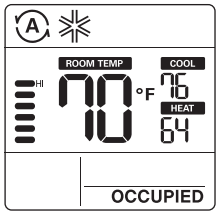
1 Appuyez sur la touche [OPER MODE] pour sélectionner le mode Automatique (commande à deux points de consigne).

2 Appuyez sur les touches [TEMP] ; les icônes de la température de refroidissement et de la température de chauffage vont clignoter.

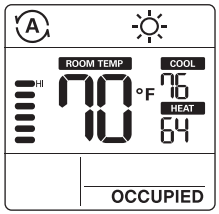
3 Vous pouvez régler la température dont l'icône clignote en appuyant sur les touches [TEMP].

❉ Si vous souhaitez régler chaque température, appuyez sur la touche [OPER MODE] lorsque les icônes de température clignotent.

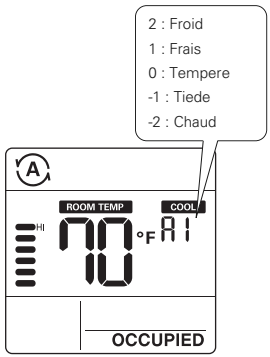
Fonctionnement en mode refroidissement



Fonctionnement en mode chauffage



Dans le cas du refroidissement seul, vous pouvez ajuster la température de chaud à froid, autrement dit de "-2" à "2", "0" étant le juste milieu.



REMARQUES

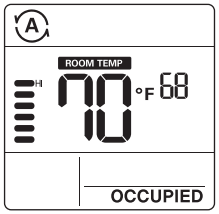
- Lorsque le boîtier de commande à distance établit une connexion avec un appareil intérieur qui ne prend pas en charge le « point de consigne double », la fonctionnalité de commande thermique de l'appareil intérieur est remplacée par la commande Marche/Arrêt du boîtier de commande câblé, lorsque l'utilisateur règle la température cible dans les plages indiquées ci-dessous.

  Plage de température cible de refroidissement : 87 °F ~ 99 °F (30,5 °C ~ 37,5 °C)

  Plage de température cible de chauffage : 40 °F ~ 59 °F (4 °C ~ 15,5 °C)

Fonctionnement automatique (Point de consigne simple)

Cette fonctionnalité gère automatiquement la température ambiante selon la température réglée et permet de rendre la pièce plus confortable.



1 Appuyez sur la touche OPER MODE pour sélectionner le mode Automatique.

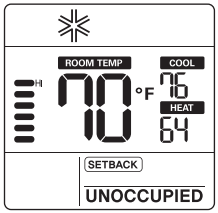
2 Appuyez sur les touches ; les la température vont clignoter.

3 Vous pouvez contrôler la température dont l'icône clignote en appuyant sur les touches .

DIRECTIVES D'UTILISATION – Sous-Fonctions

Remise au point de consigne

Le mode Remise au point de consigne permet de revenir à la température réglée jusqu'à ce que le mode Remise au point de consigne soit annulé.

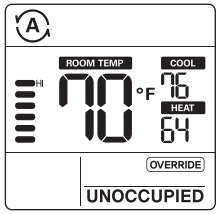


1 Appuyez sur la touche pendant 3 secondes, ce qui vous permettra de démarrer ou d'annuler la remise au point de consigne.

❉ Vous ne pouvez pas modifier les réglages pendant l'exécution de la remise au point de consigne, sauf pour annuler le mode.
- Le verrouillage « HL » s'affiche sur la fenêtre.

Annulation

Le mode Annulation permet de retourner temporairement à la température réglée jusqu'à ce que le mode Annulation soit annulé.

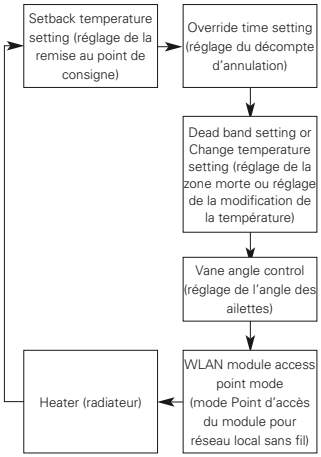


1 Appuyez sur la touche OPER MODE pendant 3 secondes, ce qui vous permettra de démarrer ou d'annuler l'annulation.

❉ Vous ne pouvez pas modifier les réglages pendant que le mode Annulation est en marche, sauf pour régler une sous-fonction ou pour annuler le mode.
- Le verrouillage « HL » s'affiche sur la fenêtre.
- Cela ne s'applique que pour « UNOCCUPIED » (non occupé).

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Appuyez sur la touche [FAN SPEED] pendant 3 secondes. Après avoir accédé au mode Réglage des sous-fonctions, vous pouvez appuyer sur la touche [FAN SPEED] à plusieurs reprises pour modifier le mode Sous-fonctions dans l'ordre suivant :

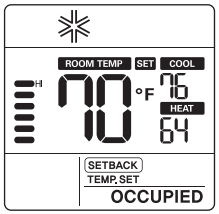


❉ Certaines fonctionnalités peuvent ne pas fonctionner selon le produit.

❉ Réglage de la zone morte – Lorsque l'appareil se connecte à un produit à commande à deux points de consigne. Modifier la température – Lorsque l'appareil se connecte à un produit à commande à un point de consigne.

Réglage de la température de remise au point de consigne

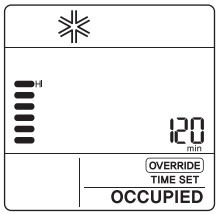
1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Remise au point de consigne.
3 Appuyez sur la touche [OPER MODE] pour sélectionner la température de refroidissement ou de chauffage.
4 Appuyez sur la touche [TEMP △ ▽] pour modifier la température.
5 Appuyez sur la touche [⏻] pour régler la température.
6 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.



Réglage du décompte d'annulation

1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Annulation.
3 Appuyez sur la touche [TEMP △ ▽] pour sélectionner le décompte d'annulation.
4 Appuyez sur la touche [⏻] pour régler la decompte d'annulation.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

❉ Vous pouvez régler le décompte d'annulation par tranche de 30 minutes.

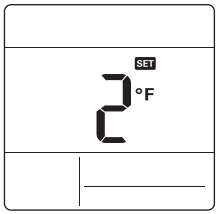


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Zone morte (Point de consigne double)

Cette fonctionnalité règle la différence minimale entre les points de consigne de chauffage et de refroidissement.

❉ Cette fonctionnalité est utilisée conjointement aux produits à commande à deux points de consigne.

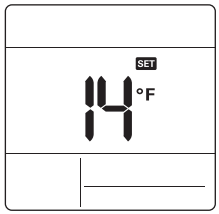


1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Zone morte.
3 Appuyez sur la touche [TEMP △ ▽] pour modifier la température de la zone morte. (0 ~ 10 °F/0 ~ 5 °C)
4 Appuyez sur la touche [⏻] pour régler la température.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

Modification du réglage de la température (Point de consigne simple)

La fonctionnalité Modification du réglage de la température permet de régler la modification automatique du refroidissement et du chauffage de l'air conformément à la température du mode de fonctionnement Automatique à un point de consigne.

❉ Cette fonctionnalité est utilisée conjointement aux produits à commande à un seul point de consigne.



1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Modification du réglage de la température.
3 Appuyez sur la touche [TEMP △ ▽] pour modifier la température. (2 ~ 14 °F/1 ~ 7 °C)
4 Appuyez sur la touche [⏻] pour régler la température.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

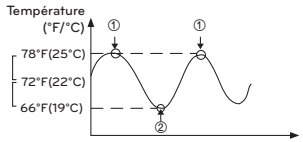
<u>Exemple d'utilisation du mode Modification de la température</u>

Condition

1) Mode : Mode Automatique
2) Température : 72 °F(22 °C)
3) Modification de la température : 6 °F(3 °C)

❉ Dans les conditions ci-dessus, l'appareil fonctionnera comme il est illustré dans le graphique.

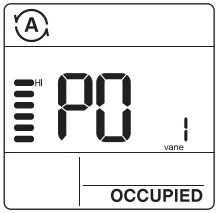
① : Le processus de refroidissement se met en marche.
② : Le processus de chauffage se met en marche.



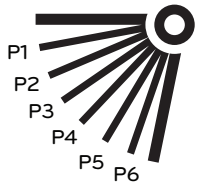
❉ Cette fonctionnalité peut ne pas fonctionner sur certains produits.

Réglage de l'angle des ailettes

Cette fonctionnalité permet de régler l'angle du débit d'air.

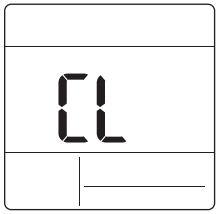


1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Réglage de l'angle des ailettes.
3 Appuyez sur la touche OPER MODE pour sélectionner les ailettes de l'appareil intérieur. (1, 2, 3, 4, All [toutes])
4 Appuyez sur la touche TEMP △ ▽ pour modifier l'angle des ailettes. (P1 à P6)
5 Appuyez sur la touche ⏻ pour régler la l'angle des ailettes.
6 Appuyez sur la touche FAN SPEED pendant 3 secondes.



Verrouillage de sécurité

Cette fonctionnalité empêche les enfants ou d'autres personnes d'utiliser l'appareil de façon inadéquate.



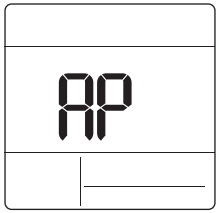
1 Appuyez sur la touche △ et la touche FAN SPEED pendant 3 secondes pour activer le verrouillage de sécurité.
2 Pour désactiver le verrouillage de sécurité, appuyez sur la touche △ et la touche FAN SPEED pendant 3 secondes.

❉ Au moment du réglage initial du verrouillage de sécurité, les lettres « CL » (verrouillage de sécurité) s'affichent pendant environ 3 secondes à l'écran de température avant de revenir au mode précédent.

❉ Après le réglage du verrouillage de sécurité, si une autre touche est enfoncée, celle-ci ne sera pas reconnue puisque les lettres « CL » (verrouillage de sécurité) s'affichent à l'écran de température pendant environ 3 secondes.

Mode Point d'accès au module pour réseau local sans fil

Cette fonctionnalité permet d'utiliser le module du réseau local sans fil connecté au produit en mode Point d'accès.



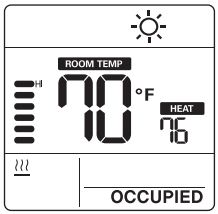
1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Point d'accès au module pour réseau local sans fil.
3 Alors que le module pour réseau local sans fil fonctionne en mode Point d'accès, les lettres « AP » (point d'accès) clignotent sur l'écran du boîtier de commande à distance câblé.
4 Appuyez sur la touche FAN SPEED pendant 3 secondes.

❉ Cette fonctionnalité est offerte sur certains modèles afin de pouvoir utiliser le module pour réseau local sans fil.

❉ Reportez-vous au manuel d'installation du Appareil intérieur, que la fonctionnalité soit offerte ou non.

Radiateur

Cette fonctionnalité permet de renforcer la capacité de chauffage en allumant le radiateur électrique pendant le processus de chauffage.



1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Radiateur.
3 Appuyez sur la touche ⏻ pour sélectionner Marche /Arrêt en mode Radiateur.
4 Appuyez sur la touche FAN SPEED pendant 3 secondes.

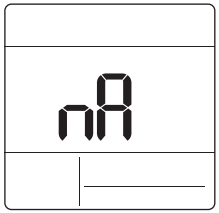
❉ Cette fonctionnalité peut ne pas fonctionner sur certains produits.

Touche de verrouillage du mode

Cette fonctionnalité empêche la modification du mode réglé.

1 Appuyez simultanément sur la touche ▽ et la touche FAN SPEED pendant 3 secondes pour verrouiller le mode.

❉ Si vous appuyez sur la touche OPER MODE pendant que le verrouillage du mode est activé, l'écran suivant apparaît.



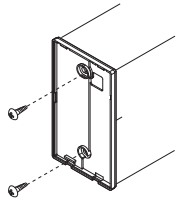
❉ Pour désactiver le verrouillage du mode, appuyez sur la touche ▽ et la touche FAN SPEED pendant 3 secondes.

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DIRECTIVES D'INSTALLATION

Installation

1 Veuillez fixer la plaque arrière solidement sur le mur à l'aide des vis fournies.
Veuillez vous assurer de ne pas plier la plaque arrière, car cela pourrait entraîner des problèmes lors de l'installation.

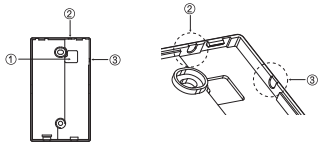


2 Il existe trois différentes configurations de câblage.

① À travers la surface du mur

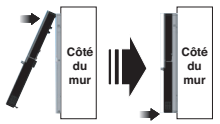
② À l'aide de la partie supérieure du boîtier de commande à distance

③ À l'aide de la partie droite du boîtier de commande à distance

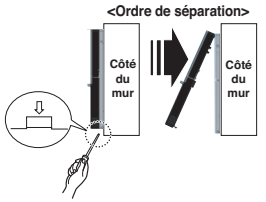


3 **Veuillez fixer la partie supérieure du boîtier de commande à distance sur la plaque arrière fixée à la surface du mur, comme il est illustré sur l'image ci-dessous, puis faites la connexion avec la plaque arrière en appuyant sur la partie inférieure.**
Veuillez vous assurer de ne laisser aucun espace en haut, en bas, à gauche ou à droite entre le boîtier de commande à distance et la plaque arrière. Avant d'effectuer l'assemblage avec la plaque arrière, placez le câble de façon à ce qu'il n'interfère pas avec les pièces du circuit.
Retirez le boîtier de commande à distance en insérant un tournevis dans les trous de séparation inférieurs et en effectuant un mouvement de torsion pour retirer le boîtier de commande de la plaque arrière.
Il y a deux trous de séparation. Veuillez les séparer un à la fois. Veillez à ne pas endommager les composantes intérieures lors du processus de séparation.

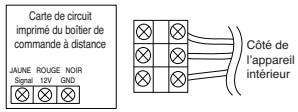
<Ordre de connexion>



<Ordre de séparation>



4 Veuillez suivre les directives suivantes lorsque vous connecterez le boîtier de commande à distance à l'appareil intérieur.



FRANÇAIS

⚠ MISES EN GARDE

Lors de l'installation du boîtier de commande à distance câblé, ne le confinez pas dans le mur. (Cela peut endommager le capteur de température.)

N'installez pas de câble de 164 pi (50 m) ou plus. (Cela peut entraîner des erreurs de communication.)

Données techniques du câble de rallonge fourni par LG : AWG 24, 3 conducteurs ou plus.

(Modèle : PZCWRC1)

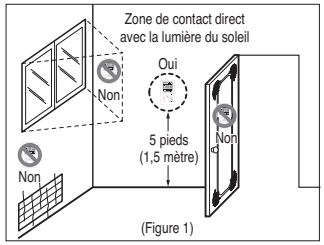
Installation du boîtier de commande à distance

Puisque le capteur de température de la pièce se trouve dans le boîtier de commande à distance, le caisson du boîtier de commande à distance doit être installé dans un endroit à l'abri de la lumière directe du soleil, d'une humidité élevée et d'un débit direct d'air froid afin de maintenir la pièce à la bonne température.

Installez le boîtier de commande à distance à environ 5 pi (1,5 m) au-dessus du sol, dans un endroit doté d'une bonne circulation d'air à une température moyenne.

N'installez pas le boîtier de commande à distance là où il peut être affecté par :

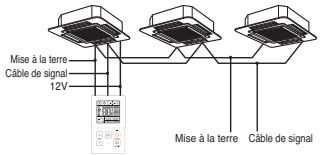
- Des courants d'air ou des zones mortes derrière les portes et dans les coins.
- L'air chaud ou froid des conduits.
- La chaleur rayonnante du soleil ou d'autres appareils.
- Les cheminées et les tuyaux dissimulés.
- Les zones non contrôlées comme un mur extérieur derrière le boîtier de commande à distance.
- Le boîtier de commande à distance est doté d'un écran ACL. Pour un affichage adéquat de l'écran ACL du boîtier de commande, ce dernier doit être correctement installé, comme il est illustré à la figure 1. (La hauteur standard est de 4 à 5 pi (1,2 à 1,5 m) au-dessus du niveau du sol.)



(Figure 1)

Lors de l'installation de plus de deux climatiseurs sur un même thermostat, veuillez effectuer la connexion comme il est illustré à droite.

- Réglez un appareil intérieur sur maître et les autres sur esclave.



Lorsqu'un seul thermostat contrôle plusieurs appareils intérieurs, vous devez changer le réglage maître/esclave à partir de l'appareil intérieur.

- Une fois que le commutateur DIP est réglé, redémarrez l'appareil. Lorsque vous redémarrez l'appareil, veuillez le laisser en position OFF (arrêt) pendant au moins 1 minute afin que les nouveaux réglages entrent en application.
- En ce qui concerne les produits à cassette et à conduit pour installation au plafond, veuillez modifier le réglage du commutateur de la carte de circuit imprimé intérieure.



N° 3 Commutateur à OFF (arrêt) : Maître (valeurs d'usine)



N° 3 Commutateur à ON (marche) : Esclave

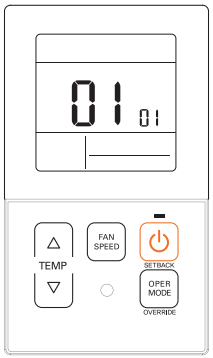
- En ce qui concerne les produits à fixation murale et à fixation sur pied, modifiez le réglage maître/esclave à l'aide du thermostat sans fil. (Reportez-vous au manuel du thermostat sans fil pour plus de détails.)

Lorsqu'un groupe de produits est contrôlé, certaines fonctionnalités avancées (à l'exclusion du réglage des fonctionnalités de base, des différentes vitesses du ventilateur [faible, moyenne et élevée], du réglage de verrouillage du thermostat et du réglage du décompte) peuvent être limitées.

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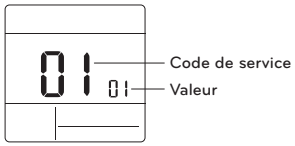
RÉGLAGE DU PROGRAMME D'INSTALLATION

Comment accéder au réglage du programme d'installation



1 Appuyez simultanément sur la touche △ et la touche OPER MODE pendant 3 secondes pour accéder au mode Réglage du programme d'installation.

2 Lorsque vous accédez pour la première fois au mode de réglage, le code de service s'affiche sur l'écran ACL.



3 Appuyez sur la touche OPER MODE pour sélectionner le code de service.

4 Appuyez sur la touche △ TEMP ▽ pour modifier la valeur.

5 Appuyez sur la touche ⏻ pour régler la valeur.

6 Appuyez simultanément sur la touche △ et la touche OPER MODE pendant 3 secondes pour quitter le mode Réglage du programme d'installation.

⚠ MISE EN GARDE

Le mode Réglage du programme d'installation permet de régler la fonctionnalité Détail du boîtier de commande à distance. Si le mode Réglage du programme d'installation n'est pas réglé correctement, cela peut causer des problèmes au produit, blesser l'utilisateur ou entraîner des dommages matériels. Le programme doit être réglé par un installateur certifié. Les conséquences de toute installation ou modification effectuée par une personne non certifiée relèveront de la responsabilité de celle-ci. Dans un tel cas, le service ne peut être fourni gratuitement.

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<Tableau des codes de réglage de l'installateur>

1) Produit de climatisation général

N° de code	Nom de la fonctionnalité	Valeur	Description
1	Mode Test	00 : Fonctionnement normal (par défaut) 01 : Démarre le mode Test de refroidissement. 02 : Démarre le mode Test de chauffage.	Démarre le mode Test de l'appareil intérieur
2	Réglage de l'adresse	02 : XX : numéro d'adresse du boîtier de commande centralisé (00 à FF)	Attribue une adresse hexadécimale unique lorsqu'utilisée avec un boîtier de commande centralisé.
3	Fonctionnalité E.S.P.	[Sélection de la vitesse du ventilateur] 01 : Slow (lente) 02 : Low (basse) 03 : Middle (moyenne) 04 : High (élevée) 05 : Power (puissante) <Exemple> 03 255 (Code de service / Valeur de E.S.P. / Vitesse du ventilateur) Valeur de E.S.P. : 000 à 255	Veuillez vous reporter au manuel d'ingénierie pour les données spécifiques d'un produit. « 000 » est le numéro affiché pour les valeurs d'usine. Si la valeur code3 est modifiée dans les réglages par défaut (000), alors les valeurs code5, code6 et code32 ne seront pas utilisées. Seuls certains produits possèdent cinq vitesses.
4	Réglage du capteur de température	01 : Utilise le capteur du boîtier de commande à distance câblé (par défaut). 02 : Utilise le capteur de retour de l'appareil intérieur. 03 : Capteur à 2 thermostats - Refroidissement : une valeur de capteur supérieure est utilisée - Chauffage : une valeur de capteur inférieure est utilisée	Sélectionne la valeur de thermistor qui sera utilisée pour contrôler la température de la pièce.
5	Hauteur de plafond	[Hauteur de plafond] 01 : Low (basse) 02 : Standard (par défaut) 03 : High (élevée) 04 : Very high (très élevée)	Réglage du volume d'air simplifié pour les produits à cassette et à console Sélectionnez la valeur qui correspond à la hauteur du plafond sur lequel le produit est installé.
6	Pression statique	État de la zone – Valeur standard de E.S.P. 01 : Variable – Élevée 02 : Fixe – Élevée 03 : Variable – Basse 04 : Fixe – Basse	Réglage du volume d'air simplifié pour les produits à conduit d'air Sélectionne la valeur qui correspond au type de système à conduit d'air fixé au produit.
8	Annulation du réglage maître/esclave	00 : Appareil esclave (par défaut) 01 : Appareil maître	Cette fonctionnalité est offerte pour une utilisation avec le système MV HP. Un appareil intérieur est sélectionné comme maître et communiquera son mode aux autres appareils intérieurs esclaves. Les appareils intérieurs esclaves vont empêcher la sélection de modes opposés ou les griser.
9	Réglage du mode Contact sec	00 (par défaut) : - Entrée fermée = Active le boîtier de commande - Entrée ouverte = Arrête l'appareil intérieur et désactive le boîtier de commande. 01 : - Entrée fermée = Démarre l'appareil intérieur et active le boîtier de commande. - Entrée ouverte = Arrête l'appareil intérieur et désactive le boîtier de commande.	Cette fonctionnalité peut être utilisée avec le contact sec simple.

N° de code	Nom de la fonctionnalité	Valeur	Description
12	Basculement Fahrenheit/Celsius	00 : Celsius 01 : Fahrenheit (par défaut)	Celsius ou Fahrenheit
15	Réglage du chauffage thermique sur Marche/Arrêt	0 : Par défaut. Chaque appareil intérieur a une valeur différente selon le type de produit. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/+2 °F (-1 °C/+1 °C) 4 : -1 °F/+1 °F (-0,5 °C/+0,5 °C) * L'option 4 est offerte sous condition d'utilisation de l'appareil en Fahrenheit selon la valeur code12.	Cette option permet de régler la température de chauffage thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un surchauffage ou d'une demande de chauffage.
17	Température en degrés Celsius de l'appareil	00 : Contrôle des degrés Celsius par tranche de 1 °C (par défaut) 01 : Contrôle des degrés Celsius par tranche de 0,5 °C	Résolution de la température
18	Réglage du radiateur d'urgence	[Valeur 1] 00 : Désactive le radiateur d'urgence (par défaut). 01 : Active le radiateur d'urgence. [Valeur 2] 0 : Désactive le radiateur d'urgence dans des conditions de température ambiante basse. 1 à 15 : Active le radiateur d'urgence dans des conditions de température ambiante basse. 01 : -10 °F, 02 : -5 °F, 03 : 0 °F, 04 : 5 °F, 05 : 10 °F 06 : 15 °F, 07 : 20 °F, 08 : 25 °F, 09 : 30 °F, 10 : 35 °F 11 : 40 °F, 12 : 45 °F, 13 : 50 °F, 14 : 55 °F, 15 : 60 °F [Valeur 3] 0 : Ventilateur éteint 1 : Ventilateur en marche (le ventilateur est éteint lorsque le radiateur est éteint.)	La valeur de réglage 1 permet au radiateur auxiliaire d'être utilisé lorsque l'appareil extérieur affiche un code d'erreur. La valeur de réglage 2 permet à l'appareil extérieur de se verrouiller selon la température extérieure sélectionnée et permet au radiateur auxiliaire d'être utilisé. La valeur de réglage 3 détermine le fonctionnement du ventilateur lorsque le chauffage thermique est en marche sur le radiateur auxiliaire.
19	Réglage des fonctionnalités de commande groupée	00 : Désactive les fonctionnalités étendues (par défaut). 01 : Active les fonctionnalités étendues.	Fonctionnalités standards : Marche/Arrêt, Mode, Débit d'air (bas/moyen/élevé), Réglage du point de consigne, Horaire Fonctionnalités étendues : Réglage de l'angle de l'air (tous), Tourbillon, Air en haut/bas, Air à droite/gauche, Refroidissement écoénergétique, Ventilateur automatique
20	Purification du plasma	00 : Désactive 01 : Active (par défaut)	Cette fonctionnalité permet d'activer ou de désactiver la purification du plasma.
21	Commande de chauffage auxiliaire	00 : Commande manuelle de chauffage désactivée 01 : Commande manuelle de chauffage activée (par défaut)	Ce réglage permet d'activer ou de désactiver le chauffage auxiliaire dans le menu des sous-fonctions.
25	Ensemble de chauffage auxiliaire externe	00 : Non installé 01 : Installé (par défaut)	Cette fonctionnalité doit être activée pour utiliser l'ensemble de chauffage auxiliaire externe.

N° de code	Nom de la fonctionnalité	Valeur	Description
26	Vérifiez le numéro d'adresse de l'appareil intérieur.	XX (adresse attribuée)	Permet d'afficher l'adresse de l'appareil intérieur attribuée à l'appareil extérieur.
27	Réglage Marche/Arrêt du refroidissement thermique	0 : par défaut, +1 °F/-1 °F (+0,5 °C/-0,5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	Cela permet de régler la température de refroidissement thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un refroidissement excessif ou d'une demande de refroidissement. * Cette fonctionnalité est offerte pour la série d'appareils intérieurs Gen 4.
29	Réglage du détecteur de fuite de réfrigérant	00 : Non installé (par défaut) 01 : Installé	Activez cette fonctionnalité après l'installation de l'appareil de détection externe de fuite de réfrigérant.
30	Version logicielle	Affiche la version logicielle à distance.	Version logicielle à distance
31	Réglage de la plage de température	00 : 60 °F à 86 °F (16 °C à 30 °C) (par défaut) 01 : 40 °F à 99 °F (4 °C à 37,5 °C)	Si la plage de température étendue est réglée, reportez-vous aux températures suivantes. - Refroidissement 87~99 °F (30,5~37,5 °C) -> 86 °F(30 °C). - Chauffage 40~59 °F (4~15,5 °C) -> 60 °F(16 °C). - Si la plage de température est réglée sur 2 points de consigne, elle bascule vers le mode de fonctionnement actuel (refroidissement ou chauffage) de l'appareil intérieur.
32	Stade de la pression statique	00 : Utilise la valeur réglée (par défaut) de la pression statique (code 06). 01 à 11 : Valeur réglée du stade de la pression statique (code 32)	Si la valeur code3 est modifiée dans les réglages par défaut (000), alors la valeur code32 ne sera pas utilisée. Réglage du volume d'air simplifié étendu pour les produits à conduit.
33	Minuterie de garde	00 : 0 minute 01 : 15 minutes (par défaut) 02 : 30 minutes 03 : 45 minutes 04 : 60 minutes	Temps minimum qui doit s'écouler avant que le système puisse basculer vers le mode opposé. (exemple : basculement du mode Chauffage vers le mode Refroidissement)
34	Verrouillage de la plage du point de consigne	00 : Désactive (par défaut) 01 : Active	Cela limite la plage du point de consigne de chauffage et de refroidissement que l'utilisateur peut sélectionner. Pour des renseignements détaillés, consultez les directives suivantes.
35	Arrêt du fonctionnement du ventilateur de refroidissement thermique	00 : Ventilateur à basse vitesse (par défaut) 01 : Ventilateur éteint 02 : Réglage précédent du ventilateur	Règle la vitesse de fonctionnement du ventilateur pendant l'arrêt du refroidissement thermique
36	Commande primaire du radiateur	00 : Premier stade de chauffage du système de thermopompe (par défaut) 01 : Dernier stade de chauffage du système de thermopompe	L'installateur doit sélectionner la pompe à chaleur qui sera en marche pour le premier ou le dernier stade de chauffage au moyen d'un ensemble de chauffage externe.

N° de code	Nom de la fonctionnalité	Valeur	Description
37	Mise en attente activée/désactivée	00 : Mise en attente désactivée (par défaut) 01 : Mise en attente activée	Cela empêche ou autorise l'utilisateur à sélectionner la fonctionnalité Mise en attente.
38	Fonctionnement du ventilateur du climatiseur intégré à la ventilation	00 : Ventilateur à basse vitesse (par défaut) 01 : Ventilateur éteint	Si le produit à cassette est doté d'un ensemble de ventilation, il est alors souhaitable d'empêcher l'air de passer par le filtre à air dans un sens contraire au débit de conception.
39	Réglage du démarrage automatique de l'appareil extérieur	00 : Active le redémarrage automatique (par défaut). 01 : Désactive le redémarrage automatique.	L'installateur doit décider si l'appareil intérieur sera en marche ou non après que l'alimentation ait été rétablie.
40	Réglage de la durée de remplissage	00 : 0 minute (par défaut) 01 : 10 minutes 02 : 30 minutes 03 : 60 minutes	La durée pendant laquelle l'appareil intérieur est en marche après la transition vers le mode Occupé.
41	Réglage du contact sec simple (connexion CN_CC)	00 : Identification automatique du contact sec simple (par défaut) 01 : Désactive cette fonctionnalité 02 : Active la fonctionnalité Contact sec simple 03 : Active la fonctionnalité Contact sec simple avec le port CN_EXT	Cette fonctionnalité est utilisée lorsqu'un appareil à contact sec simple est installé en supplément dans l'appareil intérieur ou si l'appareil à contact simple installé est retiré.
46	Réglage du ventilateur en continu	00 : Non utilisé 01 : Utilisé	Cette fonctionnalité permet de régler le fonctionnement en continu du ventilateur intérieur. Même si la température de l'air de la pièce atteint le point de consigne lors du fonctionnement de l'appareil intérieur, cette fonctionnalité vous permet de conserver la vitesse réglée du ventilateur plus longtemps qu'un autre réglage.
47	Réglage de la fonctionnalité maître/esclave de l'appareil extérieur	00 : Fonctionnement esclave de l'appareil extérieur 01 : Fonctionnement maître de l'appareil extérieur	Cette fonctionnalité transforme l'appareil intérieur connecté en appareil intérieur maître qui peut régler des fonctionnalités liées au fonctionnement des appareils extérieurs. Les appareils extérieurs ne laissent qu'un seul appareil intérieur régler des fonctionnalités liées à leur fonctionnement.
48	Fonctionnalité Mode silencieux de l'appareil intérieur	00 : Non utilisé 01 : Mode silencieux bas 02 : Mode silencieux élevé	Cette fonctionnalité permet de réduire le bruit du réfrigérant entendu à l'étape initiale de fonctionnement de l'appareil intérieur en mode Chauffage.
49	Réglage du mode Dégivrage de l'appareil extérieur	00 : Non utilisé 01 : Mode Élimination forcée des couches de neige 02 : Mode Dégivrage rapide 03 : Mode Élimination forcée des couches de neige et mode Dégivrage rapide	Cette fonctionnalité permet de sélectionner la fonctionnalité Dégivrage ou Élimination de la neige de l'appareil extérieur.
51	Réglage de la vitesse du ventilateur « automatiquement » selon la température	00 : Non utilisé 01 : Utilise la vitesse du ventilateur réglée « automatiquement » en fonction de la température	La fonctionnalité Vitesse du ventilateur réglée « automatiquement » selon la température est la fonctionnalité permettant de modifier la vitesse du ventilateur selon la différence entre la température ambiante et le point de consigne.

N° de code	Nom de la fonctionnalité	Valeur	Description
52	CN_EXT	00 : Utilise la valeur de réglage du code installateur n° 41 (valeur de réglage de contact sec simple) 01 : Fonctionnement simple Marche/Arrêt 02 : Contact sec simple (HL est requis lorsque le fonctionnement est arrêté.) 03 : Arrêt d'urgence unique de l'appareil intérieur 04 : Occupé/Non occupé 05 : Arrêt d'urgence général de l'appareil intérieur ※ Il ne peut être réglé uniquement lorsqu'il y a une fonctionnalité d'arrêt d'urgence pour l'appareil intérieur. 06 : Contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de contacts de fenêtre. 07 : Verrouillage des contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de verrouillage des contacts de fenêtre.	Cette fonctionnalité permet de régler l'objectif du port d'entrée numérique (CN_EXT) pour la carte de circuit imprimé de l'appareil intérieur.
56	Priorité du cycle de l'appareil extérieur	<Sélection du mode> <Stade> 00 : Non utilisé [Non utilisé, veille] 01 : Veille Aucun 02 : Refroidissement [Refroidissement] Stade 0 à 5	Cette fonctionnalité permet d'effacer la limite et de régler le mode de fonctionnement lorsque celui-ci est annulé, pour être en mesure de sélectionner le mode de fonctionnement à l'opposé du mode de fonctionnement de l'appareil extérieur en cours d'exécution lorsque le produit connecté est en mode Esclave.
57	Température extérieure pour les stades de chauffage	<Sélection du mode> <Plage de réglage> 01 : Utilisé/Non utilisé [Utilisé/Non utilisé] 02 : T1 Aucun 03 : ΔT [Plage de réglage T1] -10 °F à 60 °F (-23 °C à 16 °C) [Plage de réglage ΔT] 0 °F à 70 °F (0 °C à 35 °C)	Cette fonctionnalité permet de régler les valeurs de la température extérieure pour deux stades de chauffage. Si l'utilisateur règle la température extérieure T1 et ΔT, l'appareil intérieur va sélectionner le stade de chauffage situé entre le fonctionnement de l'appareil intérieur et le fonctionnement du radiateur.
61	Compensation de température ambiante	Plage de réglage de la compensation de température : De -10 °F à 10 °F (de -5 °C à 5 °C)	Cette fonctionnalité ajuste la température ambiante affichée sur l'appareil afin que celle-ci corresponde à la température ambiante réelle.
64	Contrôle du volume d'air	00 : Par défaut 01 : +10 % 02 : -10 %	Cette fonctionnalité permet de changer le volume d'air cible.
67	Réglage du ventilateur pendant l'arrêt du chauffage thermique (Présence / Mode de fonctionnement)	<Sélectionnez le mode> <Étape> 00: Refroidissement / Occupé 00: Non utilisé 01: Refroidissement / Inoccupé 01: Ventilateur à basse vitesse 02: Chauffage / Occupé 02 : Réglage précédent du ventilateur 03: Chauffage / Inoccupé 03 : Ventilateur éteint	Réglez la vitesse du ventilateur lorsque le chauffage thermique est désactivé en fonction du mode d'occupation et du mode de fonctionnement. Ce réglage a préséance sur les autres réglages de ventilateur associés.

❉ Certains contenus ne peuvent pas être affichés selon la fonctionnalité du produit.

Mode Test (code 1)

Après avoir installé le produit, vous devez lancer le mode Test.
Pour plus de renseignements sur cette opération, référez-vous au manuel du produit.

00 : Fonctionnement normal (par défaut)
01 : Démarre le mode Test de refroidissement
02 : Démarre le mode Test de chauffage

Lors du test, appuyez sur l'une des touches ci-dessous pour quitter le test.
- On/Off (marche/arrêt), temp (température), fan speed (vitesse du ventilateur), oper mode (mode de fonctionnement).

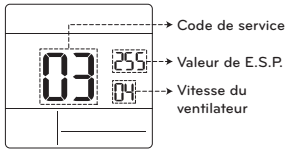
Réglage de l'adresse (code 2)

Cette fonctionnalité permet de régler l'adresse du boîtier de commande centralisé de l'appareil intérieur lors de la connexion du boîtier de commande centralisé.

XX : numéro d'adresse du boîtier de commande centralisé (00 à FF.)

Fonctionnalité E.S.P. (code 3)

Cette fonctionnalité permet de régler la valeur de la quantité de vent correspondant à chaque quantité de vent pour une installation facile.



[Sélection de la vitesse du ventilateur]
Valeur de E.S.P. : 000 à 255
01 : Slow (lente)
02 : Low (basse)
03 : middle (moyenne)
04 : high (élevée)
05 : power (puissante)

❉ Appuyez sur la touche FAN SPEED pour sélectionner la vitesse du ventilateur ou la valeur de E.S.P.

REMARQUES

- Soyez prudent lors du réglage des valeurs de E.S.P.
- Le réglage d'une valeur de E.S.P. pour un stade faible/puissant ne fonctionne pas sur certains produits.
- La plage de valeur de E.S.P. dépend du produit.

Réglage du capteur de température (code 4)

Cette fonctionnalité permet de déterminer si vous allez utiliser le capteur intégré à l'appareil intérieur ou le capteur du boîtier de commande à distance.

<Tableau des thermistors>

Sélection du capteur de température			Fonctionnalité
01	Thermostat		Fonctionne conformément au capteur de température du thermostat.
02	Appareil intérieur		Fonctionne conformément au capteur de température de l'appareil intérieur
03	2 thermostats	Refroidissement	Fonctionne conformément à la température plus élevée en comparant la température de l'appareil intérieur et du thermostat. (Il existe des produits qui fonctionnent à une température plus basse.)
		Chauffage	Fonctionne conformément à une température plus basse en comparant la température de l'appareil intérieur et du thermostat.

❉ La fonctionnalité 2 thermostats est dotée de caractéristiques de fonctionnement différentes selon le produit.

Hauteur de plafond (code 5)

Cette fonctionnalité permet de contrôler le stade de la vitesse du ventilateur selon la hauteur du plafond pour les produits pour installation au plafond.

<Tableau de sélection de la hauteur de plafond>

Niveau de hauteur de plafond		Description
01	Bas	Diminue d'un stade le taux de débit d'air intérieur par rapport au niveau standard.
02	Standard	Règle le taux de débit d'air intérieur au niveau standard.
03	Haut	Augmente d'un stade le taux de débit d'air intérieur par rapport au niveau standard.
04	Très haut	Augmente de deux stades le taux de débit d'air intérieur par rapport au niveau standard.

❉ Le réglage de la hauteur de plafond n'est offert que sur certains produits.
❉ Le réglage « Très haut » de la fonctionnalité Hauteur de plafond peut ne pas être offerte selon l'appareil intérieur.
❉ Reportez-vous au manuel du produit pour plus de détails.

Pression statique (code 6)

Le réglage de la pression statique ne peut être effectué que sur les produits à conduit d'air. (La pression statique ne peut pas être réglée sur les autres produits.)

<Tableau de réglage de la pression statique>

Sélection de la pression		Fonctionnalité	
		État de la zone	Valeur standard de E.S.P.
01	V-H	Variable	Haut
02	F-H	Fixe	Haut
03	V-L	Variable	Bas
04	F-L	Fixe	Bas

Annulation du réglage maître/esclave (code 8)

La fonctionnalité de sélection du fonctionnement maître/esclave permet d'éviter l'utilisation d'autres modes de fonctionnement, et cette fonctionnalité permet d'empêcher la sélection d'un mode opposé à l'appareil intérieur maître par les appareils intérieurs esclaves.

M/E		Description
01	Maître	Grâce à la commande groupée, l'appareil maître règle le mode des appareils intérieurs esclaves.
02	Esclave	L'appareil intérieur esclave peut seulement sélectionner le même mode de fonctionnement que le cycle de l'appareil intérieur maître. Exemple : L'appareil maître est en cycle de refroidissement, ce qui signifie que l'appareil esclave peut seulement sélectionner les modes Refroidissement, Déshumidification, Automatique et Vent. L'appareil maître est en cycle de chauffage, ce qui signifie que l'appareil esclave peut seulement sélectionner les modes Automatique, Chauffage et Vent.

REMARQUE

- L'annulation de la fonctionnalité de réglage M/E n'est offerte que sur certains produits.

Réglage du mode Contact sec (code 9)

La fonctionnalité Contact sec peut être utilisée seulement lorsque les appareils à contact sec sont achetés et installés séparément.

REMARQUES

- Pour des détails relatifs aux fonctionnalités du mode Contact sec, reportez-vous au manuel portant sur le contact sec.
- En quoi consiste le contact sec?
  - Il s'agit de l'entrée de signal du point de contact lorsque la carte clé d'hôtel, le capteur de détection du corps humain, ou autre, interagissent avec le climatiseur.
  - Cela permet l'obtention de fonctionnalités supplémentaires grâce à l'utilisation d'entrées externes (contacts secs et contacts humides).

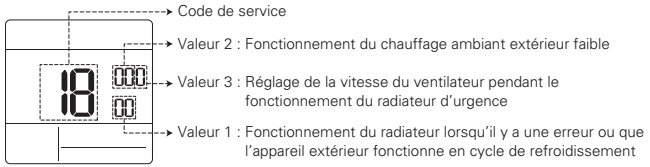
Réglage Marche/Arrêt du chauffage thermique (code 15)

Vous pouvez régler la température de chauffage thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un surchauffage ou d'une demande de chauffage.

Valeur	Chauffage thermique allumé	Chauffage thermique éteint
0	Par défaut (différent pour chaque produit)	
1	8 °F(4 °C)	12 °F(6 °C)
2	4 °F(2 °C)	8 °F(4 °C)
3	-2 °F(-1 °C)	2 °F(1 °C)
4	-1 °F(-0,5 °C)	1 °F(0,5 °C)

Réglage du radiateur d'urgence (code 18)

Cette fonctionnalité est offerte seulement sur certains produits.
Cette fonctionnalité permet de définir le réglage du radiateur d'urgence.
Le radiateur d'urgence est utilisé pour réchauffer la pièce en cas d'urgence, par exemple en cas d'erreur de la pompe à chaleur.
Le radiateur d'urgence remplace la pompe à chaleur en cas de besoin, mais ne la complète pas.
❉ La fonctionnalité de réglage du radiateur d'urgence règle les conditions suivantes :
1) Le fonctionnement du radiateur d'urgence lorsqu'il y a une erreur ou que l'appareil extérieur fonctionne en cycle de refroidissement.
2) Le fonctionnement du radiateur d'urgence en cas de faible température ambiante extérieure.
3) Le réglage de la vitesse du ventilateur pendant le fonctionnement du radiateur d'urgence.



❉ Appuyez sur la touche [FAN SPEED] pour sélectionner la valeur 1, la valeur 2 ou la valeur 3.

Valeur 1

18:00 : Désactive le radiateur d'urgence (par défaut)

18:01 : Active le radiateur d'urgence

Lorsqu'il se connecte aux fonctionnalités générales de l'appareil intérieur

Valeur 2	Active la température		Désactive la température	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Non utilisé (par défaut)			
1	0 °F	-18 °C	5 °F	-15 °C
2	5 °F	-15 °C	10 °F	-12 °C
3	10 °F	-12 °C	15 °F	-9 °C

Lorsqu'il se connecte aux fonctionnalités étendues de l'appareil intérieur

Valeur 2	Active la température		Désactive la température	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Non utilisé (par défaut)			
1	-10 °F	-23 °C	-5 °F	-20 °C
2	-5 °F	-21 °C	0 °F	-17 °C
3	0 °F	-18 °C	5 °F	-14 °C
4	5 °F	-15 °C	10 °F	-11 °C
5	10 °F	-12 °C	15 °F	-8 °C
6	15 °F	-9 °C	20 °F	-5 °C
7	20 °F	-7 °C	25 °F	-2 °C
8	25 °F	-4 °C	30 °F	1 °C
9	30 °F	-1 °C	35 °F	4 °C
10	35 °F	2 °C	40 °F	7 °C
11	40 °F	4 °C	45 °F	10 °C
12	45 °F	7 °C	50 °F	13 °C
13	50 °F	10 °C	55 °F	16 °C
14	55 °F	13 °C	60 °F	19 °C
15	60 °F	16 °C	65 °F	22 °C

Valeur 3

0 : Ventilateur éteint

1 : Ventilateur en marche (le ventilateur est éteint lorsque le chauffage est éteint)

⚠ MISE EN GARDE

Le réglage de cette fonctionnalité doit être effectué par un technicien certifié.

Vérification du numéro d'adresse de l'appareil intérieur (code 26)

Il s'agit de la fonctionnalité qui permet de vérifier l'adresse de l'appareil intérieur attribuée par l'appareil extérieur.

Réglage Marche/Arrêt du refroidissement thermique (code 27)

Cela permet de régler la température de refroidissement thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un refroidissement excessif ou d'une demande de refroidissement.

Valeur	Chauffage thermique allumé	Chauffage thermique éteint
0	1 °F(0.5°C)	-1 °F(-0.5°C)
1	12 °F(6 °C)	8 °F(4 °C)
2	8 °F(4 °C)	4 °F(2 °C)
3	2 °F(1 °C)	-2 °F(-1 °C)

Réglage de la plage de température (code 31)

Cette fonctionnalité est utilisée pour sélectionner les options de plage de température.

Valeur 00 (par défaut)

- Refroidissement : 64 °F à 86 °F (18 °C à 30 °C)
- Chauffage : 60 °F à 86 °F (16 °C à 30 °C)

Valeur 01

- Refroidissement : 64 °F à 99 °F (18 °C à 37,5 °C)
- Chauffage : 40 °F à 86 °F (4 °C à 30 °C)

❗ REMARQUES

- En cas de réglage de la plage de température étendue, veuillez noter que le réglage du boîtier de commande à distance câblé peut être modifié si les circonstances ci-dessous se présentent.
  - En cas de refroidissement de 87~99 °F (30,5~37,5 °C), le refroidissement passe à 86 °F (30 °C).
  - En cas de chauffage de 40~59 °F (4~15,5 °C), le chauffage passe à 60 °F (16 °C).
  - Si la plage de température est réglée sur points de consigne double, elle bascule vers le mode de fonctionnement actuel (refroidissement ou chauffage) de l'appareil intérieur.

Stade de la pression statique (code 32)

Cette fonctionnalité divise la pression statique du produit en 11 stades de réglage.

00 : Utilise la valeur réglée de la pression statique (code 06)

01 à 11 : Utilise le stade de la valeur réglée de la pression statique (code 32)

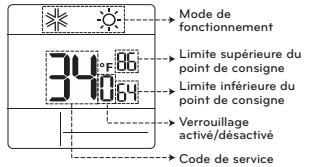
❉ Reportez-vous au manuel du produit pour plus d'informations sur chaque valeur de stade.

❉ Cette fonctionnalité est offerte seulement pour les produits à conduit.

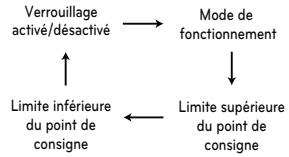
❉ Le fait d'effectuer ce réglage dans d'autres cas peut entraîner un dysfonctionnement.

Verrouillage de la plage du point de consigne (code 34)

Cette fonctionnalité permet de limiter la plage de température souhaitée pouvant être réglée dans le boîtier de commande à distance câblé. Lorsque la plage de température est verrouillée, la température souhaitée peut être réglée seulement dans la plage de la valeur réglée. Toutefois, la valeur de la température souhaitée du boîtier de commande centralisé ou d'autres accessoires reflète la température souhaitée reçue au-delà de la plage.



❉ Appuyez sur la touche (FAN SPEED) pour sélectionner chaque fonctionnalité comme il est indiqué ci-dessous.



Methode de controle de l'unite interieure	Code 31	Refroidissement	Chauffage
Point de consigne simple	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Point de consigne double	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

CN_EXT (Code 52)

Il s'agit de la fonctionnalité qui permet de régler l'objectif du port d'entrée numérique (CN_EXT) pour la carte de circuit imprimé de l'appareil intérieur.

Valeur	Description
00	Utilisez la valeur de réglage No. 41 du code de l'installateur (valeur de réglage du contact sec simple)
01	Fonctionnement simple Activé/Désactivé
02	Contact sec simple (HL est requis lorsque le fonctionnement est arrêté.)
03	Arrêt d'urgence simple de l'unité intérieure
04	Occupé / Inoccupé
05	Tous les arrêts d'urgence de l'unité intérieure ※ Peut être réglé uniquement lorsque la fonction d'arrêt d'urgence de l'unité intérieure est présente.
06	Contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de contacts de fenêtre.
07	Verrouillage des contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de verrouillage des contacts de fenêtre.

Priorité du cycle de l'appareil extérieur (code 56)

Cette fonctionnalité permet d'effacer la limite et de régler le mode de fonctionnement lorsque celui-ci est annulé pour être en mesure de sélectionner le mode de fonctionnement à l'opposé du mode de fonctionnement de l'appareil extérieur en cours d'exécution lorsque le produit connecté est en mode esclave.

❉ Lorsque vous réglez le code installateur 08:00 (fonctionnement esclave), et selon l'état de fonctionnement de l'appareil extérieur, la sélection du mode Refroidissement/Chauffage est limitée.

Valeur 1 00 : Non utilisé

- Selon le mode de fonctionnement de l'appareil extérieur, la sélection du mode de fonctionnement est limitée.

❉ Les modes de fonctionnement suivants peuvent être sélectionnés selon le cycle de l'appareil extérieur.
  - Cycle de refroidissement : Auto (automatique), Fan (ventilateur), Cool (refroidissement), Dehumidification (déshumidification)
  - Cycle de chauffage : Auto (automatique), Fan (ventilateur), Heat (chauffage)

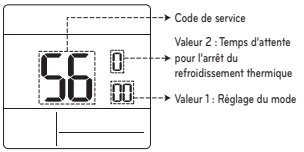
Valeur 1 01 : Veille

- Dans le cas où le mode de fonctionnement est opposé au mode de fonctionnement de l'appareil extérieur, il maintient le mode de fonctionnement actuel. En ce moment, il garde le chauffage thermique et le ventilateur éteint.

Valeur 1 02 : Refroidissement

- Le fonctionnement de l'appareil extérieur est prioritaire lors du processus de refroidissement. Cette fonctionnalité permet d'activer le processus de chauffage du radiateur dans le produit.

❉ En ce qui concerne le fonctionnement de l'interface du radiateur, sélectionnez le réglage « Radiateur d'urgence » et « Radiateur auxiliaire ».
  - Réglage du radiateur d'urgence (code installateur 18)
  - Radiateur auxiliaire (code installateur 25)



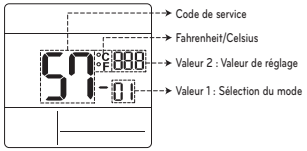
❉ Appuyez sur la touche FAN SPEED pour sélectionner la valeur 1 ou la valeur 2.

Valeur 2	Temps d'attente pour l'arrêt du refroidissement thermique
0	45 minutes (par défaut)
1	30 minutes
2	60 minutes
3	90 minutes
4	120 minutes
5	Non utilisé

Température extérieure pour les stades de chauffage (code 57)

Cette fonctionnalité permet de régler les valeurs de la température extérieure pour deux stades de chauffage. Si l'utilisateur règle la température extérieure T1 et △T, l'appareil intérieur va sélectionner le stade de chauffage situé entre le fonctionnement de l'appareil intérieur et le fonctionnement du radiateur.

❉ Lorsque le réglage du radiateur d'urgence est défini (code installateur 18), l'opération de contrôle du radiateur d'urgence est effectuée en priorité.



❉ Appuyez sur la touche FAN SPEED pour sélectionner la valeur 1 ou la valeur 2.

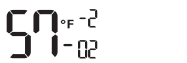
Valeur 1	Sélection du mode
1	Réglage Utilisé/Non utilisé
2	Réglage de la valeur T1
3	Réglage de la valeur △T

Valeur 1 : 01

Valeur de réglage	Description
0	Non utilisé
1	Utilisé

Valeur 1 : 02

Unité de température	Plage de réglage T1
Celsius	-23~16 °C
Fahrenheit	-10~60 °F



[-9 °F ou plus]

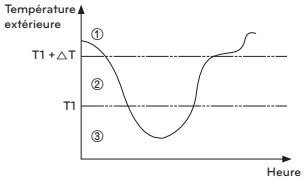


[-10 °F ou moins]

Valeur 1 : 03

Unité de température	Plage de réglage △T
Celsius	0~35 °C
Fahrenheit	0~70 °F

Fonctionnement selon le réglage T1/△T et la température extérieure.



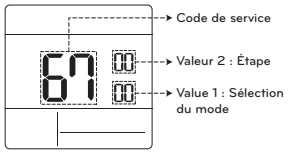
① (T1 +△T < Température extérieure) : la pompe à chaleur est utilisée.

② (T1 < Température extérieure < T1 + △T) : le radiateur et la pompe à chaleur sont tous les deux utilisés.

③ (Température extérieure < T1) : le radiateur est utilisé.

Réglage du ventilateur pendant l'arrêt du chauffage thermique (Présence / Mode de fonctionnement) (Code 67)

Réglez la vitesse du ventilateur lorsque le chauffage thermique est désactivé en fonction du mode d'occupation et du mode de fonctionnement.



<Sélection du mode>	<Étape>
00: Refroidissement / Occupé 01: Refroidissement / Inoccupé 02: Chauffage / Occupé 03: Chauffage / Inoccupé	00 : Non utilisé 01 : Ventilateur à basse vitesse 02 : Réglage précédent du ventilateur 03 : Ventilateur éteint

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MANUAL DE INSTALACIÓN
Y DEL PROPIETARIO

AIRE ACONDICIONADO

Lea este manual de instalación completamente antes de instalar el producto.
El trabajo de instalación debe realizarse según los estándares nacionales de instalación eléctrica y solo por personal autorizado.
Conserve este manual de instalación para consultarlo en el futuro después de leerlo completamente.

Control remoto simple con cable
PREMTC00U

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ESPAÑOL

CONSEJOS PARA AHORRAR ELECTRICIDAD

Estos son algunos consejos que le ayudarán a minimizar el consumo de electricidad cuando use el aire acondicionado. Puede usar su aire acondicionado de forma más eficiente consultando las instrucciones a continuación:

- No enfríe los interiores en exceso. Esto puede ser dañino para su salud y puede consumir más electricidad.
- Tape la luz del sol con persianas o cortinas cuando use el aire acondicionado.
- Mantenga puertas o ventanas cerradas mientras esté usando el aire acondicionado.
- Ajuste la dirección del flujo de aire de forma horizontal o vertical para hacer circular el aire en interiores.
- Aumente la velocidad del ventilador para enfriar o entibiar rápidamente el aire en interiores.
- Abra las ventanas con regularidad para ventilar, ya que la calidad del aire en interiores puede deteriorarse si se usa el aire acondicionado por muchas horas.
- Limpie el filtro una vez cada 2 semanas. El polvo y las impurezas acumuladas en el filtro de aire puede bloquear el flujo de aire o debilitar las funciones de enfriado / deshumidificación.

Para sus registros

Engrape su recibo a esta página en caso de que necesite probar la fecha de su compra para efectos de la garantía. Escriba el número de modelo y el número de serie aquí:

Número de modelo: _____

Número de serie: _____

Puede encontrarlos en la etiqueta en el costado de cada unidad.

Nombre del distribuidor: _____

Fecha de la compra: _____

ESPAÑOL

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

LEA TODAS LAS INSTRUCCIONES ANTES DE USAR EL APARATO.

Siempre siga las siguientes precauciones para evitar situaciones peligrosas y para asegurar el desempeño óptimo de su producto

⚠ ADVERTENCIA

Este símbolo indica una situación potencialmente peligrosa que, si no se evita, puede causar la muerte o heridas graves.

⚠ PRECAUCIÓN

Este símbolo indica una situación potencialmente peligrosa que, si no se evita, puede causar heridas menores o moderadas.

⚠ ADVERTENCIA

Instalación

- Para trabajo eléctrico, contacte al distribuidor, vendedor, un electricista calificado o un Centro de servicio autorizado.
  - No desarme ni repare el producto usted mismo. Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Pida asistencia al centro de servicio o tienda de especialidad en instalación cuando reinstale el producto instalado.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No desarme, arregle ni modifique productos arbitrariamente.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- El producto debe ser instalado de acuerdo con los estándares nacionales y el código local.
- Aplique el conducto no combustible completamente incluido en caso de que el código local de construcción exija plénum.
- Use procedimientos apropiados de sujeción de la unidad.
- Evite la luz del sol directa.
- Evite áreas húmedas.

En uso

- No coloque objetos inflamables cerca del producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No permita que el producto se moje.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Evite que se caiga el producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Si el producto se moja, contáctese con su distribuidor, o centro de servicio autorizado.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas. Si no se siguen las instrucciones, puede causar la muerte o heridas graves al usuario.

- No use objetos afilados o punzantes en el producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No toque o jale el cable conductor con las manos húmedas.
  - Existe riesgo de destrucción del producto o descarga eléctrica.

⚠ PRECAUCIÓN

En uso

- Al limpiar, no use detergentes potentes como solventes sino paños suaves.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o deformación.
- No presione la pantalla usando presión fuerte.
  - Existe riesgo de destrucción del producto o descarga eléctrica.

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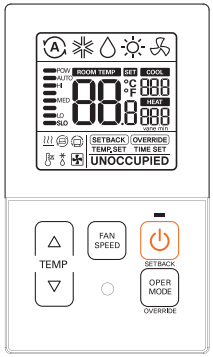
20 **CONFIGURACIÓN DE INSTALADOR**

20 Cómo entrar en el modo de configuración de instalación

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DESCRIPCIÓN

Control remoto simple con cable

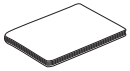


△ ▽	Botón de control de temperatura
FAN SPEED	Botón de velocidad del ventilador
⏻	Botón de Encendido/Apagado
OPER MODE	Botón de selección de modo de operación

Accessorios



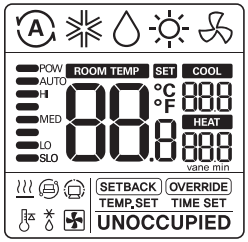
Tornillos de sujeción del control remoto (2 C/U)



Manual de instalación y del propietario

ESPAÑOL

Descripción del ícono



Función	Ícono	Descripción
Modo de operación	A	**Modo automático** - El producto cambia automáticamente entre modos de enfriado y calefacción.
	❄	**Modo de enfriado** - El producto está funcionando en el modo de enfriado.
	💧	**Modo de deshumidificación** - El producto está funcionando en el modo de deshumidificación.
	☀	**Modo de calefacción** - El producto está funcionando en el modo de calefacción.
	🌀	**Modo de operación del ventilador** - El producto está utilizando solo el ventilador para ventilar.
Subfunción	≋	**Control de calor auxiliar** - El producto opera el control de calor auxiliar mientras está en el modo de calefacción.

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Función	Ícono	Descripción
Temperatura		**Temperatura actual** - Muestra la temperatura actual de la habitación.
		Temperatura de valor determinado de enfriado - Valor determinado de temperatura para operación de enfriado.
		Temperatura de valor determinado de calefacción - Valor determinado de temperatura para operación de calefacción.
Velocidad del Ventilador	POW AUTO HI MED LO SLO	**Muestra la velocidad actual del ventilador** **POW** : Velocidad del ventilador - Potente **AUTO** : Velocidad del ventilador - Automático **HI** : Velocidad del ventilador - Alta **MED** : Velocidad del ventilador - Media **LO** : Velocidad del ventilador - Baja **SLO** : Velocidad del ventilador - Debil
Modo de controlador	SETBACK	**Modo de operación de retorno** - El controlador opera la operación de retorno.
	OVERRIDE	**Modo de control manual** - Cambio de estado ocupado/no ocupado.
Monitoreo del estado del producto		Comando recibido del controlador central o unidad exterior.
		Unidad esclava de ambientes cerrados en un sistema de bomba térmica evita que se cambie a un modo no compatible con el modo actual de la unidad exterior.
		Unidad exterior en funcionamiento.
		Funcionamiento de operación de precalefacción de unidad de interior.
		Operación de descongelado en funcionamiento.
Configuración de funciones	TIME SET	Control manual del paso de configuración del cronómetro.
	TEMP.SET	Ajuste de la temperatura de enfriamiento / calentamiento de retroceso.
	SET	Se muestra cuando se está configurando.

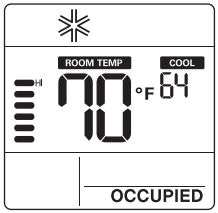
ESPAÑOL

INSTRUCCIONES DE OPERACION - Operación Estándar

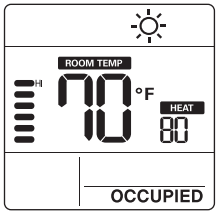
Presione el botón [OPER MODE] varias veces hasta que se seleccione el modo deseado.

Cada vez que presione el botón, el modo de operación seleccionado cambiará: Automático -> Enfriado -> Deshumidificación -> Calefacción -> Ventilador -> Automático.

Enfriado



Calefacción



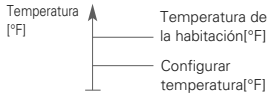
1 Ajuste a la temperatura deseada presionando los botones [TEMP].

NOTA

- El rango de configuración de temperatura es el siguiente.
  - Enfriado : 64°F a 86°F(18°C ~ 30°C)
    60°F a 86°F(16°C ~ 30°C)
    (Para algunos modelos)
  - Calefacción :
    60°F a 86°F(16°C ~ 30°C)
  - ❄ Si está conectando a una unidad de interiores con función de puntos fijos dobles.
    Enfriado : 50 ~ 99 °F (10 ~ 37.5 °C)
    Calefacción : 40 ~ 90 °F (4 ~ 32 °C)
- El modo de calefacción no está disponible para modelos exclusivamente de enfriado.

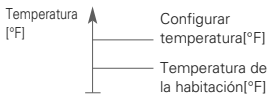
Modo de enfriado

La temperatura configurada es más baja que la temperatura de la habitación.



Modo de calefacción

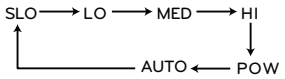
La temperatura configurada es más alta que la temperatura de la habitación.



Velocidad del ventilador

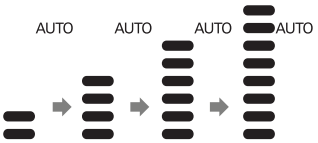
Puede simplemente ajustar la velocidad deseada del ventilador.

1 Presione el botón [FAN SPEED] para cambiar la velocidad del ventilador.

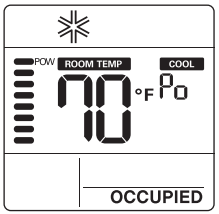


❉ Algunas velocidades del ventilador pueden no operar, dependiendo del producto.

❉ Velocidad del ventilador AUTOMÁTICA
- Se muestra como un efecto de animación como se ve a continuación.



Enfriado potente

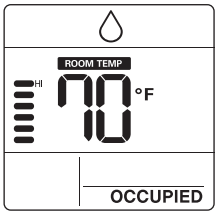


1 Presione el botón [FAN SPEED] hasta que se muestre la opción "Po".

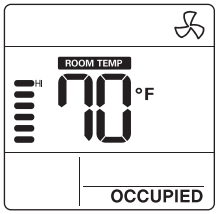
NOTA

- El enfriado potente baja rápidamente la temperatura de interiores.
  - Temperatura deseada: 64°F(18°C)
  - Velocidad del ventilador: Velocidad potente del ventilador
  - Dirección del ventilador: dirección actual del ventilador
- Si se cambia la velocidad o temperatura deseada del ventilador, el enfriado potente se cancela y opera en el modo de operación de enfriado.
- Esta función puede no tener soporte, dependiendo de los modelos.

Deshumidificación



Ventilador



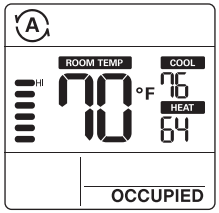
1 Presione el botón [FAN SPEED] repetidamente para ajustar la velocidad del ventilador.

NOTA

- En el modo de ventilador/deshumidificación
  - No puede ajustar temperaturas.
  - Los artículos del menú de velocidad del ventilador pueden no ser parcialmente seleccionados, dependiendo de las funciones del producto.
- Al usar el modo de deshumidificación en temporada lluviosa o climas con alta humedad puede sentir la deshumidificación y enfriado al mismo tiempo.
- El modo de ventilador solo circula el aire interior sin cambiar la temperatura de la habitación.

Operación automática (Valor determinado doble)

Esta función administra automáticamente la temperatura de la habitación, basándose en dos tipos de temperatura establecida (enfriado y calefacción) y crea un ambiente más cómodo.



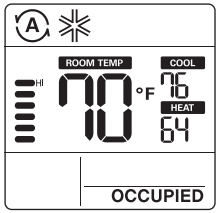
1 Presione el botón [OPER MODE] para seleccionar el modo automático (control de 2 valores determinados).

2 Presione los botones [TEMP] y luego los íconos de temperatura para calefacción y enfriado parpadearán.

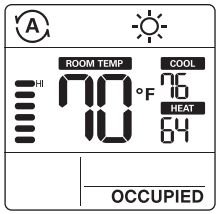
3 Puede controlar la temperatura mientras parpadea presionando los botones [TEMP].

❉ Si quiere controlar cada temperatura, presione el botón [OPER MODE] cuando los íconos de temperatura parpadeen.

Estado de funcionamiento de refrigeración

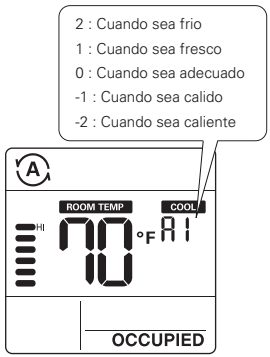


Estado de funcionamiento de calefacción



ESPAÑOL

En el caso de solo refrigeración, puede ajustar la temperatura de caliente a frío, de "-2" a "2" teniendo "0" como base.

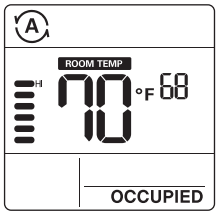


NOTA

- Cuando el control remoto tiene una conexión con una unidad de interior que no tiene soporte de "valor determinado doble", la función de operación térmica de la unidad de interior es reemplazada por un control de ENCENDIDO/APAGADO en el control remoto con cable cuando el usuario configura temperaturas objetivo en los siguientes rangos.
  - rango de temperatura de enfriado objetivo : 87~99 °F (30.5~37.5 °C)
  - rango de temperatura de calefacción objetivo : 40~59 °F (4~15.5 °C).

Operación automática (Valor determinado simple)

Esta función administra automáticamente la temperatura de la habitación, basándose en una temperatura establecida y crea un ambiente más cómodo.



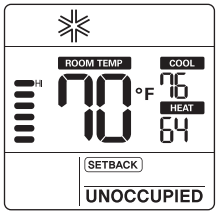
1 Presione el botón OPER MODE para seleccionar el modo automático.
2 Presione los botones TEMP y luego los temperatura parpadearán.
3 Puede controlar la temperatura mientras parpadea presionando los botones TEMP .

ESPAÑOL

INSTRUCCIONES DE OPERACION - Subfunción

Retorno

La operación de retorno regresa a la temperatura establecida hasta que la operación de retorno sea cancelada.

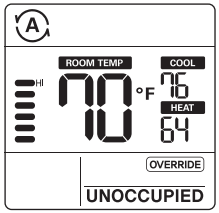


1 Presione el botón ⏻ por 3 segundos y puede operar/cancelar el retorno.

❉ No puede cambiar la configuración en la operación de retorno, excepto para cancelar el modo.
- EL bloqueo "HL" se muestra en la ventana.

Control manual

La operación de control manual regresa a la temperatura establecida hasta que la operación de control manual sea cancelada.

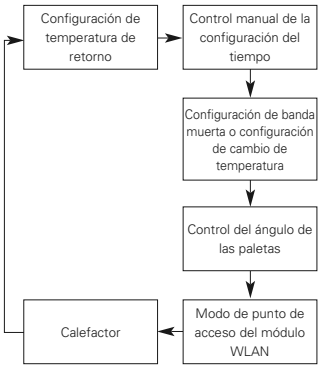


1 Presione el botón OPER MODE por 3 segundos; puede operar/cancelar el control manual.

❉ No puede cambiar la configuración en la operación de control manual, excepto para configurar la subfunción y para cancelar el modo.
- EL bloqueo "HL" se muestra en la ventana.
- Solo se aplica para "No ocupado".

ESPAÑOL

Presione el botón [FAN SPEED] durante 3 segundos. Puede ingresar al modo de configuración de subfunciones y presionar el botón [FAN SPEED] repetidamente para cambiar el modo de subfunción en el siguiente orden.



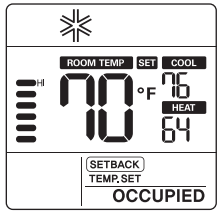
❉ Algunas funciones pueden no operar, dependiendo del producto.

❉ Configuración de banda muerta - cuando se conecta con un producto con control de 2 valores determinados.

Cambio de temperatura - cuando se conecta con un producto con control de 1 valor determinado.

Establecer la temperatura de retorno

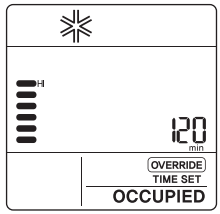
1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de retorno.
3 Presione el botón [OPER MODE] para seleccionar la temperatura de calefacción/enfriado.
4 Presione el botón [TEMP △ ▽] para cambiar la temperatura.
5 Presione el botón [⏻] para establecer la temperatura.
6 Presione el botón [FAN SPEED] durante 3 segundos.



Configurar tiempo de control manual

1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de control manual.
3 Presione el botón [TEMP △ ▽] para seleccionar el tiempo de control manual.
4 Presione el botón [⏻] para establecer la tiempo de control manual.
5 Presione el botón [FAN SPEED] durante 3 segundos.

❉ Puede configurarlo en unidades de 30 minutos.

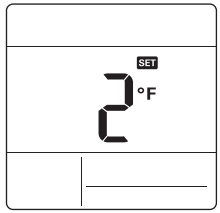


ESPAÑOL

Banda muerta (2 valores determinados)

Esta función establece la diferencia mínima entre los valores determinados de calefacción y enfriado.

❉ Esta función se usa en conexión con el producto de control de 2 valores determinados.

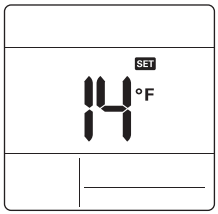


1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de banda muerta.
3 Presione el botón [TEMP △ ▽] para cambiar la temperatura de banda muerta. (0 ~ 10°F/0 ~ 5°C)
4 Presione el botón [⏻] para establecer la temperatura.
5 Presione el botón [FAN SPEED] durante 3 segundos.

Configuración de cambio de temperatura (Valor determinado simple)

Cambio de temperatura es la función para configurar el enfriado y calefacción del aire automáticamente según la temperatura en el modo de operación automático de 1 valor determinado.

❉ Esta función se usa en conexión con el producto de control de 1 valor determinado.



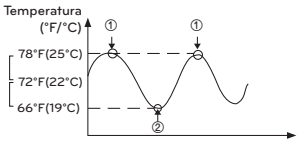
1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de cambio de temperatura.
3 Presione el botón [TEMP △ ▽] para cambiar la temperatura. (2 ~ 14°F/1 ~ 7°C)
4 Presione el botón [⏻] para establecer la temperatura.
5 Presione el botón [FAN SPEED] durante 3 segundos.

Ejemplo de uso de cambio de temperatura

Condición
1) Modo: modo automático
2) Temperatura: 72°F(22°C)
3) Cambio de temperatura: 6°F(3°C)

❉ En un caso con las condiciones anteriores, opera como se muestra en el gráfico.

① : Comienza la operación de enfriado
② : Comienza la operación de calefacción

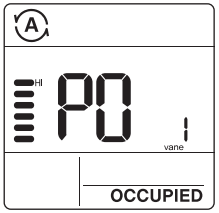


❉ Esta función puede no funcionar en algunos productos.

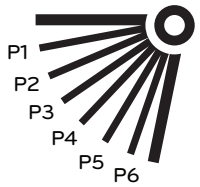
ESPAÑOL

Control del ángulo de las paletas

Esta función es para ajustar el ángulo del flujo de aire.

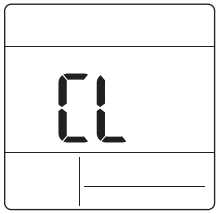


1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo de control de ángulo de las paletas.
3 Presione el botón OPER MODE para seleccionar las paletas de la unidad de espacio cerrado. (1, 2, 3, 4, Todas)
4 Presione el botón TEMP para cambiar el ángulo de las paletas. (P1 a P6)
5 Presione el botón ⏻ para establecer la ángulo de las paletas.
6 Presione el botón FAN SPEED durante 3 segundos.



Seguro para niños

Esta es la función para evitar el uso inapropiado por niños y otros.



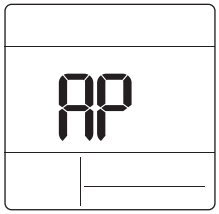
1 Presione los botones △ y FAN SPEED por 3 segundos y puede operar/cancelar el seguro para niños.
2 Para el método de desbloqueo presione los botones △ y FAN SPEED por 3 segundos.

❉ Al momento de configurar el "seguro para niños", se indicará "CL" por aproximadamente 3 segundos en la sección de temperatura de la pantalla antes de regresar al modo anterior.
❉ Después de configurar el "CL", si se configura otro botón, el botón no puede ser reconocido y el "CL" se indica en la sección de la temperatura de la pantalla por 3 segundos, aproximadamente.

Modo de punto de acceso del módulo WLAN

Es la función para operar el módulo WLAN (LAN inalámbrica) conectado al producto en el modo de punto de acceso.

ESPAÑOL

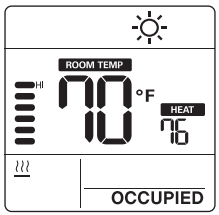


1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo de punto de acceso del módulo WLAN.
3 Mientras esté operando el módulo WLAN en modo de punto de acceso, el término "AP" parpadea en la pantalla del control remoto con cable.
4 Presione el botón FAN SPEED durante 3 segundos.

❉ Esta función está disponible para modelos particulares que apliquen el Módulo WLAN.
❉ Consulte el manual de instalación del Unidad de interior para saber si está disponible o no.

Calefactor

Es la función para reforzar la capacidad de calefacción encendiendo el calefactor eléctrico durante la operación de calefacción.



1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo calefactor.
3 Presione el botón ⏻ para seleccionar encendido/apagado en el modo calefactor
4 Presione el botón FAN SPEED durante 3 segundos.

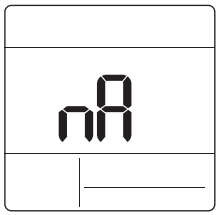
❉ Esta función puede no funcionar en algunos productos.

Botón de Bloqueo

Esta función previene cambios a la configuración de modos.

1 Presione simultáneamente los botones ▽ y FAN SPEED por 3 segundos para utilizar el modo de bloqueo.

❉ Si presiona el botón OPER MODE mientras el modo de bloqueo está activo, aparecerá la siguiente pantalla.



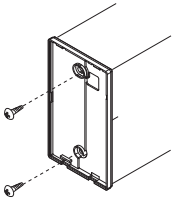
❉ En cuanto al desbloqueo, presione los botones ▽ y FAN SPEED por 3 segundos.

ESPAÑOL

INSTRUCCIONES DE INSTALACIÓN

Instalación

1 Por favor sujete de forma segura el plato trasero a la pared utilizando los tornillos proveídos.
Por favor asegúrese de no doblar el plato trasero ya que ésto podría causar problemas con la instalación.

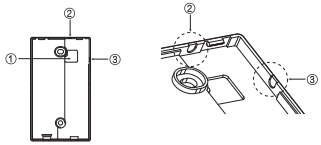


2 Hay tres configuraciones diferentes del cableado.

① A través de la superficie de la pared.

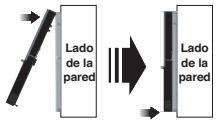
② Sección superior del Control Remoto

③ Sección derecha del Control Remoto

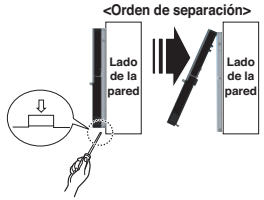


3 **Fije la parte superior del control remoto en la placa posterior sujeta a la superficie de la pared, como en la siguiente imagen, y luego conecte con la placa posterior presionando la parte inferior.**
Asegúrese de no dejar espacios en las caras superior, inferior o laterales entre el control remoto y la placa posterior.
Antes de ensamblar con la placa posterior, posicione el cable para que no interfiera con las partes del circuito.
Remueva el control remoto insertando un destornillador en los orificios de separación inferior y girando para soltar el controlador de la placa posterior.
Hay dos orificios de separación. Sepárelos individualmente, uno a la vez.
Tenga cuidado de no dañar los componentes internos cuando separe.

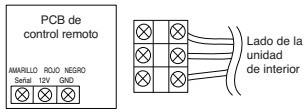
<Orden de conexión>



<Orden de separación>



4 Consulte las siguientes indicaciones cuando conecte la unidad de interior con el control remoto con cable.



ESPAÑOL

⚠ PRECAUCIÓN

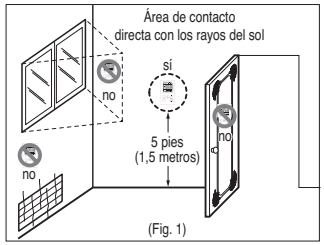
Cuando instale el control remoto con cable, no lo hunda en la pared. (Puede causar daño en el sensor de temperatura).
No instale un cable de más de 164 pies (50 metros).
(Puede causar errores de comunicación).
Especificación del cable de extensión LG incluido: AWG 24, de 3 conductores o mejor. (Modelo : PZCWRC1)

Instalación de control remoto

Debido a que el sensor de temperatura de la habitación está en el control remoto, la caja del control remoto debe instalarse en un lugar lejos del sol, la humedad y fuentes directas de aire frio, para mantener una adecuada temperatura del espacio. Instale el control remoto a unos 5 pies (1,5 m) sobre el suelo en un área con buena circulación de aire a una temperatura promedio.

No instale el control remoto donde pueda ser afectado por:

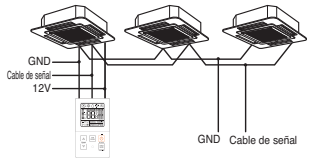
- Corrientes o puntos muertos detrás de puertas o en esquinas.
- Aire caliente o frio saliendo de conductos.
- Calor radiante del sol o electrodomésticos.
- Tuberías y chimeneas escondidas.
- Áreas no controladas, como una muralla exterior detrás del control remoto.
- Este control remoto está equipado con una pantalla LCD. Para la correcta exposición del LCD del control remoto, el control remoto debe estar instalado de forma apropiada, como se muestra en Fig. 1. (La altura estándar es de 4 a 5 pies [1,2 a 1,5 m] del nivel del suelo).



(Fig. 1)

Cuando instale más de 2 unidades de aire acondicionado a un termostato, conéctelos como se muestra a la derecha.

- Configure una unidad de interior como maestra y las demás como esclavas.



Cuando controle múltiples unidades de interior con un termostato, debe cambiar la configuración de maestra/esclava de la unidad de interior.

- Cuando DIP, SW esté configurado, recircule la energía. Cuando recircule la energía, manténgase en la posición de APAGADO por al menos 1 minuto para que entren en efecto las nuevas configuraciones.
- Para los productos para techo de cassette y conducto, cambie el ajuste del interruptor del PCB de interior.



#3 APAGUE: Maestra (Configuración de fábrica)



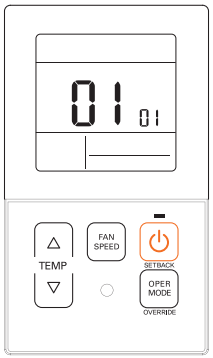
#3 ENCIENDA: Esclava

- Para productos montados en la pared y de pie, cambie la configuración de maestra/esclava con el inalámbrico. Termostato. (Consulte el manual del Termostato inalámbrico para más detalles)
Cuando controle el grupo, algunas funciones avanzadas (excluyendo configuración de operación básica, Nivel de ventilador bajo, medio y alto, configuración de bloqueo de termostato y configuración de tiempo) pueden estar limitadas.

ESPAÑOL

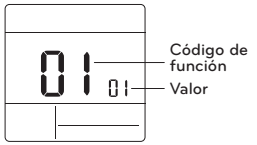
CONFIGURACIÓN DE INSTALADOR

Cómo entrar en el modo de configuración de instalación



1 Presione los botones [△] y [OPER MODE] simultáneamente por 3 segundos para entrar al modo de configuración de instalador.

2 Inicialmente, cuando entre al modo de configuración, el código de función se muestra en la pantalla d LCD.



3 Presione el botón [OPER MODE] para seleccionar el código de función.

4 Presione el botón [△ TEMP ▽] para cambiar el valor.

5 Presione el botón [⏻] para establecer el valor.

6 Presione los botones [△] y [OPER MODE] simultáneamente por 3 segundos para salir del modo de configuración de instalador.

⚠ PRECAUCIÓN

El modo de configuración de instalador es para configurar la función detallada del control remoto. Si el modo de configuración de instalador no se configura apropiadamente, puede causar problemas al producto, heridas al usuario o daño a la propiedad. Esto debe ser configurado por un instalador certificado, y cualquier instalación o cambio que se lleve a cabo por una persona no certificada deberá ser responsable por los resultados. En este caso no puede entregarse servicio gratuito.

ESPAÑOL

<Tabla de código de la configuración del instalador>

1) Producto de aire acondicionado general

Número de Código	Nombre de la función	Valor	Descripción
1	Modo de prueba de funcionamiento	00 : Operación normal (por defecto) 01 : Iniciar modo de prueba de enfriado 02 : Iniciar modo de prueba de calefacción	Iniciar modo de prueba de IDU.
2	Configuración de dirección	02 : XX: número de dirección de control central (00 a FF)	Asigne una dirección hexadecimal única cuando sea usada con un controlador central.
3	Función E.S.P.	[Seleccione velocidad del ventilador] 01 : Lenta 02 : Baja 03 : Media 04 : Alta 05 : Potente <Ejemplo> 03 01 Código de función / Valor E.S.P. Velocidad del ventilador Valor E.S.P. : 000 a 255	Consulte el manual de ingeniería para datos específicos del producto. "000" es el número que se muestra para la configuración de fábrica. Si los valores de code3 cambian de la configuración por defecto (000) entonces los valores code5, code6 y code32 no serán usados. Solo algunos productos seleccionados tienen cinco velocidades.
4	Configuración de sensor de temperatura	01 : Use el sensor del control remoto con cable (Por defecto) 02 : Use el sensor de retorno de la unidad de interior 03 : sensor 2TH - Enfriado : se usa el valor más alto del sensor - Calefacción : se usa el valor más bajo del sensor	Seleccione el valor del termistor que será usado para controlar la temperatura de la habitación.
5	Altura del techo	[Altura del techo] 01 : Baja 02 : Estándar (Por defecto) 03 : Alta 04 : Muy alta	Volumen de aire simplificado para producto de cassette y consola. Seleccione el valor que corresponde a la altura del techo donde está instalado el producto.
6	Presión estática	Estado de zona - Valor estándar de E.S.P. 01 : Variable - alto 02 : Fijo - alto 03 : Variable - bajo 04 : Fijo - bajo	Volumen de aire simplificado para producto con conducto. Seleccione el valor que corresponde al tipo de sistema de conductos unido al producto.
8	Control manual de la configuración de maestra/esclava	00 : Unidad esclava (por defecto) 01 : Unidad maestra	Esta función está disponible para ser usada con el sistema MV HP. Se selecciona una IDU como maestra y comunicará su modo a las otras IDU esclavas. Las IDU esclavas prohibirán/suprimirán las selecciones de modos opuestos.
9	Configuración de modo de contacto seco	00 (por defecto) : - Entrada cerrada = habilitar remoto - Entrada abierta = Detener IDU y deshabilitar remoto 01 : - Entrada cerrada = Encender IDU y habilitar remoto - Entrada abierta = Detener IDU y deshabilitar remoto	Esta función está disponible para ser usada con contacto seco simple.

Número de Código	Nombre de la función	Valor	Descripción
12	Cambiar entre Celsius / Fahrenheit	00 : Celsius 01 : Fahrenheit (Por defecto)	Celsius o Fahrenheit.
15	Configuración de encendido/apagado de calefacción térmica	0 : por defecto. Cada unidad de interior tiene un valor diferente con el tipo de producto. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/+2 °F (-1 °C/+1 °C) 4 : -1 °F/+1 °F (-0,5 °C/+0,5 °C) *La opción 4 está disponible bajo la condición de uso de la unidad Fahrenheit de code12.	Puede ajustar la temperatura de calefacción térmica a encendido / apagado según el ambiente del área en preparación para una declaración de sobrecalentamiento o calefacción.
17	Unidad de temperatura Celsius	00 : control de 1°C Celsius (Por defecto) 01 : Control de 0,5°C Celsius	Resolución de temperatura
18	Configuración de calefactor de emergencia	[Valor 1] 00 : Deshabilitar el calefactor de emergencia (por defecto) 01 : Habilitar calefactor de emergencia [Valor 2] 0 : Deshabilitar el calefactor de emergencia en baja temperatura del ambiente 1 a 15 : Habilitar el calefactor de emergencia en baja temperatura del ambiente 01 : -10F, 02 : -5F, 03 : 0F, 04 : 5F, 05 : 10F 06 : 15F, 07 : 20F, 08 : 25F, 09 : 30F, 10 : 35F 11 : 40F, 12 : 45F, 13 : 50F, 14 : 55F, 15 : 60F [Valor 3] 0 : Ventilador apagado 1 : Ventilador encendido (El ventilador está apagado cuando el calefactor está apagado)	Configurar el valor 1 habilita el calefactor auxiliar para ser usado cuando ODU tiene un código de error. Configurar el valor 2 habilita al ODU para estar bloqueado basado en temperatura externa seleccionada y habilita el uso del calefactor auxiliar. Configurar el valor 3 determina la operación del ventilador mientras está encendido el térmico o con un calefactor auxiliar.
19	Configuración de función en un control de grupo	00 : Deshabilitar funciones extendidas (Por defecto) 01 : Habilitar funciones extendidas	Función estándar: Encendido/Apagado, Modo, Flujo de aire (Bajo/Medio/Alto), valor determinado, Programa Función extendida: Control de ángulo del aire (todos), Remolino, Aire arriba/abajo, Aire izquierda/derecha, Enfriado con ahorro de energía, Ventilador automático
20	Purificación de plasma	00 : Deshabilitar 01 : Habilitar (Por defecto)	Es una función para configurar si se habilita o no la purificación de plasma o no.
21	Control de calor auxiliar	00 : Control manual de calor deshabilitado 01 : Control manual de calor habilitado (Por defecto)	Esta configuración permite al usuario habilitar/deshabilitar el calor auxiliar en el menú de subfunción.
25	Kit de calor auxiliar externo	00 : No instalado 01 : Instalado (Por defecto)	Esta función debe ser habilitada para usar un kit de calor auxiliar externo.

Número de Código	Nombre de la función	Valor	Descripción
26	Revise el número de dirección de la unidad de interior	XX(dirección asignada)	Mostrar dirección de IDU asignada por ODU.
27	Configuración de encendido/apagado de enfriado térmico	0 : por defecto, +1 °F/-1 °F (+0,5 °C/-0,5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	Puede ajustar la temperatura de enfriado térmico a encendido / apagado según el ambiente del área en preparación para una declaración de sobreenfriado o enfriado. *Esta función está disponible desde la serie de unidades de interior Gen 4.
29	Configuración para detector de fuga de refrigerante	00 : No instalado (Por defecto) 01 : Instalado	Habilite esta función después de instalar un aparato externo de detección de fuga de refrigerante.
30	Versión SW	Muestre la versión remota de SW	Versión remota de SW
31	Configurar Temperatura de Operación	00 : 60 a 86°F(16 a 30°C) (Por defecto) 01 : 40 a 99°F(4 a 37,5°C)	Si el rango de temperatura extendida es configurado, consulte lo siguiente. - Enfriado 87~99°F (30.5~37.5°C) -> 86°F(30°C). - Calefacción 40~59°F (4~15.5°C) -> 60°F(16°C). - Si se establecen 2 valores determinados, se cambia al modo de operación actual (enfriado o calefacción) de la unidad de interior.
32	Paso de presión estática	00 : Usar el valor establecido de presión estática (código 06) (Por defecto) 01 a 11 : Valor establecido de paso de presión estática (código 32)	Si los valores de code3 cambian de la configuración por defecto (000) entonces los valores code32 no serán usados. Volumen de aire simplificado extendido para producto con conducto.
33	Cronómetro de protección	00 : 0 minuto 01 : 15 minutos (por defecto) 02 : 30 minutos 03 : 45 minutos 04 : 60 minutos	Debe pasar el tiempo mínimo antes de que el sistema pueda cambiar a un modo opuesto. (por ejemplo: cambiar de modo calefactor a enfriado)
34	Bloqueo de rango de valores determinados	00 : Deshabilitar (Por defecto) 01 : Habilitado	limita el rango de valores determinados que el usuario puede seleccionar para calefacción y enfriado. Para más información, consulte la siguiente instrucción
35	Operación del ventilador durante enfriado térmico apagado	00 : Ventilador bajo (por defecto) 01 : Ventilador apagado 02 : configuración de ventilador anterior	Configure la operación de la velocidad del ventilador cuando el enfriado térmico esté apagado
36	Control de calefactor primario	00 : calor con HP de primera etapa (por defecto) 01 : calor con HP de última etapa	El instalador debe seleccionar si la bomba de calor (HP) opera como primera o última etapa de calor con el uso de un kit de calor externo.

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Número de Código	Nombre de la función	Valor	Descripción
37	Habilitar/deshabilitar suspensión	00 : Suspensión deshabilitada (Por defecto) 01 : Suspensión habilitada	Evita o permite que el usuario seleccione la función Suspensión.
38	Operación del ventilador del aire acondicionado entrelazado con ventilación	00 : Ventilador bajo (por defecto) 01 : Ventilador apagado	Si un cassette tiene un kit de ventilación instalado, entonces es deseable limitar el flujo del aire a través del filtro de aire en una dirección opuesta al flujo diseñado.
39	Configuración de encendido automático de la IDU	00 : Habilitar el reinicio automático (Por defecto) 01 : Deshabilitar el reinicio automático	El instalador debe seleccionar si la IDU debe estar en encendido o apagado luego de que la energía regrese a la IDU.
40	Configuración del tiempo de duración de ocupación	00 : 0 minutos (por defecto) 01 : 10 minutos 02 : 30 minutos 03 : 60 minutos	El tiempo que la IDU está encendida luego de una transición al modo de ocupación.
41	Configuración de contacto seco simple (conexión CN-CC)	00 : Identificación automática de contacto seco simple (Por defecto) 01 : Deshabilitar la función. 02 : Habilitar función de contacto seco simple 03 : Habilitar función de contacto seco simple con puerto CN_EXT	Esta función se usa cuando una unidad de contacto seco simple se instala de forma adicional en la unidad de interior o la unidad de contacto seco simple es removida.
46	Configurar el ventilador continuo	00 : No usado 01 : Usado	Es la función que configura la operación continua del ventilador de interior. Incluso si la temperatura del aire en la habitación alcanza el valor determinado a través de la operación de la unidad de interior, está la capacidad de mantener la velocidad del ventilador por más tiempo.
47	Configuración de función de unidad de exterior como maestra/esclava	00 : función esclava de unidad de exterior 01 : función maestra de unidad de exterior	Esta función establece una unidad de interior como unidad de interior maestra que puede establecer funciones relacionadas con la operación de una unidad de exterior. La unidad de exterior solo acepta una unidad de interior para establecer funciones relacionadas con la operación de la unidad de exterior.
48	Función de modo silencioso de unidad de interior	00 : No usado 01 : modo silencioso bajo 02 : modo silencioso alto	Es la función para reducir el ruido del refrigerante que ocurre en la etapa inicial de la operación de la unidad de interior en el modo de calefactor.
49	Configurar el modo de descongelado de la unidad de exterior	00 : No usado 01 : Modo de remoción forzada de nieve apilada 02 : Modo de descongelado rápido 03 : Modo de remoción forzada de nieve apilada y descongelado rápido	Es la función para seleccionar la función de descongelado o remoción de nieve de la unidad de exterior.
51	Configurar la velocidad "automática" del ventilador basada en la temperatura	00 : No usado 01 : Usar velocidad "automática" del ventilador basada en la temperatura	La función de velocidad "automática" del ventilador basada en la temperatura es la función para cambiar la velocidad del ventilador de acuerdo con la diferencia entre la temperatura de la habitación y el valor determinado.

ESPAÑOL

Número de Código	Nombre de la función	Valor	Descripción
52	CN_EXT	00 : Usar el valor de configuración del código Número 41 del instalador (valor de configuración de contacto seco simple) 01 : Operación simple encendida/apagada 02 : Contacto seco simple (Toma HL cuando la operación está apagada). 03 : Detención de emergencia de unidad de interior única 04 : Ocupada / No ocupada 05 : Detención de emergencia de todas las unidades de interior ※ Solo puede configurarse cuando existe la función de detención de emergencia de las unidades de interior. 06: contacto de ventana ※ Solo se puede configurar cuando se incluye la función de contacto de ventana. 07: bloqueo de contacto de ventana ※ Solo se puede configurar cuando se incluye la función de bloqueo de contacto de ventana.	Es la función para establecer un puerto de propósito de entrada digital (CN_EXT) de la unidad de interior PCB.
56	Prioridad de ciclo de la unidad de exterior	<Seleccione modo> / < Paso > 00 : No usar / [No usar, En espera] 01 : Modo en espera / Ninguno 02 : Enfriar / [Enfriar] Paso 0 a 5	Esta es la función para eliminar el límite y configurar el modo de operación cuando es eliminado, para poder seleccionar el modo de operación opuesto al modo de operación de la unidad de exterior actualmente en operación mientras el producto conectado está en modo esclavo.
57	Temperatura exterior para etapas de calefacción	<Seleccione modo> / <Rango de configuraciones> 01 : Usar/No usar / [Usar/No usar] 02 : T1 / Ninguno 03 : △T / [Rango de configuración T1] -10 a 60°F (-23 a 16°C) [Rango de configuración △T] 0 a 70°F (0 a 35°C)	Es una función que establece valores de temperatura exterior para calefacción de dos etapas. If user sets outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.
61	Compensación de temperatura ambiente	Rango de ajuste de la temperatura de compensación : -10°F ~ 10°F(-5°C ~ 5°C)	Esta función ajusta la temperatura ambiente visualizada en el producto a la temperatura ambiente actual.
64	Control de volumen de aire	00 : Predeterminado 01 : +10 % 02 : -10 %	Esta función está disponible para cambiar el destino de la cantidad de aire.
67	Ajuste del ventilador con el térmico apagado (Modo de ocupación/funcionamiento)	<Modo de selección> / <Paso> 00: Refrigeración / Ocupado / 00: No utilizado 01: Refrigeración / No ocupado / 01: Ventilador bajo 02: Calefacción / Ocupado / 02: Ajuste anterior del ventilador 03: Calefacción / No ocupado / 03: Ventilador apagado	Ajuste el funcionamiento de la velocidad del ventilador con el térmico apagado según el modo de ocupación y de funcionamiento. Este ajuste tiene la prioridad más elevada respecto a todos los ajustes del ventilador relacionados.

❉ Algunas funciones pueden no ser mostradas dependiendo de la función del producto.

Modo de prueba de funcionamiento (Código 1)

Después de instalar el producto, usted debe ejecutar un modo de prueba de funcionamiento. Para más detalles relacionados con esta operación, consulte el manual del producto.

00: Operación normal (por defecto)
01: Iniciar modo de prueba de enfriado
02: Iniciar modo de prueba de calefacción

Durante la prueba de funcionamiento, apretar el siguiente botón cancelará la prueba de funcionamiento.
- Encendido/apagado, velocidad del ventilador, botón de modo de operación.

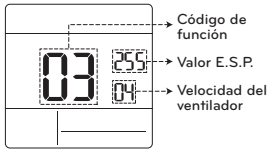
Configuración de dirección (Código 2)

Es la función para configurar la dirección de control central de la unidad de interior durante la conexión de controlador central.

XX: número de dirección de control central (00 a FF)

Función E.S.P. (Código 3)

Es la función para configurar el valor de cantidad de viento correspondiente a cada cantidad de viento para una instalación sencilla.



[Seleccione velocidad del ventilador]
Valor E.S.P.: 000 a 255
01: Lenta
02: Baja
03: Media
04: Alta
05: Potente

❉ Presione el botón FAN SPEED para seleccionar el valor de velocidad del ventilador o E.S.P.

NOTA

- Tenga cuidado al ajustar los valores de ESP.
- En algunos productos no funciona el configurar el valor de ESP para escalones débiles/potentes.
- El rango de valor de ESP depende del producto.

Configuración de sensor de temperatura (Código 4)

Esta es una función para determinar si usará el sensor montado de la unidad de interior o el sensor del controlador remoto.

<Tabla de termistor>

Selección de sensor de temperatura			Función
01	Termostato		Operar de acuerdo con el sensor de temperatura del termostato
02	Unidad de interior		Operar de acuerdo con el sensor de temperatura dela unidad de interior
03	2TH	Enfriado	Operar de acuerdo con la temperatura más alta comparando la temperatura de unidad de interior con la del termostato. (Hay productos que operan a una menor temperatura)
		Calefacción	Operar de acuerdo con la temperatura más baja comparando la temperatura de unidad de interior con la del termostato.

❉ La función 2TH tiene diferentes características de operación dependiendo del producto.

Altura del techo (Código 5)

Es la función para controlar la etapa de velocidad del ventilador de acuerdo con la altura del techo en los productos para techo.

<Tabla de selección de altura de techo>

Nivel de altura del techo		Descripción
01	Bajo	Reduce el índice de flujo de aire de interior 1 nivel desde el nivel estándar
02	Estandar	Configura el índice de flujo de aire de interior como el nivel estándar
03	Alta	Aumenta el índice de flujo de aire de interior 1 nivel desde el nivel estándar
04	Muy Alto	Aumenta el índice de flujo de aire de interior 2 niveles desde el nivel estándar

❉ La configuración de la altura del techo solo está disponible para algunos productos.
❉ La función de altura del techo "muy alta" puede no existir, dependiendo de la unidad de interior.
❉ Consulte el manual del producto para más información.

Presión estática (Código 6)

La configuración de presión estática solo puede ser configurada en los productos con conductos. (No puede ser configurada en otros productos).

<Tabla de configuración de presión estática>

Pressure selection		Función	
		Estado de zona	Valor estándar de ESP
01	V-H	Variable	Alto
02	F-H	Fijo	Alto
03	V-L	Variable	Bajo
04	F-L	Fijo	Bajo

Control manual de la configuración de maestra/esclava (Código 8)

Esta selección de función maestra/esclava es para evitar operaciones de otros modos y es la función que evita la selección de modos opuestos a la unidad de interior maestra por parte de las unidades de interior configuradas como esclavas.

M/S		Descripción
01	Maestra	Usando control de grupo, esta maestra configura el modo de las IDU esclavas.
02	Esclava	Para la unidad interior configurada como esclava, solo puede seleccionar un modo de operación del ciclo de la unidad de interior maestra. Ej.) La unidad maestra está en un ciclo de enfriado, la esclava solo puede seleccionar enfriado, deshumidificación, automático y viento. La unidad maestra está en un ciclo de calefacción, la esclava solo puede seleccionar automático, calefacción y viento.

NOTA

- La función de control manual de la configuración M/S solo está disponible en algunos productos.

Configuración de modo de contacto seco (Código 9)

La función de contacto seco es la función que puede ser usada solo cuando se compran por separado y se instalan aparatos de contacto seco.

NOTA

- Para más detalles sobre las funciones relacionadas con el modo de contacto seco, consulte el manual de contacto seco individual.
- ¿Qué es el contacto seco?
  - Significa que la entrada de señal punto de contacto cuando la tarjeta llave del hotel, sensor de detección de cuerpos humanos, etc. está haciendo interfaz con el aire acondicionado.
  - Funcionalidad de sistema añadida utilizando entradas externas (contactos secos y húmedos).

Configuración de encendido/apagado de calefacción térmica (código 15)

Puede ajustar la temperatura de calefactor a encendido / apagado de acuerdo con el ambiente del área en preparación para una declaración de sobrecalentamiento o calefacción.

Valor	Térmico encendido	Térmico apagado
0	Por defecto (Diferente en cada producto)	
1	8°F(4°C)	12°F(6°C)
2	4°F(2°C)	8°F(4°C)
3	-2°F(-1°C)	2°F(1°C)
4	-1°F(-0.5°C)	1°F(0.5°C)

Configuración de calefactor de emergencia (Código 18)

Esta función solo está disponible en algunos productos.

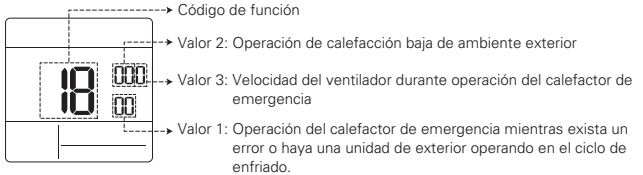
Esta función establecerá la configuración del calefactor de emergencia.

El calefactor de emergencia se usa para calentar el espacio en casos de emergencia, como un error de la bomba de calor.

El calor de emergencia se usa en vez de una bomba de calor, no como complemento.

❉ La función de configuración de calefactor de emergencia establece las siguientes condiciones:

1) Emergency heater operation while in error or outdoor unit operating in the cooling cycle.
2) Emergency heater operation in low outdoor ambient temperature.
3) Fan speed setting during emergency heater operation.



❉ Presione el botón [FAN SPEED] para ingresar valor 1, valor 2 o valor 3.

Valor 1

18:00: Deshabilitar calefactor de emergencia (Por defecto)

18:01: Habilitar calefactor de emergencia

Cuando está conectado a una unidad de interior de función general

When it connect general function indoor unit

Valor 2	Habilitar temperatura		Deshabilitar temperatura	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	No usado (por defecto)			
1	0°F	-18°C	5°F	-15°C
2	5°F	-15°C	10°F	-12°C
3	10°F	-12°C	15°F	-9°C

Cuando está conectado a una unidad de interior de función extendida

Valor 2	Habilitar temperatura		Deshabilitar temperatura	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	No usado (por defecto)			
1	-10°F	-23°C	-5°F	-20°C
2	-5°F	-21°C	0°F	-17°C
3	0°F	-18°C	5°F	-14°C
4	5°F	-15°C	10°F	-11°C
5	10°F	-12°C	15°F	-8°C
6	15°F	-9°C	20°F	-5°C
7	20°F	-7°C	25°F	-2°C
8	25°F	-4°C	30°F	1°C
9	30°F	-1°C	35°F	4°C
10	35°F	2°C	40°F	7°C
11	40°F	4°C	45°F	10°C
12	45°F	7°C	50°F	13°C
13	50°F	10°C	55°F	16°C
14	55°F	13°C	60°F	19°C
15	60°F	16°C	65°F	22°C

Valor 3

0: Ventilador apagado

1: Ventilador encendido (El ventilador está apagado cuando el calefactor está apagado)

⚠ PRECAUCIÓN

Esta configuración de función debe ser llevada a cabo por un técnico certificado.

Revise el número de dirección de la unidad de interior (Código 26)

Es la función para verificar la dirección de la unidad de interior, designada por la unidad de exterior.

Configuración de encendido/apagado de enfriado térmico (código 27)

Puede ajustar la temperatura de enfriado térmico a encendido / apagado según el ambiente del área en preparación para una declaración de sobreenfriado o enfriado.

Valor	Térmico encendido	Térmico apagado
0	1 °F(0.5°C)	-1°F(-0.5°C)
1	12°F(6°C)	8°F(4°C)
2	8°F(4°C)	4°F(2°C)
3	2°F(1°C)	-2°F(-1°C)

Configuración del rango de temperatura (código 31)

Esta función se usa para seleccionar las opciones del rango de temperatura.

Valor 00 (por defecto)

- Enfriado : 64 a 86°F(18 a 30°C)
- Calefacción : 60 a 86°F (16 a 30°C)

Valor 01

- Enfriado : 64 a 99°F(18 a 37,5°C)
- Calefacción : 40 a 86°F (4 a 30°C)

❗ NOTA

- En caso de configurar el rango de temperatura expandida (configurar), cabe señalar que la configuración del control remoto con cable puede ser alterada bajo las siguientes circunstancias.
  - En caso de enfriado de 87~99°F(30.5~37.5°C), se cambia a enfriado a 86°F (30°C).
  - En caso de calefacción de 40~59°F (4 a 15,5°C), se cambia a calefacción a 60°F (16°C).
  - Si está configurado en dos puntos de ajuste, se cambia al modo de operacion actual (enfriado o calefaccion) de la unidad de interior.

Nivel de presión estática (Código 32)

Esta es la función en la que la presión estática del producto se divide en 11 niveles para configuración.

00: Usar el valor establecido de presión estática (código 06)

01 a 11: Usar el valor establecido de paso de presión estática (código 32)

❉ Para más información del valor de cada nivel, consulte el manual del producto.

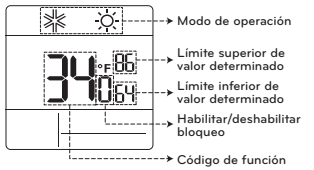
❉ Esta función se aplica solo a los productos con conductos.

❉ Configurar esto en otros casos causará un mal funcionamiento.

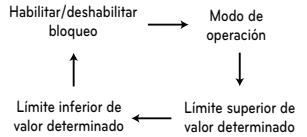
Bloqueo de rango de valores determinados (código 34)

Es la función que puede limitar el rango de la temperatura deseada que puede ser configurada en el control remoto con cable.

Cuando el rango de la temperatura está bloqueado, la temperatura deseada solo puede configurarse en el rango de los valores establecidos. Pero el valor de la temperatura deseada por la unidad de control o accesorios adicionales refleja la temperatura deseada recibida más allá del rango.



❉ Presione el botón (FAN SPEED) para seleccionar cada función como se muestra a continuación.



Metodo de control de la unidad interior	Código 31	Enfriado	Calefacción
Valor determinado simple	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Valor determinado doble	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

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CN_EXT (código 52)

Es la función para seleccionar una finalidad del puerto de entrada digital (CN_EXT) del PCB de la unidad interior.

Valor	Descripción
00	Use el valor de ajuste Nº 41 del código de instalador (valor de ajuste de contacto seco simple)
01	Encendido / apagado de funcionamiento simple
02	Contacto seco sencillo (se encarga de HL cuando el funcionamiento está desactivado.)
03	Parada de emergencia simple de unidad interior
04	Ocupado / No ocupado
05	Todas las parada de emergencia de unidad interior ※ Se puede ajustar solo cuando hay una función de parada de emergencia la unidad interior.
06	contacto de ventana ※ Solo se puede configurar cuando se incluye la función de contacto de ventana.
07	bloqueo de contacto de ventana ※ Solo se puede configurar cuando se incluye la función de bloqueo de contacto de ventana.

Prioridad de ciclo de la unidad de exterior (código 56)

Esta es la función para eliminar el límite y configurar el modo de operación cuando es eliminado, para poder seleccionar el modo de operación opuesto al modo de operación de la unidad de exterior actualmente en operación mientras el producto conectado está en modo esclavo.

❉ Cuando configura el código de instalador 08:00 (esclava de operación), de acuerdo con el estado de operación de la unidad de exterior, se restringe el modo de selección de enfriado/calefacción.

Valor 1 00 : No usar

- De acuerdo con el modo de operación de la unidad de exterior, se limita la selección de modo de operación.

❉ Los siguientes modos de operación pueden ser seleccionados de acuerdo con el ciclo de la unidad de exterior.
  - Ciclo de enfriado: automático, ventilador, enfriar, deshumidificación
  - Ciclo de calefacción: automático, ventilador, calor

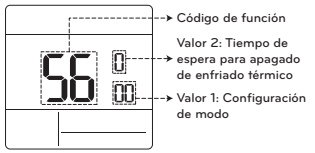
Valor 1 01 : Modo en espera

- En el caso del modo de operación opuesto al modo de operación de la unidad de exterior, mantiene su modo de operación actual. En este momento, mantiene el estado de térmico apagado + ventilador apagado.

Valor 1 02 : Enfriar

- La operación de la unidad de exterior tiene prioridad en la operación de enfriado. Es la función para permitir la operación de calefacción usando el calefactor en el producto en la operación de calefacción.

❉ Para la operación de interfaz del calefactor, configure la "configuración de calefactor de emergencia" y de "calefactor auxiliar".
  - Configuración de calefactor de emergencia - Código de instalador 18
  - Calefactor auxiliar - Código de instalador 25



❉ Presione el botón (FAN SPEED) para ingresar valor 1 o valor 2.

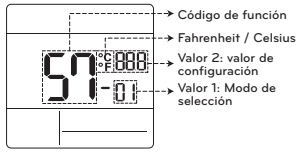
Valor 2	Tiempo de espera para apagado de enfriado térmico
0	45 minutos (por defecto)
1	30 minutos
2	60 minutos
3	90 minutos
4	120 minutos
5	No usar

ESPAÑOL

Temperatura exterior para etapas de calefacción (Código 57)

Es una función que establece valores de temperatura exterior para calefacción de dos etapas. Si el usuario ajusta la temperatura exterior T1 y △T, la unidad interior seleccionara la etapa de calentamiento entre la operación de la unidad interior y del calentador eléctrico.

❉ Cuando la configuración del calefactor de emergencia es configurada (código de instalador 18), la operación de control del calefactor de emergencia se realiza con prioridad.



❉ Presione el botón (FAN SPEED) para ingresar valor 1 o valor 2.

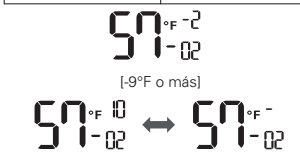
Valor 1	Select mode
1	Configuración de Usar/No usar
2	Configuración de valores para T1
3	Configuración de valores para △T

Valor 1 : 01

Valor de configuración	Descripción
0	No usar
1	Usar

Valor 1 : 02

Unidad de temperatura	Rango de configuración T1
Celsius	-23~16 °C
Fahrenheit	-10~60 °F



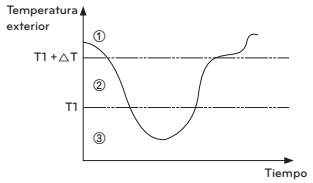
[-9°F o más]

[-10°F o menos]

Valor 1 : 03

Unidad de temperatura	Rango de configuración △T
Celsius	0~35 °C
Fahrenheit	0~70 °F

Operación de acuerdo a T1, configuración de △T y temperatura exterior.



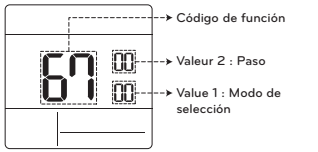
① (T1+△T < Temperatura exterior): solo se usa la bomba de calor

② (T1 < Temperatura exterior < T1 + △T) : se usa el calefactor y la bomba de calor

③ (Temperatura exterior < T1) : solo se usa el calefactor

Ajuste del ventilador con el térmico apagado (Modo de ocupación / funcionamiento) (Código 67)

Ajuste el funcionamiento de la velocidad del ventilador con el térmico apagado según el modo de ocupación y de funcionamiento.



<Modo de selección>	<Paso>
00: Refrigeración/Ocupado	00: No utilizado
01: Refrigeración/No ocupado	01: Ventilador bajo
02: Calefacción/Ocupado	02: Ajuste anterior del ventilador
03: Calefacción/No ocupado	03: Ventilador apagado


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OWNER'S &
INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
Please retain this installation manual for future reference after reading it thoroughly.

Simple Wired Remote Controller
PREMTC00U

MFL62862020
Rev.02_042919

www.lg.com

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TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING

This symbol indicates potentially hazardous situation which, if not avoided could result in death or serious injury.

⚠ CAUTION

This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

⚠ WARNING

Installation

- For electrical work, contact the dealer, seller, a qualified electrician, or an authorized service Center.
  - Do not disassemble or repair the product. There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Request to the service center or installation specialty store when reinstalling the installed product.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Do not disassemble, fix, and modify products randomly.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- The product shall be installed according to the national standards and local code.
- Apply totally enclosed noncombustible conduit in case of local building code requiring plenum.
- Use appropriate unit mounting procedures.
- Avoid direct sunlight.
- Avoid moist areas.

In-Use

- Do not place flammable objects close to the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Do not allow product to get wet.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Avoid dropping the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- If product gets wet, contact your dealer or authorized service center.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury. If the instructions are not followed, it may cause death or severe injury of the user.
- Do not use sharp or pointed objects on product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.

• Do not touch or pull the lead wire with wet hands.
- There is risk of product breakdown or electric shock.

⚠ CAUTION

In-use

• Do not clean using powerful detergents like solvent but use soft cloths.
- There is risk of fire, electric shock, explosion, equipment malfunction or deformation.

• Do not press the screen using powerful pressure.
- There is risk of product break-down or malfunction.

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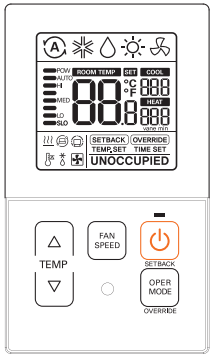
20 **INSTALLER SETTING**

20 How to enter installer setting mode

ENGLISH

DESCRIPTION

Simple wired remote controller

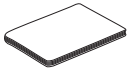


△ ▽	Temperature control button
FAN SPEED	Fan speed button
⏻	On/Off button
OPER MODE	Operation mode select button

Accessories



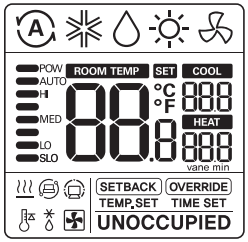
Remote controller fixing screws (2EA)



OWNER'S & INSTALLATION MANUAL

ENGLISH

Icon description



Function	Icon	Description
Operation mode	Ⓐ	**Auto mode** - Product automatically switches between cooling and heating modes.
	❄	**Cooling mode** - Product is running cooling mode.
	💧	**Dehumidification mode** - Product is running dehumidifying mode.
	☀	**Heating mode** - Product is running heating mode.
	🌀	**Fan only operating mode** - Product is running only the fan for ventilation.
Sub function	≋	**Auxiliary heat control** - Product operates Auxiliary Heat Control in heating mode.

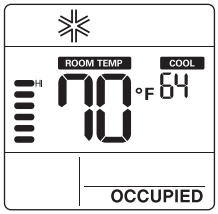
Function	Icon	Description
Temperature	88	**Current temperature** - Display current room temperature.
	COOL 888	**Cooling set point temperature** - Temperature set point for cooling operation.
	HEAT 888	**Heating set point temperature** - Temperature set point for heating operation.
Fan speed	POW AUTO HI MED LO SLO	**Displays current fan speed** **POW :** Fan speed - Power **AUTO :** Fan speed - Auto **HI :** Fan speed - High **MED :** Fan speed - Medium **LO :** Fan speed - Low **SLO :** Fan speed - Weak
Controller mode	SETBACK	**Set back operation mode** - Controller operates set back operation.
	OVERRIDE	**Override mode** - Occupied/Unoccupied state change.
Product state monitoring		Command received from central controller or outdoor unit.
		Slave indoor unit on a heat pump system prevents changing to a mode not compatible with the current outdoor unit mode.
		Outdoor unit running.
		Indoor unit pre-heating operation running.
		Defrost operation running.
Function setting	TIME SET	Override timer setting step.
	TEMP.SET	Setback cooling / heating temperature setting step.
	SET	It is displayed when is setting.

OPERATION INSTRUCTIONS - Standard Operation

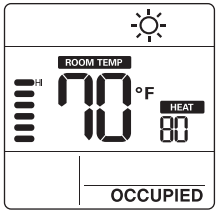
Press [OPER MODE] button several times until the desired mode is selcected.

Whenever pressing the button, the selected operation mode is changed as Auto -> cooling -> Dehumidification -> Heating -> Fan -> Auto··· .

Cooling



Heating



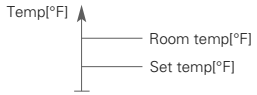
1 Adjust the desired temperature by pressing [△ TEMP ▽] buttons.

NOTE

- **Setting temperature range** is as below.
  - Cooling : 64°F ~ 86°F(18°C ~ 30°C)
    60°F ~ 86°F(16°C ~ 30°C)
    (For some models)
  - Heating : 60°F ~ 86°F(16°C ~ 30°C)
  - ❄ If connecting to indoor unit with dual set point function.
    Cooling : 50 ~ 99 °F (10 ~ 37.5 °C)
    Heating : 40 ~ 90 °F (4 ~ 32 °C)
- **Heating mode** is not available for cooling exclusive models.

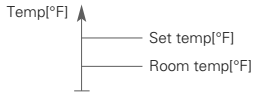
Cooling mode

Set temperature is lower than room temperature.



Heating mode

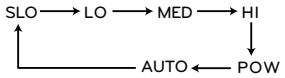
Set temperature is higher than room temperature.



Fan speed

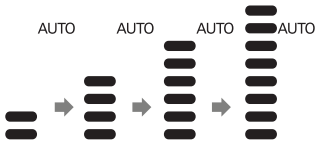
You can simply adjust desired fan speed.

1 Press FAN SPEED button to change fan speed.

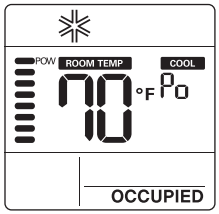


❉ Some fan speed may not operate depending on the product.

❉ AUTO fan speed
- It is displayed as an animation effect like below.



Power cooling

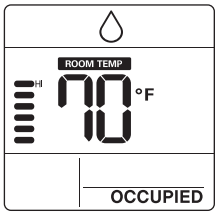


1 Press FAN SPEED button until 'Po' is displayed.

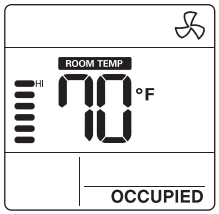
NOTE

- Power cooling quickly lowers the indoor temperature.
  - Desired temperature: 64°F(18°C)
  - Fan speed : Power fan speed
  - Fan direction: Current fan direction
- If fan speed or desired temperature is changed, the power cooling is cleared, and it operates in the cooling operation mode.
- This function may not be supported, depending on the models.

Dehumidification



Fan



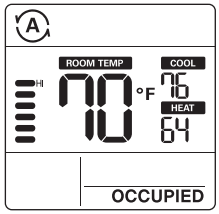
1 Press FAN SPEED button repeatedly to adjust the fan speed.

NOTE

- In dehumidification/fan mode
  - You cannot adjust set temperatures.
  - The menu items of fan speed might not be partially selected depending on the product functions.
- Using dehumidification mode in rainy season or high humidity climates, you can feel dehumidification and cooling mode at the same time.
- Fan mode only circulates the indoor air without changing the room temperature.

Auto operation (Dual set points)

This function automatically manages room temperature based on two types of set temperature(cooling and heating) and provides a comfortable environment.



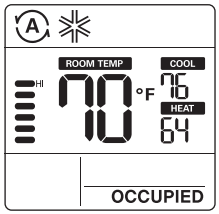
1 Press OPER MODE button to select auto mode(Dual set points control).

2 Press TEMP buttons and then cooling and heating temperature will blink.

3 You can control the blinking temperature by pressing TEMP bottons.

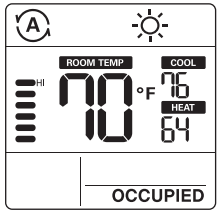
❉ If you want to control each temperature, press OPER MODE botton when temperature icons blink.

Cooling operation state

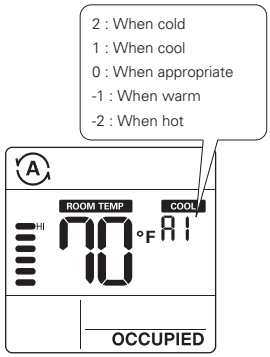


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Heating operation state



For the case of cooling only model, you can adjust the temperature from hot to cold, from "-2" to "2" based on "0".

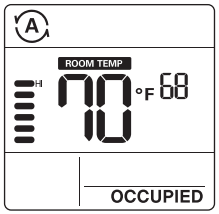


NOTE

- When remote controller has a connection with indoor unit that does not support 'dual setpoint', thermal operation function of indoor unit is replaced with ON/Off control from the wired remote, when the user sets target temperatures in the below ranges.
  - cooling target temp. range : 87~99 °F (30.5~37.5 °C)
  - heating target temp. range : 40~59 °F (4~15.5 °C).

Auto operation (Single set point)

This function automatically manages room temperature based on set temperature and provides a comfortable environment.



1 Press OPER MODE button to select auto mode.

2 Press TEMP buttons and then temperature will blink.

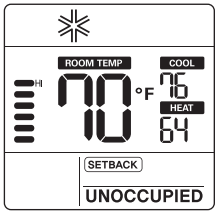
3 You can control the blinking temperature by pressing TEMP bottons.

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OPERATION INSTRUCTIONS - Sub Function

Setback

The setback operation returns to the set temperature until the setback operation is canceled.

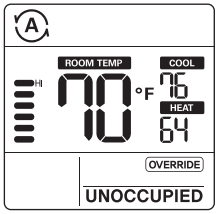


1 Press ⏻ button for 3 seconds, you can operate/cancel setback.

❉ You cannot change the setting in setback operation, except to cancel the mode.
- 'HL' lock is displayed on the window.

Override

The override operation temporarily returns to the set temperature until the override operation is canceled.

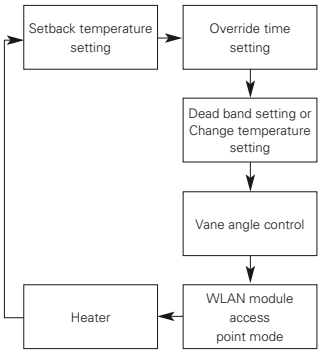


1 Press OPER MODE button for 3 seconds, you can operate/cancel override.

❉ You cannot change the setting in override operation, except to set sub function and cancel the mode.
- 'HL' lock is displayed on the window.
- It is only applied for 'UNOCCUPIED'.

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Press the FAN SPEED button for 3 seconds. You can enter to sub function setting mode and press the FAN SPEED button repeatedly to change the sub function mode in the following order.

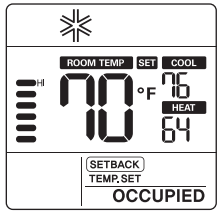


❉ Some functions may not operate depending on the product.

❉ Dead band setting – When it connects with an dual set points control product.
Change temperature – When it connect with single set point control product.

Setting the setback temperature

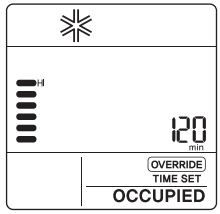
1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the setback mode.
3 Press OPER MODE button to select cool/heat temperature.
4 Press TEMP △ ▽ button to change the temperature.
5 Press ⏻ button to set temperature.
6 Press FAN SPEED button for 3 seconds.



Setting the override time

1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the override mode.
3 Press TEMP △ ▽ button to select override time.
4 Press ⏻ button to set override time.
5 Press FAN SPEED button for 3 seconds.

❉ You can set in units of 30 minutes.

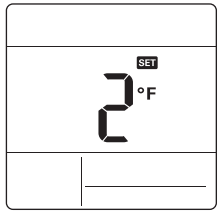


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Dead band (Dual set points)

This function sets the minimum difference between heating and cooling set points.

❉ This function is used in connection with the dual set points control product.

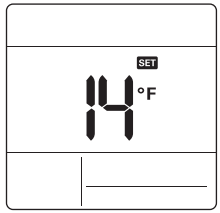


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the dead band mode.
3 Press TEMP △ ▽ button to change the dead band temperature. (0 ~ 10°F/0 ~ 5°C)
4 Press ⏻ button to set temperature.
5 Press FAN SPEED button for 3 seconds.

Change temperature setting (Single set point)

Change temperature is the function to setup air-cooling and heating drive automatically changeable according to the temperature at single set point auto operation mode.

❉ This function is used in connection with the single set point control product.



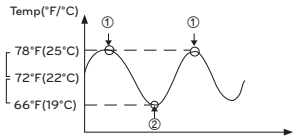
1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the change temperature setting mode.
3 Press TEMP △ ▽ button to change the temperature. (2 ~ 14°F/1 ~ 7°C)
4 Press ⏻ button to set temperature.
5 Press FAN SPEED button for 3 seconds.

Example of using change temperature

Condition
1) Mode: Auto mode
2) Temperature: 72°F(22°C)
3) Change Temperature: 6°F(3°C)

❉ In case of the above conditions, it operates as in the graph.

① : Cooling operation start
② : Heating operation start

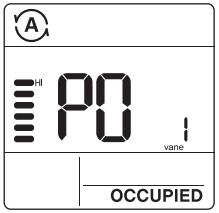


❉ This function may not work in some products.

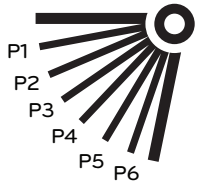
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Vane angle control

This function is to adjust airflow angle.

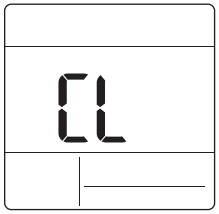


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the vane angle control mode.
3 Press OPER MODE button to select indoor unit vane. (1,2,3,4,All)
4 Press △ TEMP ▽ button to change the vane angle. (P1 ~ P6)
5 Press ⏻ button to set vane angle.
6 Press FAN SPEED button for 3 seconds.



Child lock

It is the function to prevent children or others from careless using.



1 Press △ button and FAN SPEED botton for 3 seconds, you can operate child lock.
2 As for the releasing method, press △ button and FAN SPEED botton for 3 seconds.

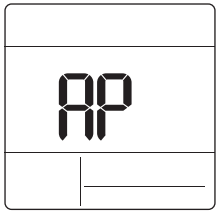
❉ At the time of initial setting of the 'Child Lock', the 'CL' will be indicated approx. 3 seconds at the temperature display section before resuming to the previous mode.

❉ After the setting of the 'CL', if another button is setup, the button can not be recognized as the 'CL' is indicated at the temperature display section for approx. 3 seconds.

WLAN module access point mode

It is the function to operate WLAN (Wireless LAN) module connected to the product in access point mode.

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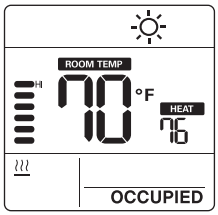


1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the WLAN module access point mode.
3 While WLAN module is operating in access point mode, the term of 'AP' blinks on the screen of wired remote controller.
4 Press FAN SPEED button for 3 seconds.

❉ This function is only available for select models that support the WLAN Module.
❉ Refer to the installation manual of indoor unit whether available or not.

Heater

It is the function to reinforce the heating capability by turning on the electric heater during the heating operation.



1 Press FAN SPEED button for 3 seconds.
2 Press FAN SPEED button to move the heater mode.
3 Press ⏻ button to select heater mode 'on/off'
4 Press FAN SPEED button for 3 seconds.

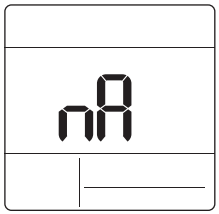
❉ This function may not work in some products.

Mode lock button

This function prevents changes to mode setting.

1 Press ▽ button and FAN SPEED button simultaneously for 3 seconds to use mode lock.

❉ If you press the OPER MODE button while mode lock is in use, the following screen appears.



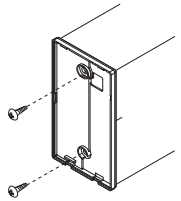
❉ As for the releasing method, press ▽ button and FAN SPEED botton for 3 seconds.

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INSTALLATION INSTRUCTIONS

Installation

1 Please fasten the back plate securely to the wall using the provided screws.
Please ensure to not bend the back plate as this could cause issues with installation.

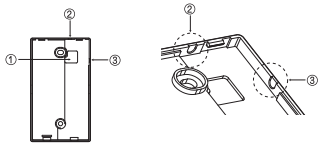


2 There are three different wiring configurations.

① Through the surface of the wall

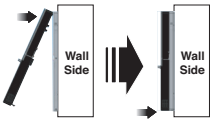
② Upper section of Remote Controller

③ Right section of Remote Controller

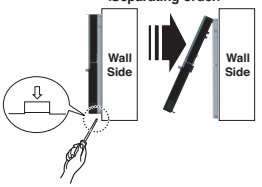


3 **Please secure remote controller upper part into the backplate attached to the surface of the wall, as pictured below, and then, connect with backplate by pressing lower part.**
Please make sure to leave no gaps on the top, bottom, left or right sides between the remote controller and backplate.
Before assembly with the backplate, arrange the Cable not to interfere with circuit parts.
Remove remote controller by inserting a screwdriver into the lower separating holes and twisting to release the controller from backplate.
There are two separating holes. Please individually separate one at a time.
Please be careful not to damage the inside components when separating.

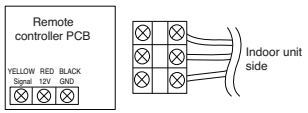
<Connecting order>



<Separating order>



4 Please refer to the following directions when connecting the indoor unit and the wired remote controller together.



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CAUTION

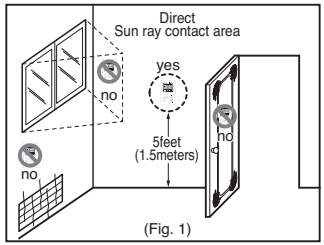
When installing the wired remote controller do not bury it in the wall. (It can cause damage in the temperature sensor.)
Do not exceed 164ft(50m) for cable length.
(It can cause communication error.)
Specification of LG supplied extension cable : AWG 24, 3 conductor or above.
(Model : PZCWRC1)

Remote controller installation

Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature. Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.

Do not install the remote controller where it can be affected by:

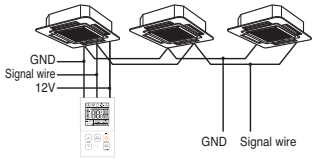
- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with LCD display. For proper display of the remote controller LCD's, the remote controller should be installed properly as shown in Fig.1. (The standard height is 4~5 ft (1.2~1.5 m) from floor level.)



(Fig. 1)

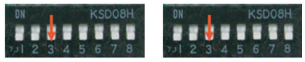
When installing more than 2 units of air conditioner to one Thermostat, please connect as pictured to the right.

- Set one indoor unit to master and the remaining to slave.



When controlling multiple indoor units with one Thermostat, you must change the master/slave setting from the indoor unit.

- Once DIP S/W is set, recycle power. When recycling power, please remain in OFF position for at least 1 minute for new settings to take effect.
- For ceiling type cassette and duct product group, change the switch setting of the indoor PCB.



#3 switch OFF: Master (Factory default setting)

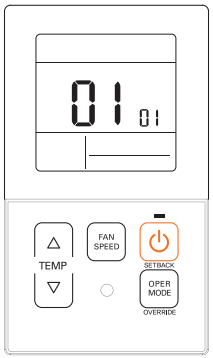
#3 switch ON: Slave

- For wall-mount type and stand type product, change the master/slave setting with the wireless.
Thermostat. (Refer to wireless Thermostat manual for additional information)
When controlling the group, some advanced functions (excluding basic operation setting, fan level Low, med, high, Thermostat lock setting and time setting) may be limited.

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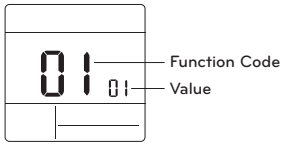
INSTALLER SETTING

How to enter installer setting mode



1 Press △ button and OPER MODE button simultaneously for 3 seconds to enter the installer setting mode.

2 When you enter the setting mode initially, function code is displayed on the LCD screen.



3 Press OPER MODE button to select function code.

4 Press △ TEMP ▽ button to change value.

5 Press ⏻ button to set value.

6 Press △ button and OPER MODE button simultaneously for 3 seconds to exit installer setting mode.

⚠ CAUTION

Installer setting mode is to set the detail function of the remote controller. If the installer setting mode is not set correctly, it can cause problems to the product, user injury or property damage. This must be set by an certificated installer, and any installation or change that is carried out by a non-certificated person should be responsible for the results. In this case, free service cannot be provided.

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<Installer setting code table>

1) General air-conditioner product

Code No.	Function Name	Value	Description
1	Test run mode	00 : Normal operation (Default) 01 : Initiate cooling test mode 02 : Initiate heating test mode	Initiate IDU test mode.
2	Address setting	02 : XX: central control address number (00~FF)	Assign a unique hexadecimal address when used with central controller.
3	E.S.P. function	[Select fan speed] 01 : Slow 02 : Low 03 : Middle 04 : High 05 : Power <Example> 03 255 Function code / Fan speed / E.S.P value E.S.P value : 000~255	Please refer to engineering manual for specific product data. "000" is the number displayed for factory settings. If code3 value(s) are changed from default setting (000) then code5, code6 & code32 values will not be used. Only selected products have five speeds.
4	Temperature sensor setting	01 : Use wired remote controller sensor (Default) 02 : Use indoor unit return sensor 03 : 2TH sensor - Cooling : higher sensor value is used - Heating : lower sensor value is used	Select the thermistor value that will be used to control room temp.
5	Ceiling height	[Ceiling height] 01 : Low 02 : Standard (Default) 03 : High 04 : Very high	Simplified air volume setting for cassette and console product. Select the value that cooresponds to the ceiling height the product is installed at.
6	Static pressure	Zone state - E.S.P standard value 01 : Variable -High 02 : Fixed-High 03 : Variable-Low 04 : Fixed-Low	Simplified air volume setting for ducted product. Select the value that corresponds to the type of duct system attached to the product.
8	Override master/slave setting	00 : Slave unit (Default) 01 : Master unit	This function is available for use with MV HP system. One IDU is selected as a master and will communicate it's mode to the other slave IDUs. The slave IDUs will prohibit/gray out opposite mode selection.
9	Dry contact mode setting	00(Default) : - Input closed = Enable remote - Input open = Stop IDU and disable remote 01 : - Input closed = Start IDU and enable remote - Input open = Stop IDU and disable remote	This function is available for use with simple dry contact.

ENGLISH

Code No.	Function Name	Value	Description
12	Celsius / Fahrenheit switching	00 : Celsius 01 : Fahrenheit (Default)	Celsius or Fahrenheit.
15	Heating thermal on/off setting	0 : Default. Each indoor unit has different value with product type. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/ +2 °F (-1 °C/+1 °C) 4 : -1 °F/ +1 °F (-0.5 °C /+0.5 °C) *Option 4 is available under fahrenheit unit use condition of code12.	It can adjust the heating thermal on / off temperature according to the field environment in preparation for over heating or heating claim.
17	Celsius temperature unit	00 : Celsius 1°C control (Default) 01 : Celsius 0.5°C control	Temperature resolution
18	Emergency heater setting	[Value 1] 00 : Disable emergency heater (Default) 01 : Enable emergency heater [Value 2] 0 : Disable emergency heater in low ambient temperature 1~15 : Enable emergency heater at low ambient temperature 01 : -10F, 02 : -5F, 03 : 0F, 04 : 5F, 05 : 10F 06 : 15F, 07 : 20F, 08 : 25F, 09 : 30F, 10 : 35F 11 : 40F, 12 : 45F, 13 : 50F, 14 : 55F, 15 : 60F [Value 3] 0 : Fan off 1 : Fan on (Fan is off when heater is off)	Setting value 1 enables auxiliary heater to be used when ODU has an error code. Setting value 2 enables ODU to be locked out based on selected outside temperature and enables auxiliary heater to be used. Setting value 3 determines fan operation during thermal on with auxiliary heater.
19	Function setting in group control	00 : Disable extended functions (Default) 01 : Enable extended functions	Standard function : On/Off, Mode, Air flow (Low/Mid/High), Set point, Schedule Extended function: Air angle control(all), Swirl, Air up/down, Air right/left, Energy saving cooling, Fan Auto
20	Plasma purification	00 : Disable 01 : Enable (Default)	It is a function to set whether Plasma purification is enable or not.
21	Auxiliary heat control	00 : Manual heat control disabled 01 : Manual heat control enabled (Default)	This setting allows user to enable/disable the auxiliary heat in sub function menu.
25	External auxiliary heat kit	00 : Not installed 01 : Installed (Default)	This function must be enabled to use external auxiliary heat kit.

ENGLISH

Code No.	Function Name	Value	Description
26	Check indoor unit address number	XX(assigned address)	Display ODU assigned IDU address.
27	Cooling thermal on/off setting	0 : default, +1 °F/-1 °F(+0.5 °C/-0.5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	It can adjust the cooling thermal on / off temperature according to the field environment in preparation for over cooling or cooling claim. *This function available from Gen 4 indoor unit series.
29	Setting for refrigerant leak detector	00 : Not installed (Default) 01 : Installed	Enable this function after installing external refrigerant leakage detection device.
30	SW version	Display remote SW version	Remote SW version
31	Setting temperature range	00 : 60~86°F(16~30°C) (Default) 01 : 40~99°F(4~37.5°C)	If the extended temperature range is set refer to the following. - Cooling 87~99°F (30.5~37.5°C) -> 86°F(30°C). - Heating 40~59°F (4~15.5°C) -> 60°F(16°C). - If set on dual set points, it is changed to the current operation mode(cooling or heating) of the indoor unit.
32	Static pressure step	00 : Use static pressure (code 06) set value (Default) 01~11 : Static pressure step (code 32) set value	If code3 value(s) are changed from their default settings (000) then code32 values will not be used. Extended simplified air volume setting for ducted product.
33	Guard timer	00 : 0 minute 01 : 15 minutes (Default) 02 : 30 minutes 03 : 45 minutes 04 : 60 minutes	Minimum time that must elapse before system can change to opposite mode. (example: change from heat to cool mode)
34	Set point range lock	00 : Disable (Default) 01 : Enable	limits the heating and cooling setpoint range that the user can select. For more detail information see the following instruction
35	Cooling thermal off fan operation	00 : Fan low (Default) 01 : Fan off 02 : Previous fan setting	Set the fan speed operation during cooling thermal off
36	Primary heater control	00 : HP first stage heat (Default) 01 : HP last stage heat	Installer to select heat pump to operate as first or last stage of heat with use of external heat kit.

ENGLISH

Code No.	Function Name	Value	Description
37	Hold enable/Disable	00 : Hold disable (Default) 01 : Hold enable	Prevent or allow user to select hold function.
38	Air conditioner fan operation interlocked with ventilation	00 : Fan low(Default) 01 : Fan off	If cassette has a ventilation kit installed then it is desirable to limit air from flowing through the air filter in a direction opposite of design flow.
39	IDU auto start setting	00 : Enable auto restart (Default) 01 : Disable auto restart	Installer to select if IDU should be on or off after power is restored to IDU.
40	Occupancy duration time setting	00 : 0 minute (Default) 01 : 10 minutes 02 : 30 minutes 03 : 60 minutes	Time that IDU is on after transition to occupied mode.
41	Simple dry contact setting (CN_CC connection)	00 : Simple dry contact auto identification (Default) 01 : Disable the function. 02 : Enable simple dry contact function 03 : Enable simple dry contact function with CN_EXT port	This function is used when simple dry contact unit is additionally installed in the indoor unit or the installed simple dry contact unit is removed.
46	Setting the fan continuous	00 : Not used 01 : Used	It is the function to set the continuous operation of the indoor fan. Even if the room air temperature reaches the set point through the indoor unit operation it is the ability to keep set fan speed longer than does not setting.
47	Outdoor unit function setting master/slave	00 : Outdoor unit function slave 01 : Outdoor unit function master	This function make connected indoor unit as a master indoor unit that can set functions related to outdoor unit operation. Outdoor unit accepts for only one indoor unit that can set functions related to outdoor unit operation.
48	Function of indoor unit silent mode	00 : Not used 01 : Silent mode low 02 : Silent mode high	It is the function to reduce the refrigerant noise occurred at the initial stage of the operation of the indoor unit at the heating mode.
49	Setting the outdoor unit defrost mode	00 : Not used 01 : Forced remove piled snow mode 02 : Fast defrost mode 03 : Forced remove piled snow and fast defrost mode	It is the function to select the defrost or snow remove function of the outdoor unit.
51	Setting temperature-based fan speed 'auto'	00 : Not used 01 : Use temperature-based fan speed 'auto'	Temperature-based fan speed 'auto' function is the function to change the fan speed according to the difference between the room temperature and the set point.

ENGLISH

Code No.	Function Name	Value	Description
52	CN_EXT	00 : Use installer code No. 41 setting value (simple dry contact setting value) 01 : Simple operation on/off 02 : Simple dry contact (It takes HL when operation is off.) 03 : Indoor unit single emergency stop 04 : Occupied / unoccupied 05 : Indoor unit all emergency stop ※ It can be set only when there is indoor unit emergency stop function. 06 : Window contact ※ It can be set only when there is window contact function. 07 : Window contact lock ※ It can be set only when there is window contact lock function.	It is the function to set a purpose of digital input port(CN_EXT) of indoor unit PCB.
56	Outdoor unit cycle priority	<Select mode> < Step > 00 : Not use [Not use, Standby] 01 : Standby None 02 : Cool [Cool] 0~5 Step	It is the function to clear the limit and set the operation mode when it is cleared, to be able to select the operation mode opposite to the operation mode of the outdoor unit currently in operation while the connected product is in slave mode.
57	Outdoor temperature for heating stages	<Select mode> <Setting range> 01 : Use/Not use [Use/Not use] 02 : T1 None 03 : △T [T1 setting range] -10~60°F(-23~16°C) [△T setting range] 0~70°F(0~35°C)	It is a function that sets outdoor temperature values for two stage heating. If user set outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.
61	Room temperature compensation	Compensation temperature setting range : -10°F ~ 10°F(-5°C ~ 5°C)	This function adjusts the room temperature displayed on the product to match the actual room temperature.
64	Air volume control	00 : Default 01 : +10% 02 : -10%	This function is available to change target air volume.
67	Fan setting during thermal off (Occupancy / Operation mode)	<Select mode> 00: Cooling / Occupied 01: Cooling / Unoccupied 02: Heating / Occupied 03: Heating / Unoccupied <Step> 00: Not Used 01: Fan Low 02: Previous fan Setting 03: Fan off	Set the fan speed opreation during thermal off condition according to occupancy and operation mode. This setting has the highest priority to all related fan setting.

❉ Some contents may not be displayed depending on the product function.

Test run mode (Code 1)

After installing the product, you must run a Test run mode.
For details related to this operation, refer to the product manual.

00 : Normal operation (Default)
01 : Initiate cooling test mode
02 : Initiate heating test mode

During the test run, pressing the below button will exit the test run.
- On/Off, temp, fan speed, oper mode button.

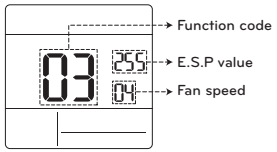
Address setting (Code 2)

Sets the central control address of the indoor unit during the central controller connection.

XX : central control address number (00~FF)

E.S.P. function (Code 3)

Sets the wind amount value corresponding to each wind amount for easy installation.



[Select fan speed] E.S.P value : 000~255
01 : Slow
02 : Low
03 : Middle
04 : High
05 : Power

❉ Press FAN SPEED button to select fan speed or E.S.P value.

NOTE

- Please be careful when adjusting ESP values.
- It does not work to setup ESP value for slow/power step for some products.
- ESP value range is dependent on product.

Temperature sensor setting (Code 4)

Determines if you will use the indoor unit mounted sensor or the remote controller sensor.

<Thermistor table>

Temperature sensor selection			Function
01	Thermostat		Operate according to thermostat temperature sensor
02	Indoor unit		Operate according to indoor unit temperature sensor
03	2TH	Cooling	Operate according to higher temperature by comparing indoor unit's and thermostat's temperature. (There are products that operate at a lower temperature.)
		Heating	Operate according to lower temperature by comparing indoor unit's and thermostat's temperature.

❉ The function of 2TH has different operation characteristics according to the product.

Ceiling height (Code 5)

Controls the fan speed stage according to the ceiling height in the ceiling type product.

<Ceiling height selection table>

Ceiling height level		Description
01	Low	Decrease the indoor airflow rate 1 step from standard level
02	Standard	Set the indoor airflow rate as standard level
03	High	Increase indoor airflow rate 1 step from standard level
04	Very High	Increase indoor airflow rate 2 steps from standard level

❉ Ceiling height setting is only available for some products.
❉ Ceiling height of 'Very high' function may not exist depending on the indoor unit.
❉ Refer to the product manual for more details.

Static pressure (Code 6)

Static pressure setting can be set only in the duct products. (It cannot be set in other products.)

<Static pressure setting table>

Pressure selection		Function	
		Zone state	ESP standard value
01	V-H	Variable	High
02	F-H	Fixed	High
03	V-L	Variable	Low
04	F-L	Fixed	Low

Override master/slave setting (Code 8)

The operation master / slave selection function is to avoid other mode operations, and it is the function to prevent the selection of opposite mode of the indoor unit master by the indoor units set as slaves.

M/S		Description
01	Master	Using group control, this master sets the mode of slave IDU's.
02	Slave	For the indoor unit set as slave, it can only select the some operation mode of the master indoor unit cycle. Ex) Master is in cooling cycle, slave can select cooling, dehumidification, auto, and wind only. Master is in heating cycle, slave can select auto, heating, and wind only.

NOTE

- Override M/S setting function is only available in some products.

Dry contact mode setting (Code 9)

Dry contact function is the function that can be used only when the dry contact devices is separately purchased and installed.

NOTE

- For dry contact mode related detail functions, refer to the individual dry contact manual.
- What is dry contact?
  - It means the contact point signal input when the hotel card key, human body detection sensor, etc. are interfacing with the air conditioner.
  - Added system functionality by using external inputs (dry contacts and wet contacts).

Heating thermal on/off setting (Code 15)

You can adjust the heating on / off temperature according to the field environment in preparation for over heating or heating claim.

Value	Thermal on	Thermal off
0	Default(Different from each product)	
1	8°F(4°C)	12°F(6°C)
2	4°F(2°C)	8°F(4°C)
3	-2°F(-1°C)	2°F(1°C)
4	-1°F(-0.5°C)	1°F(0.5°C)

Emergency heater setting (Code 18)

This function is only available on some products.

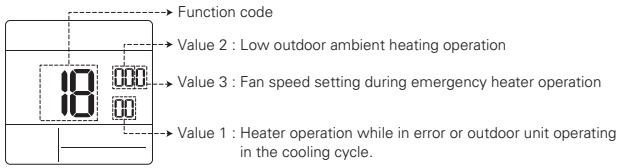
This function will set the emergency heater setting.

Emergency heater is used to heat the space in emergency cases such as heat pump error.

Emergency heat is in place of and does not supplement heat pump.

❉ Emergency heater setting function sets following conditions:

1) Emergency heater operation while in error or outdoor unit operating in the cooling cycle.
2) Emergency heater operation in low outdoor ambient temperature.
3) Fan speed setting during emergency heater operation.



❉ Press FAN SPEED button to value 1, value 2 or value 3.

Value 1

18:00 : Disable emergency heater (Default)
18:01 : Enable emergency heater

When it connect general function indoor unit

Value 2	Enable temperature		Disable temperature	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Not used(Default)			
1	0°F	-18°C	5°F	-15°C
2	5°F	-15°C	10°F	-12°C
3	10°F	-12°C	15°F	-9°C

When it connect extended function indoor unit

Value 2	Enable temperature		Disable temperature	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Not used(Default)			
1	-10°F	-23°C	-5°F	-20°C
2	-5°F	-21°C	0°F	-17°C
3	0°F	-18°C	5°F	-14°C
4	5°F	-15°C	10°F	-11°C
5	10°F	-12°C	15°F	-8°C
6	15°F	-9°C	20°F	-5°C
7	20°F	-7°C	25°F	-2°C
8	25°F	-4°C	30°F	1°C
9	30°F	-1°C	35°F	4°C
10	35°F	2°C	40°F	7°C
11	40°F	4°C	45°F	10°C
12	45°F	7°C	50°F	13°C
13	50°F	10°C	55°F	16°C
14	55°F	13°C	60°F	19°C
15	60°F	16°C	65°F	22°C

Value 3

0 : Fan off
1 : Fan on (Fan is off when heater is off)

CAUTION

This function setting must be carried out by a certified-technician.

Check indoor unit address number (Code 26)

It is the function to verify the indoor unit address designated by the outdoor unit.

Cooling thermal on/off setting (Code 27)

It can adjust the cooling thermal on / off temperature according to the field environment in preparation for over cooling or cooling claim.

Value	Thermal on	Thermal off
0	1°F(0.5°C)	-1°F(-0.5°C)
1	12°F(6°C)	8°F(4°C)
2	8°F(4°C)	4°F(2°C)
3	2°F(1°C)	-2°F(-1°C)

Setting temperature range (Code 31)

This function is used to select the temperature range options.

Value 00 (Default)
- Cooling : 64~86°F(18~30°C)
- Heating : 60~86°F(16~30°C)

Value 01
- Cooling : 64~99°F(18~37.5°C)
- Heating : 40~86°F(4~30°C)

NOTE

- In case of the setting expanded temperature range (set), please note that the setting of the wired remote controller can be altered under below circumstances.
  - In case of cooling at 87~99°F(30.5~37.5°C), it is changed to cooling at 86°F(30°C).
  - In case of heating at 40~59°F(4~15.5°C), it is changed to heating at 60°F(16°C).
  - If set on dual set points, it is changed to the current operation mode(cooling or heating) of the indoor unit.

Static pressure step (Code 32)

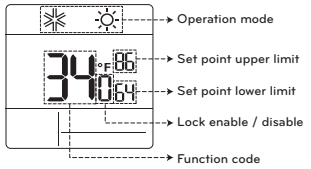
This is the function that static pressure of the product is divided in 11 steps for setting.

00 : Use static pressure(code 06) set value
01~ 11 : Use static pressure step (code 32) set value

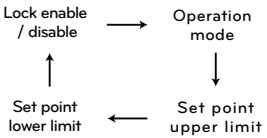
❉ Refer to the product manual for information on each step value.
❉ This function is applied to only duct type.
❉ Setting this in other cases will cause malfunction.

Set point range lock (Code 34)

It is the function that can limit the range of the desired temperature that can be set in the wired remote controller.
When the temperature range is locked, the desired temperature can be set only in the range of the set value. But, the desired temperature value by central control unit or additional accessories reflects the desired temperature received beyond the range.



❉ Press FAN SPEED button to select each function like below.



Indoor unit control method	Code 31	Cooling	Heating
Single set point	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Dual set points	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

ENGLISH

CN_EXT (Code 52)

It is the function to set a purpose of digital input port(CN_EXT) of indoor unit PCB.

Value	Description
00	Use installer code No. 41 setting value (simple dry contact setting value)
01	Simple operation on/off
02	Simple dry contact (It takes HL when operation is off.)
03	Indoor unit single emergency stop
04	Occupied / unoccupied
05	Indoor unit all emergency stop ※It can be set only when there is indoor unit emergency stop function.
06	Window contact ※It can be set only when there is window contact function.
07	Window contact lock ※It can be set only when there is window contact lock function.

Outdoor unit cycle priority (Code 56)

It is the function to clear the limit and set the operation mode when it is cleared, to be able to select the operation mode opposite to the operation mode of the outdoor unit currently in operation while the connected product is in Slave mode.

❉ When you set installer code 08:00 (operation slave), according to the operation status of the outdoor unit, cooling/heating mode selection is restricted.

Value 1 00 : Not use

- According to the outdoor unit operation mode, operation mode selection is limited.

❉ The following operation modes can be selected according to the outdoor unit cycle.

- Cooling cycle: auto, fan, cool, dehumidification
- Heating cycle: auto, fan, heat

Value 1 01 : Standby

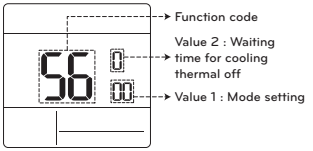
- In case of the operation mode opposite to the outdoor unit operation mode, it maintains the current operation mode. At this time, it maintains thermal off + fan off state.

Value 1 02 : Cool

- Outdoor unit operation has priority in cooling operation. It is the function to enable the heating operation by heater in the product in heating operation.

❉ For heater interface operation, set 'emergency heater setting' and 'auxiliary heater'.

- Emergency heater setting – installer code 18
- Auxiliary heater – installer code 25



❉ Press FAN SPEED button to select value 1 or value 2.

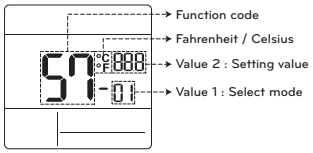
Value 2	Waiting time for cooling thermal off
0	45 minutes (default)
1	30 minutes
2	60 minutes
3	90 minutes
4	120 minutes
5	Not use

ENGLISH

Outdoor temperature for heating stages (Code 57)

It is a function that sets outdoor temperature values for two stages heating. If user sets outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.

❉ When the emergency heater setting is set (installer code 18), emergency heater control operation is performed with priority.



❉ Press FAN SPEED button to select value 1 or value 2.

Value 1	Select mode
1	Use/Not use setting
2	T1 value setting
3	△T value setting

Value 1 : 01

Setting value	Description
0	Not use
1	Use

Value 1 : 02

Temperature unit	T1 setting range
Celsius	-23~16°C
Fahreneit	-10~60°F



[-9°F or higher]

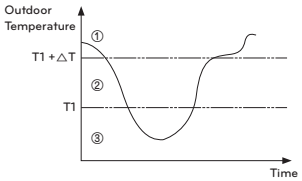


[-10°F or lower]

Value 1 : 03

Temperature unit	△T setting range
Celsius	0~35°C
Fahreneit	0~70°F

Operation according to T1, △T setting and outdoor temperature.



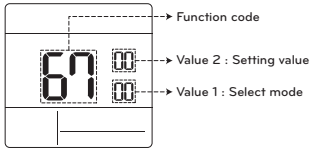
① (T1 +△T < Outdoor temperature) : only heat pump used

② (T1 < Outdoor temperature < T1 + △T) : both heater and heat pump used

③ (Outdoor temperature < T1) : only heater used

Fan setting during thermal off (Occupancy / Operation mode) (Code 67)

Set the fan speed opreation during thermal off condition according to occupancy and operation mode.



<Select mode>	<Step>
00: Cooling / Occupied	00 : Not used
01: Cooling / Unoccupied	01 : Fan low
02: Heating / Occupied	02 : Previous fan setting
03: Heating / Unoccupied	03 : Fan off

FRANÇAIS

MANUEL D'INSTALLATION ET D'UTILISATION

CLIMATISEUR

Veuillez lire entièrement ce manuel d'installation avant d'installer le produit.
Les travaux d'installation doivent être effectués conformément aux normes de câblage nationales par du personnel autorisé seulement.
Veuillez conserver ce manuel d'installation pour référence ultérieure après l'avoir lu attentivement.

Boîtier de commande à distance câblé simple
PREMTC00U

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CONSEILS POUR ÉCONOMISER DE L'ÉNERGIE

Voici quelques conseils qui vous aideront à réduire la consommation d'énergie lorsque vous utilisez le climatiseur. Vous pouvez utiliser votre climatiseur de manière plus efficace en vous reportant aux directives ci-dessous :

- N'abaissez pas excessivement la température à l'intérieur de votre domicile. Cela peut être dangereux pour votre santé et augmenter la consommation d'électricité.
- Bloquez la lumière du soleil en tirant les stores ou les rideaux lorsque le climatiseur est en marche.
- Gardez les portes et les fenêtres hermétiquement fermées lorsque le climatiseur est en marche.
- Réglez l'orientation du débit d'air verticalement ou horizontalement pour faire circuler l'air intérieur.
- Augmentez la vitesse du ventilateur pour refroidir ou réchauffer rapidement l'air intérieur.
- Ouvrez les fenêtres régulièrement pour aérer les pièces puisque la qualité de l'air intérieur peut se détériorer si le climatiseur est utilisé pendant plusieurs heures.
- Nettoyez le filtre à air une fois toutes les deux semaines. La poussière et les impuretés recueillies dans le filtre à air peuvent bloquer le débit d'air ou diminuer l'efficacité des fonctionnalités de refroidissement et de déshumidification.

Pour vos dossiers

Agrafez votre reçu à cette page au cas où vous en auriez besoin pour fournir une preuve de la date d'achat ou pour les besoins de la garantie. Inscrivez le numéro du modèle et le numéro de série ici :

Numéro du modèle :

Numéro de série :

Vous pourrez trouver ces numéros sur une étiquette située sur le côté de chaque appareil.

Nom du détaillant :

Date d'achat :

CONSIGNES DE SÉCURITÉ IMPORTANTES

LISEZ TOUTES LES CONSIGNES AVANT D'UTILISER L'APPAREIL.

Respectez les précautions suivantes en tout temps pour éviter les situations dangereuses et assurer le rendement optimal de votre produit.

⚠ AVERTISSEMENT

Ce symbole indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, peut entraîner des blessures graves ou la mort.

⚠ MISE EN GARDE

Ce symbole indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures mineures ou modérées.

⚠ AVERTISSEMENTS

Installation

- Pour les travaux d'électricité, contactez le détaillant, le vendeur, un électricien qualifié ou un centre de service agréé.
  - N'essayez pas de démonter ou de réparer le produit. Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Faites une demande au centre de service ou à une boutique spécialisée en installation lors de la réinstallation du produit installé.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- N'essayez pas de démonter, de réparer et de modifier les produits au hasard.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Le produit doit être installé conformément aux normes nationales et aux codes locaux en vigueur.
- Utilisez un conduit non combustible entièrement fermé dans le cas d'un code du bâtiment local exigeant une chambre de distribution.
- Utilisez les procédures adéquates de montage de l'appareil.
- Évitez la lumière directe du soleil.
- Évitez les endroits humides.

Pendant l'utilisation

- Ne placez pas d'objets inflammables à proximité du produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Ne mouillez pas le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Évitez de faire tomber le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.

- Si le produit est mouillé, contactez votre détaillant ou le centre de service agréé.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure. Le non-respect de ces consignes peut entraîner des blessures graves ou la mort de l'utilisateur.
- N'utilisez pas d'objets tranchants ou pointus sur le produit.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris d'équipement ou de blessure.
- Ne touchez pas au fil de sortie et ne tirez pas dessus lorsque vous avez les mains mouillées.
  - Il existe un risque de bris du produit ou de décharge électrique.

⚠ MISES EN GARDE

Pendant l'utilisation

- Ne nettoyez pas l'appareil à l'aide de détergents puissants comme du solvant; utilisez plutôt des chiffons doux.
  - Il existe un risque d'incendie, de décharge électrique, d'explosion, de bris ou de déformation de l'équipement.
- N'exercez pas une trop grande pression lorsque vous appuyez sur l'écran.
  - Il existe un risque de bris ou de dysfonctionnement du produit.

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18 **DIRECTIVES D'INSTALLATION**

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19 Installation du boîtier de commande à distance

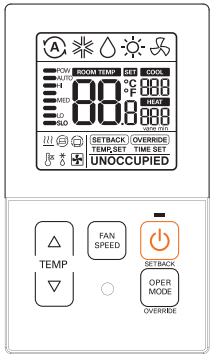
20 **RÉGLAGE DU PROGRAMME D'INSTALLATION**

20 Comment accéder au réglage du programme d'installation

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DESCRIPTION

Boîtier de commande à distance câblé simple

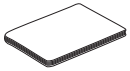


△ ▽	Touche de commande de la température
FAN SPEED	Touche de vitesse du ventilateur
⏻	Touche Marche/Arrêt
OPER MODE	Touche de sélection du mode de fonctionnement

Accessoires



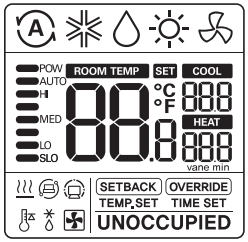
Vis de fixation du boîtier de commande à distance (2 CH.)



Manuel d'installation et d'utilisation

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Description des icônes



Fonctionnalité	Icône	Description
Mode de fonctionnement		**Mode automatique** - Le produit bascule automatiquement entre les modes Chauffage et Refroidissement.
		Mode refroidissement - Le produit fonctionne en mode Refroidissement.
		Mode déshumidification - Le produit fonctionne en mode Déshumidification.
		Mode chauffage - Le produit fonctionne en mode Chauffage.
		Mode de fonctionnement ventilateur seulement - Le produit fonctionne en mode Ventilateur seulement pour la ventilation.
Sous-fonction		**Commande de chauffage auxiliaire** - Le produit exécute la commande de chauffage auxiliaire en mode Chauffage.

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Fonctionnalité	Icône	Description
Température		**Température actuelle** - Affiche la température ambiante actuelle.
		**Point de consigne de la température de refroidissement** - Point de consigne de la température lors du processus de refroidissement.
		**Point de consigne de la température de chauffage** - Point de consigne de la température lors du processus de chauffage.
Vitesse du ventilateur		**Affiche la vitesse actuelle du ventilateur** **POW :** Vitesse du ventilateur – Power (puissante) **AUTO :** Vitesse du ventilateur – Auto(automatique) **HI :** Vitesse du ventilateur – High (élevée) **MED :** Vitesse du ventilateur – Medium (moyenne) **LO :** Vitesse du ventilateur – Low (basse) **SLO :** Vitesse du ventilateur – Slow (lente)
Mode Boîtier de commande		**Mode de fonctionnement Remise au point de consigne** - Le boîtier de commande contrôle la remise au point de consigne.
		Mode Annulation - L'état occupé/Non occupé change.
Surveillance de l'état du produit		Commande reçue du boîtier de commande central ou de l'appareil extérieur.
		L'appareil intérieur esclave est connecté à un système de pompe à chaleur empêche le basculement vers un mode non compatible avec le mode actuel de l'appareil extérieur.
		Appareil extérieur en cours de fonctionnement.
		Processus de préchauffage de l'appareil intérieur en cours d'exécution.
		Processus de dégivrage en cours d'exécution.
Réglage des fonctionnalités	TIME SET	Étape de réglage de la minuterie d'annulation.
	TEMP, SET	Réglage de la température de refroidissement / chauffage.
	SET	Il est affiché quand est le réglage.

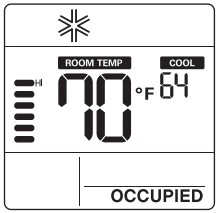
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DIRECTIVES D'UTILISATION – Utilisation Standard

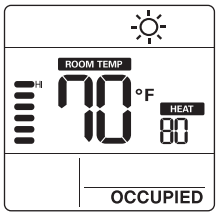
Appuyez sur la touche OPER MODE à plusieurs reprises jusqu'à ce que le mode souhaité soit sélectionné.

Chaque fois que vous appuyez sur la touche, le mode de fonctionnement sélectionné est modifié dans l'ordre suivant : Auto (automatique) -> Cooling (refroidissement) -> Dehumidification (déshumidification) -> Heating (chauffage) -> Fan (ventilateur) -> Auto (automatique).

Refroidissement



Chauffage



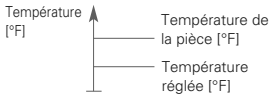
1 Réglez la température désirée en appuyant sur les touches △ TEMP ▽.

REMARQUES

- Le **réglage de la plage de température** s'effectue comme il est indiqué ci-dessous.
  - Refroidissement :
    64 °F ~ 86 °F(18 °C ~ 30 °C)
    60 °F ~ 86 °F(16 °C ~ 30 °C)
    (Sur certains modèles)
  - Chauffage :
    60 °F ~ 86 °F(16 °C ~ 30 °C)
    ❉ S'il y a connexion à l'appareil intérieur au moyen d'une fonctionnalité à point de consigne double.
    Refroidissement :
    50 ~ 99 °F (10 ~ 37.5 °C)
    Chauffage : 40 ~ 90 °F (4 ~ 32 °C)
- Le mode **Chauffage** n'est pas offert pour les modèles de climatiseur avec fonction de refroidissement seulement.

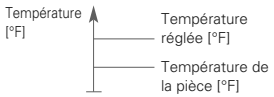
Mode Refroidissement

La température réglée est inférieure à la température de la pièce.



Mode Chauffage

La température réglée est supérieure à la température de la pièce.

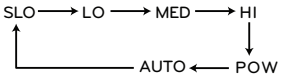


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Vitesse du ventilateur

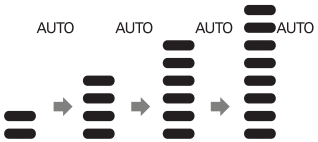
Vous pouvez simplement régler la vitesse de ventilateur désirée.

1 Appuyez sur la touche [FAN SPEED] pour modifier la vitesse du ventilateur.

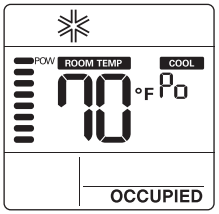


❉ Certaines vitesses du ventilateur peuvent ne pas fonctionner selon le produit.

❉ Vitesse du ventilateur AUTOMATIQUE
- La vitesse s'affiche avec un effet d'animation comme il est illustré ci-dessous.



Refroidissement puissant

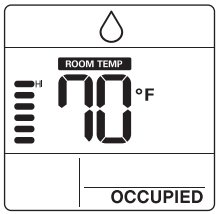


1 Appuyez sur la touche [FAN SPEED] jusqu'à ce que « Po » (refroidissement puissant) s'affiche.

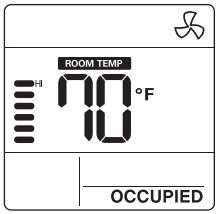
REMARQUES

- Le refroidissement puissant abaisse rapidement la température intérieure.
  - Température souhaitée : 64 °F(18 °C)
  - Vitesse du ventilateur : Vitesse du ventilateur puissante
  - Orientation du ventilateur : Orientation actuelle du ventilateur
- Si la vitesse du ventilateur ou la température désirée est modifiée, la fonctionnalité Refroidissement puissant s'annule et l'appareil passe en mode Refroidissement.
- Cette fonctionnalité peut ne pas être prise en charge, selon les modèles.

Déshumidification



Ventilateur



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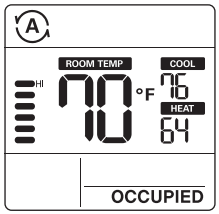
1 Appuyez sur la touche [FAN SPEED] à plusieurs reprises pour régler la vitesse du ventilateur.

REMARQUES

- En mode Déshumidification/Ventilateur
  - Vous ne pouvez pas modifier les températures réglées.
  - Il est possible que certains éléments du menu de la vitesse du ventilateur ne puissent pas être sélectionnés selon les fonctionnalités du produit.
- Pendant la saison des pluies ou dans des climats où l'humidité est élevée, vous pouvez utiliser le mode Déshumidification et le mode Refroidissement simultanément.
- Le mode Ventilateur fait circuler l'air intérieur seulement sans changer la température de la pièce.

Fonctionnement automatique (Point de consigne double)

Cette fonctionnalité gère automatiquement la température ambiante selon deux types de température réglée (refroidissement et chauffage) et permet de rendre la pièce plus confortable.



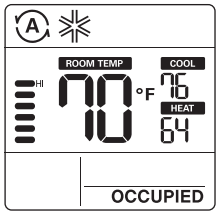
1 Appuyez sur la touche [OPER MODE] pour sélectionner le mode Automatique (commande à deux points de consigne).

2 Appuyez sur les touches [TEMP] ; les icônes de la température de refroidissement et de la température de chauffage vont clignoter.

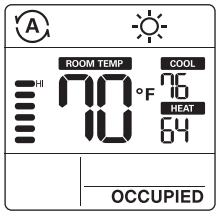
3 Vous pouvez régler la température dont l'icône clignote en appuyant sur les touches [TEMP].

❉ Si vous souhaitez régler chaque température, appuyez sur la touche [OPER MODE] lorsque les icônes de température clignotent.

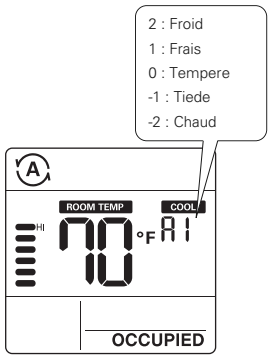
Fonctionnement en mode refroidissement



Fonctionnement en mode chauffage



Dans le cas du refroidissement seul, vous pouvez ajuster la température de chaud à froid, autrement dit de "-2" à "2", "0" étant le juste milieu.



REMARQUES

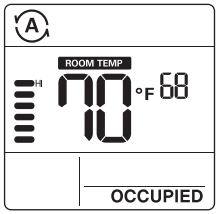
- Lorsque le boîtier de commande à distance établit une connexion avec un appareil intérieur qui ne prend pas en charge le « point de consigne double », la fonctionnalité de commande thermique de l'appareil intérieur est remplacée par la commande Marche/Arrêt du boîtier de commande câblé, lorsque l'utilisateur règle la température cible dans les plages indiquées ci-dessous.

  Plage de température cible de refroidissement : 87 °F ~ 99 °F (30,5 °C ~ 37,5 °C)

  Plage de température cible de chauffage : 40 °F ~ 59 °F (4 °C ~ 15,5 °C)

Fonctionnement automatique (Point de consigne simple)

Cette fonctionnalité gère automatiquement la température ambiante selon la température réglée et permet de rendre la pièce plus confortable.



1 Appuyez sur la touche OPER MODE pour sélectionner le mode Automatique.

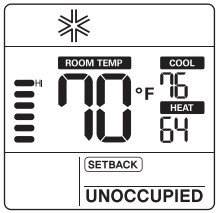
2 Appuyez sur les touches ; les la température vont clignoter.

3 Vous pouvez contrôler la température dont l'icône clignote en appuyant sur les touches .

DIRECTIVES D'UTILISATION – Sous-Fonctions

Remise au point de consigne

Le mode Remise au point de consigne permet de revenir à la température réglée jusqu'à ce que le mode Remise au point de consigne soit annulé.

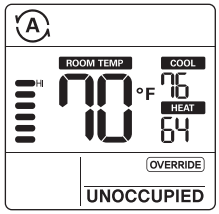


1 Appuyez sur la touche pendant 3 secondes, ce qui vous permettra de démarrer ou d'annuler la remise au point de consigne.

❉ Vous ne pouvez pas modifier les réglages pendant l'exécution de la remise au point de consigne, sauf pour annuler le mode.
- Le verrouillage « HL » s'affiche sur la fenêtre.

Annulation

Le mode Annulation permet de retourner temporairement à la température réglée jusqu'à ce que le mode Annulation soit annulé.

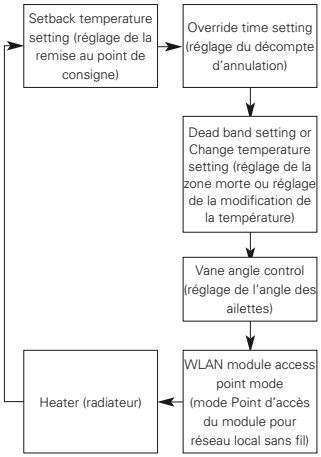


1 Appuyez sur la touche OPER MODE pendant 3 secondes, ce qui vous permettra de démarrer ou d'annuler l'annulation.

❉ Vous ne pouvez pas modifier les réglages pendant que le mode Annulation est en marche, sauf pour régler une sous-fonction ou pour annuler le mode.
- Le verrouillage « HL » s'affiche sur la fenêtre.
- Cela ne s'applique que pour « UNOCCUPIED » (non occupé).

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Appuyez sur la touche [FAN SPEED] pendant 3 secondes. Après avoir accédé au mode Réglage des sous-fonctions, vous pouvez appuyer sur la touche [FAN SPEED] à plusieurs reprises pour modifier le mode Sous-fonctions dans l'ordre suivant :

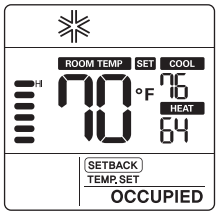


❉ Certaines fonctionnalités peuvent ne pas fonctionner selon le produit.

❉ Réglage de la zone morte – Lorsque l'appareil se connecte à un produit à commande à deux points de consigne. Modifier la température – Lorsque l'appareil se connecte à un produit à commande à un point de consigne.

Réglage de la température de remise au point de consigne

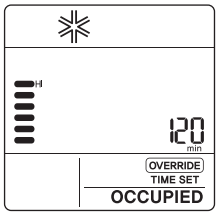
1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Remise au point de consigne.
3 Appuyez sur la touche [OPER MODE] pour sélectionner la température de refroidissement ou de chauffage.
4 Appuyez sur la touche [TEMP △ ▽] pour modifier la température.
5 Appuyez sur la touche [⏻] pour régler la température.
6 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.



Réglage du décompte d'annulation

1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Annulation.
3 Appuyez sur la touche [TEMP △ ▽] pour sélectionner le décompte d'annulation.
4 Appuyez sur la touche [⏻] pour régler la decompte d'annulation.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

❉ Vous pouvez régler le décompte d'annulation par tranche de 30 minutes.

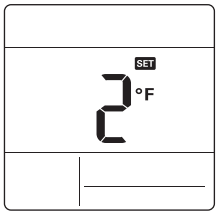


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Zone morte (Point de consigne double)

Cette fonctionnalité règle la différence minimale entre les points de consigne de chauffage et de refroidissement.

❉ Cette fonctionnalité est utilisée conjointement aux produits à commande à deux points de consigne.

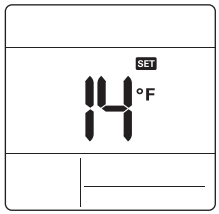


1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Zone morte.
3 Appuyez sur la touche [TEMP △ ▽] pour modifier la température de la zone morte. (0 ~ 10 °F/0 ~ 5 °C)
4 Appuyez sur la touche [⏻] pour régler la température.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

Modification du réglage de la température (Point de consigne simple)

La fonctionnalité Modification du réglage de la température permet de régler la modification automatique du refroidissement et du chauffage de l'air conformément à la température du mode de fonctionnement Automatique à un point de consigne.

❉ Cette fonctionnalité est utilisée conjointement aux produits à commande à un seul point de consigne.



1 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.
2 Appuyez sur la touche [FAN SPEED] pour modifier le mode Modification du réglage de la température.
3 Appuyez sur la touche [TEMP △ ▽] pour modifier la température. (2 ~ 14 °F/1 ~ 7 °C)
4 Appuyez sur la touche [⏻] pour régler la température.
5 Appuyez sur la touche [FAN SPEED] pendant 3 secondes.

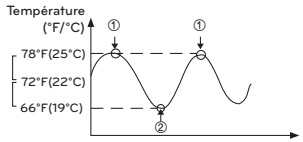
<u>Exemple d'utilisation du mode Modification de la température</u>

Condition

1) Mode : Mode Automatique
2) Température : 72 °F(22 °C)
3) Modification de la température : 6 °F(3 °C)

❉ Dans les conditions ci-dessus, l'appareil fonctionnera comme il est illustré dans le graphique.

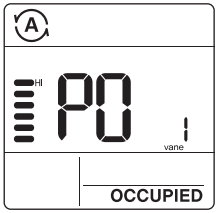
① : Le processus de refroidissement se met en marche.
② : Le processus de chauffage se met en marche.



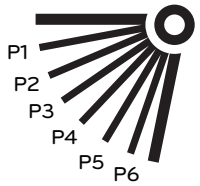
❉ Cette fonctionnalité peut ne pas fonctionner sur certains produits.

Réglage de l'angle des ailettes

Cette fonctionnalité permet de régler l'angle du débit d'air.

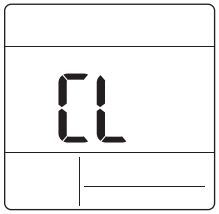


1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Réglage de l'angle des ailettes.
3 Appuyez sur la touche OPER MODE pour sélectionner les ailettes de l'appareil intérieur. (1, 2, 3, 4, All [toutes])
4 Appuyez sur la touche TEMP △ ▽ pour modifier l'angle des ailettes. (P1 à P6)
5 Appuyez sur la touche ⏻ pour régler la l'angle des ailettes.
6 Appuyez sur la touche FAN SPEED pendant 3 secondes.



Verrouillage de sécurité

Cette fonctionnalité empêche les enfants ou d'autres personnes d'utiliser l'appareil de façon inadéquate.



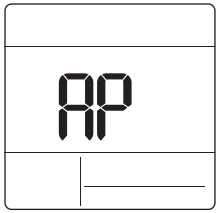
1 Appuyez sur la touche △ et la touche FAN SPEED pendant 3 secondes pour activer le verrouillage de sécurité.
2 Pour désactiver le verrouillage de sécurité, appuyez sur la touche △ et la touche FAN SPEED pendant 3 secondes.

❉ Au moment du réglage initial du verrouillage de sécurité, les lettres « CL » (verrouillage de sécurité) s'affichent pendant environ 3 secondes à l'écran de température avant de revenir au mode précédent.

❉ Après le réglage du verrouillage de sécurité, si une autre touche est enfoncée, celle-ci ne sera pas reconnue puisque les lettres « CL » (verrouillage de sécurité) s'affichent à l'écran de température pendant environ 3 secondes.

Mode Point d'accès au module pour réseau local sans fil

Cette fonctionnalité permet d'utiliser le module du réseau local sans fil connecté au produit en mode Point d'accès.



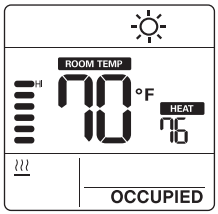
1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Point d'accès au module pour réseau local sans fil.
3 Alors que le module pour réseau local sans fil fonctionne en mode Point d'accès, les lettres « AP » (point d'accès) clignotent sur l'écran du boîtier de commande à distance câblé.
4 Appuyez sur la touche FAN SPEED pendant 3 secondes.

❉ Cette fonctionnalité est offerte sur certains modèles afin de pouvoir utiliser le module pour réseau local sans fil.

❉ Reportez-vous au manuel d'installation du Appareil intérieur, que la fonctionnalité soit offerte ou non.

Radiateur

Cette fonctionnalité permet de renforcer la capacité de chauffage en allumant le radiateur électrique pendant le processus de chauffage.



1 Appuyez sur la touche FAN SPEED pendant 3 secondes.
2 Appuyez sur la touche FAN SPEED pour modifier le mode Radiateur.
3 Appuyez sur la touche ⏻ pour sélectionner Marche /Arrêt en mode Radiateur.
4 Appuyez sur la touche FAN SPEED pendant 3 secondes.

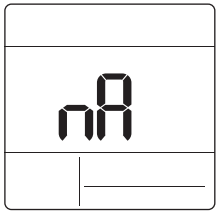
❉ Cette fonctionnalité peut ne pas fonctionner sur certains produits.

Touche de verrouillage du mode

Cette fonctionnalité empêche la modification du mode réglé.

1 Appuyez simultanément sur la touche ▽ et la touche FAN SPEED pendant 3 secondes pour verrouiller le mode.

❉ Si vous appuyez sur la touche OPER MODE pendant que le verrouillage du mode est activé, l'écran suivant apparaît.



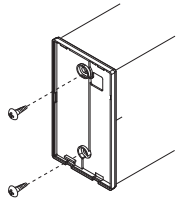
❉ Pour désactiver le verrouillage du mode, appuyez sur la touche ▽ et la touche FAN SPEED pendant 3 secondes.

FRANÇAIS

DIRECTIVES D'INSTALLATION

Installation

1 Veuillez fixer la plaque arrière solidement sur le mur à l'aide des vis fournies.
Veuillez vous assurer de ne pas plier la plaque arrière, car cela pourrait entraîner des problèmes lors de l'installation.

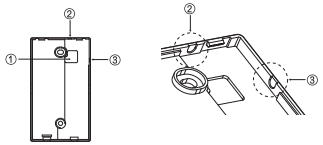


2 Il existe trois différentes configurations de câblage.

① À travers la surface du mur

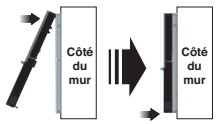
② À l'aide de la partie supérieure du boîtier de commande à distance

③ À l'aide de la partie droite du boîtier de commande à distance

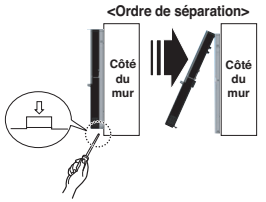


3 **Veuillez fixer la partie supérieure du boîtier de commande à distance sur la plaque arrière fixée à la surface du mur, comme il est illustré sur l'image ci-dessous, puis faites la connexion avec la plaque arrière en appuyant sur la partie inférieure.**
Veuillez vous assurer de ne laisser aucun espace en haut, en bas, à gauche ou à droite entre le boîtier de commande à distance et la plaque arrière. Avant d'effectuer l'assemblage avec la plaque arrière, placez le câble de façon à ce qu'il n'interfère pas avec les pièces du circuit.
Retirez le boîtier de commande à distance en insérant un tournevis dans les trous de séparation inférieurs et en effectuant un mouvement de torsion pour retirer le boîtier de commande de la plaque arrière.
Il y a deux trous de séparation. Veuillez les séparer un à la fois. Veillez à ne pas endommager les composantes intérieures lors du processus de séparation.

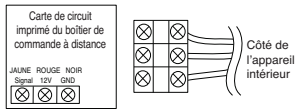
<Ordre de connexion>



<Ordre de séparation>



4 Veuillez suivre les directives suivantes lorsque vous connecterez le boîtier de commande à distance à l'appareil intérieur.



FRANÇAIS

⚠ MISES EN GARDE

Lors de l'installation du boîtier de commande à distance câblé, ne le confinez pas dans le mur. (Cela peut endommager le capteur de température.)

N'installez pas de câble de 164 pi (50 m) ou plus. (Cela peut entraîner des erreurs de communication.)

Données techniques du câble de rallonge fourni par LG : AWG 24, 3 conducteurs ou plus.

(Modèle : PZCWRC1)

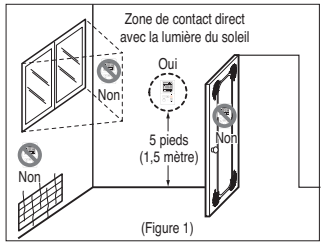
Installation du boîtier de commande à distance

Puisque le capteur de température de la pièce se trouve dans le boîtier de commande à distance, le caisson du boîtier de commande à distance doit être installé dans un endroit à l'abri de la lumière directe du soleil, d'une humidité élevée et d'un débit direct d'air froid afin de maintenir la pièce à la bonne température.

Installez le boîtier de commande à distance à environ 5 pi (1,5 m) au-dessus du sol, dans un endroit doté d'une bonne circulation d'air à une température moyenne.

N'installez pas le boîtier de commande à distance là où il peut être affecté par :

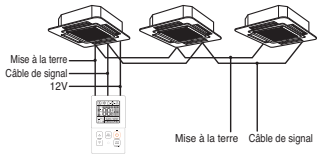
- Des courants d'air ou des zones mortes derrière les portes et dans les coins.
- L'air chaud ou froid des conduits.
- La chaleur rayonnante du soleil ou d'autres appareils.
- Les cheminées et les tuyaux dissimulés.
- Les zones non contrôlées comme un mur extérieur derrière le boîtier de commande à distance.
- Le boîtier de commande à distance est doté d'un écran ACL. Pour un affichage adéquat de l'écran ACL du boîtier de commande, ce dernier doit être correctement installé, comme il est illustré à la figure 1. (La hauteur standard est de 4 à 5 pi (1,2 à 1,5 m) au-dessus du niveau du sol.)



(Figure 1)

Lors de l'installation de plus de deux climatiseurs sur un même thermostat, veuillez effectuer la connexion comme il est illustré à droite.

- Réglez un appareil intérieur sur maître et les autres sur esclave.



Lorsqu'un seul thermostat contrôle plusieurs appareils intérieurs, vous devez changer le réglage maître/esclave à partir de l'appareil intérieur.

- Une fois que le commutateur DIP est réglé, redémarrez l'appareil. Lorsque vous redémarrez l'appareil, veuillez le laisser en position OFF (arrêt) pendant au moins 1 minute afin que les nouveaux réglages entrent en application.
- En ce qui concerne les produits à cassette et à conduit pour installation au plafond, veuillez modifier le réglage du commutateur de la carte de circuit imprimé intérieure.



N° 3 Commutateur à OFF (arrêt) : Maître (valeurs d'usine)



N° 3 Commutateur à ON (marche) : Esclave

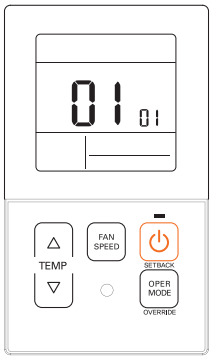
- En ce qui concerne les produits à fixation murale et à fixation sur pied, modifiez le réglage maître/esclave à l'aide du thermostat sans fil. (Reportez-vous au manuel du thermostat sans fil pour plus de détails.)

Lorsqu'un groupe de produits est contrôlé, certaines fonctionnalités avancées (à l'exclusion du réglage des fonctionnalités de base, des différentes vitesses du ventilateur [faible, moyenne et élevée], du réglage de verrouillage du thermostat et du réglage du décompte) peuvent être limitées.

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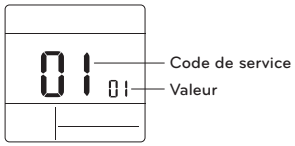
RÉGLAGE DU PROGRAMME D'INSTALLATION

Comment accéder au réglage du programme d'installation



1 Appuyez simultanément sur la touche △ et la touche OPER MODE pendant 3 secondes pour accéder au mode Réglage du programme d'installation.

2 Lorsque vous accédez pour la première fois au mode de réglage, le code de service s'affiche sur l'écran ACL.



3 Appuyez sur la touche OPER MODE pour sélectionner le code de service.

4 Appuyez sur la touche △ TEMP ▽ pour modifier la valeur.

5 Appuyez sur la touche ⏻ pour régler la valeur.

6 Appuyez simultanément sur la touche △ et la touche OPER MODE pendant 3 secondes pour quitter le mode Réglage du programme d'installation.

⚠ MISE EN GARDE

Le mode Réglage du programme d'installation permet de régler la fonctionnalité Détail du boîtier de commande à distance. Si le mode Réglage du programme d'installation n'est pas réglé correctement, cela peut causer des problèmes au produit, blesser l'utilisateur ou entraîner des dommages matériels. Le programme doit être réglé par un installateur certifié. Les conséquences de toute installation ou modification effectuée par une personne non certifiée relèveront de la responsabilité de celle-ci. Dans un tel cas, le service ne peut être fourni gratuitement.

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<Tableau des codes de réglage de l'installateur>

1) Produit de climatisation général

N° de code	Nom de la fonctionnalité	Valeur	Description
1	Mode Test	00 : Fonctionnement normal (par défaut) 01 : Démarre le mode Test de refroidissement. 02 : Démarre le mode Test de chauffage.	Démarre le mode Test de l'appareil intérieur
2	Réglage de l'adresse	02 : XX : numéro d'adresse du boîtier de commande centralisé (00 à FF)	Attribue une adresse hexadécimale unique lorsqu'utilisée avec un boîtier de commande centralisé.
3	Fonctionnalité E.S.P.	[Sélection de la vitesse du ventilateur] 01 : Slow (lente) 02 : Low (basse) 03 : Middle (moyenne) 04 : High (élevée) 05 : Power (puissante) <Exemple> 03 255 (Code de service / Valeur de E.S.P. / Vitesse du ventilateur) Valeur de E.S.P. : 000 à 255	Veuillez vous reporter au manuel d'ingénierie pour les données spécifiques d'un produit. « 000 » est le numéro affiché pour les valeurs d'usine. Si la valeur code3 est modifiée dans les réglages par défaut (000), alors les valeurs code5, code6 et code32 ne seront pas utilisées. Seuls certains produits possèdent cinq vitesses.
4	Réglage du capteur de température	01 : Utilise le capteur du boîtier de commande à distance câblé (par défaut). 02 : Utilise le capteur de retour de l'appareil intérieur. 03 : Capteur à 2 thermostats - Refroidissement : une valeur de capteur supérieure est utilisée - Chauffage : une valeur de capteur inférieure est utilisée	Sélectionne la valeur de thermistor qui sera utilisée pour contrôler la température de la pièce.
5	Hauteur de plafond	[Hauteur de plafond] 01 : Low (basse) 02 : Standard (par défaut) 03 : High (élevée) 04 : Very high (très élevée)	Réglage du volume d'air simplifié pour les produits à cassette et à console Sélectionnez la valeur qui correspond à la hauteur du plafond sur lequel le produit est installé.
6	Pression statique	État de la zone – Valeur standard de E.S.P. 01 : Variable – Élevée 02 : Fixe – Élevée 03 : Variable – Basse 04 : Fixe – Basse	Réglage du volume d'air simplifié pour les produits à conduit d'air Sélectionne la valeur qui correspond au type de système à conduit d'air fixé au produit.
8	Annulation du réglage maître/esclave	00 : Appareil esclave (par défaut) 01 : Appareil maître	Cette fonctionnalité est offerte pour une utilisation avec le système MV HP. Un appareil intérieur est sélectionné comme maître et communiquera son mode aux autres appareils intérieurs esclaves. Les appareils intérieurs esclaves vont empêcher la sélection de modes opposés ou les griser.
9	Réglage du mode Contact sec	00 (par défaut) : - Entrée fermée = Active le boîtier de commande - Entrée ouverte = Arrête l'appareil intérieur et désactive le boîtier de commande. 01 : - Entrée fermée = Démarre l'appareil intérieur et active le boîtier de commande. - Entrée ouverte = Arrête l'appareil intérieur et désactive le boîtier de commande.	Cette fonctionnalité peut être utilisée avec le contact sec simple.

N° de code	Nom de la fonctionnalité	Valeur	Description
12	Basculement Fahrenheit/Celsius	00 : Celsius 01 : Fahrenheit (par défaut)	Celsius ou Fahrenheit
15	Réglage du chauffage thermique sur Marche/Arrêt	0 : Par défaut. Chaque appareil intérieur a une valeur différente selon le type de produit. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/+2 °F (-1 °C/+1 °C) 4 : -1 °F/+1 °F (-0,5 °C/+0,5 °C) * L'option 4 est offerte sous condition d'utilisation de l'appareil en Fahrenheit selon la valeur code12.	Cette option permet de régler la température de chauffage thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un surchauffage ou d'une demande de chauffage.
17	Température en degrés Celsius de l'appareil	00 : Contrôle des degrés Celsius par tranche de 1 °C (par défaut) 01 : Contrôle des degrés Celsius par tranche de 0,5 °C	Résolution de la température
18	Réglage du radiateur d'urgence	[Valeur 1] 00 : Désactive le radiateur d'urgence (par défaut). 01 : Active le radiateur d'urgence. [Valeur 2] 0 : Désactive le radiateur d'urgence dans des conditions de température ambiante basse. 1 à 15 : Active le radiateur d'urgence dans des conditions de température ambiante basse. 01 : -10 °F, 02 : -5 °F, 03 : 0 °F, 04 : 5 °F, 05 : 10 °F 06 : 15 °F, 07 : 20 °F, 08 : 25 °F, 09 : 30 °F, 10 : 35 °F 11 : 40 °F, 12 : 45 °F, 13 : 50 °F, 14 : 55 °F, 15 : 60 °F [Valeur 3] 0 : Ventilateur éteint 1 : Ventilateur en marche (le ventilateur est éteint lorsque le radiateur est éteint.)	La valeur de réglage 1 permet au radiateur auxiliaire d'être utilisé lorsque l'appareil extérieur affiche un code d'erreur. La valeur de réglage 2 permet à l'appareil extérieur de se verrouiller selon la température extérieure sélectionnée et permet au radiateur auxiliaire d'être utilisé. La valeur de réglage 3 détermine le fonctionnement du ventilateur lorsque le chauffage thermique est en marche sur le radiateur auxiliaire.
19	Réglage des fonctionnalités de commande groupée	00 : Désactive les fonctionnalités étendues (par défaut). 01 : Active les fonctionnalités étendues.	Fonctionnalités standards : Marche/Arrêt, Mode, Débit d'air (bas/moyen/élevé), Réglage du point de consigne, Horaire Fonctionnalités étendues : Réglage de l'angle de l'air (tous), Tourbillon, Air en haut/bas, Air à droite/gauche, Refroidissement écoénergétique, Ventilateur automatique
20	Purification du plasma	00 : Désactive 01 : Active (par défaut)	Cette fonctionnalité permet d'activer ou de désactiver la purification du plasma.
21	Commande de chauffage auxiliaire	00 : Commande manuelle de chauffage désactivée 01 : Commande manuelle de chauffage activée (par défaut)	Ce réglage permet d'activer ou de désactiver le chauffage auxiliaire dans le menu des sous-fonctions.
25	Ensemble de chauffage auxiliaire externe	00 : Non installé 01 : Installé (par défaut)	Cette fonctionnalité doit être activée pour utiliser l'ensemble de chauffage auxiliaire externe.

N° de code	Nom de la fonctionnalité	Valeur	Description
26	Vérifiez le numéro d'adresse de l'appareil intérieur.	XX (adresse attribuée)	Permet d'afficher l'adresse de l'appareil intérieur attribuée à l'appareil extérieur.
27	Réglage Marche/Arrêt du refroidissement thermique	0 : par défaut, +1 °F/-1 °F (+0,5 °C/-0,5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	Cela permet de régler la température de refroidissement thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un refroidissement excessif ou d'une demande de refroidissement. * Cette fonctionnalité est offerte pour la série d'appareils intérieurs Gen 4.
29	Réglage du détecteur de fuite de réfrigérant	00 : Non installé (par défaut) 01 : Installé	Activez cette fonctionnalité après l'installation de l'appareil de détection externe de fuite de réfrigérant.
30	Version logicielle	Affiche la version logicielle à distance.	Version logicielle à distance
31	Réglage de la plage de température	00 : 60 °F à 86 °F (16 °C à 30 °C) (par défaut) 01 : 40 °F à 99 °F (4 °C à 37,5 °C)	Si la plage de température étendue est réglée, reportez-vous aux températures suivantes. - Refroidissement 87~99 °F (30,5~37,5 °C) -> 86 °F(30 °C). - Chauffage 40~59 °F (4~15,5 °C) -> 60 °F(16 °C). - Si la plage de température est réglée sur 2 points de consigne, elle bascule vers le mode de fonctionnement actuel (refroidissement ou chauffage) de l'appareil intérieur.
32	Stade de la pression statique	00 : Utilise la valeur réglée (par défaut) de la pression statique (code 06). 01 à 11 : Valeur réglée du stade de la pression statique (code 32)	Si la valeur code3 est modifiée dans les réglages par défaut (000), alors la valeur code32 ne sera pas utilisée. Réglage du volume d'air simplifié étendu pour les produits à conduit.
33	Minuterie de garde	00 : 0 minute 01 : 15 minutes (par défaut) 02 : 30 minutes 03 : 45 minutes 04 : 60 minutes	Temps minimum qui doit s'écouler avant que le système puisse basculer vers le mode opposé. (exemple : basculement du mode Chauffage vers le mode Refroidissement)
34	Verrouillage de la plage du point de consigne	00 : Désactive (par défaut) 01 : Active	Cela limite la plage du point de consigne de chauffage et de refroidissement que l'utilisateur peut sélectionner. Pour des renseignements détaillés, consultez les directives suivantes.
35	Arrêt du fonctionnement du ventilateur de refroidissement thermique	00 : Ventilateur à basse vitesse (par défaut) 01 : Ventilateur éteint 02 : Réglage précédent du ventilateur	Règle la vitesse de fonctionnement du ventilateur pendant l'arrêt du refroidissement thermique
36	Commande primaire du radiateur	00 : Premier stade de chauffage du système de thermopompe (par défaut) 01 : Dernier stade de chauffage du système de thermopompe	L'installateur doit sélectionner la pompe à chaleur qui sera en marche pour le premier ou le dernier stade de chauffage au moyen d'un ensemble de chauffage externe.

N° de code	Nom de la fonctionnalité	Valeur	Description
37	Mise en attente activée/désactivée	00 : Mise en attente désactivée (par défaut) 01 : Mise en attente activée	Cela empêche ou autorise l'utilisateur à sélectionner la fonctionnalité Mise en attente.
38	Fonctionnement du ventilateur du climatiseur intégré à la ventilation	00 : Ventilateur à basse vitesse (par défaut) 01 : Ventilateur éteint	Si le produit à cassette est doté d'un ensemble de ventilation, il est alors souhaitable d'empêcher l'air de passer par le filtre à air dans un sens contraire au débit de conception.
39	Réglage du démarrage automatique de l'appareil extérieur	00 : Active le redémarrage automatique (par défaut). 01 : Désactive le redémarrage automatique.	L'installateur doit décider si l'appareil intérieur sera en marche ou non après que l'alimentation ait été rétablie.
40	Réglage de la durée de remplissage	00 : 0 minute (par défaut) 01 : 10 minutes 02 : 30 minutes 03 : 60 minutes	La durée pendant laquelle l'appareil intérieur est en marche après la transition vers le mode Occupé.
41	Réglage du contact sec simple (connexion CN_CC)	00 : Identification automatique du contact sec simple (par défaut) 01 : Désactive cette fonctionnalité 02 : Active la fonctionnalité Contact sec simple 03 : Active la fonctionnalité Contact sec simple avec le port CN_EXT	Cette fonctionnalité est utilisée lorsqu'un appareil à contact sec simple est installé en supplément dans l'appareil intérieur ou si l'appareil à contact simple installé est retiré.
46	Réglage du ventilateur en continu	00 : Non utilisé 01 : Utilisé	Cette fonctionnalité permet de régler le fonctionnement en continu du ventilateur intérieur. Même si la température de l'air de la pièce atteint le point de consigne lors du fonctionnement de l'appareil intérieur, cette fonctionnalité vous permet de conserver la vitesse réglée du ventilateur plus longtemps qu'un autre réglage.
47	Réglage de la fonctionnalité maître/esclave de l'appareil extérieur	00 : Fonctionnement esclave de l'appareil extérieur 01 : Fonctionnement maître de l'appareil extérieur	Cette fonctionnalité transforme l'appareil intérieur connecté en appareil intérieur maître qui peut régler des fonctionnalités liées au fonctionnement des appareils extérieurs. Les appareils extérieurs ne laissent qu'un seul appareil intérieur régler des fonctionnalités liées à leur fonctionnement.
48	Fonctionnalité Mode silencieux de l'appareil intérieur	00 : Non utilisé 01 : Mode silencieux bas 02 : Mode silencieux élevé	Cette fonctionnalité permet de réduire le bruit du réfrigérant entendu à l'étape initiale de fonctionnement de l'appareil intérieur en mode Chauffage.
49	Réglage du mode Dégivrage de l'appareil extérieur	00 : Non utilisé 01 : Mode Élimination forcée des couches de neige 02 : Mode Dégivrage rapide 03 : Mode Élimination forcée des couches de neige et mode Dégivrage rapide	Cette fonctionnalité permet de sélectionner la fonctionnalité Dégivrage ou Élimination de la neige de l'appareil extérieur.
51	Réglage de la vitesse du ventilateur « automatiquement » selon la température	00 : Non utilisé 01 : Utilise la vitesse du ventilateur réglée « automatiquement » en fonction de la température	La fonctionnalité Vitesse du ventilateur réglée « automatiquement » selon la température est la fonctionnalité permettant de modifier la vitesse du ventilateur selon la différence entre la température ambiante et le point de consigne.

N° de code	Nom de la fonctionnalité	Valeur	Description
52	CN_EXT	00 : Utilise la valeur de réglage du code installateur n° 41 (valeur de réglage de contact sec simple) 01 : Fonctionnement simple Marche/Arrêt 02 : Contact sec simple (HL est requis lorsque le fonctionnement est arrêté.) 03 : Arrêt d'urgence unique de l'appareil intérieur 04 : Occupé/Non occupé 05 : Arrêt d'urgence général de l'appareil intérieur ※ Il ne peut être réglé uniquement lorsqu'il y a une fonctionnalité d'arrêt d'urgence pour l'appareil intérieur. 06 : Contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de contacts de fenêtre. 07 : Verrouillage des contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de verrouillage des contacts de fenêtre.	Cette fonctionnalité permet de régler l'objectif du port d'entrée numérique (CN_EXT) pour la carte de circuit imprimé de l'appareil intérieur.
56	Priorité du cycle de l'appareil extérieur	<Sélection du mode> <Stade> 00 : Non utilisé [Non utilisé, veille] 01 : Veille Aucun 02 : Refroidissement [Refroidissement] Stade 0 à 5	Cette fonctionnalité permet d'effacer la limite et de régler le mode de fonctionnement lorsque celui-ci est annulé, pour être en mesure de sélectionner le mode de fonctionnement à l'opposé du mode de fonctionnement de l'appareil extérieur en cours d'exécution lorsque le produit connecté est en mode Esclave.
57	Température extérieure pour les stades de chauffage	<Sélection du mode> <Plage de réglage> 01 : Utilisé/Non utilisé [Utilisé/Non utilisé] 02 : T1 Aucun 03 : ΔT [Plage de réglage T1] -10 °F à 60 °F (-23 °C à 16 °C) [Plage de réglage ΔT] 0 °F à 70 °F (0 °C à 35 °C)	Cette fonctionnalité permet de régler les valeurs de la température extérieure pour deux stades de chauffage. Si l'utilisateur règle la température extérieure T1 et ΔT, l'appareil intérieur va sélectionner le stade de chauffage situé entre le fonctionnement de l'appareil intérieur et le fonctionnement du radiateur.
61	Compensation de température ambiante	Plage de réglage de la compensation de température : De -10 °F à 10 °F (de -5 °C à 5 °C)	Cette fonctionnalité ajuste la température ambiante affichée sur l'appareil afin que celle-ci corresponde à la température ambiante réelle.
64	Contrôle du volume d'air	00 : Par défaut 01 : +10 % 02 : -10 %	Cette fonctionnalité permet de changer le volume d'air cible.
67	Réglage du ventilateur pendant l'arrêt du chauffage thermique (Présence / Mode de fonctionnement)	<Sélectionnez le mode> <Étape> 00: Refroidissement / Occupé 00: Non utilisé 01: Refroidissement / Inoccupé 01: Ventilateur à basse vitesse 02: Chauffage / Occupé 02 : Réglage précédent du ventilateur 03: Chauffage / Inoccupé 03 : Ventilateur éteint	Réglez la vitesse du ventilateur lorsque le chauffage thermique est désactivé en fonction du mode d'occupation et du mode de fonctionnement. Ce réglage a préséance sur les autres réglages de ventilateur associés.

❉ Certains contenus ne peuvent pas être affichés selon la fonctionnalité du produit.

Mode Test (code 1)

Après avoir installé le produit, vous devez lancer le mode Test.
Pour plus de renseignements sur cette opération, référez-vous au manuel du produit.

00 : Fonctionnement normal (par défaut)
01 : Démarre le mode Test de refroidissement
02 : Démarre le mode Test de chauffage

Lors du test, appuyez sur l'une des touches ci-dessous pour quitter le test.
- On/Off (marche/arrêt), temp (température), fan speed (vitesse du ventilateur), oper mode (mode de fonctionnement).

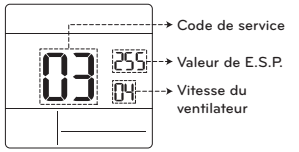
Réglage de l'adresse (code 2)

Cette fonctionnalité permet de régler l'adresse du boîtier de commande centralisé de l'appareil intérieur lors de la connexion du boîtier de commande centralisé.

XX : numéro d'adresse du boîtier de commande centralisé (00 à FF.)

Fonctionnalité E.S.P. (code 3)

Cette fonctionnalité permet de régler la valeur de la quantité de vent correspondant à chaque quantité de vent pour une installation facile.



[Sélection de la vitesse du ventilateur]
Valeur de E.S.P. : 000 à 255
01 : Slow (lente)
02 : Low (basse)
03 : middle (moyenne)
04 : high (élevée)
05 : power (puissante)

❉ Appuyez sur la touche FAN SPEED pour sélectionner la vitesse du ventilateur ou la valeur de E.S.P.

REMARQUES

- Soyez prudent lors du réglage des valeurs de E.S.P.
- Le réglage d'une valeur de E.S.P. pour un stade faible/puissant ne fonctionne pas sur certains produits.
- La plage de valeur de E.S.P. dépend du produit.

Réglage du capteur de température (code 4)

Cette fonctionnalité permet de déterminer si vous allez utiliser le capteur intégré à l'appareil intérieur ou le capteur du boîtier de commande à distance.

<Tableau des thermistors>

Sélection du capteur de température			Fonctionnalité
01	Thermostat		Fonctionne conformément au capteur de température du thermostat.
02	Appareil intérieur		Fonctionne conformément au capteur de température de l'appareil intérieur
03	2 thermostats	Refroidissement	Fonctionne conformément à la température plus élevée en comparant la température de l'appareil intérieur et du thermostat. (Il existe des produits qui fonctionnent à une température plus basse.)
		Chauffage	Fonctionne conformément à une température plus basse en comparant la température de l'appareil intérieur et du thermostat.

❉ La fonctionnalité 2 thermostats est dotée de caractéristiques de fonctionnement différentes selon le produit.

Hauteur de plafond (code 5)

Cette fonctionnalité permet de contrôler le stade de la vitesse du ventilateur selon la hauteur du plafond pour les produits pour installation au plafond.

<Tableau de sélection de la hauteur de plafond>

Niveau de hauteur de plafond		Description
01	Bas	Diminue d'un stade le taux de débit d'air intérieur par rapport au niveau standard.
02	Standard	Règle le taux de débit d'air intérieur au niveau standard.
03	Haut	Augmente d'un stade le taux de débit d'air intérieur par rapport au niveau standard.
04	Très haut	Augmente de deux stades le taux de débit d'air intérieur par rapport au niveau standard.

❉ Le réglage de la hauteur de plafond n'est offert que sur certains produits.
❉ Le réglage « Très haut » de la fonctionnalité Hauteur de plafond peut ne pas être offerte selon l'appareil intérieur.
❉ Reportez-vous au manuel du produit pour plus de détails.

Pression statique (code 6)

Le réglage de la pression statique ne peut être effectué que sur les produits à conduit d'air. (La pression statique ne peut pas être réglée sur les autres produits.)

<Tableau de réglage de la pression statique>

Sélection de la pression		Fonctionnalité	
		État de la zone	Valeur standard de E.S.P.
01	V-H	Variable	Haut
02	F-H	Fixe	Haut
03	V-L	Variable	Bas
04	F-L	Fixe	Bas

Annulation du réglage maître/esclave (code 8)

La fonctionnalité de sélection du fonctionnement maître/esclave permet d'éviter l'utilisation d'autres modes de fonctionnement, et cette fonctionnalité permet d'empêcher la sélection d'un mode opposé à l'appareil intérieur maître par les appareils intérieurs esclaves.

M/E		Description
01	Maître	Grâce à la commande groupée, l'appareil maître règle le mode des appareils intérieurs esclaves.
02	Esclave	L'appareil intérieur esclave peut seulement sélectionner le même mode de fonctionnement que le cycle de l'appareil intérieur maître. Exemple : L'appareil maître est en cycle de refroidissement, ce qui signifie que l'appareil esclave peut seulement sélectionner les modes Refroidissement, Déshumidification, Automatique et Vent. L'appareil maître est en cycle de chauffage, ce qui signifie que l'appareil esclave peut seulement sélectionner les modes Automatique, Chauffage et Vent.

REMARQUE

- L'annulation de la fonctionnalité de réglage M/E n'est offerte que sur certains produits.

Réglage du mode Contact sec (code 9)

La fonctionnalité Contact sec peut être utilisée seulement lorsque les appareils à contact sec sont achetés et installés séparément.

REMARQUES

- Pour des détails relatifs aux fonctionnalités du mode Contact sec, reportez-vous au manuel portant sur le contact sec.
- En quoi consiste le contact sec?
  - Il s'agit de l'entrée de signal du point de contact lorsque la carte clé d'hôtel, le capteur de détection du corps humain, ou autre, interagissent avec le climatiseur.
  - Cela permet l'obtention de fonctionnalités supplémentaires grâce à l'utilisation d'entrées externes (contacts secs et contacts humides).

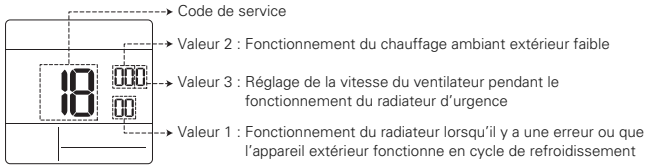
Réglage Marche/Arrêt du chauffage thermique (code 15)

Vous pouvez régler la température de chauffage thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un surchauffage ou d'une demande de chauffage.

Valeur	Chauffage thermique allumé	Chauffage thermique éteint
0	Par défaut (différent pour chaque produit)	
1	8 °F(4 °C)	12 °F(6 °C)
2	4 °F(2 °C)	8 °F(4 °C)
3	-2 °F(-1 °C)	2 °F(1 °C)
4	-1 °F(-0,5 °C)	1 °F(0,5 °C)

Réglage du radiateur d'urgence (code 18)

Cette fonctionnalité est offerte seulement sur certains produits.
Cette fonctionnalité permet de définir le réglage du radiateur d'urgence.
Le radiateur d'urgence est utilisé pour réchauffer la pièce en cas d'urgence, par exemple en cas d'erreur de la pompe à chaleur.
Le radiateur d'urgence remplace la pompe à chaleur en cas de besoin, mais ne la complète pas.
❉ La fonctionnalité de réglage du radiateur d'urgence règle les conditions suivantes :
1) Le fonctionnement du radiateur d'urgence lorsqu'il y a une erreur ou que l'appareil extérieur fonctionne en cycle de refroidissement.
2) Le fonctionnement du radiateur d'urgence en cas de faible température ambiante extérieure.
3) Le réglage de la vitesse du ventilateur pendant le fonctionnement du radiateur d'urgence.



❉ Appuyez sur la touche [FAN SPEED] pour sélectionner la valeur 1, la valeur 2 ou la valeur 3.

Valeur 1

18:00 : Désactive le radiateur d'urgence (par défaut)

18:01 : Active le radiateur d'urgence

Lorsqu'il se connecte aux fonctionnalités générales de l'appareil intérieur

Valeur 2	Active la température		Désactive la température	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Non utilisé (par défaut)			
1	0 °F	-18 °C	5 °F	-15 °C
2	5 °F	-15 °C	10 °F	-12 °C
3	10 °F	-12 °C	15 °F	-9 °C

Lorsqu'il se connecte aux fonctionnalités étendues de l'appareil intérieur

Valeur 2	Active la température		Désactive la température	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	Non utilisé (par défaut)			
1	-10 °F	-23 °C	-5 °F	-20 °C
2	-5 °F	-21 °C	0 °F	-17 °C
3	0 °F	-18 °C	5 °F	-14 °C
4	5 °F	-15 °C	10 °F	-11 °C
5	10 °F	-12 °C	15 °F	-8 °C
6	15 °F	-9 °C	20 °F	-5 °C
7	20 °F	-7 °C	25 °F	-2 °C
8	25 °F	-4 °C	30 °F	1 °C
9	30 °F	-1 °C	35 °F	4 °C
10	35 °F	2 °C	40 °F	7 °C
11	40 °F	4 °C	45 °F	10 °C
12	45 °F	7 °C	50 °F	13 °C
13	50 °F	10 °C	55 °F	16 °C
14	55 °F	13 °C	60 °F	19 °C
15	60 °F	16 °C	65 °F	22 °C

Valeur 3

0 : Ventilateur éteint

1 : Ventilateur en marche (le ventilateur est éteint lorsque le chauffage est éteint)

⚠ MISE EN GARDE

Le réglage de cette fonctionnalité doit être effectué par un technicien certifié.

Vérification du numéro d'adresse de l'appareil intérieur (code 26)

Il s'agit de la fonctionnalité qui permet de vérifier l'adresse de l'appareil intérieur attribuée par l'appareil extérieur.

Réglage Marche/Arrêt du refroidissement thermique (code 27)

Cela permet de régler la température de refroidissement thermique sur Marche/Arrêt selon le milieu immédiat en préparation d'un refroidissement excessif ou d'une demande de refroidissement.

Valeur	Chauffage thermique allumé	Chauffage thermique éteint
0	1 °F(0.5°C)	-1 °F(-0.5°C)
1	12 °F(6 °C)	8 °F(4 °C)
2	8 °F(4 °C)	4 °F(2 °C)
3	2 °F(1 °C)	-2 °F(-1 °C)

Réglage de la plage de température (code 31)

Cette fonctionnalité est utilisée pour sélectionner les options de plage de température.

Valeur 00 (par défaut)

- Refroidissement : 64 °F à 86 °F (18 °C à 30 °C)
- Chauffage : 60 °F à 86 °F (16 °C à 30 °C)

Valeur 01

- Refroidissement : 64 °F à 99 °F (18 °C à 37,5 °C)
- Chauffage : 40 °F à 86 °F (4 °C à 30 °C)

❗ REMARQUES

- En cas de réglage de la plage de température étendue, veuillez noter que le réglage du boîtier de commande à distance câblé peut être modifié si les circonstances ci-dessous se présentent.
  - En cas de refroidissement de 87~99 °F (30,5~37,5 °C), le refroidissement passe à 86 °F (30 °C).
  - En cas de chauffage de 40~59 °F (4~15,5 °C), le chauffage passe à 60 °F (16 °C).
  - Si la plage de température est réglée sur points de consigne double, elle bascule vers le mode de fonctionnement actuel (refroidissement ou chauffage) de l'appareil intérieur.

Stade de la pression statique (code 32)

Cette fonctionnalité divise la pression statique du produit en 11 stades de réglage.

00 : Utilise la valeur réglée de la pression statique (code 06)

01 à 11 : Utilise le stade de la valeur réglée de la pression statique (code 32)

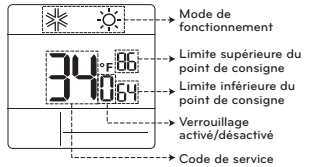
❉ Reportez-vous au manuel du produit pour plus d'informations sur chaque valeur de stade.

❉ Cette fonctionnalité est offerte seulement pour les produits à conduit.

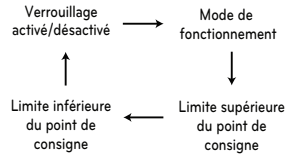
❉ Le fait d'effectuer ce réglage dans d'autres cas peut entraîner un dysfonctionnement.

Verrouillage de la plage du point de consigne (code 34)

Cette fonctionnalité permet de limiter la plage de température souhaitée pouvant être réglée dans le boîtier de commande à distance câblé. Lorsque la plage de température est verrouillée, la température souhaitée peut être réglée seulement dans la plage de la valeur réglée. Toutefois, la valeur de la température souhaitée du boîtier de commande centralisé ou d'autres accessoires reflète la température souhaitée reçue au-delà de la plage.



❉ Appuyez sur la touche (FAN SPEED) pour sélectionner chaque fonctionnalité comme il est indiqué ci-dessous.



Methode de controle de l'unite interieure	Code 31	Refroidissement	Chauffage
Point de consigne simple	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Point de consigne double	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

CN_EXT (Code 52)

Il s'agit de la fonctionnalité qui permet de régler l'objectif du port d'entrée numérique (CN_EXT) pour la carte de circuit imprimé de l'appareil intérieur.

Valeur	Description
00	Utilisez la valeur de réglage No. 41 du code de l'installateur (valeur de réglage du contact sec simple)
01	Fonctionnement simple Activé/Désactivé
02	Contact sec simple (HL est requis lorsque le fonctionnement est arrêté.)
03	Arrêt d'urgence simple de l'unité intérieure
04	Occupé / Inoccupé
05	Tous les arrêts d'urgence de l'unité intérieure ※ Peut être réglé uniquement lorsque la fonction d'arrêt d'urgence de l'unité intérieure est présente.
06	Contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de contacts de fenêtre.
07	Verrouillage des contacts de fenêtre ※ Ils ne peuvent être réglés que s'il y a une fonctionnalité de verrouillage des contacts de fenêtre.

Priorité du cycle de l'appareil extérieur (code 56)

Cette fonctionnalité permet d'effacer la limite et de régler le mode de fonctionnement lorsque celui-ci est annulé pour être en mesure de sélectionner le mode de fonctionnement à l'opposé du mode de fonctionnement de l'appareil extérieur en cours d'exécution lorsque le produit connecté est en mode esclave.

❉ Lorsque vous réglez le code installateur 08:00 (fonctionnement esclave), et selon l'état de fonctionnement de l'appareil extérieur, la sélection du mode Refroidissement/Chauffage est limitée.

Valeur 1 00 : Non utilisé

- Selon le mode de fonctionnement de l'appareil extérieur, la sélection du mode de fonctionnement est limitée.

❉ Les modes de fonctionnement suivants peuvent être sélectionnés selon le cycle de l'appareil extérieur.
  - Cycle de refroidissement : Auto (automatique), Fan (ventilateur), Cool (refroidissement), Dehumidification (déshumidification)
  - Cycle de chauffage : Auto (automatique), Fan (ventilateur), Heat (chauffage)

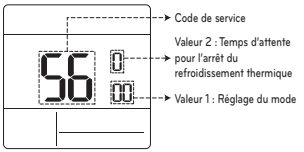
Valeur 1 01 : Veille

- Dans le cas où le mode de fonctionnement est opposé au mode de fonctionnement de l'appareil extérieur, il maintient le mode de fonctionnement actuel. En ce moment, il garde le chauffage thermique et le ventilateur éteint.

Valeur 1 02 : Refroidissement

- Le fonctionnement de l'appareil extérieur est prioritaire lors du processus de refroidissement. Cette fonctionnalité permet d'activer le processus de chauffage du radiateur dans le produit.

❉ En ce qui concerne le fonctionnement de l'interface du radiateur, sélectionnez le réglage « Radiateur d'urgence » et « Radiateur auxiliaire ».
  - Réglage du radiateur d'urgence (code installateur 18)
  - Radiateur auxiliaire (code installateur 25)



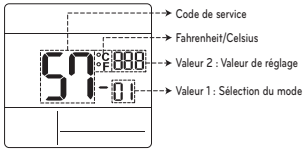
❉ Appuyez sur la touche FAN SPEED pour sélectionner la valeur 1 ou la valeur 2.

Valeur 2	Temps d'attente pour l'arrêt du refroidissement thermique
0	45 minutes (par défaut)
1	30 minutes
2	60 minutes
3	90 minutes
4	120 minutes
5	Non utilisé

Température extérieure pour les stades de chauffage (code 57)

Cette fonctionnalité permet de régler les valeurs de la température extérieure pour deux stades de chauffage. Si l'utilisateur règle la température extérieure T1 et △T, l'appareil intérieur va sélectionner le stade de chauffage situé entre le fonctionnement de l'appareil intérieur et le fonctionnement du radiateur.

❉ Lorsque le réglage du radiateur d'urgence est défini (code installateur 18), l'opération de contrôle du radiateur d'urgence est effectuée en priorité.



❉ Appuyez sur la touche FAN SPEED pour sélectionner la valeur 1 ou la valeur 2.

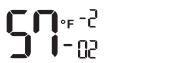
Valeur 1	Sélection du mode
1	Réglage Utilisé/Non utilisé
2	Réglage de la valeur T1
3	Réglage de la valeur △T

Valeur 1 : 01

Valeur de réglage	Description
0	Non utilisé
1	Utilisé

Valeur 1 : 02

Unité de température	Plage de réglage T1
Celsius	-23~16 °C
Fahrenheit	-10~60 °F



[-9 °F ou plus]

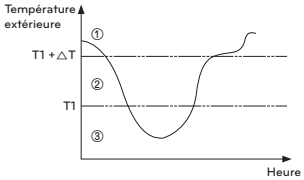


[-10 °F ou moins]

Valeur 1 : 03

Unité de température	Plage de réglage △T
Celsius	0~35 °C
Fahrenheit	0~70 °F

Fonctionnement selon le réglage T1/△T et la température extérieure.



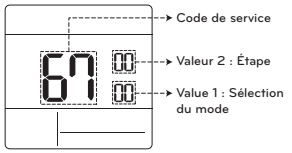
① (T1 +△T < Température extérieure) : la pompe à chaleur est utilisée.

② (T1 < Température extérieure < T1 + △T) : le radiateur et la pompe à chaleur sont tous les deux utilisés.

③ (Température extérieure < T1) : le radiateur est utilisé.

Réglage du ventilateur pendant l'arrêt du chauffage thermique (Présence / Mode de fonctionnement) (Code 67)

Réglez la vitesse du ventilateur lorsque le chauffage thermique est désactivé en fonction du mode d'occupation et du mode de fonctionnement.



<Sélection du mode>	<Étape>
00: Refroidissement / Occupé 01: Refroidissement / Inoccupé 02: Chauffage / Occupé 03: Chauffage / Inoccupé	00 : Non utilisé 01 : Ventilateur à basse vitesse 02 : Réglage précédent du ventilateur 03 : Ventilateur éteint

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MANUAL DE INSTALACIÓN
Y DEL PROPIETARIO

AIRE ACONDICIONADO

Lea este manual de instalación completamente antes de instalar el producto.
El trabajo de instalación debe realizarse según los estándares nacionales de instalación eléctrica y solo por personal autorizado.
Conserve este manual de instalación para consultarlo en el futuro después de leerlo completamente.

Control remoto simple con cable
PREMTC00U

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ESPAÑOL

CONSEJOS PARA AHORRAR ELECTRICIDAD

Estos son algunos consejos que le ayudarán a minimizar el consumo de electricidad cuando use el aire acondicionado. Puede usar su aire acondicionado de forma más eficiente consultando las instrucciones a continuación:

- No enfríe los interiores en exceso. Esto puede ser dañino para su salud y puede consumir más electricidad.
- Tape la luz del sol con persianas o cortinas cuando use el aire acondicionado.
- Mantenga puertas o ventanas cerradas mientras esté usando el aire acondicionado.
- Ajuste la dirección del flujo de aire de forma horizontal o vertical para hacer circular el aire en interiores.
- Aumente la velocidad del ventilador para enfriar o entibiar rápidamente el aire en interiores.
- Abra las ventanas con regularidad para ventilar, ya que la calidad del aire en interiores puede deteriorarse si se usa el aire acondicionado por muchas horas.
- Limpie el filtro una vez cada 2 semanas. El polvo y las impurezas acumuladas en el filtro de aire puede bloquear el flujo de aire o debilitar las funciones de enfriado / deshumidificación.

Para sus registros

Engrape su recibo a esta página en caso de que necesite probar la fecha de su compra para efectos de la garantía. Escriba el número de modelo y el número de serie aquí:

Número de modelo: _____

Número de serie: _____

Puede encontrarlos en la etiqueta en el costado de cada unidad.

Nombre del distribuidor: _____

Fecha de la compra: _____

ESPAÑOL

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

LEA TODAS LAS INSTRUCCIONES ANTES DE USAR EL APARATO.

Siempre siga las siguientes precauciones para evitar situaciones peligrosas y para asegurar el desempeño óptimo de su producto

⚠ ADVERTENCIA

Este símbolo indica una situación potencialmente peligrosa que, si no se evita, puede causar la muerte o heridas graves.

⚠ PRECAUCIÓN

Este símbolo indica una situación potencialmente peligrosa que, si no se evita, puede causar heridas menores o moderadas.

⚠ ADVERTENCIA

Instalación

- Para trabajo eléctrico, contacte al distribuidor, vendedor, un electricista calificado o un Centro de servicio autorizado.
  - No desarme ni repare el producto usted mismo. Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Pida asistencia al centro de servicio o tienda de especialidad en instalación cuando reinstale el producto instalado.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No desarme, arregle ni modifique productos arbitrariamente.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- El producto debe ser instalado de acuerdo con los estándares nacionales y el código local.
- Aplique el conducto no combustible completamente incluido en caso de que el código local de construcción exija plénum.
- Use procedimientos apropiados de sujeción de la unidad.
- Evite la luz del sol directa.
- Evite áreas húmedas.

En uso

- No coloque objetos inflamables cerca del producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No permita que el producto se moje.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Evite que se caiga el producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- Si el producto se moja, contáctese con su distribuidor, o centro de servicio autorizado.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas. Si no se siguen las instrucciones, puede causar la muerte o heridas graves al usuario.

- No use objetos afilados o punzantes en el producto.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o heridas.
- No toque o jale el cable conductor con las manos húmedas.
  - Existe riesgo de destrucción del producto o descarga eléctrica.

⚠ PRECAUCIÓN

En uso

- Al limpiar, no use detergentes potentes como solventes sino paños suaves.
  - Existe riesgo de incendio, descarga eléctrica, explosión, desperfecto del equipo o deformación.
- No presione la pantalla usando presión fuerte.
  - Existe riesgo de destrucción del producto o descarga eléctrica.

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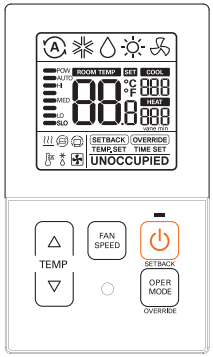
20 **CONFIGURACIÓN DE INSTALADOR**

20 Cómo entrar en el modo de configuración de instalación

ESPAÑOL

DESCRIPCIÓN

Control remoto simple con cable

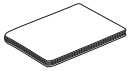


△ ▽	Botón de control de temperatura
FAN SPEED	Botón de velocidad del ventilador
⏻	Botón de Encendido/Apagado
OPER MODE	Botón de selección de modo de operación

Accessorios



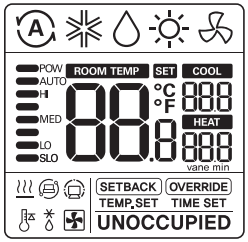
Tornillos de sujeción del control remoto (2 C/U)



Manual de instalación y del propietario

ESPAÑOL

Descripción del ícono



Función	Ícono	Descripción
Modo de operación	A	**Modo automático** - El producto cambia automáticamente entre modos de enfriado y calefacción.
	❄	**Modo de enfriado** - El producto está funcionando en el modo de enfriado.
	💧	**Modo de deshumidificación** - El producto está funcionando en el modo de deshumidificación.
	☀	**Modo de calefacción** - El producto está funcionando en el modo de calefacción.
	🌀	**Modo de operación del ventilador** - El producto está utilizando solo el ventilador para ventilar.
Subfunción	≋	**Control de calor auxiliar** - El producto opera el control de calor auxiliar mientras está en el modo de calefacción.

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Función	Ícono	Descripción
Temperatura		**Temperatura actual** - Muestra la temperatura actual de la habitación.
		Temperatura de valor determinado de enfriado - Valor determinado de temperatura para operación de enfriado.
		Temperatura de valor determinado de calefacción - Valor determinado de temperatura para operación de calefacción.
Velocidad del Ventilador	POW AUTO HI MED LO SLO	**Muestra la velocidad actual del ventilador** **POW** : Velocidad del ventilador - Potente **AUTO** : Velocidad del ventilador - Automático **HI** : Velocidad del ventilador - Alta **MED** : Velocidad del ventilador - Media **LO** : Velocidad del ventilador - Baja **SLO** : Velocidad del ventilador - Debil
Modo de controlador	SETBACK	**Modo de operación de retorno** - El controlador opera la operación de retorno.
	OVERRIDE	**Modo de control manual** - Cambio de estado ocupado/no ocupado.
Monitoreo del estado del producto		Comando recibido del controlador central o unidad exterior.
		Unidad esclava de ambientes cerrados en un sistema de bomba térmica evita que se cambie a un modo no compatible con el modo actual de la unidad exterior.
		Unidad exterior en funcionamiento.
		Funcionamiento de operación de precalefacción de unidad de interior.
		Operación de descongelado en funcionamiento.
Configuración de funciones	TIME SET	Control manual del paso de configuración del cronómetro.
	TEMP.SET	Ajuste de la temperatura de enfriamiento / calentamiento de retroceso.
	SET	Se muestra cuando se está configurando.

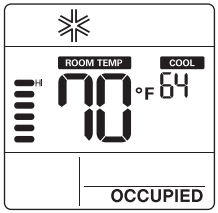
ESPAÑOL

INSTRUCCIONES DE OPERACION - Operación Estándar

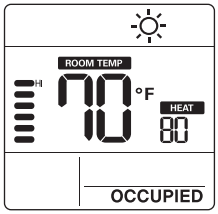
Presione el botón [OPER MODE] varias veces hasta que se seleccione el modo deseado.

Cada vez que presione el botón, el modo de operación seleccionado cambiará: Automático -> Enfriado -> Deshumidificación -> Calefacción -> Ventilador -> Automático.

Enfriado



Calefacción



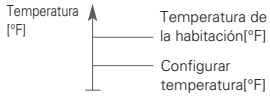
1 Ajuste a la temperatura deseada presionando los botones [TEMP].

NOTA

- El rango de configuración de temperatura es el siguiente.
  - Enfriado : 64°F a 86°F(18°C ~ 30°C)
    60°F a 86°F(16°C ~ 30°C)
    (Para algunos modelos)
  - Calefacción :
    60°F a 86°F(16°C ~ 30°C)
  - ❄ Si está conectando a una unidad de interiores con función de puntos fijos dobles.
    Enfriado : 50 ~ 99 °F (10 ~ 37.5 °C)
    Calefacción : 40 ~ 90 °F (4 ~ 32 °C)
- El modo de calefacción no está disponible para modelos exclusivamente de enfriado.

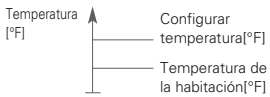
Modo de enfriado

La temperatura configurada es más baja que la temperatura de la habitación.



Modo de calefacción

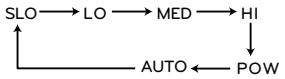
La temperatura configurada es más alta que la temperatura de la habitación.



Velocidad del ventilador

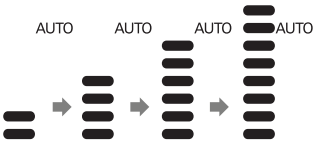
Puede simplemente ajustar la velocidad deseada del ventilador.

1 Presione el botón [FAN SPEED] para cambiar la velocidad del ventilador.

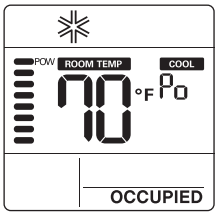


❉ Algunas velocidades del ventilador pueden no operar, dependiendo del producto.

❉ Velocidad del ventilador AUTOMÁTICA
- Se muestra como un efecto de animación como se ve a continuación.



Enfriado potente

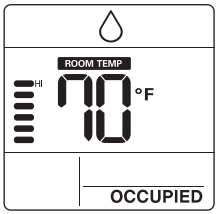


1 Presione el botón [FAN SPEED] hasta que se muestre la opción "Po".

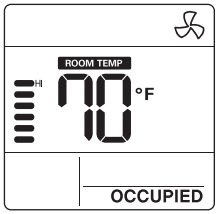
NOTA

- El enfriado potente baja rápidamente la temperatura de interiores.
  - Temperatura deseada: 64°F(18°C)
  - Velocidad del ventilador: Velocidad potente del ventilador
  - Dirección del ventilador: dirección actual del ventilador
- Si se cambia la velocidad o temperatura deseada del ventilador, el enfriado potente se cancela y opera en el modo de operación de enfriado.
- Esta función puede no tener soporte, dependiendo de los modelos.

Deshumidificación



Ventilador



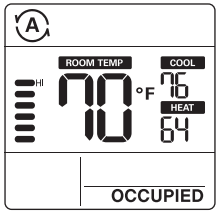
1 Presione el botón [FAN SPEED] repetidamente para ajustar la velocidad del ventilador.

NOTA

- En el modo de ventilador/deshumidificación
  - No puede ajustar temperaturas.
  - Los artículos del menú de velocidad del ventilador pueden no ser parcialmente seleccionados, dependiendo de las funciones del producto.
- Al usar el modo de deshumidificación en temporada lluviosa o climas con alta humedad puede sentir la deshumidificación y enfriado al mismo tiempo.
- El modo de ventilador solo circula el aire interior sin cambiar la temperatura de la habitación.

Operación automática (Valor determinado doble)

Esta función administra automáticamente la temperatura de la habitación, basándose en dos tipos de temperatura establecida (enfriado y calefacción) y crea un ambiente más cómodo.



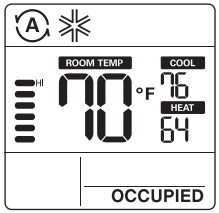
1 Presione el botón [OPER MODE] para seleccionar el modo automático (control de 2 valores determinados).

2 Presione los botones [TEMP] y luego los íconos de temperatura para calefacción y enfriado parpadearán.

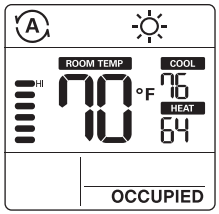
3 Puede controlar la temperatura mientras parpadea presionando los botones [TEMP].

❉ Si quiere controlar cada temperatura, presione el botón [OPER MODE] cuando los íconos de temperatura parpadeen.

Estado de funcionamiento de refrigeración

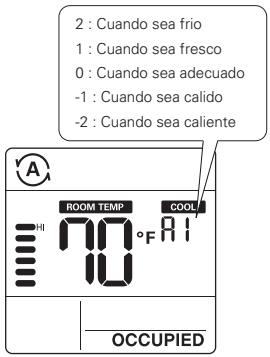


Estado de funcionamiento de calefacción



ESPAÑOL

En el caso de solo refrigeración, puede ajustar la temperatura de caliente a frío, de "-2" a "2" teniendo "0" como base.

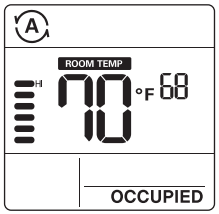


NOTA

- Cuando el control remoto tiene una conexión con una unidad de interior que no tiene soporte de "valor determinado doble", la función de operación térmica de la unidad de interior es reemplazada por un control de ENCENDIDO/APAGADO en el control remoto con cable cuando el usuario configura temperaturas objetivo en los siguientes rangos.
  - rango de temperatura de enfriado objetivo : 87~99 °F (30.5~37.5 °C)
  - rango de temperatura de calefacción objetivo : 40~59 °F (4~15.5 °C).

Operación automática (Valor determinado simple)

Esta función administra automáticamente la temperatura de la habitación, basándose en una temperatura establecida y crea un ambiente más cómodo.



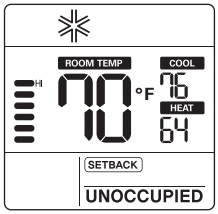
1 Presione el botón OPER MODE para seleccionar el modo automático.
2 Presione los botones TEMP y luego los temperatura parpadearán.
3 Puede controlar la temperatura mientras parpadea presionando los botones TEMP .

ESPAÑOL

INSTRUCCIONES DE OPERACION - Subfunción

Retorno

La operación de retorno regresa a la temperatura establecida hasta que la operación de retorno sea cancelada.

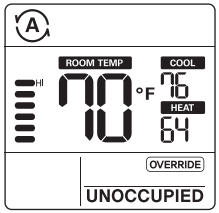


1 Presione el botón ⏻ por 3 segundos y puede operar/cancelar el retorno.

❉ No puede cambiar la configuración en la operación de retorno, excepto para cancelar el modo.
- EL bloqueo "HL" se muestra en la ventana.

Control manual

La operación de control manual regresa a la temperatura establecida hasta que la operación de control manual sea cancelada.

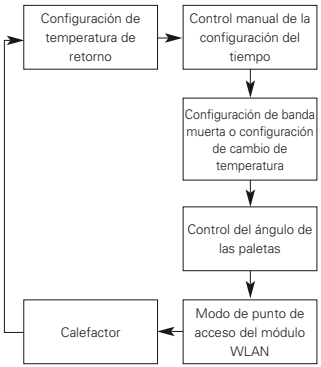


1 Presione el botón OPER MODE por 3 segundos; puede operar/cancelar el control manual.

❉ No puede cambiar la configuración en la operación de control manual, excepto para configurar la subfunción y para cancelar el modo.
- EL bloqueo "HL" se muestra en la ventana.
- Solo se aplica para "No ocupado".

ESPAÑOL

Presione el botón [FAN SPEED] durante 3 segundos. Puede ingresar al modo de configuración de subfunciones y presionar el botón [FAN SPEED] repetidamente para cambiar el modo de subfunción en el siguiente orden.



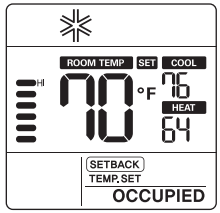
❉ Algunas funciones pueden no operar, dependiendo del producto.

❉ Configuración de banda muerta - cuando se conecta con un producto con control de 2 valores determinados.

Cambio de temperatura - cuando se conecta con un producto con control de 1 valor determinado.

Establecer la temperatura de retorno

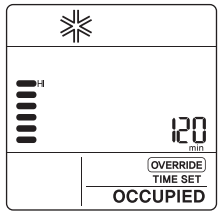
1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de retorno.
3 Presione el botón [OPER MODE] para seleccionar la temperatura de calefacción/enfriado.
4 Presione el botón [TEMP △ ▽] para cambiar la temperatura.
5 Presione el botón [⏻] para establecer la temperatura.
6 Presione el botón [FAN SPEED] durante 3 segundos.



Configurar tiempo de control manual

1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de control manual.
3 Presione el botón [TEMP △ ▽] para seleccionar el tiempo de control manual.
4 Presione el botón [⏻] para establecer la tiempo de control manual.
5 Presione el botón [FAN SPEED] durante 3 segundos.

❉ Puede configurarlo en unidades de 30 minutos.

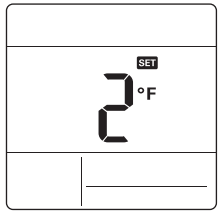


ESPAÑOL

Banda muerta (2 valores determinados)

Esta función establece la diferencia mínima entre los valores determinados de calefacción y enfriado.

❉ Esta función se usa en conexión con el producto de control de 2 valores determinados.

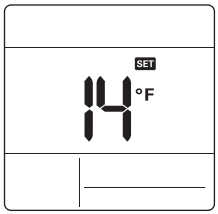


1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de banda muerta.
3 Presione el botón [TEMP △ ▽] para cambiar la temperatura de banda muerta. (0 ~ 10°F/0 ~ 5°C)
4 Presione el botón [⏻] para establecer la temperatura.
5 Presione el botón [FAN SPEED] durante 3 segundos.

Configuración de cambio de temperatura (Valor determinado simple)

Cambio de temperatura es la función para configurar el enfriado y calefacción del aire automáticamente según la temperatura en el modo de operación automático de 1 valor determinado.

❉ Esta función se usa en conexión con el producto de control de 1 valor determinado.



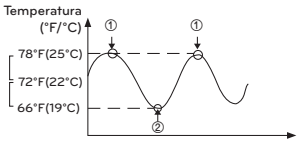
1 Presione el botón [FAN SPEED] durante 3 segundos.
2 Presione el botón [FAN SPEED] para llegar al modo de cambio de temperatura.
3 Presione el botón [TEMP △ ▽] para cambiar la temperatura. (2 ~ 14°F/1 ~ 7°C)
4 Presione el botón [⏻] para establecer la temperatura.
5 Presione el botón [FAN SPEED] durante 3 segundos.

Ejemplo de uso de cambio de temperatura

Condición
1) Modo: modo automático
2) Temperatura: 72°F(22°C)
3) Cambio de temperatura: 6°F(3°C)

❉ En un caso con las condiciones anteriores, opera como se muestra en el gráfico.

① : Comienza la operación de enfriado
② : Comienza la operación de calefacción

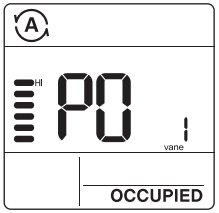


❉ Esta función puede no funcionar en algunos productos.

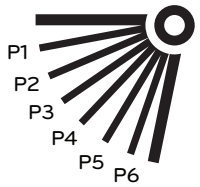
ESPAÑOL

Control del ángulo de las paletas

Esta función es para ajustar el ángulo del flujo de aire.

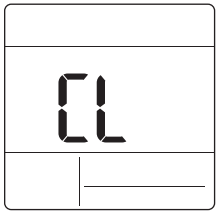


1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo de control de ángulo de las paletas.
3 Presione el botón OPER MODE para seleccionar las paletas de la unidad de espacio cerrado. (1, 2, 3, 4, Todas)
4 Presione el botón TEMP para cambiar el ángulo de las paletas. (P1 a P6)
5 Presione el botón ⏻ para establecer la ángulo de las paletas.
6 Presione el botón FAN SPEED durante 3 segundos.



Seguro para niños

Esta es la función para evitar el uso inapropiado por niños y otros.



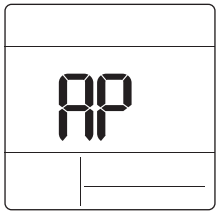
1 Presione los botones △ y FAN SPEED por 3 segundos y puede operar/cancelar el seguro para niños.
2 Para el método de desbloqueo presione los botones △ y FAN SPEED por 3 segundos.

❉ Al momento de configurar el "seguro para niños", se indicará "CL" por aproximadamente 3 segundos en la sección de temperatura de la pantalla antes de regresar al modo anterior.
❉ Después de configurar el "CL", si se configura otro botón, el botón no puede ser reconocido y el "CL" se indica en la sección de la temperatura de la pantalla por 3 segundos, aproximadamente.

Modo de punto de acceso del módulo WLAN

Es la función para operar el módulo WLAN (LAN inalámbrica) conectado al producto en el modo de punto de acceso.

ESPAÑOL

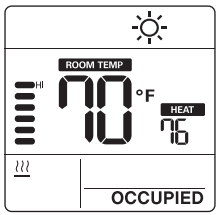


1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo de punto de acceso del módulo WLAN.
3 Mientras esté operando el módulo WLAN en modo de punto de acceso, el término "AP" parpadea en la pantalla del control remoto con cable.
4 Presione el botón FAN SPEED durante 3 segundos.

❉ Esta función está disponible para modelos particulares que apliquen el Módulo WLAN.
❉ Consulte el manual de instalación del Unidad de interior para saber si está disponible o no.

Calefactor

Es la función para reforzar la capacidad de calefacción encendiendo el calefactor eléctrico durante la operación de calefacción.



1 Presione el botón FAN SPEED durante 3 segundos.
2 Presione el botón FAN SPEED para llegar al modo calefactor.
3 Presione el botón ⏻ para seleccionar encendido/apagado en el modo calefactor
4 Presione el botón FAN SPEED durante 3 segundos.

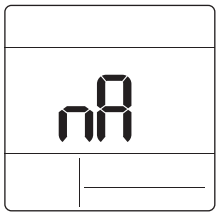
❉ Esta función puede no funcionar en algunos productos.

Botón de Bloqueo

Esta función previene cambios a la configuración de modos.

1 Presione simultáneamente los botones ▽ y FAN SPEED por 3 segundos para utilizar el modo de bloqueo.

❉ Si presiona el botón OPER MODE mientras el modo de bloqueo está activo, aparecerá la siguiente pantalla.



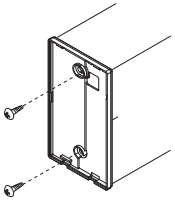
❉ En cuanto al desbloqueo, presione los botones ▽ y FAN SPEED por 3 segundos.

ESPAÑOL

INSTRUCCIONES DE INSTALACIÓN

Instalación

1 Por favor sujete de forma segura el plato trasero a la pared utilizando los tornillos proveídos.
Por favor asegúrese de no doblar el plato trasero ya que ésto podría causar problemas con la instalación.

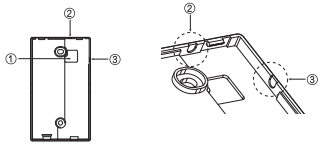


2 Hay tres configuraciones diferentes del cableado.

① A través de la superficie de la pared.

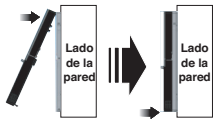
② Sección superior del Control Remoto

③ Sección derecha del Control Remoto

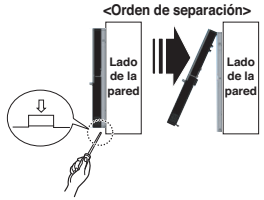


3 **Fije la parte superior del control remoto en la placa posterior sujeta a la superficie de la pared, como en la siguiente imagen, y luego conecte con la placa posterior presionando la parte inferior.**
Asegúrese de no dejar espacios en las caras superior, inferior o laterales entre el control remoto y la placa posterior.
Antes de ensamblar con la placa posterior, posicione el cable para que no interfiera con las partes del circuito.
Remueva el control remoto insertando un destornillador en los orificios de separación inferior y girando para soltar el controlador de la placa posterior.
Hay dos orificios de separación. Sepárelos individualmente, uno a la vez.
Tenga cuidado de no dañar los componentes internos cuando separe.

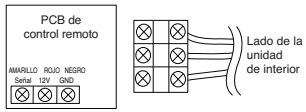
<Orden de conexión>



<Orden de separación>



4 Consulte las siguientes indicaciones cuando conecte la unidad de interior con el control remoto con cable.



ESPAÑOL

⚠ PRECAUCIÓN

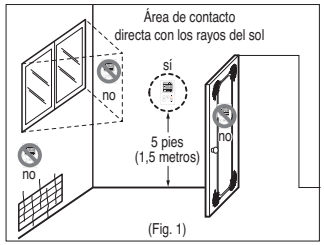
Cuando instale el control remoto con cable, no lo hunda en la pared. (Puede causar daño en el sensor de temperatura).
No instale un cable de más de 164 pies (50 metros).
(Puede causar errores de comunicación).
Especificación del cable de extensión LG incluido: AWG 24, de 3 conductores o mejor. (Modelo : PZCWRC1)

Instalación de control remoto

Debido a que el sensor de temperatura de la habitación está en el control remoto, la caja del control remoto debe instalarse en un lugar lejos del sol, la humedad y fuentes directas de aire frio, para mantener una adecuada temperatura del espacio. Instale el control remoto a unos 5 pies (1,5 m) sobre el suelo en un área con buena circulación de aire a una temperatura promedio.

No instale el control remoto donde pueda ser afectado por:

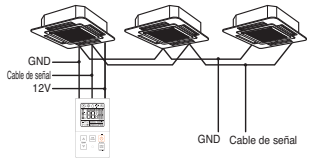
- Corrientes o puntos muertos detrás de puertas o en esquinas.
- Aire caliente o frio saliendo de conductos.
- Calor radiante del sol o electrodomésticos.
- Tuberías y chimeneas escondidas.
- Áreas no controladas, como una muralla exterior detrás del control remoto.
- Este control remoto está equipado con una pantalla LCD. Para la correcta exposición del LCD del control remoto, el control remoto debe estar instalado de forma apropiada, como se muestra en Fig. 1. (La altura estándar es de 4 a 5 pies [1,2 a 1,5 m] del nivel del suelo).



(Fig. 1)

Cuando instale más de 2 unidades de aire acondicionado a un termostato, conéctelos como se muestra a la derecha.

- Configure una unidad de interior como maestra y las demás como esclavas.



Cuando controle múltiples unidades de interior con un termostato, debe cambiar la configuración de maestra/esclava de la unidad de interior.

- Cuando DIP, SW esté configurado, recircule la energía. Cuando recircule la energía, manténgase en la posición de APAGADO por al menos 1 minuto para que entren en efecto las nuevas configuraciones.
- Para los productos para techo de cassette y conducto, cambie el ajuste del interruptor del PCB de interior.



#3 APAGUE: Maestra (Configuración de fábrica)



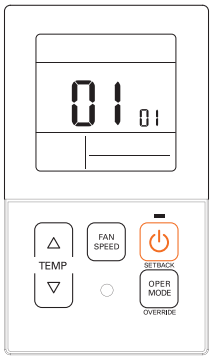
#3 ENCIENDA: Esclava

- Para productos montados en la pared y de pie, cambie la configuración de maestra/esclava con el inalámbrico. Termostato. (Consulte el manual del Termostato inalámbrico para más detalles)
Cuando controle el grupo, algunas funciones avanzadas (excluyendo configuración de operación básica, Nivel de ventilador bajo, medio y alto, configuración de bloqueo de termostato y configuración de tiempo) pueden estar limitadas.

ESPAÑOL

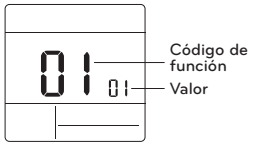
CONFIGURACIÓN DE INSTALADOR

Cómo entrar en el modo de configuración de instalación



1 Presione los botones [△] y [OPER MODE] simultáneamente por 3 segundos para entrar al modo de configuración de instalador.

2 Inicialmente, cuando entre al modo de configuración, el código de función se muestra en la pantalla d LCD.



3 Presione el botón [OPER MODE] para seleccionar el código de función.

4 Presione el botón [△ TEMP ▽] para cambiar el valor.

5 Presione el botón [⏻] para establecer el valor.

6 Presione los botones [△] y [OPER MODE] simultáneamente por 3 segundos para salir del modo de configuración de instalador.

⚠ PRECAUCIÓN

El modo de configuración de instalador es para configurar la función detallada del control remoto. Si el modo de configuración de instalador no se configura apropiadamente, puede causar problemas al producto, heridas al usuario o daño a la propiedad. Esto debe ser configurado por un instalador certificado, y cualquier instalación o cambio que se lleve a cabo por una persona no certificada deberá ser responsable por los resultados. En este caso no puede entregarse servicio gratuito.

ESPAÑOL

<Tabla de código de la configuración del instalador>

1) Producto de aire acondicionado general

Número de Código	Nombre de la función	Valor	Descripción
1	Modo de prueba de funcionamiento	00 : Operación normal (por defecto) 01 : Iniciar modo de prueba de enfriado 02 : Iniciar modo de prueba de calefacción	Iniciar modo de prueba de IDU.
2	Configuración de dirección	02 : XX: número de dirección de control central (00 a FF)	Asigne una dirección hexadecimal única cuando sea usada con un controlador central.
3	Función E.S.P.	[Seleccione velocidad del ventilador] 01 : Lenta 02 : Baja 03 : Media 04 : Alta 05 : Potente <Ejemplo> 03 01 Código de función / Valor E.S.P. Velocidad del ventilador Valor E.S.P. : 000 a 255	Consulte el manual de ingeniería para datos específicos del producto. "000" es el número que se muestra para la configuración de fábrica. Si los valores de code3 cambian de la configuración por defecto (000) entonces los valores code5, code6 y code32 no serán usados. Solo algunos productos seleccionados tienen cinco velocidades.
4	Configuración de sensor de temperatura	01 : Use el sensor del control remoto con cable (Por defecto) 02 : Use el sensor de retorno de la unidad de interior 03 : sensor 2TH - Enfriado : se usa el valor más alto del sensor - Calefacción : se usa el valor más bajo del sensor	Seleccione el valor del termistor que será usado para controlar la temperatura de la habitación.
5	Altura del techo	[Altura del techo] 01 : Baja 02 : Estándar (Por defecto) 03 : Alta 04 : Muy alta	Volumen de aire simplificado para producto de cassette y consola. Seleccione el valor que corresponde a la altura del techo donde está instalado el producto.
6	Presión estática	Estado de zona - Valor estándar de E.S.P. 01 : Variable - alto 02 : Fijo - alto 03 : Variable - bajo 04 : Fijo - bajo	Volumen de aire simplificado para producto con conducto. Seleccione el valor que corresponde al tipo de sistema de conductos unido al producto.
8	Control manual de la configuración de maestra/esclava	00 : Unidad esclava (por defecto) 01 : Unidad maestra	Esta función está disponible para ser usada con el sistema MV HP. Se selecciona una IDU como maestra y comunicará su modo a las otras IDU esclavas. Las IDU esclavas prohibirán/suprimirán las selecciones de modos opuestos.
9	Configuración de modo de contacto seco	00 (por defecto) : - Entrada cerrada = habilitar remoto - Entrada abierta = Detener IDU y deshabilitar remoto 01 : - Entrada cerrada = Encender IDU y habilitar remoto - Entrada abierta = Detener IDU y deshabilitar remoto	Esta función está disponible para ser usada con contacto seco simple.

Número de Código	Nombre de la función	Valor	Descripción
12	Cambiar entre Celsius / Fahrenheit	00 : Celsius 01 : Fahrenheit (Por defecto)	Celsius o Fahrenheit.
15	Configuración de encendido/apagado de calefacción térmica	0 : por defecto. Cada unidad de interior tiene un valor diferente con el tipo de producto. 1 : +8 °F/+12 °F (+4 °C/+6 °C) 2 : +4 °F/+8 °F (+2 °C/+4 °C) 3 : -2 °F/+2 °F (-1 °C/+1 °C) 4 : -1 °F/+1 °F (-0,5 °C/+0,5 °C) *La opción 4 está disponible bajo la condición de uso de la unidad Fahrenheit de code12.	Puede ajustar la temperatura de calefacción térmica a encendido / apagado según el ambiente del área en preparación para una declaración de sobrecalentamiento o calefacción.
17	Unidad de temperatura Celsius	00 : control de 1°C Celsius (Por defecto) 01 : Control de 0,5°C Celsius	Resolución de temperatura
18	Configuración de calefactor de emergencia	[Valor 1] 00 : Deshabilitar el calefactor de emergencia (por defecto) 01 : Habilitar calefactor de emergencia [Valor 2] 0 : Deshabilitar el calefactor de emergencia en baja temperatura del ambiente 1 a 15 : Habilitar el calefactor de emergencia en baja temperatura del ambiente 01 : -10F, 02 : -5F, 03 : 0F, 04 : 5F, 05 : 10F 06 : 15F, 07 : 20F, 08 : 25F, 09 : 30F, 10 : 35F 11 : 40F, 12 : 45F, 13 : 50F, 14 : 55F, 15 : 60F [Valor 3] 0 : Ventilador apagado 1 : Ventilador encendido (El ventilador está apagado cuando el calefactor está apagado)	Configurar el valor 1 habilita el calefactor auxiliar para ser usado cuando ODU tiene un código de error. Configurar el valor 2 habilita al ODU para estar bloqueado basado en temperatura externa seleccionada y habilita el uso del calefactor auxiliar. Configurar el valor 3 determina la operación del ventilador mientras está encendido el térmico o con un calefactor auxiliar.
19	Configuración de función en un control de grupo	00 : Deshabilitar funciones extendidas (Por defecto) 01 : Habilitar funciones extendidas	Función estándar: Encendido/Apagado, Modo, Flujo de aire (Bajo/Medio/Alto), valor determinado, Programa Función extendida: Control de ángulo del aire (todos), Remolino, Aire arriba/abajo, Aire izquierda/derecha, Enfriado con ahorro de energía, Ventilador automático
20	Purificación de plasma	00 : Deshabilitar 01 : Habilitar (Por defecto)	Es una función para configurar si se habilita o no la purificación de plasma o no.
21	Control de calor auxiliar	00 : Control manual de calor deshabilitado 01 : Control manual de calor habilitado (Por defecto)	Esta configuración permite al usuario habilitar/deshabilitar el calor auxiliar en el menú de subfunción.
25	Kit de calor auxiliar externo	00 : No instalado 01 : Instalado (Por defecto)	Esta función debe ser habilitada para usar un kit de calor auxiliar externo.

Número de Código	Nombre de la función	Valor	Descripción
26	Revise el número de dirección de la unidad de interior	XX(dirección asignada)	Mostrar dirección de IDU asignada por ODU.
27	Configuración de encendido/apagado de enfriado térmico	0 : por defecto, +1 °F/-1 °F (+0,5 °C/-0,5 °C) 1 : +12 °F/+8 °F (+6 °C/+4 °C) 2 : +8 °F/+4 °F (+4 °C/+2 °C) 3 : +2 °F/-2 °F (+1 °C/-1 °C)	Puede ajustar la temperatura de enfriado térmico a encendido / apagado según el ambiente del área en preparación para una declaración de sobreenfriado o enfriado. *Esta función está disponible desde la serie de unidades de interior Gen 4.
29	Configuración para detector de fuga de refrigerante	00 : No instalado (Por defecto) 01 : Instalado	Habilite esta función después de instalar un aparato externo de detección de fuga de refrigerante.
30	Versión SW	Muestre la versión remota de SW	Versión remota de SW
31	Configurar Temperatura de Operación	00 : 60 a 86°F(16 a 30°C) (Por defecto) 01 : 40 a 99°F(4 a 37,5°C)	Si el rango de temperatura extendida es configurado, consulte lo siguiente. - Enfriado 87~99°F (30.5~37.5°C) -> 86°F(30°C). - Calefacción 40~59°F (4~15.5°C) -> 60°F(16°C). - Si se establecen 2 valores determinados, se cambia al modo de operación actual (enfriado o calefacción) de la unidad de interior.
32	Paso de presión estática	00 : Usar el valor establecido de presión estática (código 06) (Por defecto) 01 a 11 : Valor establecido de paso de presión estática (código 32)	Si los valores de code3 cambian de la configuración por defecto (000) entonces los valores code32 no serán usados. Volumen de aire simplificado extendido para producto con conducto.
33	Cronómetro de protección	00 : 0 minuto 01 : 15 minutos (por defecto) 02 : 30 minutos 03 : 45 minutos 04 : 60 minutos	Debe pasar el tiempo mínimo antes de que el sistema pueda cambiar a un modo opuesto. (por ejemplo: cambiar de modo calefactor a enfriado)
34	Bloqueo de rango de valores determinados	00 : Deshabilitar (Por defecto) 01 : Habilitado	limita el rango de valores determinados que el usuario puede seleccionar para calefacción y enfriado. Para más información, consulte la siguiente instrucción
35	Operación del ventilador durante enfriado térmico apagado	00 : Ventilador bajo (por defecto) 01 : Ventilador apagado 02 : configuración de ventilador anterior	Configure la operación de la velocidad del ventilador cuando el enfriado térmico esté apagado
36	Control de calefactor primario	00 : calor con HP de primera etapa (por defecto) 01 : calor con HP de última etapa	El instalador debe seleccionar si la bomba de calor (HP) opera como primera o última etapa de calor con el uso de un kit de calor externo.

ESPAÑOL

Número de Código	Nombre de la función	Valor	Descripción
37	Habilitar/deshabilitar suspensión	00 : Suspensión deshabilitada (Por defecto) 01 : Suspensión habilitada	Evita o permite que el usuario seleccione la función Suspensión.
38	Operación del ventilador del aire acondicionado entrelazado con ventilación	00 : Ventilador bajo (por defecto) 01 : Ventilador apagado	Si un cassette tiene un kit de ventilación instalado, entonces es deseable limitar el flujo del aire a través del filtro de aire en una dirección opuesta al flujo diseñado.
39	Configuración de encendido automático de la IDU	00 : Habilitar el reinicio automático (Por defecto) 01 : Deshabilitar el reinicio automático	El instalador debe seleccionar si la IDU debe estar en encendido o apagado luego de que la energía regrese a la IDU.
40	Configuración del tiempo de duración de ocupación	00 : 0 minutos (por defecto) 01 : 10 minutos 02 : 30 minutos 03 : 60 minutos	El tiempo que la IDU está encendida luego de una transición al modo de ocupación.
41	Configuración de contacto seco simple (conexión CN-CC)	00 : Identificación automática de contacto seco simple (Por defecto) 01 : Deshabilitar la función. 02 : Habilitar función de contacto seco simple 03 : Habilitar función de contacto seco simple con puerto CN_EXT	Esta función se usa cuando una unidad de contacto seco simple se instala de forma adicional en la unidad de interior o la unidad de contacto seco simple es removida.
46	Configurar el ventilador continuo	00 : No usado 01 : Usado	Es la función que configura la operación continua del ventilador de interior. Incluso si la temperatura del aire en la habitación alcanza el valor determinado a través de la operación de la unidad de interior, está la capacidad de mantener la velocidad del ventilador por más tiempo.
47	Configuración de función de unidad de exterior como maestra/esclava	00 : función esclava de unidad de exterior 01 : función maestra de unidad de exterior	Esta función establece una unidad de interior como unidad de interior maestra que puede establecer funciones relacionadas con la operación de una unidad de exterior. La unidad de exterior solo acepta una unidad de interior para establecer funciones relacionadas con la operación de la unidad de exterior.
48	Función de modo silencioso de unidad de interior	00 : No usado 01 : modo silencioso bajo 02 : modo silencioso alto	Es la función para reducir el ruido del refrigerante que ocurre en la etapa inicial de la operación de la unidad de interior en el modo de calefactor.
49	Configurar el modo de descongelado de la unidad de exterior	00 : No usado 01 : Modo de remoción forzada de nieve apilada 02 : Modo de descongelado rápido 03 : Modo de remoción forzada de nieve apilada y descongelado rápido	Es la función para seleccionar la función de descongelado o remoción de nieve de la unidad de exterior.
51	Configurar la velocidad "automática" del ventilador basada en la temperatura	00 : No usado 01 : Usar velocidad "automática" del ventilador basada en la temperatura	La función de velocidad "automática" del ventilador basada en la temperatura es la función para cambiar la velocidad del ventilador de acuerdo con la diferencia entre la temperatura de la habitación y el valor determinado.

ESPAÑOL

Número de Código	Nombre de la función	Valor	Descripción
52	CN_EXT	00 : Usar el valor de configuración del código Número 41 del instalador (valor de configuración de contacto seco simple) 01 : Operación simple encendida/apagada 02 : Contacto seco simple (Toma HL cuando la operación está apagada). 03 : Detención de emergencia de unidad de interior única 04 : Ocupada / No ocupada 05 : Detención de emergencia de todas las unidades de interior ※ Solo puede configurarse cuando existe la función de detención de emergencia de las unidades de interior. 06: contacto de ventana ※ Solo se puede configurar cuando se incluye la función de contacto de ventana. 07: bloqueo de contacto de ventana ※ Solo se puede configurar cuando se incluye la función de bloqueo de contacto de ventana.	Es la función para establecer un puerto de propósito de entrada digital (CN_EXT) de la unidad de interior PCB.
56	Prioridad de ciclo de la unidad de exterior	<Seleccione modo> / < Paso > 00 : No usar / [No usar, En espera] 01 : Modo en espera / Ninguno 02 : Enfriar / [Enfriar] Paso 0 a 5	Esta es la función para eliminar el límite y configurar el modo de operación cuando es eliminado, para poder seleccionar el modo de operación opuesto al modo de operación de la unidad de exterior actualmente en operación mientras el producto conectado está en modo esclavo.
57	Temperatura exterior para etapas de calefacción	<Seleccione modo> / <Rango de configuraciones> 01 : Usar/No usar / [Usar/No usar] 02 : T1 / Ninguno 03 : △T / [Rango de configuración T1] -10 a 60°F (-23 a 16°C) [Rango de configuración △T] 0 a 70°F (0 a 35°C)	Es una función que establece valores de temperatura exterior para calefacción de dos etapas. If user sets outdoor temperature T1 and △T, indoor unit will select heating stage between indoor unit operation and heater operation.
61	Compensación de temperatura ambiente	Rango de ajuste de la temperatura de compensación : -10°F ~ 10°F(-5°C ~ 5°C)	Esta función ajusta la temperatura ambiente visualizada en el producto a la temperatura ambiente actual.
64	Control de volumen de aire	00 : Predeterminado 01 : +10 % 02 : -10 %	Esta función está disponible para cambiar el destino de la cantidad de aire.
67	Ajuste del ventilador con el térmico apagado (Modo de ocupación/funcionamiento)	<Modo de selección> / <Paso> 00: Refrigeración / Ocupado / 00: No utilizado 01: Refrigeración / No ocupado / 01: Ventilador bajo 02: Calefacción / Ocupado / 02: Ajuste anterior del ventilador 03: Calefacción / No ocupado / 03: Ventilador apagado	Ajuste el funcionamiento de la velocidad del ventilador con el térmico apagado según el modo de ocupación y de funcionamiento. Este ajuste tiene la prioridad más elevada respecto a todos los ajustes del ventilador relacionados.

❉ Algunas funciones pueden no ser mostradas dependiendo de la función del producto.

Modo de prueba de funcionamiento (Código 1)

Después de instalar el producto, usted debe ejecutar un modo de prueba de funcionamiento. Para más detalles relacionados con esta operación, consulte el manual del producto.

00: Operación normal (por defecto)
01: Iniciar modo de prueba de enfriado
02: Iniciar modo de prueba de calefacción

Durante la prueba de funcionamiento, apretar el siguiente botón cancelará la prueba de funcionamiento.
- Encendido/apagado, velocidad del ventilador, botón de modo de operación.

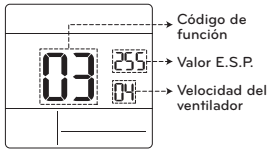
Configuración de dirección (Código 2)

Es la función para configurar la dirección de control central de la unidad de interior durante la conexión de controlador central.

XX: número de dirección de control central (00 a FF)

Función E.S.P. (Código 3)

Es la función para configurar el valor de cantidad de viento correspondiente a cada cantidad de viento para una instalación sencilla.



[Seleccione velocidad del ventilador]
Valor E.S.P.: 000 a 255
01: Lenta
02: Baja
03: Media
04: Alta
05: Potente

❉ Presione el botón FAN SPEED para seleccionar el valor de velocidad del ventilador o E.S.P.

NOTA

- Tenga cuidado al ajustar los valores de ESP.
- En algunos productos no funciona el configurar el valor de ESP para escalones débiles/potentes.
- El rango de valor de ESP depende del producto.

Configuración de sensor de temperatura (Código 4)

Esta es una función para determinar si usará el sensor montado de la unidad de interior o el sensor del controlador remoto.

<Tabla de termistor>

Selección de sensor de temperatura			Función
01	Termostato		Operar de acuerdo con el sensor de temperatura del termostato
02	Unidad de interior		Operar de acuerdo con el sensor de temperatura dela unidad de interior
03	2TH	Enfriado	Operar de acuerdo con la temperatura más alta comparando la temperatura de unidad de interior con la del termostato. (Hay productos que operan a una menor temperatura)
		Calefacción	Operar de acuerdo con la temperatura más baja comparando la temperatura de unidad de interior con la del termostato.

❉ La función 2TH tiene diferentes características de operación dependiendo del producto.

Altura del techo (Código 5)

Es la función para controlar la etapa de velocidad del ventilador de acuerdo con la altura del techo en los productos para techo.

<Tabla de selección de altura de techo>

Nivel de altura del techo		Descripción
01	Bajo	Reduce el índice de flujo de aire de interior 1 nivel desde el nivel estándar
02	Estandar	Configura el índice de flujo de aire de interior como el nivel estándar
03	Alta	Aumenta el índice de flujo de aire de interior 1 nivel desde el nivel estándar
04	Muy Alto	Aumenta el índice de flujo de aire de interior 2 niveles desde el nivel estándar

❉ La configuración de la altura del techo solo está disponible para algunos productos.
❉ La función de altura del techo "muy alta" puede no existir, dependiendo de la unidad de interior.
❉ Consulte el manual del producto para más información.

Presión estática (Código 6)

La configuración de presión estática solo puede ser configurada en los productos con conductos. (No puede ser configurada en otros productos).

<Tabla de configuración de presión estática>

Pressure selection		Función	
		Estado de zona	Valor estándar de ESP
01	V-H	Variable	Alto
02	F-H	Fijo	Alto
03	V-L	Variable	Bajo
04	F-L	Fijo	Bajo

Control manual de la configuración de maestra/esclava (Código 8)

Esta selección de función maestra/esclava es para evitar operaciones de otros modos y es la función que evita la selección de modos opuestos a la unidad de interior maestra por parte de las unidades de interior configuradas como esclavas.

M/S		Descripción
01	Maestra	Usando control de grupo, esta maestra configura el modo de las IDU esclavas.
02	Esclava	Para la unidad interior configurada como esclava, solo puede seleccionar un modo de operación del ciclo de la unidad de interior maestra. Ej.) La unidad maestra está en un ciclo de enfriado, la esclava solo puede seleccionar enfriado, deshumidificación, automático y viento. La unidad maestra está en un ciclo de calefacción, la esclava solo puede seleccionar automático, calefacción y viento.

NOTA

- La función de control manual de la configuración M/S solo está disponible en algunos productos.

Configuración de modo de contacto seco (Código 9)

La función de contacto seco es la función que puede ser usada solo cuando se compran por separado y se instalan aparatos de contacto seco.

NOTA

- Para más detalles sobre las funciones relacionadas con el modo de contacto seco, consulte el manual de contacto seco individual.
- ¿Qué es el contacto seco?
  - Significa que la entrada de señal punto de contacto cuando la tarjeta llave del hotel, sensor de detección de cuerpos humanos, etc. está haciendo interfaz con el aire acondicionado.
  - Funcionalidad de sistema añadida utilizando entradas externas (contactos secos y húmedos).

Configuración de encendido/apagado de calefacción térmica (código 15)

Puede ajustar la temperatura de calefactor a encendido / apagado de acuerdo con el ambiente del área en preparación para una declaración de sobrecalentamiento o calefacción.

Valor	Térmico encendido	Térmico apagado
0	Por defecto (Diferente en cada producto)	
1	8°F(4°C)	12°F(6°C)
2	4°F(2°C)	8°F(4°C)
3	-2°F(-1°C)	2°F(1°C)
4	-1°F(-0.5°C)	1°F(0.5°C)

Configuración de calefactor de emergencia (Código 18)

Esta función solo está disponible en algunos productos.

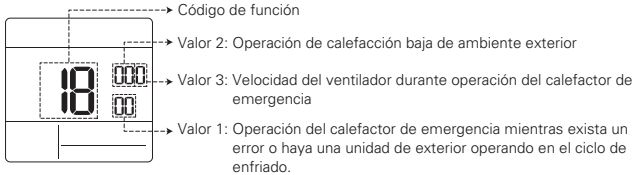
Esta función establecerá la configuración del calefactor de emergencia.

El calefactor de emergencia se usa para calentar el espacio en casos de emergencia, como un error de la bomba de calor.

El calor de emergencia se usa en vez de una bomba de calor, no como complemento.

❉ La función de configuración de calefactor de emergencia establece las siguientes condiciones:

1) Emergency heater operation while in error or outdoor unit operating in the cooling cycle.
2) Emergency heater operation in low outdoor ambient temperature.
3) Fan speed setting during emergency heater operation.



❉ Presione el botón [FAN SPEED] para ingresar valor 1, valor 2 o valor 3.

Valor 1

18:00: Deshabilitar calefactor de emergencia (Por defecto)

18:01: Habilitar calefactor de emergencia

Cuando está conectado a una unidad de interior de función general

When it connect general function indoor unit

Valor 2	Habilitar temperatura		Deshabilitar temperatura	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	No usado (por defecto)			
1	0°F	-18°C	5°F	-15°C
2	5°F	-15°C	10°F	-12°C
3	10°F	-12°C	15°F	-9°C

Cuando está conectado a una unidad de interior de función extendida

Valor 2	Habilitar temperatura		Deshabilitar temperatura	
	Fahrenheit (°F)	Celsius (°C)	Fahrenheit (°F)	Celsius (°C)
0	No usado (por defecto)			
1	-10°F	-23°C	-5°F	-20°C
2	-5°F	-21°C	0°F	-17°C
3	0°F	-18°C	5°F	-14°C
4	5°F	-15°C	10°F	-11°C
5	10°F	-12°C	15°F	-8°C
6	15°F	-9°C	20°F	-5°C
7	20°F	-7°C	25°F	-2°C
8	25°F	-4°C	30°F	1°C
9	30°F	-1°C	35°F	4°C
10	35°F	2°C	40°F	7°C
11	40°F	4°C	45°F	10°C
12	45°F	7°C	50°F	13°C
13	50°F	10°C	55°F	16°C
14	55°F	13°C	60°F	19°C
15	60°F	16°C	65°F	22°C

Valor 3

0: Ventilador apagado

1: Ventilador encendido (El ventilador está apagado cuando el calefactor está apagado)

⚠ PRECAUCIÓN

Esta configuración de función debe ser llevada a cabo por un técnico certificado.

Revise el número de dirección de la unidad de interior (Código 26)

Es la función para verificar la dirección de la unidad de interior, designada por la unidad de exterior.

Configuración de encendido/apagado de enfriado térmico (código 27)

Puede ajustar la temperatura de enfriado térmico a encendido / apagado según el ambiente del área en preparación para una declaración de sobreenfriado o enfriado.

Valor	Térmico encendido	Térmico apagado
0	1 °F(0.5°C)	-1°F(-0.5°C)
1	12°F(6°C)	8°F(4°C)
2	8°F(4°C)	4°F(2°C)
3	2°F(1°C)	-2°F(-1°C)

Configuración del rango de temperatura (código 31)

Esta función se usa para seleccionar las opciones del rango de temperatura.

Valor 00 (por defecto)

- Enfriado : 64 a 86°F(18 a 30°C)
- Calefacción : 60 a 86°F (16 a 30°C)

Valor 01

- Enfriado : 64 a 99°F(18 a 37,5°C)
- Calefacción : 40 a 86°F (4 a 30°C)

❗ NOTA

- En caso de configurar el rango de temperatura expandida (configurar), cabe señalar que la configuración del control remoto con cable puede ser alterada bajo las siguientes circunstancias.
  - En caso de enfriado de 87~99°F(30.5~37.5°C), se cambia a enfriado a 86°F (30°C).
  - En caso de calefacción de 40~59°F (4 a 15,5°C), se cambia a calefacción a 60°F (16°C).
  - Si está configurado en dos puntos de ajuste, se cambia al modo de operacion actual (enfriado o calefaccion) de la unidad de interior.

Nivel de presión estática (Código 32)

Esta es la función en la que la presión estática del producto se divide en 11 niveles para configuración.

00: Usar el valor establecido de presión estática (código 06)

01 a 11: Usar el valor establecido de paso de presión estática (código 32)

❉ Para más información del valor de cada nivel, consulte el manual del producto.

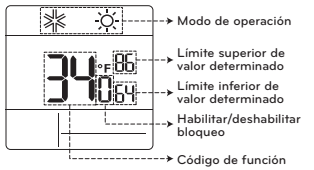
❉ Esta función se aplica solo a los productos con conductos.

❉ Configurar esto en otros casos causará un mal funcionamiento.

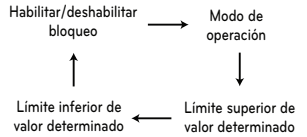
Bloqueo de rango de valores determinados (código 34)

Es la función que puede limitar el rango de la temperatura deseada que puede ser configurada en el control remoto con cable.

Cuando el rango de la temperatura está bloqueado, la temperatura deseada solo puede configurarse en el rango de los valores establecidos. Pero el valor de la temperatura deseada por la unidad de control o accesorios adicionales refleja la temperatura deseada recibida más allá del rango.



❉ Presione el botón (FAN SPEED) para seleccionar cada función como se muestra a continuación.



Metodo de control de la unidad interior	Código 31	Enfriado	Calefacción
Valor determinado simple	00	64~86 °F (18~30 °C)	60~86 °F (16~30 °C)
	01	64~99 °F (18~37.5 °C)	40~86 °F (4~30 °C)
Valor determinado doble	-	50~99 °F (10~37.5 °C)	40~90 °F (4~32 °C)

ESPAÑOL

CN_EXT (código 52)

Es la función para seleccionar una finalidad del puerto de entrada digital (CN_EXT) del PCB de la unidad interior.

Valor	Descripción
00	Use el valor de ajuste Nº 41 del código de instalador (valor de ajuste de contacto seco simple)
01	Encendido / apagado de funcionamiento simple
02	Contacto seco sencillo (se encarga de HL cuando el funcionamiento está desactivado.)
03	Parada de emergencia simple de unidad interior
04	Ocupado / No ocupado
05	Todas las parada de emergencia de unidad interior ※ Se puede ajustar solo cuando hay una función de parada de emergencia la unidad interior.
06	contacto de ventana ※ Solo se puede configurar cuando se incluye la función de contacto de ventana.
07	bloqueo de contacto de ventana ※ Solo se puede configurar cuando se incluye la función de bloqueo de contacto de ventana.

Prioridad de ciclo de la unidad de exterior (código 56)

Esta es la función para eliminar el límite y configurar el modo de operación cuando es eliminado, para poder seleccionar el modo de operación opuesto al modo de operación de la unidad de exterior actualmente en operación mientras el producto conectado está en modo esclavo.

❉ Cuando configura el código de instalador 08:00 (esclava de operación), de acuerdo con el estado de operación de la unidad de exterior, se restringe el modo de selección de enfriado/calefacción.

Valor 1 00 : No usar

- De acuerdo con el modo de operación de la unidad de exterior, se limita la selección de modo de operación.

❉ Los siguientes modos de operación pueden ser seleccionados de acuerdo con el ciclo de la unidad de exterior.
  - Ciclo de enfriado: automático, ventilador, enfriar, deshumidificación
  - Ciclo de calefacción: automático, ventilador, calor

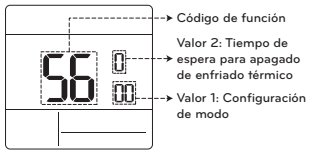
Valor 1 01 : Modo en espera

- En el caso del modo de operación opuesto al modo de operación de la unidad de exterior, mantiene su modo de operación actual. En este momento, mantiene el estado de térmico apagado + ventilador apagado.

Valor 1 02 : Enfriar

- La operación de la unidad de exterior tiene prioridad en la operación de enfriado. Es la función para permitir la operación de calefacción usando el calefactor en el producto en la operación de calefacción.

❉ Para la operación de interfaz del calefactor, configure la "configuración de calefactor de emergencia" y de "calefactor auxiliar".
  - Configuración de calefactor de emergencia - Código de instalador 18
  - Calefactor auxiliar - Código de instalador 25



❉ Presione el botón (FAN SPEED) para ingresar valor 1 o valor 2.

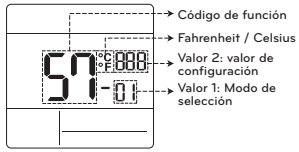
Valor 2	Tiempo de espera para apagado de enfriado térmico
0	45 minutos (por defecto)
1	30 minutos
2	60 minutos
3	90 minutos
4	120 minutos
5	No usar

ESPAÑOL

Temperatura exterior para etapas de calefacción (Código 57)

Es una función que establece valores de temperatura exterior para calefacción de dos etapas. Si el usuario ajusta la temperatura exterior T1 y △T, la unidad interior seleccionara la etapa de calentamiento entre la operación de la unidad interior y del calentador eléctrico.

❉ Cuando la configuración del calefactor de emergencia es configurada (código de instalador 18), la operación de control del calefactor de emergencia se realiza con prioridad.



❉ Presione el botón (FAN SPEED) para ingresar valor 1 o valor 2.

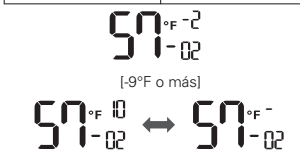
Valor 1	Select mode
1	Configuración de Usar/No usar
2	Configuración de valores para T1
3	Configuración de valores para △T

Valor 1 : 01

Valor de configuración	Descripción
0	No usar
1	Usar

Valor 1 : 02

Unidad de temperatura	Rango de configuración T1
Celsius	-23~16 °C
Fahrenheit	-10~60 °F



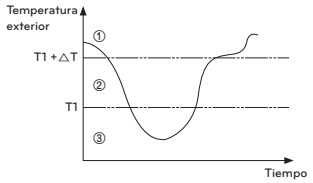
[-9°F o más]

[-10°F o menos]

Valor 1 : 03

Unidad de temperatura	Rango de configuración △T
Celsius	0~35 °C
Fahrenheit	0~70 °F

Operación de acuerdo a T1, configuración de △T y temperatura exterior.



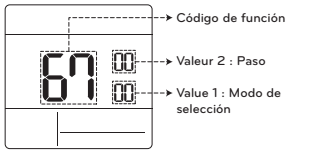
① (T1+△T < Temperatura exterior): solo se usa la bomba de calor

② (T1 < Temperatura exterior < T1 + △T) : se usa el calefactor y la bomba de calor

③ (Temperatura exterior < T1) : solo se usa el calefactor

Ajuste del ventilador con el térmico apagado (Modo de ocupación / funcionamiento) (Código 67)

Ajuste el funcionamiento de la velocidad del ventilador con el térmico apagado según el modo de ocupación y de funcionamiento.



<Modo de selección>	<Paso>
00: Refrigeración/Ocupado	00: No utilizado
01: Refrigeración/No ocupado	01: Ventilador bajo
02: Calefacción/Ocupado	02: Ajuste anterior del ventilador
03: Calefacción/No ocupado	03: Ventilador apagado


LG
Life's Good

OWNER'S MANUAL

AIR CONDITIONER



Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

TYPE : Ceiling Concealed Duct

EN ENGLISH FR FRANÇAIS ES ESPAÑOL

MFL69889210
Rev.02_102124

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www.lg.com

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE





This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.



This symbol indicates that the Owner's Manual should be read carefully.



This symbol indicates that service personnel should be handling this equipment with reference to the Installation Manual.



This symbol indicates that information is available in the Owner's Manual or Installation Manual.

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING, or CAUTION.

WARNING

Failure to follow these instructions could result in death or serious injury.

CAUTION

Failure to follow these instructions could result in minor or moderate injury or damage to the product.

All safety messages will tell you what the potential hazard is, inform you as to how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

- Installation or repairs done by unauthorized persons can pose hazards to you and others.
- Installation MUST conform to the local building codes or, in the absence of local codes, the National Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part 1 CSA C22. 1.
- The information contained in this manual is intended for use by a qualified service technician who is familiar with the safety procedures and equipped with the proper tools and test instruments.
- Failure to read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- When the power cord needs to be replaced, the replacement work should be performed by authorized personnel using only genuine replacement parts.
- This appliance is not accessible to the general public.This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Important Safety Instructions

⚠ WARNING

Installation

Contact the dealer to have the air conditioner installed.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Check the foundation for damaged on a continuous basis, especially if it has been in use for a long time.

- It may cause injury or damage to the unit or other property.

Contact the dealer for repairs, maintenance and to reinstall the airconditioner.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Be sure to only use accessories made by LG which are specifically designed for use with the equipment and have them installed by a professional.

- Improper installation or attachment of equipment or accessories could result in electric shock, a short circuit, leaks, fire or other damage to the equipment.

In the case of refrigerant leakage, consult the dealer. When installing the air conditioner in a small room, it is necessary to take proper measures so that even when it leaks, the amount of any leaked refrigerant does not exceed the limiting concentration even when it leaks. If the refrigerant leakage exceeds the limiting concentration level, an oxygen deficiency-related accident may occur.

- There is a risk of asphyxiation which could lead to serious injury or death.

Do not install the unit in an area where there are flammable materials.

- There is a risk of explosion that could result in serious injury or death.

Use a vacuum pump or insert (nitrogen) gas when performing a leakage test or air purge. Do not allow air etc. to enter the refrigerant circuit (piping). Never use refrigerants that are not specified on the specification. label and in the manuals.

- There is a risk of death, injury, fire or explosion.

For installation of the UVnano Filter Box(a non integral duct mounted UV lamp system approved by LG Electronics), always contact the service center or a professional installation agency.

- Otherwise, it may cause a ultraviolet(UV) radiation exposure to eyes and skins, electrical shock, or injury.

Do not install indoor units in laundry rooms.

Power

Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with the dealer for electrical work and grounding work.

- There is a risk.

Do not modify or extend the power cable.

- There is risk of fire or electric shock.

Be sure to establish an earth.

- There is risk of fire or electric shock.

Be sure to install an earth leakage breaker.

- There is risk of fire or electric shock.

Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock.

Do not turn on the breaker or power if the front panel, cabinet, top cover, or control box cover are removed or opened.

- Doing so could cause fire, electric shock, explosion or death.

Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is a risk of fire or electric shock.

Consult with the installation contractor for cleaning or maintenance. Turn off all electrical power before doing any cleaning or maintenance.

- There is a risk of water leakage, electric shock or serious injury.

Take care to ensure that the power cable cannot be pulled out or damaged during operation.

- There is a risk of fire or electric shock.

Do not place anything on the power cable.

- There is a risk of fire or electric shock.

Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power.

- Otherwise, water leakage may occur.

Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.

- Improper or loose connections can cause heat generation or fire.

Do not touch (operate) the product with wet hands.

- There is a risk of electrical shock.

When installing the product vertical standing position, vertical drain pan(accessory kit) must be installed.

- Otherwise, drain water leakage will occur and can cause hazardous damage.

Operation

Be sure to use only those parts which are listed in the SVC parts list. Never attempt to modify the equipment.

- The use of inappropriate parts can cause an electrical shock or fire.

Do not install the air conditioner at any place where flammable gas may leak out. If the gas leaks out and stays around the air conditioner, a fire may break out.

- There is a risk of explosion, fire and serious injury.

Never use flammable spray such as hair spray, lacquer or paint near the unit.

- Flammable spray may cause a fire.

If equipment utilizing a burner is used in the same room as the air conditioner,
there is the danger of oxygen deficiency, which could lead to asphyxiation. Be sure to ventilate the room sufficiently to avoid this hazard.

- There is a risk of serious injury or death.

Do not put fingers or other objects into the air inlet or air outlet. Never remove the fan guard of the unit.

- The fan rotates at a high speed and will cause injury.

Never sprinkle or spill water or liquids on unit.

- Doing so could cause fire, failure of the product, or electric shock.

Never let the indoor unit or the remote controller get wet.

- Water can cause an electric shock or a fire.

Do not let the air conditioner run while a door or window is open on a day with high humidity. This could result in excessive moisture and water damage.

- Excess moisture may collect and cause water damage to walls or furniture.

If there are any abnormalities in the operation of the air conditioner such as strange sounds, smoke or fire. turn off the power and contact the dealer immediately.

- There is a risk of severe injury or death.

Take care to ensure that nobody can step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

Stop operation and close all window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

- There is a risk of property damage, product failure, or electric shock.

If the product becomes soaked (flooded or submerged), contact the dealer.

- There is a risk of fire or electric shock.

Do not use the product in a tightly closed space for a long time.

- Doing so could result in a state of oxygen deficiency.

Maintenance

The heat exchanger fins are sharp edges enough to cut. To avoid injury, wear gloves or cover the fins while working around them.

Tear apart and throw away plastic packaging bags so that children will not play with them.

- Children playing with plastic bags are at risk of death by suffocation.

Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts.

- These materials could cause puncture wounds or other injuries.

⚠ CAUTION

Installation

If the refrigerant gas leaks during the installation, ventilate the area immediately.

- Such leakage it can be harmful for your health.

Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause product failure.

Keep the product level, even when installing it.

- This will help to avoid vibration or water leakage.

Use two or more people to lift and transport the product.

- This will help to avoid personal injury.

Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals, which can enter the unit. Once inside the unit, these animals can lead to the unit malfunctioning, and end up causing in smoke or fire when they make contact with electrical parts.

- There is a risk of fire or electric shock.

Do not install the product where it will be exposed to sea wind (salt spray) directly.

- This can cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

Make sure that the drainpipe is installed properly to drain water. Arrange the drain hose to ensure smooth drainage.

- Incomplete drainage may lead to water damage done to the building, furniture, etc. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, it may be because the drainpipe has become clogged with dust or dirt, and could result in water leakage in the indoor unit. In such a situation, stop operating the air conditioner or heat pump and contact the dealer.

Do not install the product where the noise or hot air from the outdoor unit could be harmful to your immediate surroundings.

- Improper placement could cause problems for your neighbors.

The Limited Warranty is void and of no effect, and LG will have no liability hereunder to any Customer or third party, to the extent any of the following occur: acts, omissions, and conduct of any and all third parties including, but not limited to, the installing contractor and any repairs, service or maintenance by unauthorized or unqualified persons.

Do not install the unit in potentially explosive atmospheres.

Operation

If refrigerant gas leaks while the unit is being repaired do not touch the leakaing refrigerant gas.

- The refrigernat gas can cause frostbite (cold burn)

Do not mix air or gases other than the specified refrigerant used in the system.

- Air entering the refrigerant system can lead to excessively high pressure causing equipment damage or injury.

Make sure that there are no obstacles close to the outdoor unit. The presence of obstacles close to the outdoor unit may reduce the performance of outdoor unit or increase its operating sound.

- This could cause product failure.

Do not use the air conditioner for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.

- Doing so could lead to risk of damage or loss of property.

Replace all the batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- Doing so could lead to a risk of fire or explosion.

Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.

- They may burn or explode.

If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.

- The chemicals in batteries could cause burns or other health hazards.

If you ingest the liquid from the batteries, brush your teeth and see a doctor. Do not use the remote if the batteries have leaked.

- The chemicals in batteries could cause burns or other health hazards.

Do not step on or put anything on the product. (outdoor units)

- Doing so could lead to a risk of personal injury and product failure.

The appliance is not intended for use by young children or infirm persons without supervision.

Do not allow a child to mount on the unit or place any object on it. Do not let children play on and around the unit.

- Falling or tumbling may result in injury. If a child touches the unit carelessly, it may result in injury.

Do not drink the water drained from the product.

- It is not sanitary and could cause serious health issues.

Maintenance

Contact the dealer for repair or maintenance.

Do not wipe the controller operation panel with benzine, thinner, chemical dust cloths, etc. The panel may get discolored or the coating may peel off. If it is very dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it dry it with another dry cloth.

- There is a risk of damage to the plastic parts of the product.

Do not insert hands or other objects through the air inlet or outlet while the product is operating.

- There are sharp and moving parts that could cause personal injury.

Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.

Do not touch the metal parts of the product when removing the air filter. They are very sharp!

- There is a risk of personal injury.

Do not drink the water drained from the product.

- It is not sanitary and could cause serious health issues.

Do not operate the air conditioner when using a room fumigation-type insecticide.

- Failure to do so could lead to the chemicals becoming deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

Notes for Safety Guide

Installation

Always perform grounding.

- Otherwise, it may cause electrical shock.

For installation of the product, always contact the service center or a professional installation agency.

- Otherwise, it may cause a fire, electrical shock, explosion or injury.

Securely attach the electrical part cover to the indoor unit and the service panel to the outdoor unit.

- If the electrical part cover of the indoor unit and the service panel of the outdoor unit are not attached securely, it could result in a fire or electric shock due to dust, water, etc.

Always install an air leakage breaker and a dedicated switching board.

- No installation may cause a fire and electrical shock.

Do not keep or use flammable gases or combustibles near the air conditioner.

- Otherwise, it may cause a fire or the failure of product.

Ensure that an installation frame of the outdoor unit is not damaged due to use for a long time.

- It may cause injury or an accident.

Do not disassemble or repair the product randomly.

- It will cause a fire or electrical shock.

Do not install the product at a place that there is concern of falling down.

- Otherwise, it may result in personal injury.

Use caution when unpacking and installing.

- Sharp edges may cause injury.

Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and Do not use Flammable gases. Otherwise, it may cause fire or explosion. There is the risk of death, injury, fire or explosion.

- Consult your lacal dealer regarding what to do in case of refrigerant leakage.
  When the air conditioner is to be installed in a small room, it is necessary to take proper measures so that the amount of any leaked refrigerant does not exceed the concentration limit in the event of a leakage. Otherwise, this may lead to an accident due to oxygen depletion.

Carry out the specified installation work after taking into account earthquakes.
Failure to do so during installation work may result in the unit falling and causing accidents.

Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.

Be sure to switch off the unit before touching any electrical parts.

Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires.

If refrigerant gas leaks during installation, ventilate the area immediately.
Toxic gas may be produced if the refrigerant gas comes into contact with fire.

Make sure to be materials in a compartment handling air for circulation through a duct supplying only one room.

Do not store or use flammable gas or combustibles near the unit.

- There is risk of fire, explosion, and physical injury or death.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources
(For example: open flames, an operating gas appliance or an operating electric heater.)

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

The manufacturer may provide other suitable examples or may provide additional information about the refrigerant odour.

Pipe-work including, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed.

An unventilated area where the appliance using flammable refrigerants is installed shall be so constructed that should any refrigerant leak, it will not stagnate so as to create a fire or explosion hazard.

Field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0,25 times the maximum allowable pressure. No leak shall be detected;

If appliances connected via an air duct system to one or more rooms with A2L REFRIGERANTS are installed in a room with an area less than Amin as determined in standard, that room shall be without continuously operating open flames (e.g. an operating gas appliance) or other POTENTIAL IGNITION SOURCES (for e.g., an operating electric heater, hot surfaces). A flame-producing device may be installed in the same space if the device is provided with an effective flame arrest.

After completion of field piping for split systems, the field pipework shall be pressure tested with an inert gas and then vacuum tested prior to refrigerant charging, according to the following requirements:

- The minimum test pressure for the low side of the system shall be the low side design pressure and the minimum test pressure for the high side of the system shall be the high side design pressure, unless the high side of the system, cannot be isolated from the low side of the system in which case the entire system shall be pressure tested to the low side design pressure.
- The test pressure after removal of pressure source shall be maintained for at least 1 h with no decrease of pressure indicated by the test gauge, with test gauge resolution not exceeding 5% of the test pressure.
- During the evacuation test, after achieving a vacuum level specified in the manual or less, the refrigeration system shall be isolated from the vacuum pump and the pressure shall not rise above 1500 microns within 10 min. The vacuum pressure level shall be specified in the manual, and shall be the lessor of 500 microns or the value required for compliance with national and local codes and standards, which may vary between residential, commercial, and industrial buildings.

Qualification of workers

The manual shall contain specific information about the required qualification of the working personnel for maintenance, service and repair operations. Every working procedure that affects safety means shall only be carried out by qualified person by manufacturer.

Examples for such working procedures are:

- Breaking into the refrigerating circuit;
- Opening of sealed components;
- Opening of ventilated enclosures.

Refrigerant tubing shall be protected or enclosed to avoid damage.

Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage.

A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts.

Keep any required ventilation openings clear of obstruction.

Mechanical connections (mechanical connectors or flared joints) shall be accessible for maintenance purposes.

Flexible pipe elements shall be protected against mechanical damage, excessive stress by torsion, or other forces. They should be checked for mechanical damage annually.

Protection devices, piping and fittings shall be protected as far as possible against adverse environmental effects, for example, the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris.

Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping.

Piping in refrigerating systems shall be so designed and installed to minimize the likelihood hydraulic shock damaging the system.

Provision shall be made for expansion and contraction of long runs of piping.

Steel pipes and components shall be protected against corrosion with a rustproof coating before applying any insulation.

Ducts connected to an appliance shall not contain a potential ignition source.

The supply and return air shall be directly ducted to the space.

Open areas such as false ceilings shall not be used as a return air duct.

Only auxiliary devices approved by the appliance manufacturer or declared suitable with the refrigerant shall be installed in connecting ductwork.

Auxiliary devices which can be potential ignition source shall not be installed in connecting ductwork. Examples of potential ignition sources are UV lights, electric heaters with a temperature exceeding 700 ℃, pilot flames, brushed motors and similar devices.

For duct connected appliances, false ceilings or drop ceilings may be used as a return air plenum if a REFRIGERANT DETECTION SYSTEM is provided

in the appliance and any external connections are also provided with a sensor immediately below the return air plenum duct joint.

Wiring

High voltage electricity is required to operate this system. Adhere to applicable building codes: National Electrical Code (NEC) for U.S. and Mexico, Canada Electrical Code (CE) for Canada and these instructions when wiring.

- Improper connections and inadequate grounding can cause accidental injury or death.

Always ground the unit following local, state, and national Codes.

- There is risk of fire, electric shock, and physical injury or death.

Properly size all circuit breakers or fuses.

- There is risk of fire, electric shock, explosion, physical injury or death.

The information contained in this manual is intended for use by an industry-qualified, experienced, certified electrician familiar with NEC for U.S. and Mexico, or CE for Canada who is equipped with the proper tools and test instruments.

- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury or death.

Refer to local, state, and federal codes, and use power wires of sufficient current capacity and rating.

- Wires that are too small may generate heat and cause a fire.

All electric work must be performed by a licensed electrician and conform to local building codes or, in the absence of local codes, with NEC for U.S. and Mexico, or CE for Canada, and the instructions given in this manual.

- If the power source capacity is inadequate or the electric work is not performed properly, it may result in fire, electric shock, physical injury or death.

Secure all field wiring connections with appropriate wire strain relief.

- Improperly securing wires will create undue stress on equipment power lugs. Inadequate connections may generate heat, cause a fire and physical injury or death.

Properly tighten all power lugs.

- Loose wiring may overheat at connection points, causing a fire, physical injury or death.

⃠ Do not change the settings of the protection devices.

- If the pressure switch, thermal switch, or other protection devices are bypassed or forced to work improperly, or parts other than those specified by LG are used, there is risk of fire, electric shock, explosion, and physical injury or death.

The appliance shall be installed in accordance with national wiring regulations.

Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

NOTE

- ⃠ Do not supply power to the unit until all electrical wiring, controls wiring, piping, installation, and refrigerant system evacuation are completed.

Operation

Unplug the unit if strange sounds, smell, or smoke comes from it.

- Otherwise, it may cause electrical shock or a fire.

Keep the flames away.

- Otherwise, it may cause a fire.

Take the power plug out if necessary, holding the head of the plug and do not touch it with wet hands.

- Otherwise, it may cause a fire or electrical shock.

Do not open the suction inlet of the indoor/outdoor unit during operation.

- Otherwise, it may electrical shock and failure.

Do not allow water to run into electrical parts.

- Otherwise, it may cause the failure of machine or electrical shock.

Never touch the metal parts of the unit when removing the filter.

- They are sharp and may cause injury.

Do not step on the indoor/outdoor unit and do not put anything on it.

- It may cause an injury through dropping of the unit or falling down.

When the product is submerged into water, always contact the service center.

- Otherwise, it may cause a fire or electrical shock.

Take care so that children may not step on the outdoor unit.

- Otherwise, children may be seriously injured due to falling down.

The appliance shall be stored so as to prevent mechanical damage from occurring.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

LEAK DETECTION SYSTEM installed. Unit must be powered except for service. This unit is equipped with a refrigerant leak detector for safety. To be effective, the unit must be electrically powered at all times after installation, other than when servicing.

Service & Installation

Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

Presence of fire extinguisher

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

No ignition sources

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.

All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out.

The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.

At all times the manufacturer’s maintenance and service guidelines shall be followed. If in doubt consult the manufacturer’s technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed
- The ventilation machinery and outlets are operating adequately and are not obstructed
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected
- Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

Checks to the area

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- Capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- No live electrical components and wiring are exposed while charging, recovering or purging the system.
- Continuity of earth bonding

Repairs to sealed components

Sealed electrical components shall be replaced.

Repair to intrinsically safe components

Intrinsically safe components must be replaced.

Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

Leak detection methods

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration.(Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

NOTE

- Examples of leak detection fluids are.
  - Bubble method.
  - Fluorescent method agents.

If a leak is suspected, all naked flames shall be removed / extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to removal and evacuation procedure.

Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.

The following procedure shall be adhered to:

- Safely remove refrigerant following local and national regulations;
- Evacuate;
- Purge the circuit with inert gas (optional for A2L);
- Evacuate (optional for A2L);
- Continuously flush or purge with inert gas when using flame to open circuit; and
- Open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.

Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be

available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept in an appropriate position according to the instruction.
- Ensure that the refrigerating system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigerating system.

Prior to recharging the system, it shall be pressure tested with the appropriate purging gas.

The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended good practice that all refrigerants are recovered safely.
Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant.

It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:

- Mechanical handling equipment is available, if required, for handling refrigerant cylinders
- All personal protective equipment is available and being used correctly
- The recovery process is supervised at all times by a competent person
- Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders. (No more than 80 % volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigerating system unless it has been cleaned and checked.

Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.

The label shall be dated and signed.

Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.

Ensure that the correct number of cylinders for holding the total system charge is available.

All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).

Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order.

Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant.

If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order.

Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged.

Do not mix refrigerants in recovery units and especially not in cylinders.

If compressor or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.

The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process.

When oil is drained from a system, it shall be carried out safely.

⚠ CAUTION

Installation

Install the drain hose to ensure that drain can be securely done.

- Otherwise, it may cause water leakage.

Install the product so that the noise or hot wind from the outdoor unit may not cause any damage to the neighbors.

- Otherwise, it may cause dispute with the neighbors.

Always inspect gas leakage after the installation and repair of product.

- Otherwise, it may cause the failure of product.

Keep level parallel in installing the product.

- Otherwise, it may cause vibration or water leakage.

Do not install the unit in potentially explosive atmospheres.

The installation of pipe-work shall be kept to a minimum.

Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.

When mechanical connectors are reused indoors, sealing parts shall be renewed.

When flared joints are reused indoors, the flare part shall be re-fabricated.

Operation

Avoid excessive cooling and perform ventilation sometimes.

- Otherwise, it may do harm to your health.

Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.

- The appearance of the air conditioner may deteriorate, change color, or develop surface flaws.

Do not use an appliance for special purposes such as preserving animals vegetables, precision machine, or art articles.

- Otherwise, it may damage your properties.

Do not place obstacles around the flow inlet or outlet.

- Otherwise, it may cause the failure of appliance or an accident.

This appliance is not intended for the purposes of cooling INFORMATION TECHNOLOGY EQUIPMENT

Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Service

Servicing shall be performed only as recommended by the manufacturer.

PRIOR TO OPERATION

Preparing for operation

1. Contact an installation specialist for installation.
2. Use a dedicated circuit.

Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.
4. While using the remote control, refer the user manual of that particular remote controller.

Cleaning and maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

Service

For repair and maintenance, contact your authorized service dealer.

⚠ PRECAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- Contact an installation specialist for installation of this unit.
- The air conditioner is not intended for use by young children or disabled individuals without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord needs to be replaced, replacement work should be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

READ THIS MANUAL

Inside you will find many helpful hints on how to properly use and maintain your air conditioner. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

FOR YOUR RECORDS

Write the model and serial numbers here.

Model	
Serial	

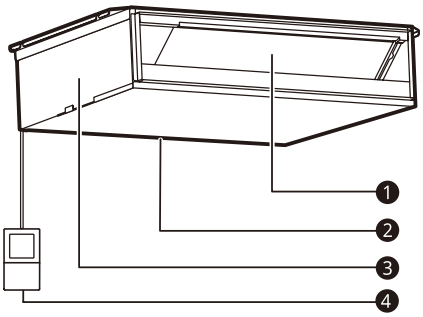
You can find them on a label on the side of each unit.

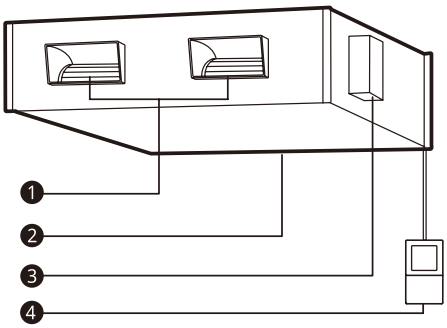
Dealer's Name	
Date Purchased	

OPERATION

Parts and Functions

Indoor Unit

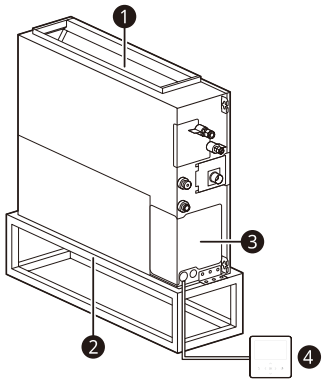




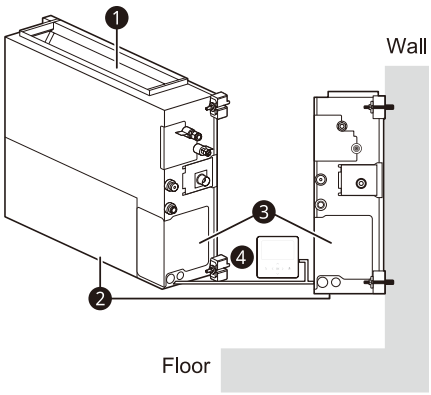
Only MA chassis – Vertical installation (Option)

*You must purchase the optional parts in order to install product vertically.

Case 1. Installation on the floor



Case 2. Installation on the wall



❶ Air Outlet Vents
❷ Air Intake Vents
❸ Control Box
❹ Wired Remote Controller (Accessory)

NOTE

- The features may differ based on the type of model.
- Use time delay fuses only. Check the fuses specification with the circuit label affixed to the control cover.

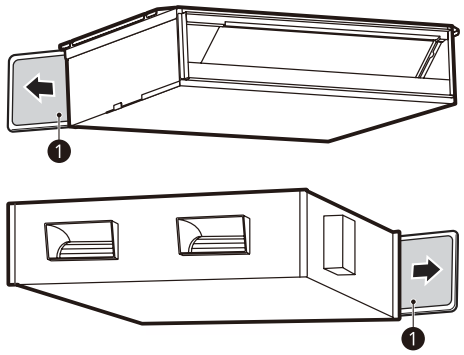
ENGLISH

MAINTENANCE

Cleaning the Air Filter

The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.

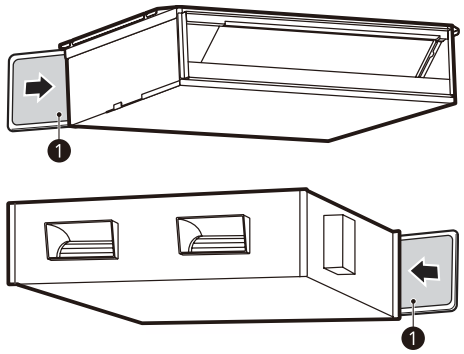
1 Remove the air filters from the indoor unit.
- Hold the tab and pull slightly forward to remove the filter.



2 Clean dirt from the air filter using a vaccum cleaner or washing with water.
- The air filter has become very dirty or clogged, wash with a neutral detergent in lukewarm water.

3 After washing with water, dry thoroughly in the shade.

4 Install the air filter.



❶ Air filters

⚠ CAUTION

- Supply power must be disconnected before cleaning the indoor unit.
- Never use water that is higher than 40 °C (104 °F) when you clean the air filter. It may cause deformation or discolouration.
- Never use volatile substances when you clean the air filter. They may damage the surface of the product.
- When the air filter is to be removed, do not touch the metal parts of the indoor unit. It may cause an injury.

NOTE

- Turn off the appliance before cleaning and wipe with a soft and dry cloth. Do not use bleach or abrasives.
- Do not expose the air filter to direct sunlight or heat from a fire when drying it.
- The feature may be changed according to the type of model.

When air conditioner is not going to be used for a long period of time

1. Operate the air conditioner at the following settings for 2 to 3 hours.
   - Type of operation: Fan operation mode.
   - This will dry out the internal mechanisms.
2. Turn off the breaker.

> **⚠ CAUTION**
>
> - Turn off the breaker when the air conditioner is not going to be used for a long period of time.
>   – Dirt may collect and may cause a fire.

NOTE

- Dust and impurities collected in the air filter may block the air flow or reduce the unit performance.

When using the air conditioner after a long period of non-use

1. Clean the air filter and install it in the indoor unit.
2. Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
3. Check that the ground wire is connected correctly.
   - The ground wire may be connect to the indoor unit side.

Operation Tips

- Do not overcool the room.
  – This is not good for the health and wastes electricity.
- Keep blinds or curtains closed.
  – Do not let direct sunshine enter the room when the air conditioner is in operation.
- Make sure that the doors and windows are shut tight.
  – Avoid opening doors and windows as much as possible to keep the cool air in the room.
- Clean the air filter regularly.
  – Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.
- Ventilate the room occasionally.
  – Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

TROUBLESHOOTING

Before Calling for Service

Check the following before calling for service. If the problem persists, contact an LG Electronics service center(centre) or your dealer.

Symptoms	Possible Causes & Solution
The air conditioner does not operate.	**Have you made a mistake in setting the timer?**
	Has the fuse blown or has the circuit breaker been tripped?
R32 refrigerant leakage detecting system is activated.	**If there are error code such as 228,229 and 230, ventilate the room and contact authorized personnel immediately.**
	If there is an error code of 236, the refrigerant leak detector has a lifetime of less than 6 months. Contact authorized personnel immediately.
The room has a peculiar odor.	**Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.**
It seems that condensation is leaking from the air conditioner.	**Condensation occurs when the airflow from the air conditioner cools the warm room air.**
Air conditioner does not operate for about 3 minutes after restarting.	**This is a protective mechanism.**
	Wait about three minutes and operation will begin.
Does not cool or heat effectively.	**Is the air filter dirty? See air filter cleaning instructions.**
	The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.
	Has the temperature settings been set incorrectly?
	Are the indoor unit's air inlet or outlet vents obstructed?
The air conditioner operation is noisy.	**For a noise that sounds like water flowing.** • This is the sound of freon flowing inside the air conditioner unit.
	For a noise that sounds like compressed air releasing into the atmosphere. • This is the sound of the dehumidified water being processed inside the air conditioning unit.
A cracking sound is heard.	**This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes in temperature.**
Remote control display is faint, or no display at all.	**Are the batteries depleted?**
	Are the batteries inserted in the opposite (+) and (-) directions?

NOTE

- The outdoor side of this appliance is WATER RESISTANT. The indoor side is not water resistant and should not be exposed to excess water.

LIMITED WARRANTY (USA)

The product’s full Limited Warranty terms and conditions and arbitration requirements are available at https://www.lghvac.com

LIMITED WARRANTY (CANADA)

THE PRODUCT'S FULL LIMITED WARRANTY TERMS AND CONDITIONS ARE AVAILABLE AT HTTPS://WWW.LGHVAC.COM

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS THE LAWS OF YOUR PROVINCE OR TERRITORY DO NOT PERMIT THAT, OR, IN OTHER JURISDICTIONS, IF YOU CHOOSE TO OPT OUT. FOR FURTHER CLARITY, THIS ARBITRATION PROVISION IS NOT APPLICABLE TO CUSTOMERS RESIDING IN ONTARIO. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

PROCEDURE FOR RESOLVING DISPUTES:

EXCEPT WHERE PROHIBITED BY LAW, ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. EXCEPT WHERE PROHIBITED AT LAW, YOU AND LG BOTH IRREVOCABLY AGREE TO WAIVE THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION. FOR CLARITY, THIS PROVISION DOES NOT APPLY TO CONSUMERS RESIDING IN ONTARIO.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics Canada, Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LGECI Legal Team at 20 Norelco Drive, North York, Ontario, Canada M9L 2X6 (the "Notice of Dispute"). You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days of LG's receipt of the Notice of Dispute, the dispute shall be resolved by binding arbitration in accordance with the procedure set out herein. You and LG both agree that, during the arbitration proceeding, the terms (including any amount) of any settlement offer made by either you or LG will not be disclosed to the arbitrator until the arbitrator determines the dispute.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after LG's receipt of the Notice of Dispute, you and LG agree to resolve any claims between you and LG only by binding arbitration on an individual basis, unless you opt out as provided below, or you reside in a jurisdiction that prevents full application of this clause in the circumstances of the claims at issue (in which case if you are a consumer, this clause will only apply if you expressly agree to the arbitration). To the extent permitted by applicable law, any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, except to the extent such a prohibition is not permitted at law, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis except to the extent this prohibition is not permitted at law in your province or territory of jurisdiction as it relates to the claims at issue between you and LG. This does not apply to consumers in Ontario. In accordance with provincial legislation, the consumer and LG may agree to resolve the dispute using any procedure available, including commencing the action in the Superior Court of Justice.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be private and confidential, and conducted on a simplified and expedited basis before a single arbitrator chosen by the parties under the provincial or territorial commercial arbitration law and rules of the province or territory of your residence. You must also send a copy of your written demand to LG at LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. This arbitration provision is governed by your applicable provincial or territorial commercial arbitration legislation. For consumers in Ontario, the applicable arbitration legislation only applies if consumers agree to submit the dispute to arbitration. Judgment may be entered on the arbitrator's award in any

court of competent jurisdiction. All issues are for the arbitrator to decide, except that, issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the province or territory of your purchase shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG attorn to the exclusive jurisdiction of the courts of the province or territory of your purchase for the resolution of the claim, action, dispute or controversy between you and LG.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the applicable arbitration rules. Except as otherwise provided for herein, LG will pay all filing, administration and arbitrator fees for any arbitration initiated in accordance with the applicable arbitration rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the applicable laws), then the payment of all arbitration fees will be governed by the applicable arbitration rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the applicable arbitration rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely (1) on the basis of documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the applicable arbitration rules. If your claim exceeds $25,000, the right to a hearing will be determined by the applicable arbitration rules. Any in-person arbitration hearings will be held at the nearest, most mutually-convenient arbitration location available within the province or territory in which you reside unless you and LG both agree to another location or agree to a telephonic arbitration.

Severability and Waiver. If any portion of this Limited Warranty (including these arbitration procedures) is unenforceable, the remaining provisions will continue in full force and effect to the maximum extent permitted by applicable law. Should LG fail to enforce strict performance of any provision of this Limited Warranty (including these arbitration procedures), it does not mean that LG intends to waive or has waived any provision or part of this Limited Warranty.

Opt Out. The arbitration provision requires you and LG to resolve disputes by binding arbitration instead of court, unless the laws of your province or territory do not permit that, or, in other jurisdictions, if you choose to opt out. The arbitration provision does not apply to consumers in Ontario.

For individuals that fall within the binding arbitration provisions, you may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out;" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/ca_en/findmodel_serial/).

In the event that you "Opt Out", the law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG agree to attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

Conflict of Terms. In the event of a conflict or inconsistency between the terms of this Limited Warranty and the End User License Agreement ("EULA") in regards to dispute resolution, the terms of this Limited Warranty shall control and govern the rights and obligations of the parties and shall take precedence over the EULA.

MANUEL DE L’UTILISATEUR

CLIMATISEUR



Lisez ce manuel d’utilisation avant d’utiliser l’appareil et conservez-le à portée de main pour référence ultérieure.

TYPE : Conduit

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CONSIGNES DE SÉCURITÉ

LISEZ TOUTES LES INSTRUCTIONS AVANT L'UTILISATION





Ce symbole indique que cet appareil utilise un fluide frigorigène inflammable. Si le fluide frigorigène fuit et est exposé à une source d'inflammation externe, il y a un risque d'incendie.



Ce symbole indique que le manuel du propriétaire doit être lu attentivement.



Ce symbole indique que le personnel d'entretien doit manipuler cet équipement en se référant au manuel d'installation.



Ce symbole indique que des informations sont disponibles dans le manuel du propriétaire ou le manuel d'installation.

Votre sécurité et celle des autres sont très importantes.

Nous avons joints de nombreux messages importants relatifs à la sécurité dans ce manuel et sur votre appareil. Lisez et respectez toujours ces messages de sécurité.

Ceci est le symbole d'alerte de sécurité.

Ce symbole vous signale les dangers potentiels qui peuvent entraîner des blessures ou la mort.

Tous les messages de sécurité suivront le symbole d'alerte de sécurité et le mot AVERTISSEMENT ou ATTENTION.

AVERTISSEMENT

Le non-respect de ces instructions peut entraîner des blessures graves ou la mort.

ATTENTION

Le non-respect de ces instructions peut entraîner des blessures mineures, ou modérées ou des dommages au produit.

Tous les messages de sécurité vous informeront du danger potentiel, de la façon de réduire les risques de blessures et des risques encourus si les instructions ne sont pas respectées.

CONSIGNES DE SÉCURITÉ IMPORTANTES

⚠ AVERTISSEMENT

Pour réduire tout risque d'explosion, d'incendie, de décès, de choc électrique, de blessures ou de brûlures liées à l'utilisation de ce produit, respectez les précautions de base, y compris :

- Une installation ou des réparations effectuées par des personnes non autorisées peuvent présenter des risques pour vous et les autres.
- L'installation DOIT être conforme aux codes de construction locaux ou, en l'absence de codes locaux, au Code national de l'électricité NFPA 70/ANSI C1-1003, ou édition courante, et au Code canadien de l'électricité, Première partie, CSA C22.1.
- Les informations contenues dans le manuel sont destinées à être utilisées par un technicien qualifié familier avec les procédures de sécurité et équipé avec les outils et instruments de test appropriés.
- Le fait de ne pas lire et de suivre toutes les instructions de ce manuel peut entraîner un mauvais fonctionnement de l'équipement, des dommages matériels, des blessures et/ou la mort.
- Lorsque le cordon d'alimentation doit être remplacé, les travaux de remplacement doivent être effectués par le personnel autorisé en utilisant uniquement des pièces de rechange d'origine.
- Cet appareil n'est pas accessible au grand public. Cet appareil n'est pas destiné à être utilisé par des personnes (y compris les enfants) présentant des capacités physiques, sensorielles ou mentales réduites, ou ne disposant pas de l'expérience et des connaissances requises, à moins d'être supervisées ou instruites à l'utilisation de l'appareil par une personne responsable de leur sécurité. Les enfants doivent être surveillés pour éviter qu'ils jouent avec l'appareil.

Consignes de sécurité importantes

⚠ AVERTISSEMENT

Installation

Contactez le détaillant pour faire installer le climatiseur.

- Une installation incomplète effectuée par vous-même peut entraîner une fuite d'eau, un choc électrique ou un incendie.

Vérifiez sur une base régulière si la base est endommagée, surtout si elle a été utilisée pendant une longue période.

- Cela peut causer des blessures ou des dommages à l'appareil ou à d'autres biens.

Contactez le détaillant pour les réparations, l'entretien et pour la réinstallation du climatiseur.

- Une installation incomplète effectuée par vous-même peut entraîner une fuite d'eau, un choc électrique ou un incendie.

Assurez-vous d'utiliser uniquement des accessoires fabriqués par LG spécifiquement conçus pour une utilisation conforme à l'équipement et faites-les installer par un professionnel.

- Une installation ou une fixation incorrecte de l'équipement ou des accessoires peuvent entraîner un choc électrique, un court-circuit, des fuites, un incendie ou d'autres dommages à l'équipement.

En cas de fuite du gaz réfrigérant, consultez le détaillant. Si vous installez le climatiseur dans une petite pièce, vous devez prendre des mesures appropriées pour que, même en cas de fuite, la quantité de gaz réfrigérant qui a fuit de réfrigérant ne dépasse pas la concentration limite. Si la fuite de gaz réfrigérant dépasse le niveau de concentration limite, un accident lié à un manque d'oxygène peut se produire.

- Il existe un risque d' asphyxie qui pourrait entraîner des blessures graves ou la mort.

N'installez pas l'appareil dans une zone contenant des matériaux inflammables.

- Il existe un risque d'explosion qui pourrait entraîner des blessures graves ou la mort.

Utilisez une pompe à vide ou insérez du gaz (azote) lorsque vous effectuez un test de fuite ou de purge d'air. Ne laissez pas d'air ni quoi que ce soit d'autre. pénétrer dans le circuit du gaz réfrigérant (tuyauterie). N'utilisez jamais de gaz réfrigérants qui ne figurent pas dans les spécifications, sur les étiquettes et dans les manuels.

- Il existe un risque de décès, de blessure, d'incendie ou d'explosion.

Pour l'installation du caisson filtrant UVnano (un système de lampe UV non intégré monté sur conduit approuvé par LG Electronics), contactez toujours le centre de service ou une agence d'installation professionnelle.

- Dans le cas contraire, cela pourrait entraîner une exposition aux rayons ultraviolets (UV) pour les yeux et la peau, un choc électrique ou des blessures.

N'installez pas d'unités intérieures dans les buanderies.

Alimentation

N'essayez pas de réaliser les travaux d'électricité ou de mise à la terre, sauf si vous êtes autorisé à le faire. Consultez le détaillant pour les travaux électriques et les travaux de mise à la terre.

- Il existe un risque.

Ne modifiez pas et le cordon d'alimentation et n'utilisez pas de rallonge.

- Il existe un risque d'incendie ou de choc électrique.

Assurez-vous d'établir un raccordement à la terre.

- Il existe un risque d'incendie ou de choc électrique.

Assurez-vous d'installer un disjoncteur de fuite à la terre.

- Il existe un risque d'incendie ou de choc électrique.

Installez toujours un circuit et un disjoncteur dédiés.

- Un câblage ou une installation incorrects peuvent provoquer un incendie ou un choc électrique.

N'activez pas le disjoncteur ou l'alimentation si le panneau avant, l'armoire, le capot supérieur ou le couvercle du boîtier de commande sont retirés ou ouverts.

- Cela pourrait provoquer un incendie, un choc électrique, une explosion ou la mort.

N'utilisez pas un disjoncteur défectueux ou à tension nominale inférieure. Utilisez cet appareil sur un circuit dédié.

- Il existe un risque d'incendie ou de choc électrique.

Consulter l'installateur pour le nettoyage ou l'entretien. Coupez l'alimentation électrique avant d'effectuer toute opération de nettoyage ou d'entretien.

- Il existe un risque de fuite d'eau, de choc électrique ou de blessures graves.

Veillez à ce que le cordon d'alimentation ne puisse pas être retiré ou endommagé pendant le fonctionnement.

- Il existe un risque d'incendie ou de choc électrique.

Ne placez rien sur le cordon d'alimentation.

- Il existe un risque d'incendie ou de choc électrique.

Ne coupez pas l'alimentation immédiatement après l'arrêt de l'appareil. Attendez toujours au moins cinq minutes avant la mise hors tension.

- Dans le cas contraire, une fuite d'eau peut se produire.

Le branchement des câbles intérieurs et extérieurs doi être fixé solidement et le câble doit être acheminé correctement de sorte qu'il ne soit pas soumis à une traction à partir des bornes de connexion.

- Un branchement inadéquat peut entraîner une surchauffe ou causer un incendie.

Ne touchez pas (manipuler) le produit avec les mains mouillées.

- Il existe un risque de choc électrique.

Il est nécessaire d'installer le bac d'écoulement vertical (kit d'accessoires) lorsque le produit est placé en position verticale.

- Sinon, il y aura une fuite d'eau de drainage, ce qui pourrait entraîner des dommages dangereux.

Utilisation

Assurez-vous de n'utiliser que les pièces répertoriées dans la liste des pièces SVC. Ne tentez jamais de modifier l'appareil.

- L'utilisation de pièces inappropriées peut provoquer un choc électrique ou un incendie.

N'installez pas le climatiseur dans un endroit où un gaz inflammable peut fuir. Si le gaz fuit et reste autour du climatiseur, un incendie peut éclater.

- Il existe un risque d'explosion, d'incendie et de blessures graves.

N'utilisez jamais un aérosol inflammable comme de la laque à cheveux, de la laque ou de la peinture à proximité de l'appareil.

- Un aérosol inflammable peut provoquer un incendie.

Si un équipement utilisant un brûleur est utilisé dans la même pièce que le climatiseur,
il existe un danger de manque d'oxygène, ce qui pourrait entraîner l'asphyxie. Assurez-vous d'aérer suffisamment la pièce pour éviter ce danger.

- Il existe un risque de blessures graves ou de décès.

Ne mettez pas les doigts ni aucun objet dans l'entrée ou la sortie d'air. Ne retirez jamais le capot du ventilateur de l'appareil.

- Le ventilateur tourne à une vitesse élevée et causerait des blessures.

Ne jamais vaporiser ou verser d'eau ou de liquides sur l'appareil.

- Cela pourrait provoquer un incendie, une défaillance du produit, ou un choc électrique.

Ne jamais laisser l'humidité pénétrer l'unité intérieure ou la télécommande.

- L'eau peut provoquer un choc électrique ou un incendie.

Ne laissez pas le climatiseur fonctionner si une porte ou une fenêtre sont ouvertes lorsque l'humidité est élevée. Cela pourrait entraîner une humidité excessive et des dégâts d'eau.

- L'excès d'humidité peut s'accumuler et entraîner des dégâts des eaux sur les murs ou les meubles.

En cas d'anomalies dans le fonctionnement du climatiseur, comme des bruits étranges, de la fumée ou du feu, coupez l'alimentation et contactez immédiatement le détaillant.

- Il existe un risque de blessures graves ou de décès.

Veillez à ce que personne ne puisse marcher ou tomber sur l'unité extérieure.

- Cela pourrait entraîner des blessures et des dommages matériels.

Arrêtez le fonctionnement et fermez toutes les fenêtres en cas de tempête ou d'ouragan. Si possible, retirez le produit de la fenêtre avant que l'ouragan n'arrive.

- Il existe un risque de dommages matériels, de défaillance du produit ou de choc électrique.

Si le produit est trempé (inondé ou submergé), contactez le revendeur agréé.

- Il existe un risque d'incendie ou de choc électrique.

N'utilisez pas le produit dans un espace hermétiquement fermé pendant une longue période.

- Cela entraînerait un manque d'oxygène.

Entretien

Les ailettes de l'échangeur de chaleur sont relativement tranchantes. Pour éviter toute blessure, portez des gants ou couvrez les ailettes lorsque vous travaillez autour d'elles.

Déchirez et jetez les sacs d'emballage en plastique pour que les enfants ne jouent pas avec.

- Les enfants jouant avec des sacs en plastique risquent de mourir par suffocation.

Jetez de façon sécuritaire les matériaux d'emballage. Comme les clous et autres pièces de métal ou de bois.

- Ces matériaux peuvent causer, entre autres, des blessures par perforation.

⚠ ATTENTION

Installation

En cas de fuites de gaz réfrigérant pendant l'installation, aérez immédiatement la zone.

- Une telle fuite peut être nocive pour votre santé.

Vérifiez toujours la présence de fuite de gaz (réfrigérant) après l'installation ou la réparation du produit.

- De faibles niveaux de gaz réfrigérant peuvent provoquer la défaillance du produit.

Maintenez le produit à niveau, même lors de l'installation.

- Cela aidera à éviter les vibrations ou les fuites d'eau.

Soyez toujours au moins deux personnes pour soulever et transporter le produit.

- Cela aidera à éviter les blessures.

Les travaux d'installation doivent être effectués conformément au Code national de l'électricité par du personnel qualifié et agréé.

Ne placez pas d'objets à proximité immédiate de l'unité extérieure. Ne laissez pas les feuilles et autres débris s'accumuler autour de l'appareil. Les feuilles sont un foyer pour les petits animaux, qui peuvent pénétrer dans l'appareil. Une fois à l'intérieur de l'appareil, ces animaux peuvent entraîner son mauvais fonctionnement, et une surchauffe ou un incendie quand ils entrent en contact avec les pièces électriques.

- Il existe un risque d'incendie ou de choc électrique.

N'installez pas le produit dans un endroit où il sera exposé directement au vent de la mer (brouillard salin).

- Cela peut provoquer une corrosion du produit. La corrosion, en particulier sur les ailettes du condenseur et de l'évaporateur, peut provoquer un dysfonctionnement du produit.

Assurez-vous que le tuyau d'évacuation est correctement installé pour évacuer l'eau. Disposez le tuyau de vidange pour assurer un drainage régulier.

- Un drainage incomplet peut conduire à des dégâts d'eau à l'immeuble, au mobilier, etc. Si l'eau n'arrive pas à s'évacuer de la gouttière pendant que le climatiseur ou la pompe à chaleur est en mode de refroidissement, il se peut que le tuyau d'évacuation soit bouché par de la poussière ou de la saleté, ce qui pourrait entraîner une fuite d'eau dans l'unité intérieure. Dans une telle situation, arrêtez le fonctionnement du climatiseur ou de la pompe à chaleur et contactez le détaillant.

N'installez pas l'appareil dans un endroit où le bruit ou l'air chaud de l'unité extérieure pourraient nuire à votre environnement immédiat.

- Un mauvais emplacement pourrait causer des problèmes à vos voisins.

La garantie limitée est nulle et sans effet, et LG n'assumera aucune responsabilité en vertu des présentes envers un client ou un tiers, dans la mesure où l'un ou l'autre des cas suivants se produit : actes, omissions et conduite de tout tiers, y compris, mais sans s'y limiter, à l'installateur et toute réparation, service ou entretien effectués par des personnes non autorisées ou non admissibles.

N'installez pas l'unité dans des atmosphères potentiellement explosives.

Utilisation

En cas de fuite de gaz réfrigérant pendant que l'appareil est en cours de réparation, ne touchez pas le gaz réfrigérant qui s'échappe.

- Le gaz réfrigérant peut provoquer des gelures (brûlure à froid).

N'ajoutez pas d'air ou de gaz autres que le gaz réfrigérant spécifié utilisé dans le système.

- L'air entrant dans le système réfrigérant peut conduire à une forte pression excessive causant des dommages matériels ou des blessures.

Assurez-vous qu'il n'y a pas d'obstacles à proximité de l'unité extérieure. La présence d'obstacles à proximité de l'unité extérieure peut réduire ses performances ou amplifier le son qu'elle produit.

- Cela pourrait causer une défaillance du produit.

N'utilisez le climatiseur à que pour refroidir ou chauffer une pièce afin d'y être confortable. N'utilisez pas cet appareil pour le refroidissement des instruments de précision, des aliments, des plantes, des animaux ou des œuvres d'art.

- Cela conduirait à un risque de dommage ou de perte de biens.

Remplacez toutes les piles de la télécommande par des piles neuves du même type. Ne mélangez pas des piles neuves et anciennes ni différents types de piles.

- Cela conduirait à un risque d'incendie ou d'explosion.

Ne rechargez pas et ne démontez pas les piles. Ne jetez pas les piles au feu.

- Elles peuvent brûler ou exploser.

Si le liquide des piles entre en contact avec votre peau ou vos vêtements, lavez-les à l'eau claire. N'utilisez pas la télécommande si les piles ont fui.

- Les produits chimiques des piles pourraient causer des brûlures ou d'autres dangers pour la santé.

Si vous ingérez le liquide des piles, brossez-vous les dents et consultez un médecin. N'utilisez pas la télécommande si les piles ont fui.

- Les produits chimiques des piles pourraient causer des brûlures ou d'autres dangers pour la santé.

Ne marchez pas et ne posez rien sur le produit. (unités extérieures)

- Cela conduirait à un risque de blessure et de défaillance du produit.

L'appareil n'a pas été conçu pour être utilisé par de jeunes enfants ou des personnes handicapées sans surveillance.

Ne laissez pas un enfant monter sur l'appareil ni y placer un objet. Ne laissez pas les enfants jouer sur l'appareil ou à proximité de ce dernier.

- Une chute peut entraîner des blessures. Si un enfant touche l'appareil négligemment, cela peut entraîner des blessures.

Ne buvez pas l'eau drainée du produit.

- Elle n'est pas potable et pourrait causer de graves problèmes de santé.

Entretien

Contactez le détaillant pour la réparation ou l'entretien.

N'essuyez pas le panneau de commande du contrôleur avec de la benzine, un diluant, des chiffons à poussière chimiques, etc. Le panneau pourrait se décolorer ou le revêtement pourrait se décoller. S'il est très sale, trempez un chiffon dans un détergent neutre dilué dans de l'eau, essorez-le bien et nettoyez le panneau. Puis essuyez-le avec un chiffon sec.

- Il existe un risque d'endommagement des pièces en plastique du produit.

Ne mettez pas les mains ni aucun autre objet dans l'entrée ou la sortie d'air lorsque le produit fonctionne.

- Il y a des pièces pointues et mobiles qui pourraient causer des blessures.

Utilisez un tabouret ou une échelle lors du nettoyage ou de l'entretien du produit.

- Soyez prudent et évitez les blessures.

Ne touchez pas les pièces métalliques du produit lors du retrait du filtre à air. Elles sont très tranchantes !

- Il existe un risque de blessure.

Ne buvez pas l'eau drainée du produit.

- Elle n'est pas potable et pourrait causer de graves problèmes de santé.

Ne faites pas fonctionner le climatiseur lorsque vous utilisez un insecticide fumigène ambiant.

- Cela pourrait entraîner un dépôt de produits chimiques dans l'unité, ce qui pourrait mettre en danger la santé des personnes hypersensibles aux produits chimiques.

Notes pour le guide de sécurité

Installation

Mettez toujours à terre le produit.

- Autrement, vous risquez de provoquer un choc électrique.

Pour l'installation du produit, contactez toujours le centre après-vente ou un service d'installation professionnel.

- Autrement, vous risquez de provoquer un incendie, un choc électrique, une explosion ou des blessures.

Fixez correctement le couvercle de protection des pièces électriques à l'unité intérieure et le panneau de service à l'unité extérieure.

- Si le couvercle de protection des pièces électriques de l'unité intérieure et le panneau de service de l'unité extérieure ne sont pas bien fixés, cela peut provoquer un incendie ou un choc électrique dus à la poussière, à l'eau, etc.

Installez toujours un interrupteur pour fuites d'air et un tableau électrique spécialisé.

- Ne pas le faire peut provoquer un incendie ou un choc électrique.

Ne rangez ni n'utilisez de gaz inflammable ni de combustibles près du climatiseur.

- Autrement, vous risquez de provoquer un incendie ou le mauvais fonctionnement de l'appareil.

Assurez-vous que le cadre d'installation de l'unité extérieure ne soit pas endommagé à cause d'une utilisation prolongée.

- Cela peut provoquer des blessures ou un accident.

Ne démontez ni ne réparez le produit en n'importe quel point.

- Cela peut provoquer un incendie ou un choc électrique.

N'installez pas le produit dans un endroit d'où il puisse tomber.

- Autrement, vous risquez de blesser quelqu'un.

Soyez prudent pendant le déballage et l'installation.

- Les bords aiguisés peuvent provoquer des blessures.

Utilisez une pompe à vide ou un gaz Inerte (azote) lorsque vous faites des essais de fuite ou la purge d'air. Ne compressez pas l'air ou l'oxygène et n'utilisez pas de gaz inflammable. Cela pourrait provoquer un incendie ou une explosion. Risque de décès, de blessure, d'incendie ou d'explosion.

Consultez votre revendeur pour savoir quoi faire en cas de fuite du réfrigérant.
Lorsque le climatiseur est installé dans une petite pièce, il est nécessaire de prendre les mesures appropriées afin que la quantité de réfrigérant en cas de fuite ne dépasse pas la limite de concentration. Autrement, il peut en découler un accident dû au manque d'oxygène.

Procédez à l'installation comme spécifié en prenant en compte le risque de séisme.
Si vous ne le faites pas pendant l'installation, l'unité risque de tomber et de provoquer des accidents.

Assurez-vous qu'un circuit d'alimentation distinct est fourni pour cette unité et que l'installation électrique est effectuée par un technicien qualifié conformément aux lois et réglementations locales, ainsi qu'au présent manuel d'installation. Une alimentation de capacité insuffisante ou une mauvaise installation électrique peuvent entraîner une décharge électrique ou un incendie.

Veillez à éteindre l'unité avant de toucher des pièces électriques.

Assurez-vous que l'intégralité du câblage est sécurisée, que les câbles spécifiés sont utilisés et que les bornes de raccordement et les câbles ne subissent aucune contrainte.

Si le gaz réfrigérant fuit pendant l'installation, ventilez immédiatement la pièce.
Du gaz toxique peut être produit si le gaz réfrigérant entre en contact avec une flamme.

Assurez-vous d'installer un conduit d'alimentation de l'unité et du site traitant l'air pour la circulation vers une seule pièce.

N'entreposez pas ou n'utilisez pas d'essence ou de produits inflammables à proximité de l'appareil.

- Il existe un risque d'incendie, d'explosion, de blessure ou de décès.

Ne pas utiliser d'autres moyens que ceux recommandés par le fabricant pour accélérer le processus de dégivrage ou pour le nettoyage.

L'appareil doit être stocké dans une pièce qui ne contient pas de sources d'infl ammation en fonctionnement continu (par exemple: des fl ammes nues, un appareil à gaz en marche ou un radiateur électrique allumé).

Ne pas percer ou brûler.

Soyez conscient que les réfrigérants peuvent être inodores.

Le fabricant peut fournir d'autres exemples appropriés ou des informations supplémentaires sur l'odeur du réfrigérant.

Les travaux de tuyauterie comprenant le matériel de tuyauterie, l'acheminement des tuyaux et l'installation doivent inclure la protection contre les dommages physiques en fonctionnement et en service, et être conformes aux normes et codes nationaux et locaux, tels que l'ASHRAE 15, l'ASHRAE 15.2, le code mécanique uniforme de l'IAPMO, le code international de la mécanique de l'ICC, ou la CSA B52. Tous les joints sur le terrain doivent être accessibles pour inspection avant d'être couverts ou enfermés.

La zone non ventilée où est installé l'appareil utilisant des réfrigérants inflammables doit être construite de manière à ce qu'en cas de fuite de réfrigérant, celui-ci ne stagne pas au point de créer un risque d'incendie ou d'explosion.

Les joints de réfrigérant fabriqués sur le terrain à l'intérieur doivent faire l'objet d'un essai d'étanchéité. La méthode d'essai doit avoir une sensibilité de 5 grammes par an de réfrigérant ou mieux, sous une pression d'au moins 0,25 fois la pression maximale admissible. Aucune fuite ne doit être détectée.

Si des appareils raccordés par un système de

conduits d'air à une ou plusieurs pièces contenant des RÉFRIGÉRANTS A2L sont installés dans une pièce d'une superficie inférieure à Amin, telle que déterminée dans la norme, cette pièce doit être dépourvue de flammes nues en fonctionnement continu (par exemple, un appareil à gaz en fonctionnement) ou d'autres SOURCES D'INFLAMMATION POTENTIELLES (par exemple, un chauffage électrique en fonctionnement, des surfaces chaudes). Un dispositif produisant des flammes peut être installé dans le même espace s'il est équipé d'un dispositif efficace de protection contre les flammes.

Après l'achèvement de la tuyauterie de terrain pour les systèmes divisés, la tuyauterie de terrain doit être soumise à un essai de pression avec un gaz inerte, puis à un essai de vide avant la charge de réfrigérant, conformément aux exigences suivantes

- La pression d'essai minimale pour le côté bas du système doit être la pression de calcul du côté bas et la pression d'essai minimale pour le côté haut du système doit être la pression de calcul du côté haut, sauf si le côté haut du système ne peut être isolé du côté bas du système, auquel cas l'ensemble du système doit être soumis à un essai de pression à la pression de calcul du côté bas.
- La pression d'essai après suppression de la source de pression doit être maintenue pendant au moins 1 h sans diminution de la pression indiquée par le manomètre d'essai, la résolution du manomètre d'essai ne dépassant pas 5 % de la pression d'essai.
- Pendant l'essai d'évacuation, après avoir atteint un niveau de vide spécifié dans le manuel ou inférieur, le système de réfrigération doit être isolé de la pompe à vide et la pression ne doit pas dépasser 1 500 microns en l'espace de 10 minutes. Le niveau de pression du vide doit être spécifié dans le manuel et correspondre à la valeur la plus faible entre 500 microns et la valeur requise pour la conformité aux codes et normes nationaux et locaux, qui peut varier en fonction des bâtiments résidentiels, commerciaux ou industriels.

Qualification des travailleurs

Le manuel doit contenir des informations spécifiques sur la qualification requise du personnel pour les opérations de maintenance, d'entretien et de réparation.Toute procédure de travail ayant une incidence sur les moyens de sécurité ne doit être exécutée que par une personne qualifiée par le fabricant.

Les exemples de telles procédures de travail sont les suivants :

- la pénétration dans le circuit frigorifique ;
- l'orifice de composants scellés ;
- l'orifice d'enceintes ventilées.

Le tube réfrigérant doit être protégé ou fermé pour éviter tout dommage.

Les connecteurs de réfrigérant flexibles (tels que les lignes de raccordement entre l'unité intérieure et extérieure) qui peuvent être déplacés pendant les opérations normales doivent être protégés des dommages mécaniques.

Un raccord brasé, soudé ou mécanique doit être fait avant d'ouvrir les vannes pour permettre au réfrigérant de circuler entre les pièces du système de réfrigération.

Garder les ouvertures de ventilation requises dégagées d'obstacles

Les connexions mécaniques (les raccords mécaniques ou les joints évasés) doivent être accessibles aux fins de maintenance.

Les éléments de tuyauterie flexibles doivent être protégés contre les dommages mécaniques, les contraintes excessives dues à la torsion ou à d'autres forces. Ils doivent être contrôlés chaque année pour vérifier qu'ils ne sont pas endommagés mécaniquement.

Les dispositifs de protection, les tuyauteries et les raccords doivent être protégés autant que possible contre les effets néfastes de l'environnement, par exemple le risque d'accumulation et de gel de l'eau dans les tuyaux de décharge ou l'accumulation de saletés et de débris.

Des précautions doivent être prises pour éviter que les tuyauteries frigorifiques ne subissent des vibrations ou des pulsations excessives.

Les tuyauteries des systèmes frigorifiques doivent être conçues et installées de manière à réduire au minimum la probabilité que les chocs hydrauliques endommagent le système.

Des dispositions doivent être prises pour permettre la dilatation et la contraction des longs tronçons de tuyauterie.

Les tuyaux et les composants en acier doivent être protégés contre la corrosion par un revêtement antirouille avant l'application de tout isolant.

Les conduits raccordés à un appareil ne doivent pas contenir de source d'inflammation potentielle

l'air soufflé et l'air repris doivent être directement acheminés vers l'espace.

Les zones ouvertes telles que les faux plafonds ne doivent pas être utilisées comme gaines de reprise d'air.

Seuls les dispositifs auxiliaires approuvés par le fabricant de l'appareil ou déclarés adaptés au réfrigérant doivent être installés dans les conduits de raccordement.

Les dispositifs auxiliaires susceptibles de constituer une source potentielle d'inflammation ne doivent pas être installés dans les conduits. Des exemples de telles sources potentielles d'inflammation sont les surfaces chaudes dont la température dépasse 700 °C et les dispositifs de commutation électrique.

Pour les appareils raccordés à des conduits, les faux plafonds ou les plafonds suspendus peuvent être utilisés comme plénum de reprise d'air si un SYSTÈME DE DÉTECTION DES REFRIGÉRANTS est installé dans l'appareil et si tous les raccordements externes sont également équipés d'un capteur immédiatement sous le joint du plénum de reprise d'air.

Câblage

L'électricité à haute tension est nécessaire pour faire fonctionner ce système. Fiez-vous aux normes de construction applicables : le National Electrical Code (NEC) aux États-Unis et au Mexique, le Code canadien de l'électricité (CE) au Canada et les présentes instructions lorsque vous faites le câblage.

- Des raccordements incorrects et une mise à la terre inadéquate peuvent causer des blessures accidentelles ou la mort.

Assurez-vous de toujours effectuer la mise à la terre de l'appareil conformément aux normes locales, régionales et nationales.

- Il y a risque d'incendie, d'électrocution, de blessure corporelle ou de mort.

Établissez convenablement le calibre de tous les disjoncteurs ou fusibles.

- Il y a risque d'incendie, d'électrocution, d'explosion, de blessure corporelle ou de mort.

Les informations contenues dans ce manuel sont destinées à être utilisées par un technicien qualifié qui connaît bien le NEC aux États-Unis et au Mexique ou le CE au Canada et qui possède les outils et les instruments de test adéquats.

- Le non-respect de l'une ou l'autre des instructions contenues dans ce manuel peut entraîner un dysfonctionnement de l'équipement, des dommages matériels, des blessures corporelles ou la mort.

Consulter les codes locaux, provinciaux et fédéraux et utiliser des câbles d'alimentation de capacité et de courant nominal suffisants.

- Des câbles trop petits peuvent générer de la chaleur et provoquer un incendie.

Toute installation de nature électrique doit être effectuée par un électricien certifié, conformément aux normes de construction locales; ou à défaut de normes locales, au NEC aux États-Unis et au Mexique ou au CE au Canada, et en suivant les instructions contenues dans ce manuel.

- Si la capacité de la source d'alimentation est insuffisante ou si les travaux d'électricité ne sont pas effectués correctement, il peut en résulter un incendie, une électrocution, des blessures corporelles ou la mort.

Sécurisez tous les raccordements extérieurs avec un réducteur de tension de câble approprié.

- La mauvaise fixation des câbles créera une tension excessive sur les fiches d'alimentation de l'équipement. Des raccordements inadéquats peuvent générer de la chaleur, causer un incendie et des blessures corporelles, voire la mort.

Serrez fermement toutes les fiches d'alimentation.

- Un câblage mal raccordé peut surchauffer aux points de raccordement et provoquer un incendie, des blessures corporelles ou la mort.

⃠ Ne modifiez pas les paramètres des dispositifs de protection.

- Si le pressostat, le thermocontact ou tout autre dispositif de protection est contourné ou forcé de fonctionner incorrectement, ou si des pièces autres que celles spécifiées par LG sont utilisées, il y a risque d'incendie, d'électrocution, d'explosion, de blessures corporelles ou de mort.

L'appareil doit être installé conformément aux réglementations de câblage nationales.

Les moyens de déconnexion doivent être incorporés dans lecâblage fixe conformément aux dispositions de câblage.

Si le cordon d'alimentation est endommagé, il doit être remplacé par le fabricant, son prestataire de service ou un technicien qualifié afin d'éviter tout danger.

REMARQUE

- ⃠ N'alimentez pas l'appareil avant d'avoir terminé le raccordement électrique, le raccordement des commandes, la tuyauterie, l'installation et l'évacuation du circuit frigorifique.

Fonctionnement

Débranchez l'unité si vous constatez la présence de bruits étranges, d'odeurs ou de fumée provenant de l'appareil.

- Autrement, vous risquez de provoquer un incendie ou un choc électrique.

Évitez le contact avec des flammes.

- Autrement, vous risquez de provoquer un incendie.

A l'occasion, débranchez la fiche d'alimentation, en la prenant par la tête, et ne la touchez pas avec les mains mouillées.

- Autrement, vous risquez de provoquer un incendie ou un choc électrique.

N'ouvrez pas l'ouverture d'aspiration de l'unité intérieure/extérieure en cours de fonctionnement.

- Autrement, vous risquez de provoquer un choc électrique ou un mauvais fonctionnement.

Ne permettez pas que de l'eau entre en contact avec les pièces électriques.

- Autrement, vous risquez de provoquer le mauvais fonctionnement de l'appareil ou un choc électrique.

Ne touchez jamais les pièces métalliques de l'unité lorsque vous retirez le filtre.

- Elles sont aiguisées et peuvent provoquer des blessures.

Ne montez sur l'appareil ni n'y placez aucun objet.

- Autrement, vous risquez de vous blesser en tombant de l'appareil.

Contactez le service après-vente si le produit est submergé dans l'eau.

- Autrement, vous risquez de causer un incendie ou un choc électrique.

Veillez à ce que les enfants ne montent pas sur l'unité extérieure.

- Autrement, ils risquent d'être sérieusement blessés en tombant.

L'appareil doit être stocké de manière à éviter tout dommage mécanique.

Cet appareil n'est pas destiné à être utilisé par des personnes (y compris des enfants) souffrant de déficience physique, sensorielle ou mentale, ou manquant d'expérience et de connaissances, à moins qu'elles ne soient accompagnées ou qu'elles aient reçu des instructions relatives à l'utilisation de l'appareil de la part d'une personne responsable de leur sécurité. Surveillez les enfants afin qu'ils ne jouent pas avec l'appareil.

Installation d'un SYSTÈME DE DÉTECTION DES FUITES. L'unité doit être alimentée sauf pour l'entretien. Cet appareil est équipé d'un détecteur de fuite de réfrigérant pour des raisons de sécurité. Pour être efficace, l'appareil doit être alimenté en électricité à tout moment après l'installation, sauf lors de l'entretien.

Service & Installation

Contrôles dans la région

Avant de commencer à travailler sur des systèmes contenant des réfrigérants inflammables, des contrôles de sécurité sont nécessaires pour s'assurer que le risque d'inflammation est minimisé. Pour la réparation du système de réfrigération, les précautions suivantes doivent être respectées avant d'effectuer des travaux sur le système.

Procédure de travail

Les travaux doivent être entrepris selon une procédure contrôlée afin de minimiser le risque de présence de gaz ou de vapeur inflammables pendant l'exécution des travaux.

Zone de travail générale

Tout le personnel de maintenance et les autres personnes travaillant dans la zone locale doivent être informés de la nature des travaux en cours. Les travaux dans des espaces confinés doivent être évités.

Vérification de la présence de réfrigérant

La zone doit être vérifiée avec un détecteur de réfrigérant approprié avant et pendant les travaux, pour s'assurer que le technicien est au courant des atmosphères potentiellement inflammables. Assurez-vous que l'équipement de détection des fuites utilisé est adapté à une utilisation avec des réfrigérants inflammables, c'est-à-dire sans étincelles, correctement scellés ou intrinsèquement sûrs.

Présence d'extincteur

Si des travaux à chaud doivent être effectués sur l'équipement de réfrigération ou sur toute pièce connexe, un équipement d'extinction d'incendie approprié doit être disponible à portée de main. Avoir un extincteur à poudre sèche ou à CO_2 adjacent à la zone de charge.

Aucune source d'inflammation

Aucune personne effectuant des travaux en relation avec un système de réfrigération qui implique d'exposer des tuyauteries utilisera des sources d'inflammation de manière à entraîner un risque d'incendie ou d'explosion.

Toutes les sources d'inflammation possibles, y compris le tabagisme, doivent être maintenues suffisamment éloignées du site d'installation, de réparation, de retrait et d'élimination, pendant lesquelles un réfrigérant peut éventuellement être libéré dans l'espace environnant. Avant de commencer les travaux, la zone autour de l'équipement doit être inspectée pour s'assurer qu'il n'y a pas de risques de matériaux inflammables ou de risques d'inflammation. Des panneaux « Interdiction de fumer » doivent être affichés.

Zone ventilée

Assurez-vous que la zone est à l'air libre ou bien ventilée avant de pénétrer dans le système ou d'effectuer des travaux à chaud. Une certaine ventilation doit se poursuivre pendant la durée des travaux. La ventilation doit disperser en toute sécurité tout réfrigérant libéré et, de préférence, l'expulser à l'extérieur dans l'atmosphère.

Contrôles de l'équipement de réfrigération

Lorsque des composants électriques sont modifiés, ils doivent être adaptés à l'usage prévu et aux spécifications correctes. En tout temps, les directives de maintenance et d'entretien du fabricant doivent être suivies. En cas de doute, consultez le service technique du fabricant pour obtenir de l'aide.
Les contrôles suivants doivent être appliqués aux installations utilisant des réfrigérants inflammables :

- La charge de réfrigérant réelle est en fonction de la taille de la pièce dans laquelle les pièces contenant du réfrigérant sont installées
- Les équipements et bouches de ventilation fonctionnent de manière adéquate et ne sont pas obstrués
- Si un circuit de réfrigération indirecte est utilisé, le circuit secondaire doit être vérifié pour la présence de réfrigérant
- Le marquage sur l'équipement continue d'être visible et lisible. Les marquages et signes illisibles doivent être corrigés
- Les tuyaux de réfrigération ou les composants sont installés dans une position où ils sont peu susceptibles d'être exposés à une substance qui peut corroder les composants contenant du réfrigérant, à moins que les composants ne soient constitués de matériaux qui sont intrinsèquement résistants à la corrosion ou sont protégés de manière appropriée contre la corrosion.

Contrôles des appareils électriques

La réparation et l'entretien des composants électriques doivent comprendre des vérifications de sécurité initiales et des procédures d'inspection des composants. S'il existe un défaut qui pourrait compromettre la sécurité, aucune alimentation électrique ne doit être connectée au circuit jusqu'à ce qu'il soit traité de manière satisfaisante. Si le défaut ne peut pas être corrigé immédiatement mais qu'il est nécessaire de continuer à fonctionner, une solution temporaire adéquate doit être utilisée. Cela doit être signalé au propriétaire de l'équipement afin que toutes les parties soient informées.

Les contrôles de sécurité initiaux doivent comprendre :

- Les condensateurs sont déchargés : cela doit être fait de manière sûre pour éviter la possibilité d'étincelles.
- Aucun composant électrique et câblage sous

tension ne sont exposés pendant la charge, la récupération ou la purge du système.
- Continuité de la liaison à la terre

Réparation de composants scellés

Les composants électriques scellés doivent être remplacés.

Réparation de composants à sécurité intrinsèque

Les composants à sécurité intrinsèque doivent être remplacés.

Câblage

Vérifiez que le câblage ne sera pas soumis à l'usure, à la corrosion, à une pression excessive, aux vibrations, aux arêtes vives ou à tout autre effet environnemental négatif. Le contrôle doit également prendre en compte les effets du vieillissement ou des vibrations continues provenant de sources telles que les compresseurs ou les ventilateurs.

Détection de réfrigérants inflammables

En aucun cas, les sources potentielles d'allumage ne peuvent être utilisées dans la recherche ou la détection des fuites de réfrigérant. Une torche aux halogénures (ou tout autre détecteur utilisant une flamme nue) ne doit pas être utilisée.

Méthodes de détection des fuites

Les méthodes de détection des fuites suivantes sont considérées comme acceptables pour tous les systèmes de réfrigération. Les détecteurs de fuites électroniques peuvent être utilisés pour détecter les fuites de réfrigérant mais, dans le cas des RÉFRIGÉRANTS INFLAMMABLES, la sensibilité peut ne pas être adéquate ou nécessiter un ré-étalonnage. (L'équipement de détection doit être étalonné dans une zone exempte de réfrigérant).

Assurez-vous que le détecteur n'est pas une source potentielle d'inflammation et qu'il est adapté au réfrigérant utilisé. L'équipement de détection des fuites doit être paramétré à un pourcentage de LII du réfrigérant et doit être étalonné sur le réfrigérant utilisé et le pourcentage approprié de gaz (25 %maximum) est confirmé. Les liquides de détection des fuites conviennent également à la plupart des réfrigérants, mais l'utilisation de détergents contenant du chlore doit être évitée car le chlore peut réagir avec le réfrigérant et corroder le tube de cuivre.

REMARQUE

- Voici quelques exemples de fluides de détection de fuites
  - Méthode des bulles
  - Agents de la méthode fluorescente

Si une fuite est suspectée, toutes les flammes nues doivent être éliminées / éteintes.

Si une fuite de réfrigérant est détectée et qu'elle nécessite un brasage, tout le réfrigérant doit être récupéré du système ou isolé (au moyen de vannes d'arrêt) dans une partie du système loin de la fuite. Le retrait du réfrigérant doit être effectué conformément à la procédure de retrait et d'évacuation.

Enlèvement et évacuation

Lors de la rupture du circuit de réfrigérant pour effectuer des réparations – ou à toute autre fin – des procédures conventionnelles doivent être utilisées. Cependant, pour les réfrigérants inflammables, il est important que les meilleures pratiques soient suivies, car l'inflammabilité est un facteur à prendre en considération.

La procédure suivante doit être respectée :
- Éliminez le réfrigérant en toute sécurité conformément aux réglementations locales et nationales ;
- Évacuez ;
- Purgez le circuit avec un gaz inerte (facultatif pour A2L) ;
- Évacuez (facultatif pour A2L) ;
- Rincez ou purgez continuellement avec un gaz inerte lors de l'utilisation d'une flamme pour ouvrir le circuit ; et
- Ouvrez le circuit.

La charge de réfrigérant doit être récupérée dans les bouteilles de récupération appropriées si la ventilation n'est pas autorisée par les codes locaux et nationaux. Pour les appareils contenant des réfrigérants inflammables, le système doit être purgé avec de l'azote exempt d'oxygène afin de rendre l'appareil sûr pour les réfrigérants inflammables. Ce processus pourrait être répété plusieurs fois. L'air comprimé ou l'oxygène ne doivent pas être utilisés pour purger les systèmes de réfrigération.

Pour les appareils contenant des réfrigérants inflammables, la purge des réfrigérants doit être réalisée en rompant le vide dans le système avec de l'azote exempt d'oxygène et en continuant à le remplir jusqu'à ce que la pression de service soit atteinte, puis en le ventilant dans l'atmosphère et enfin en le ramenant au vide (facultatif pour A2L). Ce processus doit être répété jusqu'à ce qu'il n'y ait plus de réfrigérant dans le système (facultatif pour A2L). Lorsque la charge d'azote exempt d'oxygène finale est utilisée, le système doit être ventilé jusqu'à la pression atmosphérique afin de permettre le travail. La sortie de la pompe à vide ne doit pas être proche de sources d'inflammation potentielles et une ventilation doit être disponible.

Procédures de facturation

En plus des procédures de charge conventionnelles, les exigences suivantes doivent être respectées.
- S'assurer qu'aucune contamination des différents réfrigérants ne se produit pas lors de l'utilisation d'un équipement de chargement. Les tuyaux ou les lignes doivent être aussi courts que possible pour minimiser la quantité de réfrigérant qu'ils contiennent.
- Les bouteilles doivent être maintenues dans une position appropriée, conformément aux instructions.
- Assurez-vous que le système de réfrigération est mis à la terre avant de charger le système avec du réfrigérant.
- Étiquetez le système lorsque la charge est terminée (si ce n'est déjà fait).
- Une attention particulière doit être accordée pour ne pas trop remplir le système de réfrigération.

Avant de recharger le système, il doit être testé sous pression avec le gaz de purge approprié.

Mise hors service

Avant d'effectuer cette procédure, il est essentiel que le technicien soit parfaitement familiarisé avec l'équipement et tous ses détails. Il est recommandé de bonnes pratiques que tous les réfrigérants soient récupérés en toute sécurité.

Avant la réalisation de la tâche, un échantillon d'huile et de réfrigérant doit être prélevé au cas où une analyse serait nécessaire avant la réutilisation du réfrigérant récupéré.

Il est essentiel que l'alimentation électrique soit disponible avant de commencer la tâche.

a) Se familiariser avec l'équipement et son fonctionnement.

b) Isoler le système électriquement.

c) Avant de tenter la procédure, assurez-vous que :

- Si nécessaire, un équipement de manutention mécanique est disponible pour la manipulation des bouteilles de réfrigérant
- Tout l'équipement de protection individuelle est disponible et utilisé correctement
- Le processus de récupération est supervisé à tout moment par une personne compétente
- L'équipement de récupération et les bouteilles sont conformes aux normes appropriées.

d) Pompez le système de réfrigérant, si possible.

e) Si un vide n'est pas possible, faites un collecteur de sorte que le réfrigérant puisse être retiré de diverses parties du système.

f) Assurez-vous que la bouteille est située sur la balance avant que la récupération n'ait lieu.

g) Démarrez la machine de récupération et utilisez-la conformément aux instructions.

h) Ne remplissez pas trop les bouteilles. (Pas plus de 80 % de volume de charge liquide).

i) Ne dépassez pas la pression de service maximale de la bouteille, même temporairement.

j) Une fois les bouteilles correctement remplies et le processus terminé, assurez-vous que les bouteilles et l'équipement sont retirés du site rapidement et que toutes les vannes d'isolement de l'équipement sont fermées.

k) Le réfrigérant récupéré ne doit pas être chargé dans un autre système de réfrigération à moins qu'il n'ait été nettoyé et vérifié.

Étiquetage

L'équipement doit être étiqueté indiquant qu'il a été mis hors service et vidé de réfrigérant.

L'étiquette doit être datée et signée. Assurez-vous qu'il y a des étiquettes sur l'équipement indiquant que l'équipement contient du réfrigérant inflammable.

Récupération

Lors du retrait du réfrigérant d'un système, que ce soit pour l'entretien ou la mise hors service, il est recommandé de suivre les bonnes pratiques pour que tous les réfrigérants soient retirés en toute sécurité. Lors du transfert de réfrigérant dans des bouteilles, assurez-vous que seuls des bouteilles de récupération de réfrigérant appropriés sont utilisées. Assurez-vous que le nombre correct de bouteilles pour supporter la charge totale du système est disponible. Toutes les bouteilles à utiliser sont désignées pour le réfrigérant récupéré et étiquetées pour ce réfrigérant (c'est-à-dire des bouteilles spéciales pour la récupération du réfrigérant).

Les bouteilles doivent être complètes avec soupape de surpression et soupapes d'arrêt associées en bon état de fonctionnement. Les bouteilles de récupération vides sont évacuées et, si possible, refroidies avant la récupération. L'équipement de récupération doit être en bon état de marche avec un ensemble d'instructions concernant l'équipement à portée de main et doit être adapté à la récupération de réfrigérant inflammable. En cas de doute, il convient de consulter le fabricant. En outre, un ensemble de balances étalonnées doit être disponible et en bon état de fonctionnement.

Les tuyaux doivent être complets avec des raccords de sectionnement sans fuite et en bon état. Le réfrigérant récupéré doit être traité conformément à la législation locale dans la bouteille de récupération appropriée et la note de transfert de déchets correspondante doit être arrangée.

Ne mélangez pas les réfrigérants dans les unités de récupération et surtout pas dans les bouteilles. Si des compresseurs ou des huiles de compresseur doivent être retirés, assurez-vous qu'ils ont été évacués à un niveau acceptable pour vous assurer que le réfrigérant inflammable ne reste pas dans le lubrifiant.

Le corps du compresseur ne doit pas être chauffé par une flamme nue ou d'autres sources d'inflammation pour accélérer ce processus. Lorsque l'huile est vidangée d'un système, elle doit être effectuée en toute sécurité.

⚠ MISE EN GARDE

Installation

Installez le raccord de drainage de manière à assurer un drainage convenable.

- Autrement, vous risquez de causer une fuite d'eau.

Installez le produit de sorte que vos voisins ne soient pas dérangés par le bruit ou par le vent chaud venant de l'unité extérieure.

- Autrement, vous risquez de susciter des querelles avec les voisins.

Après l'installation ou la réparation du produit, veillez toujours à vérifier qu'il n'y ait pas de fuite de gaz.

- Autrement, vous risquez de causer le mauvais fonctionnement de l'appareil.

Maintenez le niveau lors de l'installation du produit.

- Autrement, vous risquez de provoquer des vibrations ou une fuite d'eau.

N'installez pas l'unité dans des atmosphères potentiellement explosives.

L'installation des tuyauteries doit être réduite au minimum.

Toute personne impliquée dans un circuit de réfrigérant doit détenir un certificat actuel valide émis par une autorité d'évaluation accréditée par

l'industrie, reconnaissant sa compétence à manipuler les réfrigérants en toute sécurité conformément à une spécification d'évaluation reconnue par l'industrie.

Lorsque des connecteurs mécaniques sont réutilisés à l'intérieur, les pièces d'étanchéité doivent être renouvelées.

Lorsque les joints évasés sont réutilisés à l'intérieur, la partie évasée doit être refaite.

Fonctionnement

Évitez le refroidissement excessif et aérez parfois.

- Autrement, vous risquez de nuire à votre santé.

Utilisez un tissu doux pour nettoyer l'appareil. N'employez ni de cire, ni de diluant ni de détergent fort.

- Autrement, vous risquez de détériorer l'aspect de l'appareil, changer sa couleur ou provoquer des défauts sur sa surface.

N'utilisez pas le produit à des buts particuliers, tels que la préservation d'animaux, de plantes, de dispositifs de précision ou d'objets d'art, etc.

- Autrement, vous risquez d'endommager vos biens.

Ne placez pas d'obstacles autour de l'entrée ou de la sortie du flux d'air.

- Autrement, vous risquez de provoquer le mauvais fonctionnement de l'appareil ou un accident.

Cet appareil n'est pas destiné à refroidir l'ÉQUIPEMENT DE TECHNOLOGIE DE L'INFORMATION

Le service ne doit être effectué que comme recommandé par le fabricant de l'équipement. L'entretien et la réparation requérant l'assistance d'un autre personnel compétent doivent être effectués sous la supervision d'une personne compétente pour l'utilisation de réfrigérants inflammables.

Service

L'entretien ne doit être effectué que selon les recommandations du fabricant de l'équipement.

AVANT LA MISE EN SERVICE

Préparation pour le fonctionnement

1. Contactez un installateur spécialisé pour l'installation.
2. Utilisez un circuit dédié.

Utilisation

1. Une exposition au flux d'air direct pendant une longue période pourrait être dangereuse pour votre santé. N'exposez pas de façon directe les occupants, les animaux, les plantes à un flux d'air pendant de longues périodes.
2. En raison de la possibilité d'un manque d' oxygène, aérez la pièce lorsqu'elle est utilisée conjointement avec des poêles ou d'autres appareils de chauffage.
3. N'utilisez pas ce climatiseur à des fins particulières non spécifiques (par exemple pour la préservation des les appareils de précision, des aliments, des animaux, des plantes, et des objets d'art). Une telle utilisation pourrait endommager ces éléments.
4. Lors de l'utilisation de la télécommande, reportez-vous à son manuel d'utilisation.

Nettoyage et entretien

1. Ne touchez pas les pièces métalliques de l'appareil lors du retrait du filtre. Des blessures peuvent se produire lors de la manipulation des pièces à bords métalliques tranchants.
2. N'utilisez pas d'eau pour nettoyer l'intérieur du climatiseur. L'exposition à l'eau peut détruire l'isolation, conduisant à un éventuel choc électrique.
3. Lors du nettoyage de l'appareil, vérifiez d'abord que l'alimentation et le disjoncteur sont désactivés. Le ventilateur tourne à très haute vitesse lorsqu'il est en fonctionnement. Il existe une possibilité de blessure si l'alimentation de l'appareil est accidentellement déclenchée pendant le nettoyage des pièces internes de l'appareil.

Service

Pour les réparations et l'entretien, contactez votre fournisseur de service autorisé.

⚠ PRÉCAUTION

- Contactez un revendeur agréé pour la réparation ou l'entretien de cet appareil.
- Contactez un installateur spécialisé pour l'installation de cet appareil.
- Le climatiseur n'a pas été conçu pour être utilisé par de jeunes enfants ou des personnes handicapées sans surveillance.
- Les jeunes enfants doivent être surveillés pour éviter qu'ils jouent avec le climatiseur.
- Lorsque le cordon d'alimentation doit être remplacé, les travaux de remplacement doivent être effectués par le personnel autorisé en utilisant uniquement des pièces de rechange d'origine.
- Les travaux d'installation doivent être effectués conformément au Code national de l'électricité par du personnel qualifié et agréé.

LISEZ CE MANUEL

A l'intérieur, vous trouverez de nombreux conseils utiles sur la façon d'utiliser et d'entretenir correctement votre climatiseur. Quelques soins préventifs de votre part peuvent vous faire économiser beaucoup de temps et d'argent tout au long de la durée de vie de votre climatiseur.

Vous trouverez de nombreuses réponses à des problèmes fréquents dans le tableau des conseils de dépannage. Si vous consultez notre tableau détaillant les conseils de dépannage, vous pourriez ne pas avoir besoin d'appeler le service du tout.

POUR VOS DOSSIERS

Écrivez le modèle et le numéro de série ici.

Modèle	
N° de série	

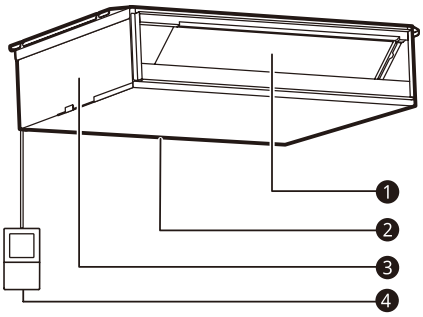
Vous pouvez les trouver sur une étiquette sur le côté de chaque appareil.

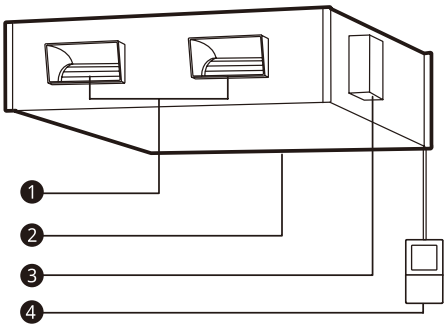
Nom du revendeur	
Date d'achat	

FONCTIONNEMENT

Pièces et fonctions

Appareil intérieur

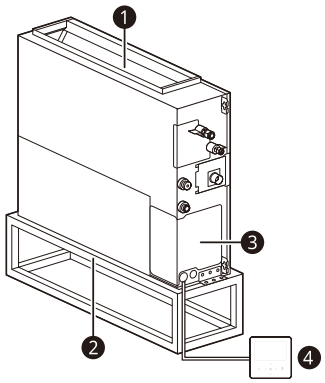




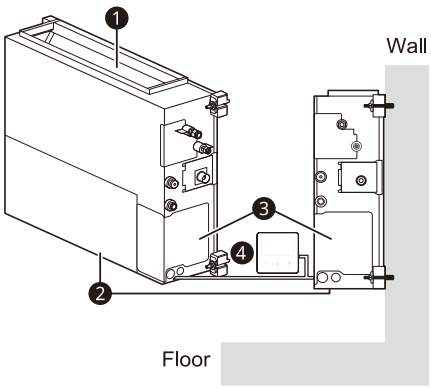
Uniquement châssis MA - Pièces pour l'installation verticale (Option)

Vous devez acheter les pièces optionnelles pour installer le produit verticalement.

Cas n°1 : Installation au sol



Cas n°2 : Installation au mur



❶ Sortie d'air

❷ Entrée d'air

❸ Boîtier de commandes

❹ Télécommande filaire (Accessoire)

REMARQUE

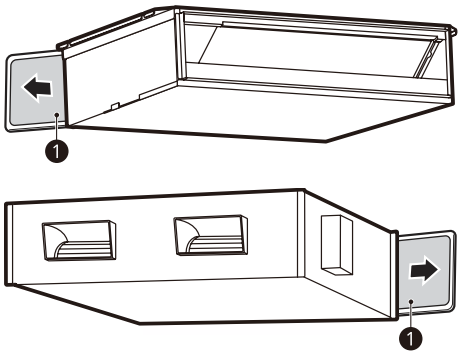
- Les caractéristiques peuvent varier en fonction du type de modèle
- N'utiliser que des fusibles à retardement. Vérifier les caractéristiques des fusibles à l'aide de l'étiquette de circuit apposée sur le couvercle de commande.

ENTRETIEN

Nettoyage du filtre à air

Les filtres à air derrière la grille frontale doivent être vérifiés et nettoyés toutes les 2 semaines ou plus souvent si nécessaire.

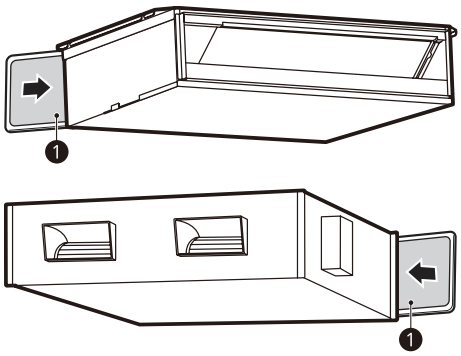
1 Enlever les filtres à air de l'unité intérieure.
- Prendre la languette et tirer légèrement vers l'avant pour retirer le filtre.



2 Nettoyez le filtre à air à l'aide d'un aspirateur ou en le lavant avec de l'eau.
- Le filtre à air est très sale ou encrassé, lavez avec un détergent neutre à l'eau tiède.

3 Après son lavage à l'eau, laissez le filtre sécher à l'ombre.

4 Remettez le filtre à air en place.



❶ Filtres à air

⚠ ATTENTION

- Coupez l'alimentation électrique avant de nettoyer l'unité intérieure.
- Lorsque vous nettoyez le filtre à air, ne jamais utiliser d'eau supérieure à 40 °C (104 °F). Cela peut provoquer une déformation ou une décoloration.
- Ne jamais utiliser de substances volatiles lorsque vous nettoyez les filtres. Cela peut endommager la surface du produit.
- Lorsque vous devez retirer le filtre à air, évitez de toucher les parties métalliques de l'unité intérieure. Vous pourriez vous blesser.

REMARQUE

- Éteignez l'appareil avant le nettoyage et essuyez avec un chiffon doux et sec. N'utilisez pas de javellisant ni de produits abrasifs.
- N'exposez pas le filtre à air aux rayons directs du soleil ou à la chaleur d'un feu pour le sécher.
- Les caractéristiques peuvent être sujètes à modifications en fonction du modèle utilisé.

Lorsque le climatiseur n’est pas utilisé pendant une longue période

1 Faites fonctionner le climatiseur avec les réglages suivants de 2 à 3 heures.
- Type de fonctionnement : Mode de fonctionnement ventilateur.
- Cela sèchera le mécanisme interne.

2 Éteignez le disjoncteur.

> **⚠ ATTENTION**
>
> - Éteignez le disjoncteur lorsque le climatiseur ne sera pas utilisé pendant une longue période.
>   – La saleté peut s'accumuler et provoquer un incendie.

REMARQUE

- La poussière et les impuretés accumulées dans le filtre à air peuvent bloquer la circulation de l’air ou diminuer les performances de l’appareil.

Lors d’une utilisation du climatiseur après une longue période d’arrêt

1 Nettoyez le filtre à air et installez-le dans l'unité intérieure.

2 Vérifiez que l'entrée et la sortie d'air de l'unité intérieure/extérieure ne sont pas bloquées.

3 Assurez-vous que le fil de terre est correctement connecté.
- Le fil de terre peut être relié au côté de l'unité intérieure.

Conseils d'utilisation

- Ne pas trop refroidir la pièce.
  – Le refroidissement est mauvais pour la santé et gaspille l'électricité.
- Gardez les stores ou rideaux fermés.
  – Ne laissez pas le soleil direct entrer dans la pièce lorsque le climatiseur est en marche.
- Assurez-vous que les portes et les fenêtres sont bien fermées.
  – Évitez d'ouvrir les portes et les fenêtres autant que possible pour garder l'air frais dans la pièce.
- Nettoyez le filtre à air régulièrement.
  – Les blocages dans le filtre à air réduisent le débit d'air et les effets de refroidissement et de déshumidification. Nettoyez-le au moins une fois toutes les deux semaines.
- Aérez la pièce de temps en temps.
  – Puisque les fenêtres restent fermées, il peut être bénéfique de les ouvrir et d'aérer la pièce de temps en temps.

DÉPANNAGE

Avant d'appeler le service technique.

Vérifiez les points suivants avant d’appeler l’entretien. Si le problème persiste, contactez un centre de réparation LG Electronics ou votre revendeur.

Symptômes	Causes possibles et solution
Le climatiseur ne fonctionne pas.	**Avez-vous mal réglé la minuterie?**
	Est-ce que le fusible ou le disjoncteur a sauté?
système de détection de fuite de réfrigérant R32 est activé.	**En cas de codes d’erreur tels que 228, 229 et 230, aérez la pièce et contactez immédiatement le personnel autorisé.**
	Si le code d’erreur est 236, la durée de vie du détecteur de fuites de réfrigérant est inférieure à 6 mois. Contactez immédiatement le personnel autorisé.
La pièce a une odeur particulière.	**Assurez-vous que ce n'est pas une odeur d'humidité provenant des murs, du tapis, des meubles ou des articles en tissu présents dans la pièce.**
Il semble que de l’eau dégoutte du climatiseur en raison de la condensation.	**La condensation se produit lorsque le flux d'air du climatiseur refroidit l'air chaud de la pièce.**
Le climatiseur ne fonctionne pas pendant environ 3 minutes après le redémarrage.	**Il s'agit d'un mécanisme de protection.**
	Attendez environ trois minutes et le climatiseur s’activera.
Ne refroidit pas ou ne chauffe pas efficacement.	**Le filtre à air est-il sale? Consultez les instructions de nettoyage du filtre à air.**
	La pièce peut avoir été très chaude lorsque le climatiseur a été allumé. Laissez-lui le temps de se refroidir.
	Les réglages de température sont-ils mal configurés?
	Les entrées ou sorties d’air de l’unité intérieure sont-elles obstruées?
Le fonctionnement du climatiseur est bruyant.	**S’il s’agit d’un bruit qui ressemble à de l'eau qui coule.** • C’est le son du fréon circulant à l'intérieur du climatiseur.
	S’il s’agit d’un bruit qui ressemble à de l’air comprimé se libérant dans l’atmosphère. • C’est le son de la déshumidification en cours de traitement à l’intérieur du climatiseur.
Un craquement se fait entendre.	**Ce bruit est généré par la dilatation/contraction de la grille d'entrée ou de tout autre composant, en raison des variations de température.**
L’écran de la télécommande est de faible luminosité, ou rien ne s’affiche sur l’écran.	**Les piles sont-elles déchargées?**
	Les piles sont-elles insérées dans le sens inverse (+) et (-)?

REMARQUE

- Le côté extérieur de cet appareil est ÉTANCHE. Le côté intérieur n’est pas résistant à l’eau et ne doit pas être exposé à un excès d’eau.

GARANTIE LIMITÉE (CANADA)

LES TERMES ET CONDITIONS COMPLÈTES DE LA GARANTIE LIMITÉE DU PRODUIT SE TROUVENT SUR HTTPS://WWW.LGHVAC.COM

AVIS D'ARBITRAGE: LA PRÉSENTE GARANTIE LIMITÉE CONTIENT UNE DISPOSITION RELATIVE À L'ARBITRAGE STIPULANT QUE VOUS ET LG DEVEZ RÉSOUDRE TOUT DIFFÉREND PAR ARBITRAGE PLUTÔT QUE DEVANT UN TRIBUNAL, À MOINS QUE LES LOIS DE VOTRE PROVINCE OU TERRITOIRE NE LE PERMETTENT PAS OU, DANS LE CAS D'AUTRES JURIDICTIONS, SI VOUS CHOISISSEZ DE VOUS RETIRER. PRÉCISONS QUE CETTE DISPOSITION D'ARBITRAGE N'EST PAS APPLICABLE AUX CLIENTS QUI RÉSIDENT EN ONTARIO. EN ARBITRAGE, LES RECOURS COLLECTIFS ET LES PROCÈS DEVANT JURY NE SONT PAS AUTORISÉS. VEUILLEZ CONSULTER LA SECTION INTITULÉE « PROCÉDURE DE RÈGLEMENT DES DIFFÉRENDS » CI-DESSOUS.

PROCÉDURE DE RÈGLEMENT DE DIFFÉREND:

SAUF LÀ OÙ LA LOI L'INTERDIT, TOUS LES DIFFÉRENDS ENTRE VOUS ET LG DÉCOULANT OU SE RAPPORTANT DE QUELQUE MANIÈRE QUE CE SOIT À CETTE GARANTIE LIMITÉE OU AU PRODUIT SERONT RÉSOLUS EXCLUSIVEMENT PAR ARBITRAGE EXÉCUTOIRE, ET NON DEVANT UN TRIBUNAL DE DROIT COMMUN. SAUF LÀ OÙ LA LOI L'INTERDIT, VOUS ET LG RENONCEZ IRRÉVOCABLEMENT AU DROIT À UN PROCÈS DEVANT JURY ET À INTENTER OU À PARTICIPER À UN RECOURS COLLECTIF. PRÉCISONS QUE CETTE DISPOSITION NE S'APPLIQUE PAS AUX CONSOMMATEURS QUI RÉSIDENT EN ONTARIO.

Définitions. Aux fins du présent article, « LG » désigne LG Electronics Canada inc., ses sociétés mères, filiales et sociétés affiliées, et leurs dirigeants, employés, administrateurs, agents, bénéficiaires, prédécesseurs titulaires des mêmes droits, successeurs, cessionnaires et fournisseurs; « différend » ou « réclamation » désignent tout différend ou litige ou toute réclamation de quelque nature que ce soit (qu'elle soit fondée sur un contrat, délit, statut, règlement, ordonnance, fraude, fausse déclaration ou toute autre théorie juridique ou équitable) liés de quelque manière que ce soit à la vente, à l'état ou au rendement du produit ou à la présente garantie limitée, ou découlant de ceux-ci.

Avis de différend. Dans l'éventualité où vous avez l'intention d'engager une procédure d'arbitrage, vous devez d'abord aviser LG par écrit au moins 30 jours avant le début de l'arbitrage en envoyant une lettre à l'attention de l'équipe juridique de LGECI au 20, Norelco Drive, North York (Ontario), Canada, M9L 2X6 (l'« avis de différend »). Vous et LG acceptez de discuter en toute bonne foi dans le but de régler votre réclamation à l'amiable. L'avis doit indiquer votre nom, adresse et numéro de téléphone, identifier le produit faisant l'objet de la réclamation et décrire la nature de la réclamation ainsi que le redressement demandé. Si vous et LG ne parvenez pas à résoudre le différend dans les 30 jours suivant la réception par LG de l'avis de différend, le différend sera résolu par un arbitrage exécutoire conformément à la procédure décrite dans les présentes. Vous et LG convenez tous deux que, pendant la procédure d'arbitrage, les modalités (y compris tout montant) de toute offre de règlement faite par vous ou LG ne seront pas divulguées à l'arbitre jusqu'à ce que l'arbitre tranche le différend.

Accord sur l'arbitrage exécutoire et renonciation à un recours collectif. À défaut de résoudre le différend au cours de la période de 30 jours suivant la réception par LG de l'avis de différend, vous et LG acceptez de résoudre toute réclamation entre vous et LG uniquement par arbitrage exécutoire sur une base individuelle, à moins que vous choisissiez de vous retirer, comme il est indiqué ci-dessous, ou que vous résidiez dans une province ou un territoire qui empêche la pleine application de cette clause dans les circonstances des réclamations en question (dans ce cas, si vous êtes un consommateur, cette clause ne s'appliquera que si vous acceptez expressément l'arbitrage). Dans la mesure permise par la loi applicable, tout différend entre vous et LG ne doit pas être combiné ou consolidé avec un différend impliquant le produit ou la réclamation de toute autre personne ou entité. Plus précisément, sans limitation de ce qui précède, sauf dans la mesure où une telle interdiction n'est pas permise par la loi, tout différend entre vous et LG ne pourra en aucun cas se poursuivre sous forme de recours collectif ou d'action dérivée. Au lieu de l'arbitrage, l'une ou l'autre des parties peut intenter une demande en justice auprès de la Cour des petites créances, mais cette demande auprès de la Cour des petites créances ne peut être intentée sous forme de recours collectif ou d'action dérivée, sauf dans la mesure où une telle interdiction n'est pas autorisée par la loi dans votre province ou territoire de compétence pour une réclamation en cause entre vous et LG. Cette disposition ne s'applique pas aux consommateurs de l'Ontario. Conformément à la législation provinciale, le consommateur et LG peuvent convenir de résoudre le litige en utilisant toute procédure disponible, y compris l'amorce d'une action devant la Cour supérieure de justice.

Règles et procédures d'arbitrage. Pour engager l'arbitrage d'une réclamation, une demande écrite d'arbitrage

doit être soumise par vous ou LG. L'arbitrage sera privé et confidentiel, et se déroulera sur une base simplifiée et accélérée devant un arbitre unique choisi par les parties en vertu de la loi et des règles provinciales ou territoriales sur l'arbitrage commercial de la province ou du territoire où vous résidez. Vous devez également envoyer une copie de votre demande écrite à LG à l'adresse LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20, Norelco Drive, North York (Ontario), M9L 2X6. Cette disposition relative à l'arbitrage est régie par la législation provinciale ou territoriale applicable en matière d'arbitrage commercial. Pour les consommateurs de l'Ontario, la législation applicable en matière d'arbitrage ne s'applique que si les consommateurs acceptent de soumettre le litige à l'arbitrage. Un jugement peut être rendu sur décision de l'arbitre devant tout tribunal compétent. Toute question doit être tranchée par l'arbitre, à l'exception des questions relatives à la portée et à l'applicabilité de la disposition relative à l'arbitrage et à l'arbitrabilité du différend, qui doivent être tranchées par la cour. L'arbitre est lié par les modalités de cette disposition.

Loi applicable. La loi de votre province ou territoire d'achat régira cette garantie limitée et tout différend entre vous et LG, sauf dans la mesure où cette loi est remplacée ou qu'elle entre en conflit avec la loi fédérale, provinciale ou territoriale applicable. Si l'arbitrage n'est pas autorisé pour régler une réclamation, une poursuite, un différend ou un litige vous opposant à LG, les deux parties s'en remettront à la compétence exclusive des tribunaux de votre province ou territoire d'achat pour le règlement de la réclamation, de la poursuite, du différend ou du litige qui vous oppose.

Coûts/frais. Vous n'avez pas besoin de payer des frais pour engager l'arbitrage. Dès réception de votre demande écrite d'arbitrage, LG réglera rapidement tous les frais de dépôt à l'arbitrage, à moins que vous réclamiez plus de 25 000 $ en dommages-intérêts, et dans ce cas, le paiement de ces frais sera régi par les règles d'arbitrage applicables. Sauf indication contraire aux présentes, LG paiera tous les frais de dépôt, d'administration et d'arbitrage pour tout arbitrage engagé conformément aux règles d'arbitrage applicables et de cette disposition relative à l'arbitrage. Si vous obtenez gain de cause dans l'arbitrage, LG paiera les frais et honoraires de vos avocats, dans la mesure où ils sont raisonnables, en tenant compte de certains facteurs, y compris, mais sans s'y limiter, le montant de l'achat et de la réclamation. Nonobstant ce qui précède, si la loi applicable permet d'accorder une indemnité raisonnable de frais et d'honoraires d'avocats, l'arbitre peut l'accorder dans la même mesure qu'un tribunal. Si l'arbitre estime que votre réclamation ou que la mesure réparatoire demandée dans la réclamation est frivole ou qu'elle se base sur des motifs déplacés (déterminés par les normes énoncées dans les lois applicables), alors le paiement de tous les frais d'arbitrage sera régi par les règles d'arbitrage applicables. Dans un tel cas, vous convenez de rembourser LG pour toutes les sommes déjà versées par l'entreprise, sommes que vous seriez autrement dans l'obligation de payer en vertu des règles d'arbitrage applicables. Sauf indication contraire, LG renonce à tous les droits qu'elle pourrait avoir relativement à la réclamation de frais et honoraires d'avocats si LG prévaut lors de l'arbitrage.

Audiences et emplacement. Si votre réclamation est de 25 000 $ ou moins, vous pouvez choisir que l'arbitrage soit mené seulement (1) sur la base des documents soumis à l'arbitre, (2) par l'intermédiaire d'une audience téléphonique, ou (3) par l'intermédiaire d'une audience en personne, tel qu'il est établi par les règles d'arbitrage applicables. Si votre réclamation est supérieure à 25 000 $, le droit à une audience sera déterminé par les règles d'arbitrage applicables. Toute audience d'arbitrage en personne se tiendra au lieu d'arbitrage le plus proche et le plus pratique pour les deux parties, dans la province ou le territoire où vous résidez, à moins que vous et LG conveniez d'un autre lieu ou d'un arbitrage téléphonique.

Divisibilité et renonciation. Si une partie de la présente garantie limitée (y compris les présentes procédures d'arbitrage) est inapplicable, les autres dispositions resteront pleinement en vigueur dans la mesure maximale autorisée par la loi applicable. Si LG ne parvient pas à faire respecter strictement toute disposition de la présente garantie limitée (y compris les présentes procédures d'arbitrage), cela ne signifie pas que LG a l'intention de renoncer ou a renoncé à toute disposition ou partie de la présente garantie limitée.

Option de retrait. La disposition d'arbitrage stipule que vous et LG devez résoudre tout différend par arbitrage exécutoire plutôt que devant un tribunal, à moins que les lois de votre province ou territoire ne le permettent pas, ou, dans le cas d'autres systèmes juridiques, si vous choisissez de vous retirer. Cette disposition d'arbitrage ne s'applique pas aux consommateurs de l'Ontario.

Pour les personnes qui relèvent des dispositions relatives à l'arbitrage obligatoire, vous pouvez choisir de vous retirer de la présente procédure de résolution des différends. Si vous choisissez de vous retirer, ni vous ni LG ne pouvez obliger l'autre partie à participer à une procédure d'arbitrage. Pour vous retirer, vous devez envoyer un avis à LG dans les 30 jours civils à compter de la date d'achat du produit par le premier acheteur (i) en envoyant un courriel à optout@lge.com avec pour objet : « Retrait de l'arbitrage » ou (ii) en composant le 1 800 980-2973. Vous devez indiquer dans le courriel de retrait ou fournir par téléphone : (a) votre nom et adresse; (b) la date à laquelle le produit a été acheté; (c) le nom de modèle du produit ou le numéro de modèle; et (d) le numéro de série (le numéro de série se trouve (i) sur le produit ou (ii) en ligne en vous rendant au https://www.lg.com/ca_fr trouvermodele_serie/).

Si vous vous prévalez de l'option de retrait, la loi de votre province ou territoire de résidence régira cette garantie limitée et tout litige entre vous et LG, sauf dans la mesure où cette loi est remplacée ou qu'elle entre en conflit avec la loi fédérale, provinciale ou territoriale applicable. Si l'arbitrage n'est pas autorisé pour régler une réclamation, une poursuite, un différend ou un litige vous opposant à LG, les deux parties acceptent de s'en remettre à la compétence exclusive des tribunaux de votre province ou territoire de résidence pour le règlement de la réclamation, de la poursuite, du différend ou du litige qui vous oppose.

Vous pouvez uniquement vous retirer de la procédure de résolution des différends de la manière décrite ci-dessus (c'est-à-dire par courriel ou par téléphone); aucune autre forme d'avis ne sera valable pour vous retirer de la procédure de résolution des différends. Le retrait de cette procédure de résolution des différends n'aura aucune incidence sur la couverture de la garantie limitée, et vous continuerez de profiter de tous les avantages de cette dernière. Si vous conservez ce produit et ne vous retirez pas de la procédure, vous acceptez toutes les conditions de la disposition relative à l'arbitrage décrites ci-dessus.

Conflit de modalités. En cas de conflit ou d'incompatibilité entre les modalités de la présente garantie limitée et du contrat de licence d'utilisateur final (« CLUF ») en ce qui concerne le règlement des différends, les modalités de la présente garantie limitée contrôlent et régissent les droits et obligations des parties et ont préséance sur le CLUF.

MANUAL DEL PROPIETARIO

AIRE ACONDICIONADO



Lea este manual del propietario detenidamente antes de utilizar el dispositivo, y consérvelo para consultarlo en un futuro.

TIPO: conductos

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INSTRUCCIONES DE SEGURIDAD

LEA TODAS LAS INSTRUCCIONES ANTES DE UTILIZAR EL DISPOSITIVO





Este símbolo indica que este electrodoméstico utiliza un refrigerante inflamable. Existe riesgo de incendio si el refrigerante tiene fugas y queda expuesto a una fuente de ignición exterior.



Este símbolo denota la necesidad de leer atentamente el Manual del propietario.



Este símbolo indica que este equipo sólo debe ser manipulado por personal de servicio que esté familiarizado con el Manual de instalación.



Este símbolo indica que el Manual del propietario o el Manual de instalación contienen la información solicitada.

ESPAÑOL

Su seguridad y la seguridad de los demás es muy importante.

En este manual y en el dispositivo hemos incluido numerosos mensajes de seguridad importantes. Lea y respete todos los mensajes de seguridad en todo momento.



Este es el símbolo de alerta de seguridad.

Este símbolo le avisa de riesgos potenciales que pueden provocar tanto su muerte como la de otras personas.

Todos los mensajes de seguridad seguirán el símbolo de alerta de seguridad y presentarán la palabra ADVERTENCIA o PRECAUCIÓN.

ADVERTENCIA

No seguir estas instrucciones podría provocar fallecimientos o lesiones graves.

PRECAUCIÓN

No seguir estas instrucciones podría provocar lesiones leves o moderadas, o daños en el producto.

Los mensajes de seguridad le indican dónde hay riesgos potenciales, le explican cómo puede reducir el riesgo de lesión y mencionan qué podría ocurrir si no se siguen las instrucciones.

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

⚠ ADVERTENCIA

Con el fin de reducir el riesgo de explosiones, incendios, fallecimientos, descargas eléctricas, lesiones físicas o quemaduras en las personas, siga las precauciones básicas indicadas a continuación:

- La instalación o las reparaciones realizadas por personas no autorizadas pueden suponer un riesgo tanto para usted como para otras personas.
- La instalación DEBE respetar los códigos de edificación local o, en caso de no haber códigos locales, el Código Eléctrico Nacional NFPA 70/ANSI C1-1003 o la versión actual, y la sección 1 del Código Eléctrico de Canadá CSA C22. 1.
- La información que contiene este manual está pensada para que la utilice un técnico de servicio cualificado que esté familiarizado con los procedimientos de seguridad y que cuente con las herramientas y los instrumentos de prueba adecuados.
- No leer y seguir las instrucciones de este manual puede provocar fallos de funcionamiento en el equipo, daños en los bienes inmuebles, lesiones personales o la muerte.
- Cuando sea necesario cambiar el cable de alimentación, el trabajo de sustitución deberá realizarlo personal autorizado utilizando únicamente piezas de repuesto originales.
- Este electrodoméstico no es accesible al público en general. Este dispositivo no está diseñado para que lo utilicen personas (incluidos niños) con capacidades físicas, sensoriales o psíquicas reducidas, o que carezcan de experiencia y conocimiento, a menos que lo hagan bajo supervisión o hayan recibido instrucciones sobre el uso del dispositivo por parte de una persona responsable de su seguridad. Se debe supervisar a los niños para asegurarse de que no juegan con el dispositivo.

Instrucciones de seguridad importantes

⚠ ADVERTENCIA

Instalación

Póngase en contacto con su distribuidor para solicitar la instalación del acondicionador de aire.
- Si realiza usted mismo la instalación de forma incompleta, podrían producirse fugas de agua, descargas eléctricas e incendios.

Revise la base del dispositivo de forma continua, especialmente si se ha utilizado durante un periodo de tiempo prolongado.
- Puede provocar daños lesiones físicas o daños en la unidad o en otros bienes.

Póngase en contacto con su distribuidor para solicitar reparaciones, mantenimientos y reinstalaciones del acondicionador de aire.
- Si realiza usted mismo la instalación de forma incompleta, podrían producirse fugas de agua, descargas eléctricas e incendios.

Asegúrese de utilizar únicamente accesorios fabricados por LG específicamente diseñados para utilizarlos con el dispositivo, y solicite su instalación a un profesional.
- Una instalación o un acople inadecuados del dispositivo o de los accesorios pueden provocar descargas eléctricas, cortocircuitos, fugas, incendios y otros daños en el equipo.

En caso de producirse una fuga de refrigerante, póngase en contacto con su distribuidor. Al instalar el acondicionador de aire en una habitación pequeña se deben tomar las medidas adecuadas para que, si se produce una fuga, la cantidad de refrigerante que se fugue no supere el límite de concentración. Si la fuga de refrigerante supera el límite del nivel de concentración, podría producirse un accidente relacionado con una deficiencia de oxígeno.
- Existe el riesgo de asfixia, lo que podría provocar lesiones físicas graves o incluso la muerte.

No instale la unidad en una zona en la que haya materiales inflamables.
- Existe el riesgo de explosiones que podrían provocar lesiones físicas graves o incluso la muerte.

Utilice una bomba de vacío o inserte gas (nitrógeno) cuando realice una prueba de fugas o una depuración de aire. No permita que el aire y otras sustancias entren en el circuito del refrigerante (tuberías). No utilice nunca refrigerantes no especificados en la etiqueta de especificación y en los manuales.
- Existe riesgo de muerte, lesiones físicas, incendios o explosiones.

Para la instalación de la Caja del filtro UVnano (un sistema no integral de lámparas UV montadas en conductos aprobado por LG Electronics), consulte siempre al centro de servicio técnico o a una agencia de instalación profesional.
- De lo contrario, puede provocar una exposición a la radiación ultravioleta (UV) en los ojos y la piel, descargas eléctricas o lesiones.”

No instale unidades interiores en lavanderías.

Alimentación

Nunca intente realizar los trabajos eléctricos o de conexión a tierra usted mismo, a menos que cuente con la cualificación necesaria para ello. Solicite los trabajos eléctricos o de conexión a tierra a su distribuidor.
- Existen riesgos.

No modifique ni prolongue el cable de alimentación.
- Existe el riesgo de incendios o descargas eléctricas.

Asegúrese de conectar el dispositivo a tierra.
- Existe el riesgo de incendios o descargas eléctricas.

Asegúrese de instalar un disyuntor de derivación a tierra.
- Existe el riesgo de incendios o descargas eléctricas.

Instale siempre un circuito y un disyuntor dedicados.
- Un cableado o una instalación incorrectos pueden provocar incendios o descargas eléctricas.

No encienda el disyuntor ni la alimentación si el panel frontal, la carcasa, la cubierta superior o la cubierta de la caja de controles se han desmontado o abierto.
- De lo contrario se pueden producir incendios, descargas eléctricas, explosiones o incluso la muerte.

No utilice un disyuntor defectuoso o que tenga una capacidad insuficiente. Utilice este dispositivo en un circuito dedicado.
- Existe el riesgo de incendios o descargas eléctricas.

Para las tareas de limpieza o mantenimiento, póngase en contacto con la empresa encargada de la instalación del dispositivo. Apague la alimentación eléctrica antes de realizar tareas de limpieza o mantenimiento.
- Existe el riesgo de fugas de agua, descargas eléctricas o lesiones físicas graves.

Tome la precaución de que el cable de alimentación no pueda sufrir tirones o daños durante el funcionamiento del dispositivo.
- Existe el riesgo de incendios o descargas eléctricas.

No coloque ningún objeto sobre el cable de alimentación.
- Existe el riesgo de incendios o descargas eléctricas.

No apague el dispositivo inmediatamente después de que deje de funcionar. Espere siempre cinco minutos antes de apagar el dispositivo.
- De lo contrario podrían producirse fugas de agua.

Las conexiones de cableado interiores y exteriores se deben conectar con firmeza, y el cable se debe colocar de forma que no esté sometido a tensión de los terminales de conexión.
- Unas conexiones inadecuadas o sueltas pueden provocar la generación de calor o incendios.

No toque (controle) el producto con las manos mojadas.
- Existe el riesgo de descargas eléctricas.

Si se instala el producto en posición vertical, se debe instalar una bandeja de goteo vertical (kit de accesorio).
- De lo contrario, se producirá una fuga de agua de desagüe y podría causar daños peligrosos.

Funcionamiento

Asegúrese de utilizar únicamente las piezas indicadas en la lista de piezas SVC. No intente modificar el dispositivo bajo ningún concepto.
- El uso de piezas inadecuadas puede provocar descargas eléctricas o incendios.

No instale el acondicionador de aire en ningún punto en el que puedan producirse fugas de gas inflamable. Si se produce una fuga de gas y el gas permanece en las proximidades del acondicionador de aire, se podría producir un incendio.
- Existe riesgo de explosiones, incendios y lesiones graves.

Nunca utilice esprays inflamables, como esprays de pelo, laca o pintura, debajo de la unidad.
- Los esprays inflamables pueden provocar un incendio.

Si se utilizan dispositivos con quemadores en la misma habitación que el acondicionador de aire, existe el riesgo de que se produzca una deficiencia de oxígeno que podría derivar en asfixia. Asegúrese de que la habitación esté lo suficientemente ventilada para evitar este riesgo.
- Existe riesgo de una lesión grave o fallecimiento.

No coloque los dedos ni ningún otro objeto en la entrada ni en la salida de aire. Nunca extraiga la protección del ventilador de la unidad.
- El ventilador gira a alta velocidad y puede provocar lesiones físicas.

Nunca rocíe ni vierta agua ni líquidos sobre la unidad.
- Hacerlo puede provocar incendios, fallos del producto o descargas eléctricas.

No permita nunca que la unidad interior o el mando a distancia se mojen.
- El agua puede provocar una descarga eléctrica o un incendio.

No deje que el acondicionador de aire funcione con las puertas o ventanas abiertas un día de mucha humedad. Esto podría provocar un exceso de humedad y daños por agua.
- El exceso de humedad se puede acumular y provocar daños por agua en las paredes o los muebles.

Si se producen anomalías en el funcionamiento del acondicionador de aire, como sonidos extraños, humos o incendios, apague el dispositivo y póngase en contacto inmediatamente con su distribuidor.
- Existe riesgo de una lesión grave o fallecimiento.

Tome las medidas necesarias para asegurarse de que nadie pueda subirse sobre la unidad exterior o caer sobre ella.
- Esto podría provocar lesiones personales y daños en el producto.

En caso de tormenta o huracán, detenga la unidad y cierre todas las ventanas. Si es posible, quite el producto de la ventana antes de la llegada del huracán.
- Existe el riesgo de daños en los bienes inmuebles, fallos del producto o descargas eléctricas.

Si el producto se empapa (se sumerge o se inunda de agua), póngase en contacto con su distribuidor.
- Existe el riesgo de incendios o descargas eléctricas.

No utilice el producto en un espacio muy cerrado durante un periodo de tiempo prolongado.
- Hacerlo podría provocar una deficiencia de oxígeno.

Mantenimiento

Las aletas del intercambiador de calor son bordes finos que pueden cortar. Para evitar lesiones físicas, lleve guantes o cubra las aletas mientras trabaje alrededor de ellas.

Quite y tire las bolsas de embalaje de plástico para que los niños no jueguen con ellas.
- Si los niños juegan con las bolsas de plástico, podrían morir asfixiados.

Deshágase de los materiales de embalaje de forma segura. Los materiales de embalaje como, por ejemplo, los clavos y otras piezas de metal o madera,
- pueden provocar heridas por punción y otras lesiones.

⚠ PRECAUCIÓN

Instalación

Si el gas refrigerante se fuga durante la instalación, ventile la zona de inmediato.
- Una fuga de este tipo puede resultar perjudicial para su salud.

Compruebe siempre si hay fugas de gas (refrigerante) tras la instalación o la reparación del producto.
- Un nivel de refrigerante bajo puede provocar fallos en el producto.

Mantenga el producto nivelado hasta cuando lo instale.
- Esto contribuirá a evitar vibraciones o fugas de agua.

El producto debe ser levantado y transportado por dos o más personas.
- Esto ayudará a evitar lesiones personales.

Las labores de instalación se deben realizar según el Código Eléctrico Nacional y por parte solo de personal cualificado y autorizado.
No coloque objetos directamente junto a la unidad exterior. No deje que hojas y otros restos se acumulen alrededor de la unidad. Las hojas son el ecosistema perfecto para animales pequeños que pueden acceder a la unidad. Si acceden a la unidad, los animales pueden provocar fallos de funcionamiento en la unidad y provocar humo o incendios cuando entran en contacto con las piezas eléctricas.
- Existe el riesgo de incendios o descargas eléctricas.

No instale el producto donde vaya a verse expuesto directamente a la brisa marina (niebla salina).
- Esto puede provocar la corrosión del producto. La corrosión, especialmente en las aletas del condensador y del evaporador, puede provocar fallos de funcionamiento del producto o un funcionamiento poco eficiente.

Asegúrese de que el tubo de drenaje esté correctamente instalado para drenar el agua. Coloque el tubo de drenaje de forma que se garantice un drenaje correcto.
- Un drenaje incompleto puede provocar daños por agua en el edificio, los muebles. etc. Si no se descarga agua desde el tubo de drenaje mientras el acondicionador de aire o la bomba de calor están en el modo de refrigeración, el tubo de drenaje podría haberse obstruido por el polvo o la suciedad, y ocasionar una fuga de agua en la unidad interior. En caso de darse una situación de este tipo, detenga el acondicionador de aire o la bomba de calor y póngase en contacto con su distribuidor.

No instale el producto en lugares en los que el ruido o el aire caliente procedente de la unidad exterior pudieran resultar perjudiciales para el entorno inmediato.
- Una colocación incorrecta puede provocar problemas a sus vecinos.

La Garantía limitada quedará anulada y sin efecto, y LG no tendrá responsabilidad alguna ante ningún Cliente o tercero si se dan las siguientes situaciones: actos, omisiones y comportamientos de todos los terceros, incluyendo, a título enunciativo pero no limitativo, el contratista instalador y las reparaciones, las labores de servicio o mantenimiento por personas no autorizadas o no cualificadas.

No instale la unidad en atmósferas potencialmente explosivas.

Funcionamiento

Si el gas refrigerante se fuga mientras se repara la unidad, no toque el gas refrigerante que se ha fugado.
- El gas refrigerante puede provocar quemaduras por frío.

No mezcle aire o gases que no sean el gas refrigerante específico utilizado en el sistema.
- La entrada de aire en el sistema refrigerante puede provocar una presión excesivamente alta y causar daños en el equipo o lesiones físicas.

Asegúrese de que no haya obstáculos en las proximidades de la unidad exterior. La presencia de obstáculos en las proximidades de la unidad exterior podría reducir el rendimiento de la unidad exterior o aumentar el ruido de funcionamiento.
- Esto puede provocar fallos en el producto.

No utilice el acondicionador de aire con ningún otro fin que no sea la refrigeración o la calefacción para su comodidad. No utilice la unidad para la refrigeración de instrumentos de precisión, alimentos, plantas, animales ni obras de arte.
- De lo contrario, se pueden producir riesgos de daños o pérdidas de la propiedad.

Cambie todas las pilas del mando a distancia por pilas nuevas del mismo tipo. No mezcle pilas antiguas y nuevas ni de tipos diferentes al mismo tiempo.
- Hacerlo puede provocar riesgo de incendios o explosiones.

No recargue ni desmonte las pilas. No arroje las pilas al fuego,
- ya que pueden explotar.

Si el líquido de las pilas entra en contacto con su piel o ropa, lávelo con agua corriente. No utilice el mando a distancia si las pilas presentan fugas.
- Los productos químicos de las pilas pueden provocar quemaduras u otros riesgos para la salud.

Si ingiere el líquido de las pilas, lávese los dientes y acuda al médico. No utilice el mando a distancia si las pilas presentan fugas.
- Los productos químicos de las pilas pueden provocar quemaduras u otros riesgos para la salud.

No se suba sobre el producto ni coloque nada encima de él (unidades exteriores).
- Hacerlo podría provocar riesgo de lesión física personal y fallos en el producto.

Este dispositivo no está diseñado para que lo utilicen niños o personas enfermas sin supervisión.
No deje que un niño se suba a la unidad o coloque objetos sobre ella. No deje que los niños jueguen sobre la unidad o alrededor de ella.
- Las caídas o desplazamientos pueden provocar lesiones físicas. Si un niño toca la unidad de forma descuidada, se pueden producir lesiones físicas.

No beba el agua que se drena del producto.
- No es potable y puede provocar problemas graves para la salud.

Mantenimiento

Póngase en contacto con su distribuidor para la reparación o el mantenimiento.
No limpie el panel de funcionamiento del mando a distancia con benceno, disolvente, paños con polvo químico, etc. El panel podría decolorarse y el revestimiento desprenderse. Si está muy sucio, sumerja un paño en detergente neutro diluido en agua, escúrralo y limpie el panel. A continuación, séquelo con otro paño seco.
- Existe riesgo de daños para las piezas de plástico del producto.

No introduzca las manos ni otros objetos a través de la entrada o la salida de aire mientras el producto está en funcionamiento.
- Existen piezas afiladas y en movimiento que pueden provocar lesiones personales.

Utilice un taburete o una escalera firmes cuando limpie o realice tareas de mantenimiento en el producto.
- Tenga cuidado y evite lesiones personales.

No toque las piezas metálicas del producto al desmontar el filtro. Están muy afiladas.
- Existe riesgo de una lesión personal.

No beba el agua que se drena del producto.
- No es potable y puede provocar problemas graves para la salud.

No ponga en marcha el acondicionador de aire cuando utilice un insecticida para fumigación.
- De lo contrario, los productos químicos podrían depositarse en la unidad, lo que podría suponer un riesgo para la salud de las personas hipersensibles a los productos químicos.

Notas de guía de seguridad

Instalación

Realice siempre la conexión de la toma de tierra.
- Si no lo hace, podría producirse una descarga eléctrica.

Para la instalación del producto, póngase siempre en contacto con el centro de servicio técnico o con una empresa de instalaciones especializada.
- De lo contrario, podría producirse un incendio, descarga eléctrica, explosión o daños.

Ajuste firmemente la cubierta de la parte eléctrica en la unidad interior y el panel de servicio en la unidad exterior.
- Si la cubierta de la parte eléctrica de la unidad interior y el panel de servicio de la unidad exterior no están ajustados firmemente, podría producirse un incendio o descarga eléctrica debido al polvo, agua, etc.

Instale siempre un interruptor diferencial para el aire acondicionado y el cuadro de maniobra correspondiente.
- Si no lo instala, podría producirse un incendio y una descarga eléctrica.

No almacene ni utilice gases inflamables o combustibles cerca del aire acondicionado.
- De lo contrario, podría producirse un incendio o una avería del aparato.

Asegúrese de que el bastidor de instalación de la unidad exterior no está dañado debido a un uso prolongado.
- Podría producir daños o un accidente.

No desmonte ni modifique los productos sin causa justificada.
- Podría producirse un incendio o una descarga eléctrica.

No instale el aparato en un lugar donde pueda caerse.
- De lo contrario, podrían producirse daños personales.

Tenga cuidado cuando lo desembale e instale.
- Los bordes afilados pueden producir daños.

Utilice una bomba al vacío o gas inerte (nitrógeno) cuando proceda a pruebas de escape o purga de aire. No comprima ni el aire ni el oxígeno, ni utilice gases inflamables. En caso contrario, podría causar un incendio o una explosión. Existe riesgo de muerte, lesión, incendio o explosión.

Consulte con su distribuidor local con referencia al procedimiento en caso de fuga de refrigerante. Si el aparato de aire acondicionado va a instalarse en una estancia pequeña, es necesario tomar las medidas adecuadas a fin que la cantidad de refrigerante que se haya fugado no sobrepase el límite de concentración en caso de fuga. En caso contrario, podría conllevar un accidente debido à una reducción de oxígeno.

Lleve a cabo el trabajo especificado de instalación teniendo los terremotos en cuenta.
De no hacerlo durante el trabajo de instalación, podría conllevar la caída de la unidad y causar accidentes.

Asegúrese de proveer un circuito de suministro de alimentación independiente, y que todo el trabajo eléctrico sea llevado a cabo por el personal cualificado, conforme a las leyes y normativas locales, así como el presente manual de instalación. Toda capacidad de suministro de alimentación que resulte insuficiente, o toda construcción eléctrica inadecuada, puede conllevar una descarga eléctrica o un incendio.

Asegúrese de apagar la unidad antes de tocar cualquier parte eléctrica.

Asegúrese que todo el cableado está asegurado, que se utilizan los cables especificados, y que no existe presión sobre las conexiones de los terminales o los cables.

Si el gas refrigerante se fuga durante la instalación, ventile el área inmediatamente.
Se puede generar gas tóxico si el gas refrigerante entra en contacto con el fuego.

Asegúrese de instalar una unidad y un conducto de suministro de aire para la circulación a una sola habitación.

No conserve o use gas inflamable o combustible cerca del aparato.
- Existe riesgo de fuego, explosión, o bien lesiones físicas o mortales.

No use medios para acelerar el proceso de descongelamiento o para la limpieza, distintos a los recomendados por el fabricante.

El equipo debe almacenarse en un espacio sin fuentes de encendido que operen continuamente (Por ejemplo: llamas abiertas, un equipo que opere a gas o un calentador eléctrico operativo).

No perforar ni quemar

Esté consciente que puede ser que los refrigerantes no tengan olor.

El fabricante podría proporcionar otros ejemplos adecuados o podría proporcionar información adicional sobre el olor del refrigerante.

El material de las tuberías, su trazado y su instalación incluirán la protección contra daños físicos durante el funcionamiento y el servicio, y cumplirán los códigos y estándares nacionales y locales, como ASHRAE 15, ASHRAE 15.2, el Código mecánico uniforme IAPMO, el Código mecánico internacional ICC o CSA B52. Todas las juntas de campo deberán ser accesibles para su inspección antes de ser cubiertas o encerradas.

El área no ventilada en la que se instale el aparato que utilice refrigerantes inflamables deberá estar construida de forma que, en caso de que se produzca una fuga de refrigerante, éste no se estanque de forma que pueda crear un peligro de incendio o explosión.

Las juntas para refrigerante fabricadas en interiores deben superar una prueba de estanqueidad. El método de prueba debe ser sensible a 5 gramos de refrigerante por año o mejor a una presión mínima de 0,25 veces la presión máxima admisible. No se debe detectar ninguna fuga.

Si los aparatos conectados a través de un sistema de conductos de aire a una o más habitaciones con REFRIGERANTES A2L se instalan en una habitación con una superficie inferior a Amin según se determina en la norma, dicha habitación no deberá tener llamas abiertas en funcionamiento continuo (p. ej., un aparato de gas en funcionamiento) ni otras FUENTES POTENCIALES DE IGNICIÓN (p. ej., un calentador eléctrico en funcionamiento, superficies calientes). Si un dispositivo productor de llamas dispone de un supresor de llamas eficaz, puede instalarse en la misma zona.

Una vez terminadas las tuberías de campo para los sistemas divididos, las tuberías de campo se someterán a una prueba de presión con un gas inerte y, a continuación, a una prueba de vacío antes de la carga de refrigerante, de acuerdo con los siguientes requisitos:

- La presión mínima de prueba para el lado bajo del sistema será la presión de diseño del lado bajo y la presión mínima de prueba para el lado alto del sistema será la presión de diseño del lado alto, a menos que el lado alto del sistema, no pueda aislarse del lado bajo del sistema, en cuyo caso todo el sistema se someterá a prueba de presión a la presión de diseño del lado bajo.
- La presión de prueba tras la retirada de la fuente de presión se mantendrá durante al menos 1 h sin que el manómetro de prueba indique una disminución de la presión, con una resolución del manómetro de prueba no superior al 5 % de la presión de prueba.
- Durante la prueba de evacuación, después de alcanzar un nivel de vacío especificado en el manual o inferior, el sistema de refrigeración se aislará de la bomba de vacío y la presión no subirá por encima de 1500 micras en 10 min. El nivel de presión de vacío se especificará en el manual y será el menor de 500 micras o el valor requerido para el cumplimiento de los códigos y normas nacionales y locales, que puede variar entre edificios residenciales, comerciales e industriales.

Cualificación de los trabajadores

El manual debe incluir información detallada sobre las cualificaciones del personal de trabajo para las operaciones de mantenimiento, servicio y reparación. Todos los procedimientos de trabajo que afecten a medidas de seguridad deberán ser realizados por una persona o fabricante cualificados.

Ejemplos de dichos procedimientos de trabajo son:

- Irrupción en el circuito de refrigeración;
- Apertura de componentes sellados;
- Apertura de recintos ventilados.

El tubo del refrigerante debe estar protegido o encastrado para evitar daños.

Los conectores refrigerantes flexibles (tales como las líneas de conexión entre la unidad de espacio interior y exterior) que pueden desplazars durante las operaciones normales deben protegerse contra el daño mecánico.

Se debe realizar una conexión mediante cobresoldadura, soldadura o de tipo mecánico antes de abrir las válvulas para permitir que el refrigerante fluya entre las piezas del sistema refrigerante.

Mantenga las aberturas de ventilación necesarias libres de obstáculos.

Se debe poder acceder a las conexiones mecánicas (conectores mecánicos o juntas abocardadas) para realizar tareas de mantenimiento.

Los componentes flexibles de las tuberías deben estar protegidos de daños mecánicos, tensiones de torsión excesivas y otras fuerzas. Cada año, deben ser examinados para detectar daños mecánicos.

Los mecanismos de protección, las tuberías y los accesorios deben protegerse en la medida de lo posible de los peligros ambientales, como el riesgo de que se acumule agua y se congele en las tuberías de alivio o la acumulación de suciedad y residuos.

Deben tomarse precauciones para evitar vibraciones o pulsaciones excesivas en las tuberías de refrigeración.

Las tuberías de los sistemas de refrigeración deben instalarse y diseñarse de forma que se reduzca la posibilidad de que un choque hidráulico dañe el sistema.

Los tramos largos de tuberías deben tener espacio para la expansión y contracción.

Antes de utilizar cualquier aislamiento, las tuberías y componentes de acero deben recubrirse con un material antioxidante para evitar la corrosión.

Los conductos conectados a un aparato no deben contener una fuente de ignición potencial

El espacio debe disponer de conductos directos tanto para el aire de impulsión como para el de retorno.

Las zonas abiertas, como los falsos techos, no se utilizarán como conducto de aire de retorno.

En los conductos de conexión sólo se instalarán dispositivos auxiliares aprobados por el fabricante del aparato o declarados aptos con el refrigerante.

No se instalarán en los conductos dispositivos auxiliares que puedan constituir una fuente potencial de ignición. Ejemplos de tales fuentes potenciales de ignición son las superficies calientes con una temperatura superior a 700 °C y los dispositivos de conmutación eléctrica.

Para los aparatos conectados a conductos, se pueden utilizar falsos techos o falsos techos como plenum de aire de retorno si se proporciona un SISTEMA DE DETECCIÓN DE REFRIGERANTE en el aparato y cualquier conexión externa también está provista de un sensor inmediatamente debajo de la junta del conducto del plenum de aire de retorno.

Cableado

Electricidad de alto voltaje se requiere para operar este sistema.
Cumpla con las Normas Nacionales para Instalaciones Eléctricas: National Electrical Code (NEC) para EE. UU., México, Canada Electrical Code (CE) para Canadá, esto con el fin de realizar una una correcta instalación eléctrica.

- Las conexiones incorrectas así como la conexión

a tierra inadecuada puede causar lesiones accidentales o la muerte.

Conecte a tierra la unidad siguiendo los códigos locales, estatales y nacionales.
- Existe riesgo de fuego, electrocución, o bien lesiones físicas o mortales.

Revise correctamente todos los interruptores y fusibles.
- Existe riesgo de fuego, electrocución, explosión, o bien lesiones físicas o mortales.

La información contenida en este manual está destinada a ser utilizada por un electricista calificado y con experiencia en la industria, familiarizado con NEC para EE. UU. y México, o CE para Canadá.
- Se aconseja leer con atención y seguir al pie de la letra todas las instrucciones de este manua para que no haya fallas que pudieran resultar en el malfuncionamiento del equipo, en daños a la propiedad, o en lesiones personales o la muerte.

Tenga en cuenta los códigos locales, estatales y federales y haga uso de cables eléctricos con la suficiente capacidad de corriente y potencia.
- Los cables demasiado pequeños pueden generar calor y provocar un incendio.

Todo el trabajo eléctrico debe ser realizado por un electricista con licencia y cumplir con los códigos de construcción locales o, en ausencia de los códigos locales, con NEC para EE. UU. y México, o CE para Canadá, el cual debe seguir todas las instrucciones proporcionadas en este manual.
- Si la capacidad de la fuente de corriente eléctrica es inadecuada o bien el trabajo eléctrico no se llevó a cabo correctamente, podría resultar en fuego, electrocución, lesiones personales o incluso la muerte.

Asegure todas las conexiones y el cableado con un alivio de tensión adecuado.
- No asegurar debidamente los cables podrá generar tensión en exceso en las entradas de alimentación del equipo. Las conexiones inadecuadas pueden generar calor, causar un incendio y lesiones físicas o la muerte.

Conecte y atornille correctamente todas las entradas de alimentación.
- Un cableado flojo puede sobrecalentarse en los puntos de conexión, pudiendo provocar un incendio, lesiones físicas o la muerte.

⊘ No cambie la configuración de los aparatos de protección.
- Si el interruptor de tensión, o el de temperatura, o algún otro aparato de protección está puenteado o forzado para que no trabaje correctamente, o contiene otro tipo de partes que no son las especificadas por LG, existe riesgo de incendio, electrocución, explosión o lesiones físicas o la muerte.

El aparato debe instalarse de acuerdo con las normas nacionales de cableado.

Se debe incorporar un método de desconexión en el cableado fijo de acuerdo con las normas de cableado.

Si el cable de alimentación está dañado, deberá ser reemplazado por el fabricante, el agente de servicio o por personal igualmente cualificado con el fin de evitar situaciones de riesgo.

NOTA

- ⊘ No aplique la corriente eléctrica a la unidad hasta que todos los cables eléctricos, controles de cableado, tuberías, instalación y el sistema de evacuación del refrigerante hayan sido completados.

Operación

Desenchufe la unidad si emite un sonido extraño, olores o humo.
- Si no lo hace, podría producirse una descarga eléctrica o un incendio.

Manténgala alejada de llamas.
- De lo contrario, podría producirse un incendio.

Si es necesario desenchufar el cable de alimentación, hágalo sujetando la cabeza de la clavija y no lo toque con las manos húmedas.
- De lo contrario, podría producirse un incendio o una descarga eléctrica.

No abra la entrada de aspiración de la unidad interior/exterior durante el funcionamiento.
- Si lo hace, podría producirse una descarga eléctrica y una avería.

No permita que entre agua en las partes eléctricas.
- De lo contrario, podría producirse una avería en la unidad o una descarga eléctrica.

No toque nunca las partes metálicas de la unidad cuando retire el filtro.
- Son afiladas y pueden producir lesiones.

No se suba sobre la unidad interior/exterior ni coloque nada sobre ellas.
- Podrían producirse daños debido al desplome o caída de la unidad.

Si el aparato se ha sumergido en agua, póngase siempre en contacto con el centro de servicio técnico.
- De lo contrario, podría producirse un incendio o una descarga eléctrica.

Vigile que los niños no se suban a la unidad exterior.
- Si lo hacen, podrían resultar gravemente lesionados debido a una caída.

El equipo debe almacenarse en una forma que prevenga que ocurra un dano mecanico.

Este aparato no está diseñado para que lo usen personas (incluidos niños) con discapacidad física, sensorial o mental, o con experiencia y conocimiento insuficientes, a menos que una persona responsable de su seguridad les supervise o instruya en el uso del aparato Debe vigilarse a los niños de corta edad para asegurarse de que no juegan con el aparato.

SISTEMA DE DETECCIÓN DE FUGAS instalado. La unidad debe estar limentada excepto para el servicio. Esta unidad está equipada con medidas de seguridad accionadas eléctricamente. Para que sea eficaz, la unidad debe estar alimentada eléctricamente en todo

momento después de la instalación, excepto durante el mantenimiento.

Servicio & Instalación

Comprobaciones de la zona

Antes de comenzar a trabajar en los sistemas que contienen refrigerantes inflamables, es necesario realizar comprobaciones de seguridad para garantizar que el riesgo de ignición se reduzca al mínimo. Para la reparación del sistema de refrigeración, se deberán tomar las siguientes precauciones antes de realizar trabajos en el sistema.

Procedimiento para el trabajo

Los trabajos se llevarán a cabo de acuerdo a un procedimiento controlado a fin de reducir al mínimo el riesgo de que haya un gas o un vapor inflamable mientras se realiza el trabajo.

Zona de trabajo general

Todo el personal de mantenimiento y otras personas que trabajen en el área local se instruirán sobre la naturaleza del trabajo que se realiza. Se evitará el trabajo en espacios confinados.

Comprobación de la presencia del refrigerante

Se comprobará la zona con un detector de refrigerante adecuado antes y durante el trabajo, para asegurarse de que el técnico esté consciente de las atmósferas potencialmente inflamables. Asegúrese de que el equipo de detección de fugas que se está utilizando sea adecuado para su uso con refrigerantes inflamables, es decir, sin chispas, adecuadamente sellado o intrínsecamente seguro.

Presencia de un extintor de incendios

Si se debe realizar algún trabajo en el equipo de refrigeración o en alguna de sus partes, se dispondrá de un equipo de extinción de incendios adecuado. Tengan un extintor de polvo seco o CO2 cerca del área de carga.

No hay fuentes de ignición

Ninguna persona que realice trabajos relacionados con un sistema de refrigeración que impliquen la exposición de cualquier tubería, podrá utilizar ninguna fuente de ignición de tal manera que pueda dar lugar a un incendio o explosión.

Todas las posibles fuentes de ignición, incluyendo el consumo de cigarrillos, deben mantenerse lo suficientemente alejadas del lugar de instalación, reparación, eliminación y desecho, durante lo cual es posible que se libere refrigerante al espacio circundante. Antes de que el trabajo se lleve a cabo, el área alrededor del equipo debe inspeccionarse para asegurarse de que no hay peligros inflamables o riesgos de ignición. Se exhibirán carteles de “No Fumar”.

Área ventilada

Asegúrese de que el área esté al aire libre o que esté adecuadamente ventilada antes de irrumpir en el sistema o realizar cualquier trabajo en caliente. Habrá un grado de ventilación y continuará durante el período en que se lleve a cabo el trabajo.

La ventilación debe dispersar de forma segura cualquier refrigerante liberado y preferiblemente expulsarlo externamente a la atmósfera.

Comprobaciones del equipo de refrigeración

Cuando se cambien los componentes eléctricos, estos deberán ser adecuados para el propósito y la especificación correcta.

En todo momento se seguirán las directrices de mantenimiento y servicio del fabricante. En caso de duda, consulte al departamento técnico del fabricante para obtener asistencia.

Las siguientes comprobaciones se aplicarán a las instalaciones que utilicen refrigerantes inflamables:

- La carga refrigerante real guarda relación con el tamaño de la sala en la que están instaladas las piezas que contienen el refrigerante
- La maquinaria y las salidas de ventilación funcionan correctamente y no están obstruidas
- Si se utiliza un circuito de refrigerante indirecto, se revisará el circuito secundario para comprobar la presencia de refrigerante
- Las marcas del equipo continúan estando visibles y siendo legibles. Las marcas y los signos ilegibles deben corregirse
- El tubo y los componentes de refrigeración están instalados en una posición en la que no es probable que queden expuestos a sustancias que puedan corroer los componentes que contienen el refrigerante, a menos que estos estén fabricados con materiales que resistan de forma intrínseca la corrosión o estén adecuadamente protegidos contra la misma.

Comprobaciones de los dispositivos eléctricos

La reparación y el mantenimiento de los componentes eléctricos incluirá comprobaciones iniciales de seguridad y procedimientos de inspección de los componentes. Si existe una falla que pueda comprometer la seguridad, no se conectará ningún suministro eléctrico al circuito hasta que se resuelva satisfactoriamente. Si la falla no puede corregirse inmediatamente pero es necesario continuar la operación, se utilizará una solución temporal adecuada. Se informará de ello al propietario del equipo para que todas las partes estén informadas.

Las comprobaciones iniciales de seguridad incluirán:

- Los condensadores se descargan: esto se hará de forma segura para evitar la posibilidad de que se produzcan chispas.
- No se expone ningún componente eléctrico vivo ni los cables mientras se carga, se recupera o se purga el sistema.
- Continuidad de la unión a tierra

Reparaciones de los componentes sellados

Se sustituirán los componentes eléctricos sellados.

Reparación a los componentes intrínsecamente seguros

Los componentes intrínsecamente seguros deben ser sustituidos.

Cableado

Compruebe que el cableado no esté sujeto a desgaste, corrosión, presión excesiva, vibración, bordes afilados o cualquier otro efecto ambiental adverso. El control también tendrá en cuenta los efectos del envejecimiento o la vibración continua de fuentes tales como compresores o ventiladores.

Detección de refrigerantes inflamables

En ningún caso deben utilizarse posibles fuentes de ignición para buscar o detectar fugas de refrigerante. No deben utilizarse lámparas de aditivos metálicos (ni otros detectores que utilicen llamas vivas).

Métodos de detección de goteo

Los siguientes métodos de detección de fugas se consideran aceptables para todos los sistemas de refrigerantes.

Pueden utilizarse detectores electrónicos de fugas para detectar fugas de refrigerante pero, en el caso de los REFRIGERANTES INFLAMABLES, la sensibilidad puede no ser la adecuada o necesitar una recalibración. (El equipo de detección deberá calibrarse en una zona libre de refrigerantes).

Asegúrese de que el detector no sea una fuente potencial de ignición y de que sea adecuado para el refrigerante utilizado. El equipo de detección de fugas debe configurarse con un porcentaje del límite inferior de inflamabilidad LFL del refrigerante y calibrarse según el refrigerante empleado, y debe confirmarse el porcentaje de gas adecuado (el 25 % como máximo).

Los fluidos de detección de fugas también pueden utilizarse con la mayoría de los refrigerantes, pero no deben utilizarse detergentes que contengan cloro, pues este puede reaccionar con el refrigerante y corroer las tuberías de cobre.

NOTA

- Ejemplos de fluidos para la detección de fugas son
  - Método burbuja
  - Agentes de método fluorescente

Si se sospecha que se ha producido una fuga, deben retirarse o apagarse todas las llamas vivas.

Si se detecta una fuga de refrigerante que requiera soldadura fuerte, todo el refrigerante del sistema debe recuperarse o aislarse (mediante válvulas de cierre) en una parte del sistema que se encuentre lejos de la fuga. La remoción del refrigerante se debe realizar de acuerdo con el procedimiento de remoción y evacuación.

Remoción y evacuación

Al irrumpir en el circuito del refrigerante para hacer reparaciones – o con cualquier otro propósito – se deberán utilizar procedimientos convencionales. Sin embargo, en el caso de refrigerantes inflamables es importante que se sigan las mejores prácticas, ya que la inflamabilidad es una posibilidad real.

Se seguirá el siguiente procedimiento:

- Retire el refrigerante con seguridad siguiendo la normativa local y nacional;
- Evacuar;
- Purgue el circuito con gas inerte (opcional para A2L);
- Evacuar (opcional para A2L);
- Lave o purgue continuamente con gas inerte cuando utilice la llama para abrir el circuito; y
- Abre el circuito.

La carga de refrigerante se recuperará en los cilindros de recuperación correctos si la ventilación no está permitida por la normativa local y nacional. El sistema debe purgarse con nitrógeno sin oxígeno para que los aparatos que contienen refrigerantes inflamables sean seguros para su uso con refrigerantes inflamables. Podría ser necesario repetir este proceso varias veces.

Los sistemas refrigerantes no deben purgarse con aire comprimido u oxígeno.

Para los aparatos que usan refrigerantes inflamables, la purga de los refrigerantes se deberá realizar rompiendo el vacío en el sistema con nitrógeno sin oxígeno y continuar llenando hasta alcanzar la presión de funcionamiento, y luego ventilando a la atmósfera, y finalmente bajando al vacío (opcional para A2L). Este proceso se repetirá hasta que no haya refrigerante en el sistema (opcional para A2L). Cuando se utilice la carga final de nitrógeno sin oxígeno, el sistema se ventilará a la presión atmosférica para permitir que se pueda trabajar.

La salida de la bomba de vacío no deberá estar cerca de ninguna fuente potencial de ignición y deberá disponerse de ventilación.

Procedimientos de carga

Además de los procedimientos de carga convencionales, se seguirán los siguientes requisitos.

- Asegúrese de que no se produzca contaminación de diferentes refrigerantes al utilizar equipo de carga. Las mangueras y las líneas deben ser lo más cortas posible para reducir al mínimo la cantidad de refrigerante contenida en ellas.
- Los cilindros se deben mantener en una posición apropiada de acuerdo con la instrucción.
- Asegúrese de que el sistema de refrigeración esté conectado a tierra antes de cargar el sistema con refrigerante.
- Etiquete el sistema cuando la carga esté completa (si ya no lo ha hecho).
- Debe tenerse sumo cuidado para no llenar demasiado el sistema de refrigeración.

Antes de recargar el sistema, deberá someterse a una prueba de presión con el gas purgante apropiado.

Debe comprobarse que no haya fugas en el sistema una vez completada la carga y antes de ponerlo en marcha. Debe comprobarse nuevamente que no haya fugas antes de abandonar las instalaciones.

Desmantelamiento

Antes de llevar a cabo este procedimiento, es esencial que el técnico esté completamente familiarizado con el equipo y todos sus detalles.

Se recomienda como buena práctica que todos los refrigerantes se recuperen de forma segura.

Antes de realizar la tarea, se tomará una muestra de aceite y refrigerante en caso de que se requiera un

análisis antes de reutilizar el refrigerante recuperado.

Es esencial que la energía eléctrica esté disponible antes de comenzar la tarea.

a) Familiarizarse con el equipo y su funcionamiento.

b) Aislar el sistema eléctricamente.

c) Antes de intentar el procedimiento asegúrese de que:

- De ser necesario, se dispone de un equipo de manipulación mecánica para manejar los cilindros de refrigerante
- Todo el equipo de protección personal está disponible y se está utilizando correctamente
- El proceso de recuperación lo supervisa en todo momento por una persona competente
- El equipo de recuperación y los cilindros se ajustan a las normas apropiadas.

d) Bombee el sistema de refrigeración, si es posible.

e) De no ser posible hacer el vacío, haga un colector para que el refrigerante pueda eliminarse de varias partes del sistema.

f) Asegúrese de que el cilindro esté situado en la balanza antes de que se produzca la recuperación.

g) Ponga en marcha la máquina de recuperación y opere de acuerdo con las instrucciones del fabricante.

h) No llene los cilindros de más. (No más del 80 % del volumen de carga líquida).

i) No exceda la presión máxima de trabajo del cilindro, ni siquiera temporalmente.

j) Cuando los cilindros se hayan llenado correctamente y se haya completado el proceso, asegúrese de que los cilindros y el equipo se retiren del lugar rápidamente y se cierren todas las válvulas de aislamiento del equipo.

k) El refrigerante recuperado no se cargará en otro sistema de refrigeración a menos que se haya limpiado y comprobado.

Etiquetado

El equipo se etiquetará indicando que se ha desactivado y vaciado de refrigerante.

La etiqueta estará fechada y firmada.

Asegúrese de que haya etiquetas en el equipo que indiquen que el equipo contiene un refrigerante inflamable.

Recuperación

Cuando se retira el refrigerante de un sistema, ya sea para mantenerlo o para ponerlo fuera de servicio, se recomienda la buena práctica para que todos los refrigerantes se retiren de forma segura. Al transferir el refrigerante a los cilindros, asegúrese de que sólo se empleen los cilindros de recuperación de refrigerante adecuados.

Asegúrese de que el número correcto de cilindros para mantener la carga total del sistema está disponible. Todos los cilindros que se van a utilizar están designados para el refrigerante recuperado y etiquetados para ese refrigerante (es decir, se usan cilindros especiales para la recuperación de refrigerante).

Los cilindros deberán estar completos con la válvula de alivio de presión y las válvulas de cierre asociadas en buen estado de funcionamiento.

Los cilindros de recuperación vacíos se evacuan y, si de ser posible, enfriados antes de que se produzca la recuperación.

El equipo de recuperación funcionará bien con un conjunto de instrucciones relativas al equipo que está a la mano y será adecuado para la recuperación de refrigerante inflamable.

En caso de duda, se debe consultar al fabricante. Además, se dispondrá de un juego de balanzas calibradas y en buen estado de funcionamiento.

Las mangueras deben estar completas con acoplamientos de desconexión, no tener fugas y en buen estado.

El refrigerante recuperado se procesará de acuerdo con la legislación local en el cilindro de recuperación correcto, y se dispondrá la correspondiente nota de transferencia de residuos.

No mezcle los refrigerantes en las unidades de recuperación y especialmente no en los cilindros.

Si los compresores o los aceites de los compresores se deben retirar, asegúrese de que se han evacuado a un nivel aceptable para asegurarse de que el refrigerante inflamable no permanezca dentro del lubricante. El cuerpo del compresor no deberá calentarse con una llama abierta u otras fuentes de ignición para acelerar este proceso.

Cuando se drena el aceite de un sistema, se debe llevar a cabo de forma segura.

⚠ PRECAUCIÓN

Instalación

Instale la manguera de drenaje para asegurar que el drenaje pueda realizarse correctamente.

- De lo contrario, podrían producirse fugas de agua.

Instale el aparato de modo que el ruido o el aire caliente procedente de la unidad exterior no cause molestias a los vecinos.

- De lo contrario, podrían producirse disputas con los vecinos.

Compruebe siempre si existen pérdidas de gas después de instalar o reparar la unidad.

- Si no lo hace, podría producirse una avería en la unidad.

Instale la unidad bien nivelada.

- Si no lo hace, podrían producirse vibraciones o fugas de agua.

No instale la unidad en atmósferas potencialmente explosivas.

La instalación de la tubería debe mantenerse en un mínimo.

Cualquier persona que esté involucrada en el trabajo

o en interrumpir un circuito refrigerante debe portar un certificado válido actualizado de una autoridad de evaluación acreditada por la industria, el cual autoriza su competencia para manejar refrigerantes con seguridad de acuerdo con una especificación de evaluación reconocida por la industria.

Cuando se reutilicen en interiores conectores mecánicos, las piezas de sellado se deben renovar.

Cuando las uniones ensanchadas se usen de nuevo en espacios interiores, la parte ensanchada debe fabricarse de nuevo.

Operación

Evite un enfriamiento excesivo y ventile frecuentemente.

- De lo contrario, podría perjudicar su salud.

Utilice un paño suave para limpiar la unidad. No utilice cera, disolvente ni un detergente fuerte.

- Podría deteriorarse el aspecto del aire acondicionado, cambiar el color o producirse desperfectos en su superficie.

No utilice el aparato para una finalidad especial como el acondicionamiento para animales o vegetales, máquinas de precisión o la conservación de artículos de arte.

- Si lo hace, podrían producirse daños en sus propiedades.

No coloque ningún obstáculo alrededor de las entradas o salidas de aire.

- Si lo hace, podría producirse una avería en el aparato o un accidente.

Este aparato no está destinado a la refrigeración EQUIPOS DE TECNOLOGÍA DE LA INFORMACIÓN

El servicio debe realizarse solo como recomienda el fabricante del equipo. El mantenimiento y la reparación que requieran la asistencia de otro personal adiestrado debe llevarse a cabo bajo la supervisión de la persona competente en el uso de refrigerantes inflamables.

Servicio

Las tareas de servicio técnico solo se deben realizar siguiendo las recomendaciones del fabricante.

ANTES DEL FUNCIONAMIENTO

Preparativos de cara al funcionamiento

1. Póngase en contacto con un especialista en instalaciones para la instalación de esta unidad.
2. Utilice un circuito dedicado.

Uso

1. Someterse al flujo de aire durante un periodo de tiempo prolongado puede resultar nocivo para su salud. No someta a personas, mascotas o plantas al flujo de aire directo durante periodos de tiempo prolongados.
2. Para evitar deficiencias en el volumen de oxígeno, ventile la habitación cuando utilice la unidad junto con estufas y otros dispositivos de calefacción.
3. No utilice este acondicionador de aire con fines especiales no específicos (p. ej. conservar dispositivos de precisión, alimentos, mascotas, plantas y obras de arte). Este tipo de usos puede dañar los productos en cuestión.
4. Cuando utilice un mando a distancia, consulte el manual de usuario del mando a distancia en cuestión.

Limpieza y mantenimiento

1. No toque las piezas metálicas de la unidad al desmontar el filtro. La manipulación de bordes metálicos afilados puede provocar lesiones físicas.
2. No utilice agua para limpiar el interior del acondicionador de aire. La exposición al agua puede destruir el aislamiento y ocasionar posibles descargas eléctricas.
3. Cuando limpie la unidad, asegúrese primero de que la alimentación y el disyuntor se encuentran desconectados. Durante el funcionamiento de la unidad, el ventilador funciona a una velocidad muy alta. Existe la posibilidad de lesiones físicas si la alimentación de la unidad se activa de forma accidental cuando se limpian las piezas internas de la unidad.

Servicio

Para las tareas de reparación y mantenimiento, póngase en contacto con el distribuidor de servicios autorizado.

⚠ PRECAUCIÓN

- Póngase en contacto con un técnico de servicio autorizado para la reparación o el mantenimiento de esta unidad.
- Póngase en contacto con un especialista en instalaciones para la instalación de esta unidad.
- El acondicionador de aire no está diseñado para que lo utilicen niños o personas discapacitadas sin supervisión.
- Se debe supervisar a los niños para asegurarse de que no juegan con el acondicionador de aire.
- Cuando sea necesario cambiar el cable de alimentación, el trabajo de sustitución deberá realizarlo personal autorizado utilizando únicamente piezas de repuesto originales.
- Las labores de instalación se deben realizar según el Código Eléctrico Nacional y por parte solo de personal cualificado y autorizado.

LEA ESTE MANUAL

En él encontrará numerosas sugerencias útiles sobre cómo utilizar y realizar el mantenimiento del acondicionador de aire de la forma adecuada. Con solo una atención preventiva de sus piezas puede ahorrar gran cantidad de tiempo y dinero a lo largo de la vida útil del acondicionador de aire.

Encontrará muchas respuestas a los problemas más comunes en el diagrama de consejos de solución de problemas. Si lee los consejos de solución de problemas, podría no tener que llamar para solicitar un servicio de reparación.

PARA SUS REGISTROS

Anote aquí los números de modelo y de serie.

Modelo	
Número de serie	

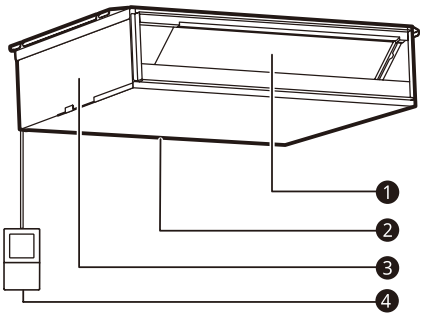
Los encontrará en la etiqueta del lateral de cada unidad.

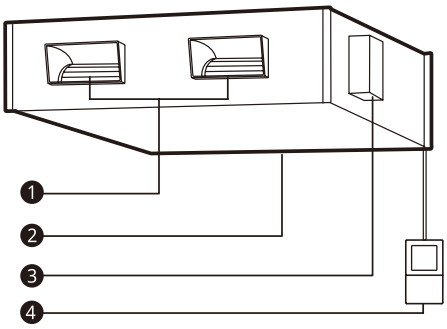
Nombre del distribuidor	
Fecha de compra	

FUNCIONAMIENTO

Piezas y funciones

Unidad interior

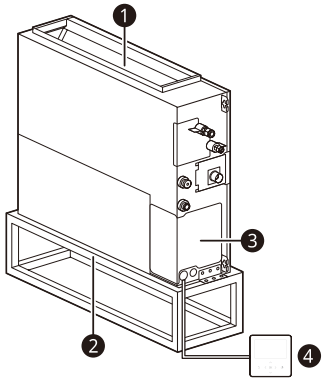




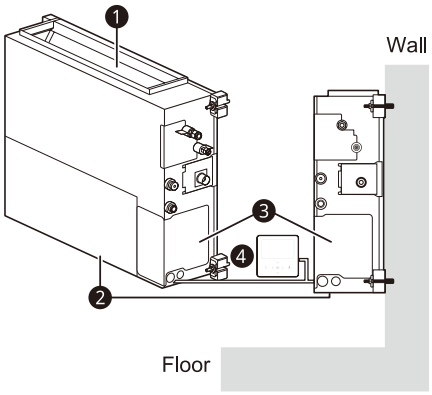
solo chasis MA - Piezas de instalación vertical (Opción)

Debe adquirir las piezas opcionales para instalar el producto verticalmente.

Forma 1. Instalación sobre el suelo



Forma 2. Instalación sobre la pared



❶ Rejillas de salida del aire ❷ Rejillas de entrada del aire ❸ Caja de control

❹ Mando a distancia con cable (Accesorio)

NOTA

- Las características pueden variar según el tipo del modelo.
- Use solamente fusibles con retardo. Compruebe la especificación de los fusibles con la etiqueta del circuito adjunta a la cubierta de control.

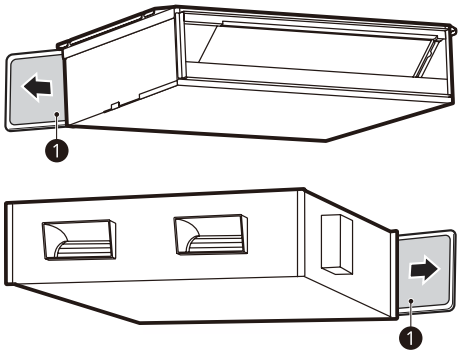
MANTENIMIENTO

Limpieza del filtro de aire

Los filtros de aire situados detrás de la rejillas frontal deberán comprobarse y limpiarse cada dos semanas o, si es necesario, con más frecuencia.

1 Retire los filtros de aire de la unidad interior.

- Agarre la lengüeta y tire ligeramente hacia delante para quitar el filtro.

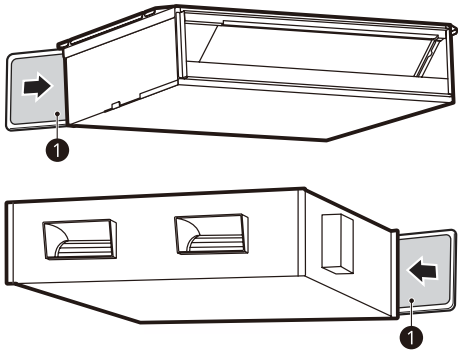


2 Limpie la suciedad del filtro de aire con una aspiradora o con agua.

- Si el filtro de aire está muy sucio u obstruido, lávelo con un detergente neutro en agua tibia.

3 Después de lavarlo con agua, séquelo bien a la sombra.

4 Instale el filtro de aire.



❶ Filtros de aire

⚠ PRECAUCIÓN

- Desconecte la unidad interior de la red eléctrica antes de proceder a su limpieza.
- No utilice agua a una temperatura superior a 40 °C (104 °F) para limpiar el filtro de aire. Puede causar deformación o decoloración.
- No utilice sustancias volátiles para limpiar el filtro de aire. Pueden dañar la superficie del aparato de aire acondicionado.
- Cuando retire el filtro de aire, no toque las partes metálicas de la unidad interior. Podría causar lesiones.

NOTA

- Apague el aparato antes de limpiarlo y pásele un paño suave y seco. No utilice lejía o abrasivos.
- Para secarlo, no exponga el filtro de aire a la luz solar directa o al calor del fuego.
- La función puede cambiar según el tipo de modelo.

Si el acondicionador de aire no va a utilizarse durante un periodo de tiempo prolongado

1 Active en el acondicionador de aire los siguientes ajustes durante 2-3 horas.
- Tipo de funcionamiento: modo de funcionamiento de ventilador.
- Esta acción secará los mecanismos internos.

2 Apague el disyuntor.

> **⚠ PRECAUCIÓN**
>
> - Apague el disyuntor si el acondicionador de aire no va a utilizarse durante un periodo de tiempo prolongado.
>   – La suciedad podría acumularse y provocar un incendio.

NOTA
- El polvo y las impurezas acumuladas en el filtro pueden bloquear el flujo de aire o debilitar las funciones de aire acondicionado.

Al utilizar el acondicionador de aire tras un periodo prolongado de no usarlo

1 Limpie el filtro de aire y vuelva a instalarlo en la unidad interior.

2 Compruebe que la entrada y la salida de aire de la unidad interior/exterior no estén bloqueadas.

3 Asegúrese de que el cable de conexión a tierra esté correctamente conectado.
- El cable de conexión a tierra se debe conectar en la unidad interior.

Consejos de funcionamiento

- No enfríe la habitación en exceso.
  – No resulta beneficioso para la salud y supone un desperdicio de electricidad.
- Mantenga las persianas o las cortinas cerradas.
  – No deje que la luz solar directa entre en la habitación mientras el acondicionador de aire está en funcionamiento.
- Asegúrese de que las puertas y las ventanas están bien cerradas.
  – En la medida de lo posible, evite abrir las puertas y las ventanas para mantener el aire frío dentro de la habitación.
- Limpie el filtro de aire de forma habitual.
  – Las obstrucciones del filtro de aire reducen el flujo de aire y los efectos de la refrigeración y la deshumidificación. Límpielo al menos una vez cada dos semanas.
- Ventile la habitación cada cierto tiempo.
  – Como las ventanas se mantienen cerradas, se recomienda abrirlas y ventilar la habitación con frecuencia.

SOLUCIÓN DE PROBLEMAS

Antes de llamar para solicitar servicio

Haga las siguientes comprobaciones antes de llamar al servicio técnico. Si el problema persiste, póngase en contacto con un centro de servicio de LG Electronics o con su distribuidor.

Síntomas	Posibles causas y solución
El acondicionador de aire no funciona.	**Ha ajustado el temporizador incorrectamente?**
	Se ha fundido el fusible o se ha activado el disyuntor?
se activa un sistema de detección de fugas de refrigerante R32.	**Si aparecen códigos de error como 228, 229 y 230, ventile la habitación y póngase en contacto con el personal autorizado inmediatamente.**
	Si hay un código de error de 236, el detector de fugas de refrigerante dispone de una vida útil de menos de 6 meses. Póngase en contacto con personal autorizado inmediatamente.
En la habitación se percibe un olor peculiar.	**Compruebe que no sea un olor a humedad procedente de las paredes, la alfombra, los muebles o las prendas de ropa que hay en la habitación.**
Parece que hay condensación en el acondicionador de aire.	**La condensación aparece cuando el flujo de aire del acondicionador de aire enfría el aire cálido de la habitación.**
El acondicionador de aire no funciona durante unos tres minutos después de reiniciarlo.	**Este es un mecanismo de protección.**
	Espere unos tres minutos y la unidad empezará a funcionar.
No enfría o calienta de forma eficaz.	**Está sucio el filtro de aire? Consulte las instrucciones de limpieza del filtro de aire.**
	Puede que en la habitación hiciese mucha calor cuando el acondicionador de aire se encendió por primera vez. Espere a que se enfríe.
	Se ha ajustado la temperatura incorrectamente?
	Están obstruidas las rejillas de entrada o salida de aire de la unidad interior?
El acondicionador de aire hace mucho ruido al funcionar.	**Se escucha un ruido parecido al del agua corriendo.** • Este es el sonido que genera el flujo del freón en el interior del acondicionador de aire.
	Se escucha un sonido parecido al aire comprimido liberándose a la atmósfera. • Este es el sonido que se genera al procesarse el agua deshumidificada en el interior del acondicionador de aire.
Se escucha un ruido de crujido.	**Este sonido lo genera la expansión o contracción de la rejilla de entrada u otros elementos debido a los cambios de temperatura.**
La pantalla del mando a distancia se muestra con debilidad o no se muestra nada en la pantalla.	**Están agotadas las pilas?**
	Están instaladas las pilas en la dirección opuesta correcta (+) y (-)?

NOTA

- El lado exterior del dispositivo es RESISTENTE AL AGUA. El lado interior no es resistente al agua y no debe exponerse a un exceso de agua.

GARANTÍA LIMITADA (EE.UU.)

Los términos y condiciones íntegros de la Garantía Limitada del producto, así como los requisitos de arbitraje, están disponibles en https://www.lghvac.com



US	Please call the installing contractor of your product, as warranty service will be provided by them.
CANADA	Service call Number # : (888) LG Canada, (888) 542-2623 Numéro pour les appels de service : LG Canada, 1-888-542-2623

OWNER'S MANUAL

AIR CONDITIONER



Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

TYPE : Ceiling Concealed Duct

EN ENGLISH FR FRANÇAIS ES ESPAÑOL

MFL69889210
Rev.02_102124

www.lghvac.com
www.lg.com

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE





This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.



This symbol indicates that the Owner's Manual should be read carefully.



This symbol indicates that service personnel should be handling this equipment with reference to the Installation Manual.



This symbol indicates that information is available in the Owner's Manual or Installation Manual.

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING, or CAUTION.

WARNING

Failure to follow these instructions could result in death or serious injury.

CAUTION

Failure to follow these instructions could result in minor or moderate injury or damage to the product.

All safety messages will tell you what the potential hazard is, inform you as to how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

- Installation or repairs done by unauthorized persons can pose hazards to you and others.
- Installation MUST conform to the local building codes or, in the absence of local codes, the National Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part 1 CSA C22. 1.
- The information contained in this manual is intended for use by a qualified service technician who is familiar with the safety procedures and equipped with the proper tools and test instruments.
- Failure to read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- When the power cord needs to be replaced, the replacement work should be performed by authorized personnel using only genuine replacement parts.
- This appliance is not accessible to the general public.This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Important Safety Instructions

⚠ WARNING

Installation

Contact the dealer to have the air conditioner installed.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Check the foundation for damaged on a continuous basis, especially if it has been in use for a long time.

- It may cause injury or damage to the unit or other property.

Contact the dealer for repairs, maintenance and to reinstall the airconditioner.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Be sure to only use accessories made by LG which are specifically designed for use with the equipment and have them installed by a professional.

- Improper installation or attachment of equipment or accessories could result in electric shock, a short circuit, leaks, fire or other damage to the equipment.

In the case of refrigerant leakage, consult the dealer. When installing the air conditioner in a small room, it is necessary to take proper measures so that even when it leaks, the amount of any leaked refrigerant does not exceed the limiting concentration even when it leaks. If the refrigerant leakage exceeds the limiting concentration level, an oxygen deficiency-related accident may occur.

- There is a risk of asphyxiation which could lead to serious injury or death.

Do not install the unit in an area where there are flammable materials.

- There is a risk of explosion that could result in serious injury or death.

Use a vacuum pump or insert (nitrogen) gas when performing a leakage test or air purge. Do not allow air etc. to enter the refrigerant circuit (piping). Never use refrigerants that are not specified on the specification. label and in the manuals.

- There is a risk of death, injury, fire or explosion.

For installation of the UVnano Filter Box(a non integral duct mounted UV lamp system approved by LG Electronics), always contact the service center or a professional installation agency.

- Otherwise, it may cause a ultraviolet(UV) radiation exposure to eyes and skins, electrical shock, or injury.

Do not install indoor units in laundry rooms.

Power

Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with the dealer for electrical work and grounding work.

- There is a risk.

Do not modify or extend the power cable.

- There is risk of fire or electric shock.

Be sure to establish an earth.

- There is risk of fire or electric shock.

Be sure to install an earth leakage breaker.

- There is risk of fire or electric shock.

Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock.

Do not turn on the breaker or power if the front panel, cabinet, top cover, or control box cover are removed or opened.

- Doing so could cause fire, electric shock, explosion or death.

Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is a risk of fire or electric shock.

Consult with the installation contractor for cleaning or maintenance. Turn off all electrical power before doing any cleaning or maintenance.

- There is a risk of water leakage, electric shock or serious injury.

Take care to ensure that the power cable cannot be pulled out or damaged during operation.

- There is a risk of fire or electric shock.

Do not place anything on the power cable.

- There is a risk of fire or electric shock.

Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power.

- Otherwise, water leakage may occur.

Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.

- Improper or loose connections can cause heat generation or fire.

Do not touch (operate) the product with wet hands.

- There is a risk of electrical shock.

When installing the product vertical standing position, vertical drain pan(accessory kit) must be installed.

- Otherwise, drain water leakage will occur and can cause hazardous damage.

Operation

Be sure to use only those parts which are listed in the SVC parts list. Never attempt to modify the equipment.

- The use of inappropriate parts can cause an electrical shock or fire.

Do not install the air conditioner at any place where flammable gas may leak out. If the gas leaks out and stays around the air conditioner, a fire may break out.

- There is a risk of explosion, fire and serious injury.

Never use flammable spray such as hair spray, lacquer or paint near the unit.

- Flammable spray may cause a fire.

If equipment utilizing a burner is used in the same room as the air conditioner,
there is the danger of oxygen deficiency, which could lead to asphyxiation. Be sure to ventilate the room sufficiently to avoid this hazard.

- There is a risk of serious injury or death.

Do not put fingers or other objects into the air inlet or air outlet. Never remove the fan guard of the unit.

- The fan rotates at a high speed and will cause injury.

Never sprinkle or spill water or liquids on unit.

- Doing so could cause fire, failure of the product, or electric shock.

Never let the indoor unit or the remote controller get wet.

- Water can cause an electric shock or a fire.

Do not let the air conditioner run while a door or window is open on a day with high humidity. This could result in excessive moisture and water damage.

- Excess moisture may collect and cause water damage to walls or furniture.

If there are any abnormalities in the operation of the air conditioner such as strange sounds, smoke or fire. turn off the power and contact the dealer immediately.

- There is a risk of severe injury or death.

Take care to ensure that nobody can step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

Stop operation and close all window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

- There is a risk of property damage, product failure, or electric shock.

If the product becomes soaked (flooded or submerged), contact the dealer.

- There is a risk of fire or electric shock.

Do not use the product in a tightly closed space for a long time.

- Doing so could result in a state of oxygen deficiency.

Maintenance

The heat exchanger fins are sharp edges enough to cut. To avoid injury, wear gloves or cover the fins while working around them.

Tear apart and throw away plastic packaging bags so that children will not play with them.

- Children playing with plastic bags are at risk of death by suffocation.

Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts.

- These materials could cause puncture wounds or other injuries.

⚠ CAUTION

Installation

If the refrigerant gas leaks during the installation, ventilate the area immediately.

- Such leakage it can be harmful for your health.

Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause product failure.

Keep the product level, even when installing it.

- This will help to avoid vibration or water leakage.

Use two or more people to lift and transport the product.

- This will help to avoid personal injury.

Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals, which can enter the unit. Once inside the unit, these animals can lead to the unit malfunctioning, and end up causing in smoke or fire when they make contact with electrical parts.

- There is a risk of fire or electric shock.

Do not install the product where it will be exposed to sea wind (salt spray) directly.

- This can cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

Make sure that the drainpipe is installed properly to drain water. Arrange the drain hose to ensure smooth drainage.

- Incomplete drainage may lead to water damage done to the building, furniture, etc. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, it may be because the drainpipe has become clogged with dust or dirt, and could result in water leakage in the indoor unit. In such a situation, stop operating the air conditioner or heat pump and contact the dealer.

Do not install the product where the noise or hot air from the outdoor unit could be harmful to your immediate surroundings.

- Improper placement could cause problems for your neighbors.

The Limited Warranty is void and of no effect, and LG will have no liability hereunder to any Customer or third party, to the extent any of the following occur: acts, omissions, and conduct of any and all third parties including, but not limited to, the installing contractor and any repairs, service or maintenance by unauthorized or unqualified persons.

Do not install the unit in potentially explosive atmospheres.

Operation

If refrigerant gas leaks while the unit is being repaired do not touch the leakaing refrigerant gas.

- The refrigernat gas can cause frostbite (cold burn)

Do not mix air or gases other than the specified refrigerant used in the system.

- Air entering the refrigerant system can lead to excessively high pressure causing equipment damage or injury.

Make sure that there are no obstacles close to the outdoor unit. The presence of obstacles close to the outdoor unit may reduce the performance of outdoor unit or increase its operating sound.

- This could cause product failure.

Do not use the air conditioner for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.

- Doing so could lead to risk of damage or loss of property.

Replace all the batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- Doing so could lead to a risk of fire or explosion.

Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.

- They may burn or explode.

If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.

- The chemicals in batteries could cause burns or other health hazards.

If you ingest the liquid from the batteries, brush your teeth and see a doctor. Do not use the remote if the batteries have leaked.

- The chemicals in batteries could cause burns or other health hazards.

Do not step on or put anything on the product. (outdoor units)

- Doing so could lead to a risk of personal injury and product failure.

The appliance is not intended for use by young children or infirm persons without supervision.

Do not allow a child to mount on the unit or place any object on it. Do not let children play on and around the unit.

- Falling or tumbling may result in injury. If a child touches the unit carelessly, it may result in injury.

Do not drink the water drained from the product.

- It is not sanitary and could cause serious health issues.

Maintenance

Contact the dealer for repair or maintenance.

Do not wipe the controller operation panel with benzine, thinner, chemical dust cloths, etc. The panel may get discolored or the coating may peel off. If it is very dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it dry it with another dry cloth.

- There is a risk of damage to the plastic parts of the product.

Do not insert hands or other objects through the air inlet or outlet while the product is operating.

- There are sharp and moving parts that could cause personal injury.

Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.

Do not touch the metal parts of the product when removing the air filter. They are very sharp!

- There is a risk of personal injury.

Do not drink the water drained from the product.

- It is not sanitary and could cause serious health issues.

Do not operate the air conditioner when using a room fumigation-type insecticide.

- Failure to do so could lead to the chemicals becoming deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

Notes for Safety Guide

Installation

Always perform grounding.

- Otherwise, it may cause electrical shock.

For installation of the product, always contact the service center or a professional installation agency.

- Otherwise, it may cause a fire, electrical shock, explosion or injury.

Securely attach the electrical part cover to the indoor unit and the service panel to the outdoor unit.

- If the electrical part cover of the indoor unit and the service panel of the outdoor unit are not attached securely, it could result in a fire or electric shock due to dust, water, etc.

Always install an air leakage breaker and a dedicated switching board.

- No installation may cause a fire and electrical shock.

Do not keep or use flammable gases or combustibles near the air conditioner.

- Otherwise, it may cause a fire or the failure of product.

Ensure that an installation frame of the outdoor unit is not damaged due to use for a long time.

- It may cause injury or an accident.

Do not disassemble or repair the product randomly.

- It will cause a fire or electrical shock.

Do not install the product at a place that there is concern of falling down.

- Otherwise, it may result in personal injury.

Use caution when unpacking and installing.

- Sharp edges may cause injury.

Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and Do not use Flammable gases. Otherwise, it may cause fire or explosion. There is the risk of death, injury, fire or explosion.

- Consult your lacal dealer regarding what to do in case of refrigerant leakage.
  When the air conditioner is to be installed in a small room, it is necessary to take proper measures so that the amount of any leaked refrigerant does not exceed the concentration limit in the event of a leakage. Otherwise, this may lead to an accident due to oxygen depletion.

Carry out the specified installation work after taking into account earthquakes.
Failure to do so during installation work may result in the unit falling and causing accidents.

Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.

Be sure to switch off the unit before touching any electrical parts.

Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires.

If refrigerant gas leaks during installation, ventilate the area immediately.
Toxic gas may be produced if the refrigerant gas comes into contact with fire.

Make sure to be materials in a compartment handling air for circulation through a duct supplying only one room.

Do not store or use flammable gas or combustibles near the unit.

- There is risk of fire, explosion, and physical injury or death.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources
(For example: open flames, an operating gas appliance or an operating electric heater.)

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

The manufacturer may provide other suitable examples or may provide additional information about the refrigerant odour.

Pipe-work including, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed.

An unventilated area where the appliance using flammable refrigerants is installed shall be so constructed that should any refrigerant leak, it will not stagnate so as to create a fire or explosion hazard.

Field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0,25 times the maximum allowable pressure. No leak shall be detected;

If appliances connected via an air duct system to one or more rooms with A2L REFRIGERANTS are installed in a room with an area less than Amin as determined in standard, that room shall be without continuously operating open flames (e.g. an operating gas appliance) or other POTENTIAL IGNITION SOURCES (for e.g., an operating electric heater, hot surfaces). A flame-producing device may be installed in the same space if the device is provided with an effective flame arrest.

After completion of field piping for split systems, the field pipework shall be pressure tested with an inert gas and then vacuum tested prior to refrigerant charging, according to the following requirements:

- The minimum test pressure for the low side of the system shall be the low side design pressure and the minimum test pressure for the high side of the system shall be the high side design pressure, unless the high side of the system, cannot be isolated from the low side of the system in which case the entire system shall be pressure tested to the low side design pressure.
- The test pressure after removal of pressure source shall be maintained for at least 1 h with no decrease of pressure indicated by the test gauge, with test gauge resolution not exceeding 5% of the test pressure.
- During the evacuation test, after achieving a vacuum level specified in the manual or less, the refrigeration system shall be isolated from the vacuum pump and the pressure shall not rise above 1500 microns within 10 min. The vacuum pressure level shall be specified in the manual, and shall be the lessor of 500 microns or the value required for compliance with national and local codes and standards, which may vary between residential, commercial, and industrial buildings.

Qualification of workers

The manual shall contain specific information about the required qualification of the working personnel for maintenance, service and repair operations. Every working procedure that affects safety means shall only be carried out by qualified person by manufacturer.

Examples for such working procedures are:

- Breaking into the refrigerating circuit;
- Opening of sealed components;
- Opening of ventilated enclosures.

Refrigerant tubing shall be protected or enclosed to avoid damage.

Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage.

A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts.

Keep any required ventilation openings clear of obstruction.

Mechanical connections (mechanical connectors or flared joints) shall be accessible for maintenance purposes.

Flexible pipe elements shall be protected against mechanical damage, excessive stress by torsion, or other forces. They should be checked for mechanical damage annually.

Protection devices, piping and fittings shall be protected as far as possible against adverse environmental effects, for example, the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris.

Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping.

Piping in refrigerating systems shall be so designed and installed to minimize the likelihood hydraulic shock damaging the system.

Provision shall be made for expansion and contraction of long runs of piping.

Steel pipes and components shall be protected against corrosion with a rustproof coating before applying any insulation.

Ducts connected to an appliance shall not contain a potential ignition source.

The supply and return air shall be directly ducted to the space.

Open areas such as false ceilings shall not be used as a return air duct.

Only auxiliary devices approved by the appliance manufacturer or declared suitable with the refrigerant shall be installed in connecting ductwork.

Auxiliary devices which can be potential ignition source shall not be installed in connecting ductwork. Examples of potential ignition sources are UV lights, electric heaters with a temperature exceeding 700 ℃, pilot flames, brushed motors and similar devices.

For duct connected appliances, false ceilings or drop ceilings may be used as a return air plenum if a REFRIGERANT DETECTION SYSTEM is provided

in the appliance and any external connections are also provided with a sensor immediately below the return air plenum duct joint.

Wiring

High voltage electricity is required to operate this system. Adhere to applicable building codes: National Electrical Code (NEC) for U.S. and Mexico, Canada Electrical Code (CE) for Canada and these instructions when wiring.

- Improper connections and inadequate grounding can cause accidental injury or death.

Always ground the unit following local, state, and national Codes.

- There is risk of fire, electric shock, and physical injury or death.

Properly size all circuit breakers or fuses.

- There is risk of fire, electric shock, explosion, physical injury or death.

The information contained in this manual is intended for use by an industry-qualified, experienced, certified electrician familiar with NEC for U.S. and Mexico, or CE for Canada who is equipped with the proper tools and test instruments.

- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury or death.

Refer to local, state, and federal codes, and use power wires of sufficient current capacity and rating.

- Wires that are too small may generate heat and cause a fire.

All electric work must be performed by a licensed electrician and conform to local building codes or, in the absence of local codes, with NEC for U.S. and Mexico, or CE for Canada, and the instructions given in this manual.

- If the power source capacity is inadequate or the electric work is not performed properly, it may result in fire, electric shock, physical injury or death.

Secure all field wiring connections with appropriate wire strain relief.

- Improperly securing wires will create undue stress on equipment power lugs. Inadequate connections may generate heat, cause a fire and physical injury or death.

Properly tighten all power lugs.

- Loose wiring may overheat at connection points, causing a fire, physical injury or death.

⃠ Do not change the settings of the protection devices.

- If the pressure switch, thermal switch, or other protection devices are bypassed or forced to work improperly, or parts other than those specified by LG are used, there is risk of fire, electric shock, explosion, and physical injury or death.

The appliance shall be installed in accordance with national wiring regulations.

Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

NOTE

- ⃠ Do not supply power to the unit until all electrical wiring, controls wiring, piping, installation, and refrigerant system evacuation are completed.

Operation

Unplug the unit if strange sounds, smell, or smoke comes from it.

- Otherwise, it may cause electrical shock or a fire.

Keep the flames away.

- Otherwise, it may cause a fire.

Take the power plug out if necessary, holding the head of the plug and do not touch it with wet hands.

- Otherwise, it may cause a fire or electrical shock.

Do not open the suction inlet of the indoor/outdoor unit during operation.

- Otherwise, it may electrical shock and failure.

Do not allow water to run into electrical parts.

- Otherwise, it may cause the failure of machine or electrical shock.

Never touch the metal parts of the unit when removing the filter.

- They are sharp and may cause injury.

Do not step on the indoor/outdoor unit and do not put anything on it.

- It may cause an injury through dropping of the unit or falling down.

When the product is submerged into water, always contact the service center.

- Otherwise, it may cause a fire or electrical shock.

Take care so that children may not step on the outdoor unit.

- Otherwise, children may be seriously injured due to falling down.

The appliance shall be stored so as to prevent mechanical damage from occurring.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

LEAK DETECTION SYSTEM installed. Unit must be powered except for service. This unit is equipped with a refrigerant leak detector for safety. To be effective, the unit must be electrically powered at all times after installation, other than when servicing.

Service & Installation

Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

Presence of fire extinguisher

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

No ignition sources

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.

All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out.

The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.

At all times the manufacturer’s maintenance and service guidelines shall be followed. If in doubt consult the manufacturer’s technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed
- The ventilation machinery and outlets are operating adequately and are not obstructed
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected
- Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

Checks to the area

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- Capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- No live electrical components and wiring are exposed while charging, recovering or purging the system.
- Continuity of earth bonding

Repairs to sealed components

Sealed electrical components shall be replaced.

Repair to intrinsically safe components

Intrinsically safe components must be replaced.

Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

Leak detection methods

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration.(Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

NOTE

- Examples of leak detection fluids are.
  - Bubble method.
  - Fluorescent method agents.

If a leak is suspected, all naked flames shall be removed / extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to removal and evacuation procedure.

Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.

The following procedure shall be adhered to:

- Safely remove refrigerant following local and national regulations;
- Evacuate;
- Purge the circuit with inert gas (optional for A2L);
- Evacuate (optional for A2L);
- Continuously flush or purge with inert gas when using flame to open circuit; and
- Open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.

Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be

available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept in an appropriate position according to the instruction.
- Ensure that the refrigerating system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigerating system.

Prior to recharging the system, it shall be pressure tested with the appropriate purging gas.

The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended good practice that all refrigerants are recovered safely.
Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant.

It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:

- Mechanical handling equipment is available, if required, for handling refrigerant cylinders
- All personal protective equipment is available and being used correctly
- The recovery process is supervised at all times by a competent person
- Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders. (No more than 80 % volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigerating system unless it has been cleaned and checked.

Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.

The label shall be dated and signed.

Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.

Ensure that the correct number of cylinders for holding the total system charge is available.

All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).

Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order.

Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant.

If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order.

Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged.

Do not mix refrigerants in recovery units and especially not in cylinders.

If compressor or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.

The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process.

When oil is drained from a system, it shall be carried out safely.

⚠ CAUTION

Installation

Install the drain hose to ensure that drain can be securely done.

- Otherwise, it may cause water leakage.

Install the product so that the noise or hot wind from the outdoor unit may not cause any damage to the neighbors.

- Otherwise, it may cause dispute with the neighbors.

Always inspect gas leakage after the installation and repair of product.

- Otherwise, it may cause the failure of product.

Keep level parallel in installing the product.

- Otherwise, it may cause vibration or water leakage.

Do not install the unit in potentially explosive atmospheres.

The installation of pipe-work shall be kept to a minimum.

Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.

When mechanical connectors are reused indoors, sealing parts shall be renewed.

When flared joints are reused indoors, the flare part shall be re-fabricated.

Operation

Avoid excessive cooling and perform ventilation sometimes.

- Otherwise, it may do harm to your health.

Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.

- The appearance of the air conditioner may deteriorate, change color, or develop surface flaws.

Do not use an appliance for special purposes such as preserving animals vegetables, precision machine, or art articles.

- Otherwise, it may damage your properties.

Do not place obstacles around the flow inlet or outlet.

- Otherwise, it may cause the failure of appliance or an accident.

This appliance is not intended for the purposes of cooling INFORMATION TECHNOLOGY EQUIPMENT

Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Service

Servicing shall be performed only as recommended by the manufacturer.

PRIOR TO OPERATION

Preparing for operation

1. Contact an installation specialist for installation.
2. Use a dedicated circuit.

Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.
4. While using the remote control, refer the user manual of that particular remote controller.

Cleaning and maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

Service

For repair and maintenance, contact your authorized service dealer.

⚠ PRECAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- Contact an installation specialist for installation of this unit.
- The air conditioner is not intended for use by young children or disabled individuals without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord needs to be replaced, replacement work should be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

READ THIS MANUAL

Inside you will find many helpful hints on how to properly use and maintain your air conditioner. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

FOR YOUR RECORDS

Write the model and serial numbers here.

Model	
Serial	

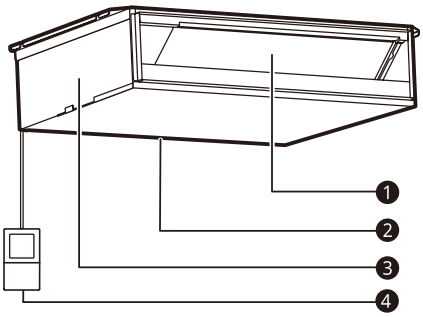
You can find them on a label on the side of each unit.

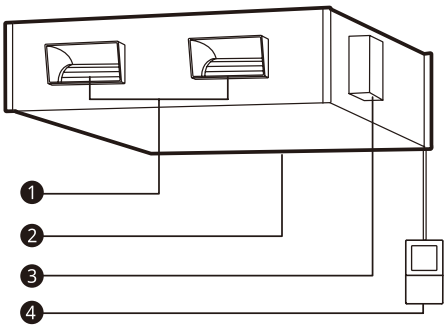
Dealer's Name	
Date Purchased	

OPERATION

Parts and Functions

Indoor Unit

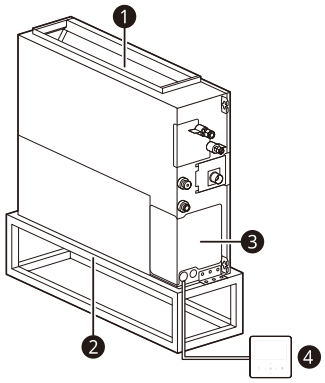




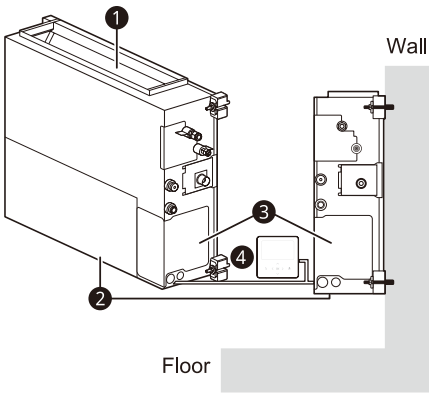
Only MA chassis – Vertical installation (Option)

*You must purchase the optional parts in order to install product vertically.

Case 1. Installation on the floor



Case 2. Installation on the wall



❶ Air Outlet Vents
❷ Air Intake Vents
❸ Control Box
❹ Wired Remote Controller (Accessory)

NOTE

- The features may differ based on the type of model.
- Use time delay fuses only. Check the fuses specification with the circuit label affixed to the control cover.

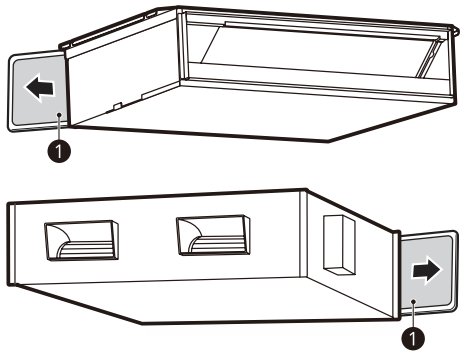
ENGLISH

MAINTENANCE

Cleaning the Air Filter

The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.

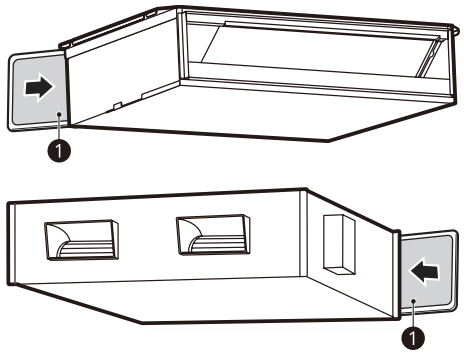
1 Remove the air filters from the indoor unit.
- Hold the tab and pull slightly forward to remove the filter.



2 Clean dirt from the air filter using a vaccum cleaner or washing with water.
- The air filter has become very dirty or clogged, wash with a neutral detergent in lukewarm water.

3 After washing with water, dry thoroughly in the shade.

4 Install the air filter.



❶ Air filters

⚠ CAUTION

- Supply power must be disconnected before cleaning the indoor unit.
- Never use water that is higher than 40 °C (104 °F) when you clean the air filter. It may cause deformation or discolouration.
- Never use volatile substances when you clean the air filter. They may damage the surface of the product.
- When the air filter is to be removed, do not touch the metal parts of the indoor unit. It may cause an injury.

NOTE

- Turn off the appliance before cleaning and wipe with a soft and dry cloth. Do not use bleach or abrasives.
- Do not expose the air filter to direct sunlight or heat from a fire when drying it.
- The feature may be changed according to the type of model.

When air conditioner is not going to be used for a long period of time

1. Operate the air conditioner at the following settings for 2 to 3 hours.
   - Type of operation: Fan operation mode.
   - This will dry out the internal mechanisms.
2. Turn off the breaker.

> **⚠ CAUTION**
>
> - Turn off the breaker when the air conditioner is not going to be used for a long period of time.
>   – Dirt may collect and may cause a fire.

NOTE

- Dust and impurities collected in the air filter may block the air flow or reduce the unit performance.

When using the air conditioner after a long period of non-use

1. Clean the air filter and install it in the indoor unit.
2. Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
3. Check that the ground wire is connected correctly.
   - The ground wire may be connect to the indoor unit side.

Operation Tips

- Do not overcool the room.
  – This is not good for the health and wastes electricity.
- Keep blinds or curtains closed.
  – Do not let direct sunshine enter the room when the air conditioner is in operation.
- Make sure that the doors and windows are shut tight.
  – Avoid opening doors and windows as much as possible to keep the cool air in the room.
- Clean the air filter regularly.
  – Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.
- Ventilate the room occasionally.
  – Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

TROUBLESHOOTING

Before Calling for Service

Check the following before calling for service. If the problem persists, contact an LG Electronics service center(centre) or your dealer.

Symptoms	Possible Causes & Solution
The air conditioner does not operate.	**Have you made a mistake in setting the timer?**
	Has the fuse blown or has the circuit breaker been tripped?
R32 refrigerant leakage detecting system is activated.	**If there are error code such as 228,229 and 230, ventilate the room and contact authorized personnel immediately.**
	If there is an error code of 236, the refrigerant leak detector has a lifetime of less than 6 months. Contact authorized personnel immediately.
The room has a peculiar odor.	**Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.**
It seems that condensation is leaking from the air conditioner.	**Condensation occurs when the airflow from the air conditioner cools the warm room air.**
Air conditioner does not operate for about 3 minutes after restarting.	**This is a protective mechanism.**
	Wait about three minutes and operation will begin.
Does not cool or heat effectively.	**Is the air filter dirty? See air filter cleaning instructions.**
	The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.
	Has the temperature settings been set incorrectly?
	Are the indoor unit's air inlet or outlet vents obstructed?
The air conditioner operation is noisy.	**For a noise that sounds like water flowing.** • This is the sound of freon flowing inside the air conditioner unit.
	For a noise that sounds like compressed air releasing into the atmosphere. • This is the sound of the dehumidified water being processed inside the air conditioning unit.
A cracking sound is heard.	**This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes in temperature.**
Remote control display is faint, or no display at all.	**Are the batteries depleted?**
	Are the batteries inserted in the opposite (+) and (-) directions?

NOTE

- The outdoor side of this appliance is WATER RESISTANT. The indoor side is not water resistant and should not be exposed to excess water.

LIMITED WARRANTY (USA)

The product’s full Limited Warranty terms and conditions and arbitration requirements are available at https://www.lghvac.com

LIMITED WARRANTY (CANADA)

THE PRODUCT'S FULL LIMITED WARRANTY TERMS AND CONDITIONS ARE AVAILABLE AT HTTPS://WWW.LGHVAC.COM

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS THE LAWS OF YOUR PROVINCE OR TERRITORY DO NOT PERMIT THAT, OR, IN OTHER JURISDICTIONS, IF YOU CHOOSE TO OPT OUT. FOR FURTHER CLARITY, THIS ARBITRATION PROVISION IS NOT APPLICABLE TO CUSTOMERS RESIDING IN ONTARIO. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

PROCEDURE FOR RESOLVING DISPUTES:

EXCEPT WHERE PROHIBITED BY LAW, ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. EXCEPT WHERE PROHIBITED AT LAW, YOU AND LG BOTH IRREVOCABLY AGREE TO WAIVE THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION. FOR CLARITY, THIS PROVISION DOES NOT APPLY TO CONSUMERS RESIDING IN ONTARIO.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics Canada, Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LGECI Legal Team at 20 Norelco Drive, North York, Ontario, Canada M9L 2X6 (the "Notice of Dispute"). You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days of LG's receipt of the Notice of Dispute, the dispute shall be resolved by binding arbitration in accordance with the procedure set out herein. You and LG both agree that, during the arbitration proceeding, the terms (including any amount) of any settlement offer made by either you or LG will not be disclosed to the arbitrator until the arbitrator determines the dispute.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after LG's receipt of the Notice of Dispute, you and LG agree to resolve any claims between you and LG only by binding arbitration on an individual basis, unless you opt out as provided below, or you reside in a jurisdiction that prevents full application of this clause in the circumstances of the claims at issue (in which case if you are a consumer, this clause will only apply if you expressly agree to the arbitration). To the extent permitted by applicable law, any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, except to the extent such a prohibition is not permitted at law, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis except to the extent this prohibition is not permitted at law in your province or territory of jurisdiction as it relates to the claims at issue between you and LG. This does not apply to consumers in Ontario. In accordance with provincial legislation, the consumer and LG may agree to resolve the dispute using any procedure available, including commencing the action in the Superior Court of Justice.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be private and confidential, and conducted on a simplified and expedited basis before a single arbitrator chosen by the parties under the provincial or territorial commercial arbitration law and rules of the province or territory of your residence. You must also send a copy of your written demand to LG at LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. This arbitration provision is governed by your applicable provincial or territorial commercial arbitration legislation. For consumers in Ontario, the applicable arbitration legislation only applies if consumers agree to submit the dispute to arbitration. Judgment may be entered on the arbitrator's award in any

court of competent jurisdiction. All issues are for the arbitrator to decide, except that, issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the province or territory of your purchase shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG attorn to the exclusive jurisdiction of the courts of the province or territory of your purchase for the resolution of the claim, action, dispute or controversy between you and LG.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees unless you seek more than $25,000 in damages, in which case the payment of these fees will be governed by the applicable arbitration rules. Except as otherwise provided for herein, LG will pay all filing, administration and arbitrator fees for any arbitration initiated in accordance with the applicable arbitration rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the applicable laws), then the payment of all arbitration fees will be governed by the applicable arbitration rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the applicable arbitration rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for $25,000 or less, you may choose to have the arbitration conducted solely (1) on the basis of documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the applicable arbitration rules. If your claim exceeds $25,000, the right to a hearing will be determined by the applicable arbitration rules. Any in-person arbitration hearings will be held at the nearest, most mutually-convenient arbitration location available within the province or territory in which you reside unless you and LG both agree to another location or agree to a telephonic arbitration.

Severability and Waiver. If any portion of this Limited Warranty (including these arbitration procedures) is unenforceable, the remaining provisions will continue in full force and effect to the maximum extent permitted by applicable law. Should LG fail to enforce strict performance of any provision of this Limited Warranty (including these arbitration procedures), it does not mean that LG intends to waive or has waived any provision or part of this Limited Warranty.

Opt Out. The arbitration provision requires you and LG to resolve disputes by binding arbitration instead of court, unless the laws of your province or territory do not permit that, or, in other jurisdictions, if you choose to opt out. The arbitration provision does not apply to consumers in Ontario.

For individuals that fall within the binding arbitration provisions, you may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out;" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/ca_en/findmodel_serial/).

In the event that you "Opt Out", the law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG agree to attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

Conflict of Terms. In the event of a conflict or inconsistency between the terms of this Limited Warranty and the End User License Agreement ("EULA") in regards to dispute resolution, the terms of this Limited Warranty shall control and govern the rights and obligations of the parties and shall take precedence over the EULA.

MANUEL DE L’UTILISATEUR

CLIMATISEUR



Lisez ce manuel d’utilisation avant d’utiliser l’appareil et conservez-le à portée de main pour référence ultérieure.

TYPE : Conduit

www.lghvac.com
www.lg.com

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CONSIGNES DE SÉCURITÉ

LISEZ TOUTES LES INSTRUCTIONS AVANT L'UTILISATION





Ce symbole indique que cet appareil utilise un fluide frigorigène inflammable. Si le fluide frigorigène fuit et est exposé à une source d'inflammation externe, il y a un risque d'incendie.



Ce symbole indique que le manuel du propriétaire doit être lu attentivement.



Ce symbole indique que le personnel d'entretien doit manipuler cet équipement en se référant au manuel d'installation.



Ce symbole indique que des informations sont disponibles dans le manuel du propriétaire ou le manuel d'installation.

Votre sécurité et celle des autres sont très importantes.

Nous avons joints de nombreux messages importants relatifs à la sécurité dans ce manuel et sur votre appareil. Lisez et respectez toujours ces messages de sécurité.

Ceci est le symbole d'alerte de sécurité.

Ce symbole vous signale les dangers potentiels qui peuvent entraîner des blessures ou la mort.

Tous les messages de sécurité suivront le symbole d'alerte de sécurité et le mot AVERTISSEMENT ou ATTENTION.

AVERTISSEMENT

Le non-respect de ces instructions peut entraîner des blessures graves ou la mort.

ATTENTION

Le non-respect de ces instructions peut entraîner des blessures mineures, ou modérées ou des dommages au produit.

Tous les messages de sécurité vous informeront du danger potentiel, de la façon de réduire les risques de blessures et des risques encourus si les instructions ne sont pas respectées.

CONSIGNES DE SÉCURITÉ IMPORTANTES

⚠ AVERTISSEMENT

Pour réduire tout risque d'explosion, d'incendie, de décès, de choc électrique, de blessures ou de brûlures liées à l'utilisation de ce produit, respectez les précautions de base, y compris :

- Une installation ou des réparations effectuées par des personnes non autorisées peuvent présenter des risques pour vous et les autres.
- L'installation DOIT être conforme aux codes de construction locaux ou, en l'absence de codes locaux, au Code national de l'électricité NFPA 70/ANSI C1-1003, ou édition courante, et au Code canadien de l'électricité, Première partie, CSA C22.1.
- Les informations contenues dans le manuel sont destinées à être utilisées par un technicien qualifié familier avec les procédures de sécurité et équipé avec les outils et instruments de test appropriés.
- Le fait de ne pas lire et de suivre toutes les instructions de ce manuel peut entraîner un mauvais fonctionnement de l'équipement, des dommages matériels, des blessures et/ou la mort.
- Lorsque le cordon d'alimentation doit être remplacé, les travaux de remplacement doivent être effectués par le personnel autorisé en utilisant uniquement des pièces de rechange d'origine.
- Cet appareil n'est pas accessible au grand public. Cet appareil n'est pas destiné à être utilisé par des personnes (y compris les enfants) présentant des capacités physiques, sensorielles ou mentales réduites, ou ne disposant pas de l'expérience et des connaissances requises, à moins d'être supervisées ou instruites à l'utilisation de l'appareil par une personne responsable de leur sécurité. Les enfants doivent être surveillés pour éviter qu'ils jouent avec l'appareil.

Consignes de sécurité importantes

⚠ AVERTISSEMENT

Installation

Contactez le détaillant pour faire installer le climatiseur.

- Une installation incomplète effectuée par vous-même peut entraîner une fuite d'eau, un choc électrique ou un incendie.

Vérifiez sur une base régulière si la base est endommagée, surtout si elle a été utilisée pendant une longue période.

- Cela peut causer des blessures ou des dommages à l'appareil ou à d'autres biens.

Contactez le détaillant pour les réparations, l'entretien et pour la réinstallation du climatiseur.

- Une installation incomplète effectuée par vous-même peut entraîner une fuite d'eau, un choc électrique ou un incendie.

Assurez-vous d'utiliser uniquement des accessoires fabriqués par LG spécifiquement conçus pour une utilisation conforme à l'équipement et faites-les installer par un professionnel.

- Une installation ou une fixation incorrecte de l'équipement ou des accessoires peuvent entraîner un choc électrique, un court-circuit, des fuites, un incendie ou d'autres dommages à l'équipement.

En cas de fuite du gaz réfrigérant, consultez le détaillant. Si vous installez le climatiseur dans une petite pièce, vous devez prendre des mesures appropriées pour que, même en cas de fuite, la quantité de gaz réfrigérant qui a fuit de réfrigérant ne dépasse pas la concentration limite. Si la fuite de gaz réfrigérant dépasse le niveau de concentration limite, un accident lié à un manque d'oxygène peut se produire.

- Il existe un risque d' asphyxie qui pourrait entraîner des blessures graves ou la mort.

N'installez pas l'appareil dans une zone contenant des matériaux inflammables.

- Il existe un risque d'explosion qui pourrait entraîner des blessures graves ou la mort.

Utilisez une pompe à vide ou insérez du gaz (azote) lorsque vous effectuez un test de fuite ou de purge d'air. Ne laissez pas d'air ni quoi que ce soit d'autre. pénétrer dans le circuit du gaz réfrigérant (tuyauterie). N'utilisez jamais de gaz réfrigérants qui ne figurent pas dans les spécifications, sur les étiquettes et dans les manuels.

- Il existe un risque de décès, de blessure, d'incendie ou d'explosion.

Pour l'installation du caisson filtrant UVnano (un système de lampe UV non intégré monté sur conduit approuvé par LG Electronics), contactez toujours le centre de service ou une agence d'installation professionnelle.

- Dans le cas contraire, cela pourrait entraîner une exposition aux rayons ultraviolets (UV) pour les yeux et la peau, un choc électrique ou des blessures.

N'installez pas d'unités intérieures dans les buanderies.

Alimentation

N'essayez pas de réaliser les travaux d'électricité ou de mise à la terre, sauf si vous êtes autorisé à le faire. Consultez le détaillant pour les travaux électriques et les travaux de mise à la terre.

- Il existe un risque.

Ne modifiez pas et le cordon d'alimentation et n'utilisez pas de rallonge.

- Il existe un risque d'incendie ou de choc électrique.

Assurez-vous d'établir un raccordement à la terre.

- Il existe un risque d'incendie ou de choc électrique.

Assurez-vous d'installer un disjoncteur de fuite à la terre.

- Il existe un risque d'incendie ou de choc électrique.

Installez toujours un circuit et un disjoncteur dédiés.

- Un câblage ou une installation incorrects peuvent provoquer un incendie ou un choc électrique.

N'activez pas le disjoncteur ou l'alimentation si le panneau avant, l'armoire, le capot supérieur ou le couvercle du boîtier de commande sont retirés ou ouverts.

- Cela pourrait provoquer un incendie, un choc électrique, une explosion ou la mort.

N'utilisez pas un disjoncteur défectueux ou à tension nominale inférieure. Utilisez cet appareil sur un circuit dédié.

- Il existe un risque d'incendie ou de choc électrique.

Consulter l'installateur pour le nettoyage ou l'entretien. Coupez l'alimentation électrique avant d'effectuer toute opération de nettoyage ou d'entretien.

- Il existe un risque de fuite d'eau, de choc électrique ou de blessures graves.

Veillez à ce que le cordon d'alimentation ne puisse pas être retiré ou endommagé pendant le fonctionnement.

- Il existe un risque d'incendie ou de choc électrique.

Ne placez rien sur le cordon d'alimentation.

- Il existe un risque d'incendie ou de choc électrique.

Ne coupez pas l'alimentation immédiatement après l'arrêt de l'appareil. Attendez toujours au moins cinq minutes avant la mise hors tension.

- Dans le cas contraire, une fuite d'eau peut se produire.

Le branchement des câbles intérieurs et extérieurs doi être fixé solidement et le câble doit être acheminé correctement de sorte qu'il ne soit pas soumis à une traction à partir des bornes de connexion.

- Un branchement inadéquat peut entraîner une surchauffe ou causer un incendie.

Ne touchez pas (manipuler) le produit avec les mains mouillées.

- Il existe un risque de choc électrique.

Il est nécessaire d'installer le bac d'écoulement vertical (kit d'accessoires) lorsque le produit est placé en position verticale.

- Sinon, il y aura une fuite d'eau de drainage, ce qui pourrait entraîner des dommages dangereux.

Utilisation

Assurez-vous de n'utiliser que les pièces répertoriées dans la liste des pièces SVC. Ne tentez jamais de modifier l'appareil.

- L'utilisation de pièces inappropriées peut provoquer un choc électrique ou un incendie.

N'installez pas le climatiseur dans un endroit où un gaz inflammable peut fuir. Si le gaz fuit et reste autour du climatiseur, un incendie peut éclater.

- Il existe un risque d'explosion, d'incendie et de blessures graves.

N'utilisez jamais un aérosol inflammable comme de la laque à cheveux, de la laque ou de la peinture à proximité de l'appareil.

- Un aérosol inflammable peut provoquer un incendie.

Si un équipement utilisant un brûleur est utilisé dans la même pièce que le climatiseur,
il existe un danger de manque d'oxygène, ce qui pourrait entraîner l'asphyxie. Assurez-vous d'aérer suffisamment la pièce pour éviter ce danger.

- Il existe un risque de blessures graves ou de décès.

Ne mettez pas les doigts ni aucun objet dans l'entrée ou la sortie d'air. Ne retirez jamais le capot du ventilateur de l'appareil.

- Le ventilateur tourne à une vitesse élevée et causerait des blessures.

Ne jamais vaporiser ou verser d'eau ou de liquides sur l'appareil.

- Cela pourrait provoquer un incendie, une défaillance du produit, ou un choc électrique.

Ne jamais laisser l'humidité pénétrer l'unité intérieure ou la télécommande.

- L'eau peut provoquer un choc électrique ou un incendie.

Ne laissez pas le climatiseur fonctionner si une porte ou une fenêtre sont ouvertes lorsque l'humidité est élevée. Cela pourrait entraîner une humidité excessive et des dégâts d'eau.

- L'excès d'humidité peut s'accumuler et entraîner des dégâts des eaux sur les murs ou les meubles.

En cas d'anomalies dans le fonctionnement du climatiseur, comme des bruits étranges, de la fumée ou du feu, coupez l'alimentation et contactez immédiatement le détaillant.

- Il existe un risque de blessures graves ou de décès.

Veillez à ce que personne ne puisse marcher ou tomber sur l'unité extérieure.

- Cela pourrait entraîner des blessures et des dommages matériels.

Arrêtez le fonctionnement et fermez toutes les fenêtres en cas de tempête ou d'ouragan. Si possible, retirez le produit de la fenêtre avant que l'ouragan n'arrive.

- Il existe un risque de dommages matériels, de défaillance du produit ou de choc électrique.

Si le produit est trempé (inondé ou submergé), contactez le revendeur agréé.

- Il existe un risque d'incendie ou de choc électrique.

N'utilisez pas le produit dans un espace hermétiquement fermé pendant une longue période.

- Cela entraînerait un manque d'oxygène.

Entretien

Les ailettes de l'échangeur de chaleur sont relativement tranchantes. Pour éviter toute blessure, portez des gants ou couvrez les ailettes lorsque vous travaillez autour d'elles.

Déchirez et jetez les sacs d'emballage en plastique pour que les enfants ne jouent pas avec.

- Les enfants jouant avec des sacs en plastique risquent de mourir par suffocation.

Jetez de façon sécuritaire les matériaux d'emballage. Comme les clous et autres pièces de métal ou de bois.

- Ces matériaux peuvent causer, entre autres, des blessures par perforation.

⚠ ATTENTION

Installation

En cas de fuites de gaz réfrigérant pendant l'installation, aérez immédiatement la zone.

- Une telle fuite peut être nocive pour votre santé.

Vérifiez toujours la présence de fuite de gaz (réfrigérant) après l'installation ou la réparation du produit.

- De faibles niveaux de gaz réfrigérant peuvent provoquer la défaillance du produit.

Maintenez le produit à niveau, même lors de l'installation.

- Cela aidera à éviter les vibrations ou les fuites d'eau.

Soyez toujours au moins deux personnes pour soulever et transporter le produit.

- Cela aidera à éviter les blessures.

Les travaux d'installation doivent être effectués conformément au Code national de l'électricité par du personnel qualifié et agréé.

Ne placez pas d'objets à proximité immédiate de l'unité extérieure. Ne laissez pas les feuilles et autres débris s'accumuler autour de l'appareil. Les feuilles sont un foyer pour les petits animaux, qui peuvent pénétrer dans l'appareil. Une fois à l'intérieur de l'appareil, ces animaux peuvent entraîner son mauvais fonctionnement, et une surchauffe ou un incendie quand ils entrent en contact avec les pièces électriques.

- Il existe un risque d'incendie ou de choc électrique.

N'installez pas le produit dans un endroit où il sera exposé directement au vent de la mer (brouillard salin).

- Cela peut provoquer une corrosion du produit. La corrosion, en particulier sur les ailettes du condenseur et de l'évaporateur, peut provoquer un dysfonctionnement du produit.

Assurez-vous que le tuyau d'évacuation est correctement installé pour évacuer l'eau. Disposez le tuyau de vidange pour assurer un drainage régulier.

- Un drainage incomplet peut conduire à des dégâts d'eau à l'immeuble, au mobilier, etc. Si l'eau n'arrive pas à s'évacuer de la gouttière pendant que le climatiseur ou la pompe à chaleur est en mode de refroidissement, il se peut que le tuyau d'évacuation soit bouché par de la poussière ou de la saleté, ce qui pourrait entraîner une fuite d'eau dans l'unité intérieure. Dans une telle situation, arrêtez le fonctionnement du climatiseur ou de la pompe à chaleur et contactez le détaillant.

N'installez pas l'appareil dans un endroit où le bruit ou l'air chaud de l'unité extérieure pourraient nuire à votre environnement immédiat.

- Un mauvais emplacement pourrait causer des problèmes à vos voisins.

La garantie limitée est nulle et sans effet, et LG n'assumera aucune responsabilité en vertu des présentes envers un client ou un tiers, dans la mesure où l'un ou l'autre des cas suivants se produit : actes, omissions et conduite de tout tiers, y compris, mais sans s'y limiter, à l'installateur et toute réparation, service ou entretien effectués par des personnes non autorisées ou non admissibles.

N'installez pas l'unité dans des atmosphères potentiellement explosives.

Utilisation

En cas de fuite de gaz réfrigérant pendant que l'appareil est en cours de réparation, ne touchez pas le gaz réfrigérant qui s'échappe.

- Le gaz réfrigérant peut provoquer des gelures (brûlure à froid).

N'ajoutez pas d'air ou de gaz autres que le gaz réfrigérant spécifié utilisé dans le système.

- L'air entrant dans le système réfrigérant peut conduire à une forte pression excessive causant des dommages matériels ou des blessures.

Assurez-vous qu'il n'y a pas d'obstacles à proximité de l'unité extérieure. La présence d'obstacles à proximité de l'unité extérieure peut réduire ses performances ou amplifier le son qu'elle produit.

- Cela pourrait causer une défaillance du produit.

N'utilisez le climatiseur à que pour refroidir ou chauffer une pièce afin d'y être confortable. N'utilisez pas cet appareil pour le refroidissement des instruments de précision, des aliments, des plantes, des animaux ou des œuvres d'art.

- Cela conduirait à un risque de dommage ou de perte de biens.

Remplacez toutes les piles de la télécommande par des piles neuves du même type. Ne mélangez pas des piles neuves et anciennes ni différents types de piles.

- Cela conduirait à un risque d'incendie ou d'explosion.

Ne rechargez pas et ne démontez pas les piles. Ne jetez pas les piles au feu.

- Elles peuvent brûler ou exploser.

Si le liquide des piles entre en contact avec votre peau ou vos vêtements, lavez-les à l'eau claire. N'utilisez pas la télécommande si les piles ont fui.

- Les produits chimiques des piles pourraient causer des brûlures ou d'autres dangers pour la santé.

Si vous ingérez le liquide des piles, brossez-vous les dents et consultez un médecin. N'utilisez pas la télécommande si les piles ont fui.

- Les produits chimiques des piles pourraient causer des brûlures ou d'autres dangers pour la santé.

Ne marchez pas et ne posez rien sur le produit. (unités extérieures)

- Cela conduirait à un risque de blessure et de défaillance du produit.

L'appareil n'a pas été conçu pour être utilisé par de jeunes enfants ou des personnes handicapées sans surveillance.

Ne laissez pas un enfant monter sur l'appareil ni y placer un objet. Ne laissez pas les enfants jouer sur l'appareil ou à proximité de ce dernier.

- Une chute peut entraîner des blessures. Si un enfant touche l'appareil négligemment, cela peut entraîner des blessures.

Ne buvez pas l'eau drainée du produit.

- Elle n'est pas potable et pourrait causer de graves problèmes de santé.

Entretien

Contactez le détaillant pour la réparation ou l'entretien.

N'essuyez pas le panneau de commande du contrôleur avec de la benzine, un diluant, des chiffons à poussière chimiques, etc. Le panneau pourrait se décolorer ou le revêtement pourrait se décoller. S'il est très sale, trempez un chiffon dans un détergent neutre dilué dans de l'eau, essorez-le bien et nettoyez le panneau. Puis essuyez-le avec un chiffon sec.

- Il existe un risque d'endommagement des pièces en plastique du produit.

Ne mettez pas les mains ni aucun autre objet dans l'entrée ou la sortie d'air lorsque le produit fonctionne.

- Il y a des pièces pointues et mobiles qui pourraient causer des blessures.

Utilisez un tabouret ou une échelle lors du nettoyage ou de l'entretien du produit.

- Soyez prudent et évitez les blessures.

Ne touchez pas les pièces métalliques du produit lors du retrait du filtre à air. Elles sont très tranchantes !

- Il existe un risque de blessure.

Ne buvez pas l'eau drainée du produit.

- Elle n'est pas potable et pourrait causer de graves problèmes de santé.

Ne faites pas fonctionner le climatiseur lorsque vous utilisez un insecticide fumigène ambiant.

- Cela pourrait entraîner un dépôt de produits chimiques dans l'unité, ce qui pourrait mettre en danger la santé des personnes hypersensibles aux produits chimiques.

Notes pour le guide de sécurité

Installation

Mettez toujours à terre le produit.

- Autrement, vous risquez de provoquer un choc électrique.

Pour l'installation du produit, contactez toujours le centre après-vente ou un service d'installation professionnel.

- Autrement, vous risquez de provoquer un incendie, un choc électrique, une explosion ou des blessures.

Fixez correctement le couvercle de protection des pièces électriques à l'unité intérieure et le panneau de service à l'unité extérieure.

- Si le couvercle de protection des pièces électriques de l'unité intérieure et le panneau de service de l'unité extérieure ne sont pas bien fixés, cela peut provoquer un incendie ou un choc électrique dus à la poussière, à l'eau, etc.

Installez toujours un interrupteur pour fuites d'air et un tableau électrique spécialisé.

- Ne pas le faire peut provoquer un incendie ou un choc électrique.

Ne rangez ni n'utilisez de gaz inflammable ni de combustibles près du climatiseur.

- Autrement, vous risquez de provoquer un incendie ou le mauvais fonctionnement de l'appareil.

Assurez-vous que le cadre d'installation de l'unité extérieure ne soit pas endommagé à cause d'une utilisation prolongée.

- Cela peut provoquer des blessures ou un accident.

Ne démontez ni ne réparez le produit en n'importe quel point.

- Cela peut provoquer un incendie ou un choc électrique.

N'installez pas le produit dans un endroit d'où il puisse tomber.

- Autrement, vous risquez de blesser quelqu'un.

Soyez prudent pendant le déballage et l'installation.

- Les bords aiguisés peuvent provoquer des blessures.

Utilisez une pompe à vide ou un gaz Inerte (azote) lorsque vous faites des essais de fuite ou la purge d'air. Ne compressez pas l'air ou l'oxygène et n'utilisez pas de gaz inflammable. Cela pourrait provoquer un incendie ou une explosion. Risque de décès, de blessure, d'incendie ou d'explosion.

Consultez votre revendeur pour savoir quoi faire en cas de fuite du réfrigérant.
Lorsque le climatiseur est installé dans une petite pièce, il est nécessaire de prendre les mesures appropriées afin que la quantité de réfrigérant en cas de fuite ne dépasse pas la limite de concentration. Autrement, il peut en découler un accident dû au manque d'oxygène.

Procédez à l'installation comme spécifié en prenant en compte le risque de séisme.
Si vous ne le faites pas pendant l'installation, l'unité risque de tomber et de provoquer des accidents.

Assurez-vous qu'un circuit d'alimentation distinct est fourni pour cette unité et que l'installation électrique est effectuée par un technicien qualifié conformément aux lois et réglementations locales, ainsi qu'au présent manuel d'installation. Une alimentation de capacité insuffisante ou une mauvaise installation électrique peuvent entraîner une décharge électrique ou un incendie.

Veillez à éteindre l'unité avant de toucher des pièces électriques.

Assurez-vous que l'intégralité du câblage est sécurisée, que les câbles spécifiés sont utilisés et que les bornes de raccordement et les câbles ne subissent aucune contrainte.

Si le gaz réfrigérant fuit pendant l'installation, ventilez immédiatement la pièce.
Du gaz toxique peut être produit si le gaz réfrigérant entre en contact avec une flamme.

Assurez-vous d'installer un conduit d'alimentation de l'unité et du site traitant l'air pour la circulation vers une seule pièce.

N'entreposez pas ou n'utilisez pas d'essence ou de produits inflammables à proximité de l'appareil.

- Il existe un risque d'incendie, d'explosion, de blessure ou de décès.

Ne pas utiliser d'autres moyens que ceux recommandés par le fabricant pour accélérer le processus de dégivrage ou pour le nettoyage.

L'appareil doit être stocké dans une pièce qui ne contient pas de sources d'infl ammation en fonctionnement continu (par exemple: des fl ammes nues, un appareil à gaz en marche ou un radiateur électrique allumé).

Ne pas percer ou brûler.

Soyez conscient que les réfrigérants peuvent être inodores.

Le fabricant peut fournir d'autres exemples appropriés ou des informations supplémentaires sur l'odeur du réfrigérant.

Les travaux de tuyauterie comprenant le matériel de tuyauterie, l'acheminement des tuyaux et l'installation doivent inclure la protection contre les dommages physiques en fonctionnement et en service, et être conformes aux normes et codes nationaux et locaux, tels que l'ASHRAE 15, l'ASHRAE 15.2, le code mécanique uniforme de l'IAPMO, le code international de la mécanique de l'ICC, ou la CSA B52. Tous les joints sur le terrain doivent être accessibles pour inspection avant d'être couverts ou enfermés.

La zone non ventilée où est installé l'appareil utilisant des réfrigérants inflammables doit être construite de manière à ce qu'en cas de fuite de réfrigérant, celui-ci ne stagne pas au point de créer un risque d'incendie ou d'explosion.

Les joints de réfrigérant fabriqués sur le terrain à l'intérieur doivent faire l'objet d'un essai d'étanchéité. La méthode d'essai doit avoir une sensibilité de 5 grammes par an de réfrigérant ou mieux, sous une pression d'au moins 0,25 fois la pression maximale admissible. Aucune fuite ne doit être détectée.

Si des appareils raccordés par un système de

conduits d'air à une ou plusieurs pièces contenant des RÉFRIGÉRANTS A2L sont installés dans une pièce d'une superficie inférieure à Amin, telle que déterminée dans la norme, cette pièce doit être dépourvue de flammes nues en fonctionnement continu (par exemple, un appareil à gaz en fonctionnement) ou d'autres SOURCES D'INFLAMMATION POTENTIELLES (par exemple, un chauffage électrique en fonctionnement, des surfaces chaudes). Un dispositif produisant des flammes peut être installé dans le même espace s'il est équipé d'un dispositif efficace de protection contre les flammes.

Après l'achèvement de la tuyauterie de terrain pour les systèmes divisés, la tuyauterie de terrain doit être soumise à un essai de pression avec un gaz inerte, puis à un essai de vide avant la charge de réfrigérant, conformément aux exigences suivantes

- La pression d'essai minimale pour le côté bas du système doit être la pression de calcul du côté bas et la pression d'essai minimale pour le côté haut du système doit être la pression de calcul du côté haut, sauf si le côté haut du système ne peut être isolé du côté bas du système, auquel cas l'ensemble du système doit être soumis à un essai de pression à la pression de calcul du côté bas.
- La pression d'essai après suppression de la source de pression doit être maintenue pendant au moins 1 h sans diminution de la pression indiquée par le manomètre d'essai, la résolution du manomètre d'essai ne dépassant pas 5 % de la pression d'essai.
- Pendant l'essai d'évacuation, après avoir atteint un niveau de vide spécifié dans le manuel ou inférieur, le système de réfrigération doit être isolé de la pompe à vide et la pression ne doit pas dépasser 1 500 microns en l'espace de 10 minutes. Le niveau de pression du vide doit être spécifié dans le manuel et correspondre à la valeur la plus faible entre 500 microns et la valeur requise pour la conformité aux codes et normes nationaux et locaux, qui peut varier en fonction des bâtiments résidentiels, commerciaux ou industriels.

Qualification des travailleurs

Le manuel doit contenir des informations spécifiques sur la qualification requise du personnel pour les opérations de maintenance, d'entretien et de réparation.Toute procédure de travail ayant une incidence sur les moyens de sécurité ne doit être exécutée que par une personne qualifiée par le fabricant.

Les exemples de telles procédures de travail sont les suivants :

- la pénétration dans le circuit frigorifique ;
- l'orifice de composants scellés ;
- l'orifice d'enceintes ventilées.

Le tube réfrigérant doit être protégé ou fermé pour éviter tout dommage.

Les connecteurs de réfrigérant flexibles (tels que les lignes de raccordement entre l'unité intérieure et extérieure) qui peuvent être déplacés pendant les opérations normales doivent être protégés des dommages mécaniques.

Un raccord brasé, soudé ou mécanique doit être fait avant d'ouvrir les vannes pour permettre au réfrigérant de circuler entre les pièces du système de réfrigération.

Garder les ouvertures de ventilation requises dégagées d'obstacles

Les connexions mécaniques (les raccords mécaniques ou les joints évasés) doivent être accessibles aux fins de maintenance.

Les éléments de tuyauterie flexibles doivent être protégés contre les dommages mécaniques, les contraintes excessives dues à la torsion ou à d'autres forces. Ils doivent être contrôlés chaque année pour vérifier qu'ils ne sont pas endommagés mécaniquement.

Les dispositifs de protection, les tuyauteries et les raccords doivent être protégés autant que possible contre les effets néfastes de l'environnement, par exemple le risque d'accumulation et de gel de l'eau dans les tuyaux de décharge ou l'accumulation de saletés et de débris.

Des précautions doivent être prises pour éviter que les tuyauteries frigorifiques ne subissent des vibrations ou des pulsations excessives.

Les tuyauteries des systèmes frigorifiques doivent être conçues et installées de manière à réduire au minimum la probabilité que les chocs hydrauliques endommagent le système.

Des dispositions doivent être prises pour permettre la dilatation et la contraction des longs tronçons de tuyauterie.

Les tuyaux et les composants en acier doivent être protégés contre la corrosion par un revêtement antirouille avant l'application de tout isolant.

Les conduits raccordés à un appareil ne doivent pas contenir de source d'inflammation potentielle

l'air soufflé et l'air repris doivent être directement acheminés vers l'espace.

Les zones ouvertes telles que les faux plafonds ne doivent pas être utilisées comme gaines de reprise d'air.

Seuls les dispositifs auxiliaires approuvés par le fabricant de l'appareil ou déclarés adaptés au réfrigérant doivent être installés dans les conduits de raccordement.

Les dispositifs auxiliaires susceptibles de constituer une source potentielle d'inflammation ne doivent pas être installés dans les conduits. Des exemples de telles sources potentielles d'inflammation sont les surfaces chaudes dont la température dépasse 700 °C et les dispositifs de commutation électrique.

Pour les appareils raccordés à des conduits, les faux plafonds ou les plafonds suspendus peuvent être utilisés comme plénum de reprise d'air si un SYSTÈME DE DÉTECTION DES REFRIGÉRANTS est installé dans l'appareil et si tous les raccordements externes sont également équipés d'un capteur immédiatement sous le joint du plénum de reprise d'air.

Câblage

L'électricité à haute tension est nécessaire pour faire fonctionner ce système. Fiez-vous aux normes de construction applicables : le National Electrical Code (NEC) aux États-Unis et au Mexique, le Code canadien de l'électricité (CE) au Canada et les présentes instructions lorsque vous faites le câblage.

- Des raccordements incorrects et une mise à la terre inadéquate peuvent causer des blessures accidentelles ou la mort.

Assurez-vous de toujours effectuer la mise à la terre de l'appareil conformément aux normes locales, régionales et nationales.

- Il y a risque d'incendie, d'électrocution, de blessure corporelle ou de mort.

Établissez convenablement le calibre de tous les disjoncteurs ou fusibles.

- Il y a risque d'incendie, d'électrocution, d'explosion, de blessure corporelle ou de mort.

Les informations contenues dans ce manuel sont destinées à être utilisées par un technicien qualifié qui connaît bien le NEC aux États-Unis et au Mexique ou le CE au Canada et qui possède les outils et les instruments de test adéquats.

- Le non-respect de l'une ou l'autre des instructions contenues dans ce manuel peut entraîner un dysfonctionnement de l'équipement, des dommages matériels, des blessures corporelles ou la mort.

Consulter les codes locaux, provinciaux et fédéraux et utiliser des câbles d'alimentation de capacité et de courant nominal suffisants.

- Des câbles trop petits peuvent générer de la chaleur et provoquer un incendie.

Toute installation de nature électrique doit être effectuée par un électricien certifié, conformément aux normes de construction locales; ou à défaut de normes locales, au NEC aux États-Unis et au Mexique ou au CE au Canada, et en suivant les instructions contenues dans ce manuel.

- Si la capacité de la source d'alimentation est insuffisante ou si les travaux d'électricité ne sont pas effectués correctement, il peut en résulter un incendie, une électrocution, des blessures corporelles ou la mort.

Sécurisez tous les raccordements extérieurs avec un réducteur de tension de câble approprié.

- La mauvaise fixation des câbles créera une tension excessive sur les fiches d'alimentation de l'équipement. Des raccordements inadéquats peuvent générer de la chaleur, causer un incendie et des blessures corporelles, voire la mort.

Serrez fermement toutes les fiches d'alimentation.

- Un câblage mal raccordé peut surchauffer aux points de raccordement et provoquer un incendie, des blessures corporelles ou la mort.

⃠ Ne modifiez pas les paramètres des dispositifs de protection.

- Si le pressostat, le thermocontact ou tout autre dispositif de protection est contourné ou forcé de fonctionner incorrectement, ou si des pièces autres que celles spécifiées par LG sont utilisées, il y a risque d'incendie, d'électrocution, d'explosion, de blessures corporelles ou de mort.

L'appareil doit être installé conformément aux réglementations de câblage nationales.

Les moyens de déconnexion doivent être incorporés dans lecâblage fixe conformément aux dispositions de câblage.

Si le cordon d'alimentation est endommagé, il doit être remplacé par le fabricant, son prestataire de service ou un technicien qualifié afin d'éviter tout danger.

REMARQUE

- ⃠ N'alimentez pas l'appareil avant d'avoir terminé le raccordement électrique, le raccordement des commandes, la tuyauterie, l'installation et l'évacuation du circuit frigorifique.

Fonctionnement

Débranchez l'unité si vous constatez la présence de bruits étranges, d'odeurs ou de fumée provenant de l'appareil.

- Autrement, vous risquez de provoquer un incendie ou un choc électrique.

Évitez le contact avec des flammes.

- Autrement, vous risquez de provoquer un incendie.

A l'occasion, débranchez la fiche d'alimentation, en la prenant par la tête, et ne la touchez pas avec les mains mouillées.

- Autrement, vous risquez de provoquer un incendie ou un choc électrique.

N'ouvrez pas l'ouverture d'aspiration de l'unité intérieure/extérieure en cours de fonctionnement.

- Autrement, vous risquez de provoquer un choc électrique ou un mauvais fonctionnement.

Ne permettez pas que de l'eau entre en contact avec les pièces électriques.

- Autrement, vous risquez de provoquer le mauvais fonctionnement de l'appareil ou un choc électrique.

Ne touchez jamais les pièces métalliques de l'unité lorsque vous retirez le filtre.

- Elles sont aiguisées et peuvent provoquer des blessures.

Ne montez sur l'appareil ni n'y placez aucun objet.

- Autrement, vous risquez de vous blesser en tombant de l'appareil.

Contactez le service après-vente si le produit est submergé dans l'eau.

- Autrement, vous risquez de causer un incendie ou un choc électrique.

Veillez à ce que les enfants ne montent pas sur l'unité extérieure.

- Autrement, ils risquent d'être sérieusement blessés en tombant.

L'appareil doit être stocké de manière à éviter tout dommage mécanique.

Cet appareil n'est pas destiné à être utilisé par des personnes (y compris des enfants) souffrant de déficience physique, sensorielle ou mentale, ou manquant d'expérience et de connaissances, à moins qu'elles ne soient accompagnées ou qu'elles aient reçu des instructions relatives à l'utilisation de l'appareil de la part d'une personne responsable de leur sécurité. Surveillez les enfants afin qu'ils ne jouent pas avec l'appareil.

Installation d'un SYSTÈME DE DÉTECTION DES FUITES. L'unité doit être alimentée sauf pour l'entretien. Cet appareil est équipé d'un détecteur de fuite de réfrigérant pour des raisons de sécurité. Pour être efficace, l'appareil doit être alimenté en électricité à tout moment après l'installation, sauf lors de l'entretien.

Service & Installation

Contrôles dans la région

Avant de commencer à travailler sur des systèmes contenant des réfrigérants inflammables, des contrôles de sécurité sont nécessaires pour s'assurer que le risque d'inflammation est minimisé. Pour la réparation du système de réfrigération, les précautions suivantes doivent être respectées avant d'effectuer des travaux sur le système.

Procédure de travail

Les travaux doivent être entrepris selon une procédure contrôlée afin de minimiser le risque de présence de gaz ou de vapeur inflammables pendant l'exécution des travaux.

Zone de travail générale

Tout le personnel de maintenance et les autres personnes travaillant dans la zone locale doivent être informés de la nature des travaux en cours. Les travaux dans des espaces confinés doivent être évités.

Vérification de la présence de réfrigérant

La zone doit être vérifiée avec un détecteur de réfrigérant approprié avant et pendant les travaux, pour s'assurer que le technicien est au courant des atmosphères potentiellement inflammables. Assurez-vous que l'équipement de détection des fuites utilisé est adapté à une utilisation avec des réfrigérants inflammables, c'est-à-dire sans étincelles, correctement scellés ou intrinsèquement sûrs.

Présence d'extincteur

Si des travaux à chaud doivent être effectués sur l'équipement de réfrigération ou sur toute pièce connexe, un équipement d'extinction d'incendie approprié doit être disponible à portée de main. Avoir un extincteur à poudre sèche ou à CO_2 adjacent à la zone de charge.

Aucune source d'inflammation

Aucune personne effectuant des travaux en relation avec un système de réfrigération qui implique d'exposer des tuyauteries utilisera des sources d'inflammation de manière à entraîner un risque d'incendie ou d'explosion.

Toutes les sources d'inflammation possibles, y compris le tabagisme, doivent être maintenues suffisamment éloignées du site d'installation, de réparation, de retrait et d'élimination, pendant lesquelles un réfrigérant peut éventuellement être libéré dans l'espace environnant. Avant de commencer les travaux, la zone autour de l'équipement doit être inspectée pour s'assurer qu'il n'y a pas de risques de matériaux inflammables ou de risques d'inflammation. Des panneaux « Interdiction de fumer » doivent être affichés.

Zone ventilée

Assurez-vous que la zone est à l'air libre ou bien ventilée avant de pénétrer dans le système ou d'effectuer des travaux à chaud. Une certaine ventilation doit se poursuivre pendant la durée des travaux. La ventilation doit disperser en toute sécurité tout réfrigérant libéré et, de préférence, l'expulser à l'extérieur dans l'atmosphère.

Contrôles de l'équipement de réfrigération

Lorsque des composants électriques sont modifiés, ils doivent être adaptés à l'usage prévu et aux spécifications correctes. En tout temps, les directives de maintenance et d'entretien du fabricant doivent être suivies. En cas de doute, consultez le service technique du fabricant pour obtenir de l'aide.
Les contrôles suivants doivent être appliqués aux installations utilisant des réfrigérants inflammables :

- La charge de réfrigérant réelle est en fonction de la taille de la pièce dans laquelle les pièces contenant du réfrigérant sont installées
- Les équipements et bouches de ventilation fonctionnent de manière adéquate et ne sont pas obstrués
- Si un circuit de réfrigération indirecte est utilisé, le circuit secondaire doit être vérifié pour la présence de réfrigérant
- Le marquage sur l'équipement continue d'être visible et lisible. Les marquages et signes illisibles doivent être corrigés
- Les tuyaux de réfrigération ou les composants sont installés dans une position où ils sont peu susceptibles d'être exposés à une substance qui peut corroder les composants contenant du réfrigérant, à moins que les composants ne soient constitués de matériaux qui sont intrinsèquement résistants à la corrosion ou sont protégés de manière appropriée contre la corrosion.

Contrôles des appareils électriques

La réparation et l'entretien des composants électriques doivent comprendre des vérifications de sécurité initiales et des procédures d'inspection des composants. S'il existe un défaut qui pourrait compromettre la sécurité, aucune alimentation électrique ne doit être connectée au circuit jusqu'à ce qu'il soit traité de manière satisfaisante. Si le défaut ne peut pas être corrigé immédiatement mais qu'il est nécessaire de continuer à fonctionner, une solution temporaire adéquate doit être utilisée. Cela doit être signalé au propriétaire de l'équipement afin que toutes les parties soient informées.

Les contrôles de sécurité initiaux doivent comprendre :

- Les condensateurs sont déchargés : cela doit être fait de manière sûre pour éviter la possibilité d'étincelles.
- Aucun composant électrique et câblage sous

tension ne sont exposés pendant la charge, la récupération ou la purge du système.
- Continuité de la liaison à la terre

Réparation de composants scellés

Les composants électriques scellés doivent être remplacés.

Réparation de composants à sécurité intrinsèque

Les composants à sécurité intrinsèque doivent être remplacés.

Câblage

Vérifiez que le câblage ne sera pas soumis à l'usure, à la corrosion, à une pression excessive, aux vibrations, aux arêtes vives ou à tout autre effet environnemental négatif. Le contrôle doit également prendre en compte les effets du vieillissement ou des vibrations continues provenant de sources telles que les compresseurs ou les ventilateurs.

Détection de réfrigérants inflammables

En aucun cas, les sources potentielles d'allumage ne peuvent être utilisées dans la recherche ou la détection des fuites de réfrigérant. Une torche aux halogénures (ou tout autre détecteur utilisant une flamme nue) ne doit pas être utilisée.

Méthodes de détection des fuites

Les méthodes de détection des fuites suivantes sont considérées comme acceptables pour tous les systèmes de réfrigération. Les détecteurs de fuites électroniques peuvent être utilisés pour détecter les fuites de réfrigérant mais, dans le cas des RÉFRIGÉRANTS INFLAMMABLES, la sensibilité peut ne pas être adéquate ou nécessiter un ré-étalonnage. (L'équipement de détection doit être étalonné dans une zone exempte de réfrigérant).

Assurez-vous que le détecteur n'est pas une source potentielle d'inflammation et qu'il est adapté au réfrigérant utilisé. L'équipement de détection des fuites doit être paramétré à un pourcentage de LII du réfrigérant et doit être étalonné sur le réfrigérant utilisé et le pourcentage approprié de gaz (25 %maximum) est confirmé. Les liquides de détection des fuites conviennent également à la plupart des réfrigérants, mais l'utilisation de détergents contenant du chlore doit être évitée car le chlore peut réagir avec le réfrigérant et corroder le tube de cuivre.

REMARQUE

- Voici quelques exemples de fluides de détection de fuites
  - Méthode des bulles
  - Agents de la méthode fluorescente

Si une fuite est suspectée, toutes les flammes nues doivent être éliminées / éteintes.

Si une fuite de réfrigérant est détectée et qu'elle nécessite un brasage, tout le réfrigérant doit être récupéré du système ou isolé (au moyen de vannes d'arrêt) dans une partie du système loin de la fuite. Le retrait du réfrigérant doit être effectué conformément à la procédure de retrait et d'évacuation.

Enlèvement et évacuation

Lors de la rupture du circuit de réfrigérant pour effectuer des réparations – ou à toute autre fin – des procédures conventionnelles doivent être utilisées. Cependant, pour les réfrigérants inflammables, il est important que les meilleures pratiques soient suivies, car l'inflammabilité est un facteur à prendre en considération.

La procédure suivante doit être respectée :
- Éliminez le réfrigérant en toute sécurité conformément aux réglementations locales et nationales ;
- Évacuez ;
- Purgez le circuit avec un gaz inerte (facultatif pour A2L) ;
- Évacuez (facultatif pour A2L) ;
- Rincez ou purgez continuellement avec un gaz inerte lors de l'utilisation d'une flamme pour ouvrir le circuit ; et
- Ouvrez le circuit.

La charge de réfrigérant doit être récupérée dans les bouteilles de récupération appropriées si la ventilation n'est pas autorisée par les codes locaux et nationaux. Pour les appareils contenant des réfrigérants inflammables, le système doit être purgé avec de l'azote exempt d'oxygène afin de rendre l'appareil sûr pour les réfrigérants inflammables. Ce processus pourrait être répété plusieurs fois. L'air comprimé ou l'oxygène ne doivent pas être utilisés pour purger les systèmes de réfrigération.

Pour les appareils contenant des réfrigérants inflammables, la purge des réfrigérants doit être réalisée en rompant le vide dans le système avec de l'azote exempt d'oxygène et en continuant à le remplir jusqu'à ce que la pression de service soit atteinte, puis en le ventilant dans l'atmosphère et enfin en le ramenant au vide (facultatif pour A2L). Ce processus doit être répété jusqu'à ce qu'il n'y ait plus de réfrigérant dans le système (facultatif pour A2L). Lorsque la charge d'azote exempt d'oxygène finale est utilisée, le système doit être ventilé jusqu'à la pression atmosphérique afin de permettre le travail. La sortie de la pompe à vide ne doit pas être proche de sources d'inflammation potentielles et une ventilation doit être disponible.

Procédures de facturation

En plus des procédures de charge conventionnelles, les exigences suivantes doivent être respectées.
- S'assurer qu'aucune contamination des différents réfrigérants ne se produit pas lors de l'utilisation d'un équipement de chargement. Les tuyaux ou les lignes doivent être aussi courts que possible pour minimiser la quantité de réfrigérant qu'ils contiennent.
- Les bouteilles doivent être maintenues dans une position appropriée, conformément aux instructions.
- Assurez-vous que le système de réfrigération est mis à la terre avant de charger le système avec du réfrigérant.
- Étiquetez le système lorsque la charge est terminée (si ce n'est déjà fait).
- Une attention particulière doit être accordée pour ne pas trop remplir le système de réfrigération.

Avant de recharger le système, il doit être testé sous pression avec le gaz de purge approprié.

Mise hors service

Avant d'effectuer cette procédure, il est essentiel que le technicien soit parfaitement familiarisé avec l'équipement et tous ses détails. Il est recommandé de bonnes pratiques que tous les réfrigérants soient récupérés en toute sécurité.

Avant la réalisation de la tâche, un échantillon d'huile et de réfrigérant doit être prélevé au cas où une analyse serait nécessaire avant la réutilisation du réfrigérant récupéré.

Il est essentiel que l'alimentation électrique soit disponible avant de commencer la tâche.

a) Se familiariser avec l'équipement et son fonctionnement.

b) Isoler le système électriquement.

c) Avant de tenter la procédure, assurez-vous que :

- Si nécessaire, un équipement de manutention mécanique est disponible pour la manipulation des bouteilles de réfrigérant
- Tout l'équipement de protection individuelle est disponible et utilisé correctement
- Le processus de récupération est supervisé à tout moment par une personne compétente
- L'équipement de récupération et les bouteilles sont conformes aux normes appropriées.

d) Pompez le système de réfrigérant, si possible.

e) Si un vide n'est pas possible, faites un collecteur de sorte que le réfrigérant puisse être retiré de diverses parties du système.

f) Assurez-vous que la bouteille est située sur la balance avant que la récupération n'ait lieu.

g) Démarrez la machine de récupération et utilisez-la conformément aux instructions.

h) Ne remplissez pas trop les bouteilles. (Pas plus de 80 % de volume de charge liquide).

i) Ne dépassez pas la pression de service maximale de la bouteille, même temporairement.

j) Une fois les bouteilles correctement remplies et le processus terminé, assurez-vous que les bouteilles et l'équipement sont retirés du site rapidement et que toutes les vannes d'isolement de l'équipement sont fermées.

k) Le réfrigérant récupéré ne doit pas être chargé dans un autre système de réfrigération à moins qu'il n'ait été nettoyé et vérifié.

Étiquetage

L'équipement doit être étiqueté indiquant qu'il a été mis hors service et vidé de réfrigérant.

L'étiquette doit être datée et signée. Assurez-vous qu'il y a des étiquettes sur l'équipement indiquant que l'équipement contient du réfrigérant inflammable.

Récupération

Lors du retrait du réfrigérant d'un système, que ce soit pour l'entretien ou la mise hors service, il est recommandé de suivre les bonnes pratiques pour que tous les réfrigérants soient retirés en toute sécurité. Lors du transfert de réfrigérant dans des bouteilles, assurez-vous que seuls des bouteilles de récupération de réfrigérant appropriés sont utilisées. Assurez-vous que le nombre correct de bouteilles pour supporter la charge totale du système est disponible. Toutes les bouteilles à utiliser sont désignées pour le réfrigérant récupéré et étiquetées pour ce réfrigérant (c'est-à-dire des bouteilles spéciales pour la récupération du réfrigérant).

Les bouteilles doivent être complètes avec soupape de surpression et soupapes d'arrêt associées en bon état de fonctionnement. Les bouteilles de récupération vides sont évacuées et, si possible, refroidies avant la récupération. L'équipement de récupération doit être en bon état de marche avec un ensemble d'instructions concernant l'équipement à portée de main et doit être adapté à la récupération de réfrigérant inflammable. En cas de doute, il convient de consulter le fabricant. En outre, un ensemble de balances étalonnées doit être disponible et en bon état de fonctionnement.

Les tuyaux doivent être complets avec des raccords de sectionnement sans fuite et en bon état. Le réfrigérant récupéré doit être traité conformément à la législation locale dans la bouteille de récupération appropriée et la note de transfert de déchets correspondante doit être arrangée.

Ne mélangez pas les réfrigérants dans les unités de récupération et surtout pas dans les bouteilles. Si des compresseurs ou des huiles de compresseur doivent être retirés, assurez-vous qu'ils ont été évacués à un niveau acceptable pour vous assurer que le réfrigérant inflammable ne reste pas dans le lubrifiant.

Le corps du compresseur ne doit pas être chauffé par une flamme nue ou d'autres sources d'inflammation pour accélérer ce processus. Lorsque l'huile est vidangée d'un système, elle doit être effectuée en toute sécurité.

⚠ MISE EN GARDE

Installation

Installez le raccord de drainage de manière à assurer un drainage convenable.

- Autrement, vous risquez de causer une fuite d'eau.

Installez le produit de sorte que vos voisins ne soient pas dérangés par le bruit ou par le vent chaud venant de l'unité extérieure.

- Autrement, vous risquez de susciter des querelles avec les voisins.

Après l'installation ou la réparation du produit, veillez toujours à vérifier qu'il n'y ait pas de fuite de gaz.

- Autrement, vous risquez de causer le mauvais fonctionnement de l'appareil.

Maintenez le niveau lors de l'installation du produit.

- Autrement, vous risquez de provoquer des vibrations ou une fuite d'eau.

N'installez pas l'unité dans des atmosphères potentiellement explosives.

L'installation des tuyauteries doit être réduite au minimum.

Toute personne impliquée dans un circuit de réfrigérant doit détenir un certificat actuel valide émis par une autorité d'évaluation accréditée par

l'industrie, reconnaissant sa compétence à manipuler les réfrigérants en toute sécurité conformément à une spécification d'évaluation reconnue par l'industrie.

Lorsque des connecteurs mécaniques sont réutilisés à l'intérieur, les pièces d'étanchéité doivent être renouvelées.

Lorsque les joints évasés sont réutilisés à l'intérieur, la partie évasée doit être refaite.

Fonctionnement

Évitez le refroidissement excessif et aérez parfois.

- Autrement, vous risquez de nuire à votre santé.

Utilisez un tissu doux pour nettoyer l'appareil. N'employez ni de cire, ni de diluant ni de détergent fort.

- Autrement, vous risquez de détériorer l'aspect de l'appareil, changer sa couleur ou provoquer des défauts sur sa surface.

N'utilisez pas le produit à des buts particuliers, tels que la préservation d'animaux, de plantes, de dispositifs de précision ou d'objets d'art, etc.

- Autrement, vous risquez d'endommager vos biens.

Ne placez pas d'obstacles autour de l'entrée ou de la sortie du flux d'air.

- Autrement, vous risquez de provoquer le mauvais fonctionnement de l'appareil ou un accident.

Cet appareil n'est pas destiné à refroidir l'ÉQUIPEMENT DE TECHNOLOGIE DE L'INFORMATION

Le service ne doit être effectué que comme recommandé par le fabricant de l'équipement. L'entretien et la réparation requérant l'assistance d'un autre personnel compétent doivent être effectués sous la supervision d'une personne compétente pour l'utilisation de réfrigérants inflammables.

Service

L'entretien ne doit être effectué que selon les recommandations du fabricant de l'équipement.

AVANT LA MISE EN SERVICE

Préparation pour le fonctionnement

1. Contactez un installateur spécialisé pour l'installation.
2. Utilisez un circuit dédié.

Utilisation

1. Une exposition au flux d'air direct pendant une longue période pourrait être dangereuse pour votre santé. N'exposez pas de façon directe les occupants, les animaux, les plantes à un flux d'air pendant de longues périodes.
2. En raison de la possibilité d'un manque d' oxygène, aérez la pièce lorsqu'elle est utilisée conjointement avec des poêles ou d'autres appareils de chauffage.
3. N'utilisez pas ce climatiseur à des fins particulières non spécifiques (par exemple pour la préservation des les appareils de précision, des aliments, des animaux, des plantes, et des objets d'art). Une telle utilisation pourrait endommager ces éléments.
4. Lors de l'utilisation de la télécommande, reportez-vous à son manuel d'utilisation.

Nettoyage et entretien

1. Ne touchez pas les pièces métalliques de l'appareil lors du retrait du filtre. Des blessures peuvent se produire lors de la manipulation des pièces à bords métalliques tranchants.
2. N'utilisez pas d'eau pour nettoyer l'intérieur du climatiseur. L'exposition à l'eau peut détruire l'isolation, conduisant à un éventuel choc électrique.
3. Lors du nettoyage de l'appareil, vérifiez d'abord que l'alimentation et le disjoncteur sont désactivés. Le ventilateur tourne à très haute vitesse lorsqu'il est en fonctionnement. Il existe une possibilité de blessure si l'alimentation de l'appareil est accidentellement déclenchée pendant le nettoyage des pièces internes de l'appareil.

Service

Pour les réparations et l'entretien, contactez votre fournisseur de service autorisé.

⚠ PRÉCAUTION

- Contactez un revendeur agréé pour la réparation ou l'entretien de cet appareil.
- Contactez un installateur spécialisé pour l'installation de cet appareil.
- Le climatiseur n'a pas été conçu pour être utilisé par de jeunes enfants ou des personnes handicapées sans surveillance.
- Les jeunes enfants doivent être surveillés pour éviter qu'ils jouent avec le climatiseur.
- Lorsque le cordon d'alimentation doit être remplacé, les travaux de remplacement doivent être effectués par le personnel autorisé en utilisant uniquement des pièces de rechange d'origine.
- Les travaux d'installation doivent être effectués conformément au Code national de l'électricité par du personnel qualifié et agréé.

LISEZ CE MANUEL

A l'intérieur, vous trouverez de nombreux conseils utiles sur la façon d'utiliser et d'entretenir correctement votre climatiseur. Quelques soins préventifs de votre part peuvent vous faire économiser beaucoup de temps et d'argent tout au long de la durée de vie de votre climatiseur.

Vous trouverez de nombreuses réponses à des problèmes fréquents dans le tableau des conseils de dépannage. Si vous consultez notre tableau détaillant les conseils de dépannage, vous pourriez ne pas avoir besoin d'appeler le service du tout.

POUR VOS DOSSIERS

Écrivez le modèle et le numéro de série ici.

Modèle	
N° de série	

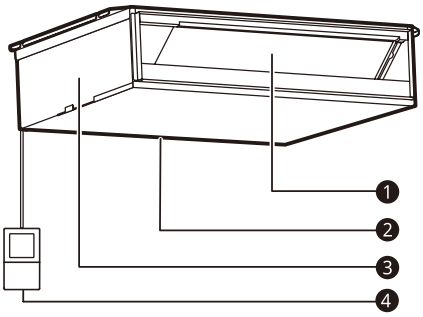
Vous pouvez les trouver sur une étiquette sur le côté de chaque appareil.

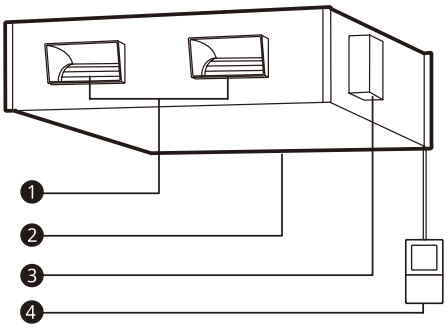
Nom du revendeur	
Date d'achat	

FONCTIONNEMENT

Pièces et fonctions

Appareil intérieur

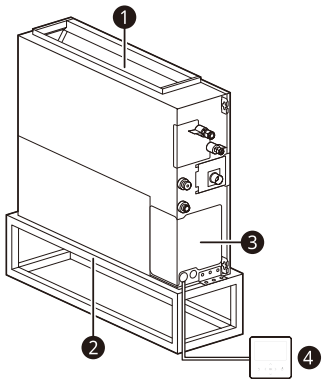




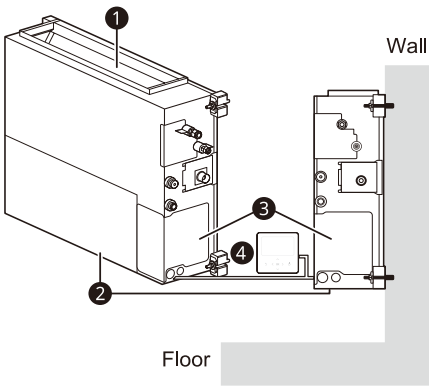
Uniquement châssis MA - Pièces pour l'installation verticale (Option)

Vous devez acheter les pièces optionnelles pour installer le produit verticalement.

Cas n°1 : Installation au sol



Cas n°2 : Installation au mur



❶ Sortie d'air

❷ Entrée d'air

❸ Boîtier de commandes

❹ Télécommande filaire (Accessoire)

REMARQUE

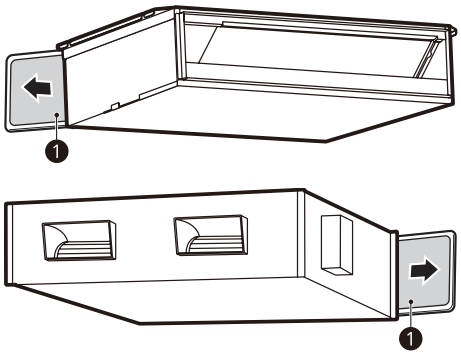
- Les caractéristiques peuvent varier en fonction du type de modèle
- N'utiliser que des fusibles à retardement. Vérifier les caractéristiques des fusibles à l'aide de l'étiquette de circuit apposée sur le couvercle de commande.

ENTRETIEN

Nettoyage du filtre à air

Les filtres à air derrière la grille frontale doivent être vérifiés et nettoyés toutes les 2 semaines ou plus souvent si nécessaire.

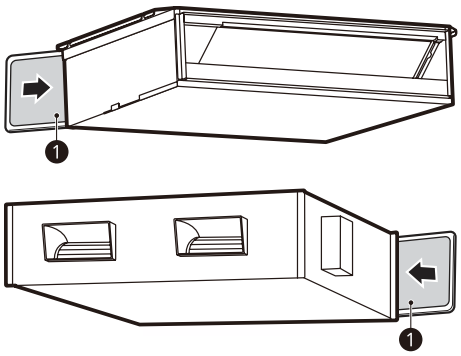
1 Enlever les filtres à air de l'unité intérieure.
- Prendre la languette et tirer légèrement vers l'avant pour retirer le filtre.



2 Nettoyez le filtre à air à l'aide d'un aspirateur ou en le lavant avec de l'eau.
- Le filtre à air est très sale ou encrassé, lavez avec un détergent neutre à l'eau tiède.

3 Après son lavage à l'eau, laissez le filtre sécher à l'ombre.

4 Remettez le filtre à air en place.



❶ Filtres à air

⚠ ATTENTION

- Coupez l'alimentation électrique avant de nettoyer l'unité intérieure.
- Lorsque vous nettoyez le filtre à air, ne jamais utiliser d'eau supérieure à 40 °C (104 °F). Cela peut provoquer une déformation ou une décoloration.
- Ne jamais utiliser de substances volatiles lorsque vous nettoyez les filtres. Cela peut endommager la surface du produit.
- Lorsque vous devez retirer le filtre à air, évitez de toucher les parties métalliques de l'unité intérieure. Vous pourriez vous blesser.

REMARQUE

- Éteignez l'appareil avant le nettoyage et essuyez avec un chiffon doux et sec. N'utilisez pas de javellisant ni de produits abrasifs.
- N'exposez pas le filtre à air aux rayons directs du soleil ou à la chaleur d'un feu pour le sécher.
- Les caractéristiques peuvent être sujètes à modifications en fonction du modèle utilisé.

Lorsque le climatiseur n’est pas utilisé pendant une longue période

1 Faites fonctionner le climatiseur avec les réglages suivants de 2 à 3 heures.
- Type de fonctionnement : Mode de fonctionnement ventilateur.
- Cela sèchera le mécanisme interne.

2 Éteignez le disjoncteur.

> **⚠ ATTENTION**
>
> - Éteignez le disjoncteur lorsque le climatiseur ne sera pas utilisé pendant une longue période.
>   – La saleté peut s'accumuler et provoquer un incendie.

REMARQUE

- La poussière et les impuretés accumulées dans le filtre à air peuvent bloquer la circulation de l’air ou diminuer les performances de l’appareil.

Lors d’une utilisation du climatiseur après une longue période d’arrêt

1 Nettoyez le filtre à air et installez-le dans l'unité intérieure.

2 Vérifiez que l'entrée et la sortie d'air de l'unité intérieure/extérieure ne sont pas bloquées.

3 Assurez-vous que le fil de terre est correctement connecté.
- Le fil de terre peut être relié au côté de l'unité intérieure.

Conseils d'utilisation

- Ne pas trop refroidir la pièce.
  – Le refroidissement est mauvais pour la santé et gaspille l'électricité.
- Gardez les stores ou rideaux fermés.
  – Ne laissez pas le soleil direct entrer dans la pièce lorsque le climatiseur est en marche.
- Assurez-vous que les portes et les fenêtres sont bien fermées.
  – Évitez d'ouvrir les portes et les fenêtres autant que possible pour garder l'air frais dans la pièce.
- Nettoyez le filtre à air régulièrement.
  – Les blocages dans le filtre à air réduisent le débit d'air et les effets de refroidissement et de déshumidification. Nettoyez-le au moins une fois toutes les deux semaines.
- Aérez la pièce de temps en temps.
  – Puisque les fenêtres restent fermées, il peut être bénéfique de les ouvrir et d'aérer la pièce de temps en temps.

DÉPANNAGE

Avant d'appeler le service technique.

Vérifiez les points suivants avant d’appeler l’entretien. Si le problème persiste, contactez un centre de réparation LG Electronics ou votre revendeur.

Symptômes	Causes possibles et solution
Le climatiseur ne fonctionne pas.	**Avez-vous mal réglé la minuterie?**
	Est-ce que le fusible ou le disjoncteur a sauté?
système de détection de fuite de réfrigérant R32 est activé.	**En cas de codes d’erreur tels que 228, 229 et 230, aérez la pièce et contactez immédiatement le personnel autorisé.**
	Si le code d’erreur est 236, la durée de vie du détecteur de fuites de réfrigérant est inférieure à 6 mois. Contactez immédiatement le personnel autorisé.
La pièce a une odeur particulière.	**Assurez-vous que ce n'est pas une odeur d'humidité provenant des murs, du tapis, des meubles ou des articles en tissu présents dans la pièce.**
Il semble que de l’eau dégoutte du climatiseur en raison de la condensation.	**La condensation se produit lorsque le flux d'air du climatiseur refroidit l'air chaud de la pièce.**
Le climatiseur ne fonctionne pas pendant environ 3 minutes après le redémarrage.	**Il s'agit d'un mécanisme de protection.**
	Attendez environ trois minutes et le climatiseur s’activera.
Ne refroidit pas ou ne chauffe pas efficacement.	**Le filtre à air est-il sale? Consultez les instructions de nettoyage du filtre à air.**
	La pièce peut avoir été très chaude lorsque le climatiseur a été allumé. Laissez-lui le temps de se refroidir.
	Les réglages de température sont-ils mal configurés?
	Les entrées ou sorties d’air de l’unité intérieure sont-elles obstruées?
Le fonctionnement du climatiseur est bruyant.	**S’il s’agit d’un bruit qui ressemble à de l'eau qui coule.** • C’est le son du fréon circulant à l'intérieur du climatiseur.
	S’il s’agit d’un bruit qui ressemble à de l’air comprimé se libérant dans l’atmosphère. • C’est le son de la déshumidification en cours de traitement à l’intérieur du climatiseur.
Un craquement se fait entendre.	**Ce bruit est généré par la dilatation/contraction de la grille d'entrée ou de tout autre composant, en raison des variations de température.**
L’écran de la télécommande est de faible luminosité, ou rien ne s’affiche sur l’écran.	**Les piles sont-elles déchargées?**
	Les piles sont-elles insérées dans le sens inverse (+) et (-)?

REMARQUE

- Le côté extérieur de cet appareil est ÉTANCHE. Le côté intérieur n’est pas résistant à l’eau et ne doit pas être exposé à un excès d’eau.

GARANTIE LIMITÉE (CANADA)

LES TERMES ET CONDITIONS COMPLÈTES DE LA GARANTIE LIMITÉE DU PRODUIT SE TROUVENT SUR HTTPS://WWW.LGHVAC.COM

AVIS D'ARBITRAGE: LA PRÉSENTE GARANTIE LIMITÉE CONTIENT UNE DISPOSITION RELATIVE À L'ARBITRAGE STIPULANT QUE VOUS ET LG DEVEZ RÉSOUDRE TOUT DIFFÉREND PAR ARBITRAGE PLUTÔT QUE DEVANT UN TRIBUNAL, À MOINS QUE LES LOIS DE VOTRE PROVINCE OU TERRITOIRE NE LE PERMETTENT PAS OU, DANS LE CAS D'AUTRES JURIDICTIONS, SI VOUS CHOISISSEZ DE VOUS RETIRER. PRÉCISONS QUE CETTE DISPOSITION D'ARBITRAGE N'EST PAS APPLICABLE AUX CLIENTS QUI RÉSIDENT EN ONTARIO. EN ARBITRAGE, LES RECOURS COLLECTIFS ET LES PROCÈS DEVANT JURY NE SONT PAS AUTORISÉS. VEUILLEZ CONSULTER LA SECTION INTITULÉE « PROCÉDURE DE RÈGLEMENT DES DIFFÉRENDS » CI-DESSOUS.

PROCÉDURE DE RÈGLEMENT DE DIFFÉREND:

SAUF LÀ OÙ LA LOI L'INTERDIT, TOUS LES DIFFÉRENDS ENTRE VOUS ET LG DÉCOULANT OU SE RAPPORTANT DE QUELQUE MANIÈRE QUE CE SOIT À CETTE GARANTIE LIMITÉE OU AU PRODUIT SERONT RÉSOLUS EXCLUSIVEMENT PAR ARBITRAGE EXÉCUTOIRE, ET NON DEVANT UN TRIBUNAL DE DROIT COMMUN. SAUF LÀ OÙ LA LOI L'INTERDIT, VOUS ET LG RENONCEZ IRRÉVOCABLEMENT AU DROIT À UN PROCÈS DEVANT JURY ET À INTENTER OU À PARTICIPER À UN RECOURS COLLECTIF. PRÉCISONS QUE CETTE DISPOSITION NE S'APPLIQUE PAS AUX CONSOMMATEURS QUI RÉSIDENT EN ONTARIO.

Définitions. Aux fins du présent article, « LG » désigne LG Electronics Canada inc., ses sociétés mères, filiales et sociétés affiliées, et leurs dirigeants, employés, administrateurs, agents, bénéficiaires, prédécesseurs titulaires des mêmes droits, successeurs, cessionnaires et fournisseurs; « différend » ou « réclamation » désignent tout différend ou litige ou toute réclamation de quelque nature que ce soit (qu'elle soit fondée sur un contrat, délit, statut, règlement, ordonnance, fraude, fausse déclaration ou toute autre théorie juridique ou équitable) liés de quelque manière que ce soit à la vente, à l'état ou au rendement du produit ou à la présente garantie limitée, ou découlant de ceux-ci.

Avis de différend. Dans l'éventualité où vous avez l'intention d'engager une procédure d'arbitrage, vous devez d'abord aviser LG par écrit au moins 30 jours avant le début de l'arbitrage en envoyant une lettre à l'attention de l'équipe juridique de LGECI au 20, Norelco Drive, North York (Ontario), Canada, M9L 2X6 (l'« avis de différend »). Vous et LG acceptez de discuter en toute bonne foi dans le but de régler votre réclamation à l'amiable. L'avis doit indiquer votre nom, adresse et numéro de téléphone, identifier le produit faisant l'objet de la réclamation et décrire la nature de la réclamation ainsi que le redressement demandé. Si vous et LG ne parvenez pas à résoudre le différend dans les 30 jours suivant la réception par LG de l'avis de différend, le différend sera résolu par un arbitrage exécutoire conformément à la procédure décrite dans les présentes. Vous et LG convenez tous deux que, pendant la procédure d'arbitrage, les modalités (y compris tout montant) de toute offre de règlement faite par vous ou LG ne seront pas divulguées à l'arbitre jusqu'à ce que l'arbitre tranche le différend.

Accord sur l'arbitrage exécutoire et renonciation à un recours collectif. À défaut de résoudre le différend au cours de la période de 30 jours suivant la réception par LG de l'avis de différend, vous et LG acceptez de résoudre toute réclamation entre vous et LG uniquement par arbitrage exécutoire sur une base individuelle, à moins que vous choisissiez de vous retirer, comme il est indiqué ci-dessous, ou que vous résidiez dans une province ou un territoire qui empêche la pleine application de cette clause dans les circonstances des réclamations en question (dans ce cas, si vous êtes un consommateur, cette clause ne s'appliquera que si vous acceptez expressément l'arbitrage). Dans la mesure permise par la loi applicable, tout différend entre vous et LG ne doit pas être combiné ou consolidé avec un différend impliquant le produit ou la réclamation de toute autre personne ou entité. Plus précisément, sans limitation de ce qui précède, sauf dans la mesure où une telle interdiction n'est pas permise par la loi, tout différend entre vous et LG ne pourra en aucun cas se poursuivre sous forme de recours collectif ou d'action dérivée. Au lieu de l'arbitrage, l'une ou l'autre des parties peut intenter une demande en justice auprès de la Cour des petites créances, mais cette demande auprès de la Cour des petites créances ne peut être intentée sous forme de recours collectif ou d'action dérivée, sauf dans la mesure où une telle interdiction n'est pas autorisée par la loi dans votre province ou territoire de compétence pour une réclamation en cause entre vous et LG. Cette disposition ne s'applique pas aux consommateurs de l'Ontario. Conformément à la législation provinciale, le consommateur et LG peuvent convenir de résoudre le litige en utilisant toute procédure disponible, y compris l'amorce d'une action devant la Cour supérieure de justice.

Règles et procédures d'arbitrage. Pour engager l'arbitrage d'une réclamation, une demande écrite d'arbitrage

doit être soumise par vous ou LG. L'arbitrage sera privé et confidentiel, et se déroulera sur une base simplifiée et accélérée devant un arbitre unique choisi par les parties en vertu de la loi et des règles provinciales ou territoriales sur l'arbitrage commercial de la province ou du territoire où vous résidez. Vous devez également envoyer une copie de votre demande écrite à LG à l'adresse LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20, Norelco Drive, North York (Ontario), M9L 2X6. Cette disposition relative à l'arbitrage est régie par la législation provinciale ou territoriale applicable en matière d'arbitrage commercial. Pour les consommateurs de l'Ontario, la législation applicable en matière d'arbitrage ne s'applique que si les consommateurs acceptent de soumettre le litige à l'arbitrage. Un jugement peut être rendu sur décision de l'arbitre devant tout tribunal compétent. Toute question doit être tranchée par l'arbitre, à l'exception des questions relatives à la portée et à l'applicabilité de la disposition relative à l'arbitrage et à l'arbitrabilité du différend, qui doivent être tranchées par la cour. L'arbitre est lié par les modalités de cette disposition.

Loi applicable. La loi de votre province ou territoire d'achat régira cette garantie limitée et tout différend entre vous et LG, sauf dans la mesure où cette loi est remplacée ou qu'elle entre en conflit avec la loi fédérale, provinciale ou territoriale applicable. Si l'arbitrage n'est pas autorisé pour régler une réclamation, une poursuite, un différend ou un litige vous opposant à LG, les deux parties s'en remettront à la compétence exclusive des tribunaux de votre province ou territoire d'achat pour le règlement de la réclamation, de la poursuite, du différend ou du litige qui vous oppose.

Coûts/frais. Vous n'avez pas besoin de payer des frais pour engager l'arbitrage. Dès réception de votre demande écrite d'arbitrage, LG réglera rapidement tous les frais de dépôt à l'arbitrage, à moins que vous réclamiez plus de 25 000 $ en dommages-intérêts, et dans ce cas, le paiement de ces frais sera régi par les règles d'arbitrage applicables. Sauf indication contraire aux présentes, LG paiera tous les frais de dépôt, d'administration et d'arbitrage pour tout arbitrage engagé conformément aux règles d'arbitrage applicables et de cette disposition relative à l'arbitrage. Si vous obtenez gain de cause dans l'arbitrage, LG paiera les frais et honoraires de vos avocats, dans la mesure où ils sont raisonnables, en tenant compte de certains facteurs, y compris, mais sans s'y limiter, le montant de l'achat et de la réclamation. Nonobstant ce qui précède, si la loi applicable permet d'accorder une indemnité raisonnable de frais et d'honoraires d'avocats, l'arbitre peut l'accorder dans la même mesure qu'un tribunal. Si l'arbitre estime que votre réclamation ou que la mesure réparatoire demandée dans la réclamation est frivole ou qu'elle se base sur des motifs déplacés (déterminés par les normes énoncées dans les lois applicables), alors le paiement de tous les frais d'arbitrage sera régi par les règles d'arbitrage applicables. Dans un tel cas, vous convenez de rembourser LG pour toutes les sommes déjà versées par l'entreprise, sommes que vous seriez autrement dans l'obligation de payer en vertu des règles d'arbitrage applicables. Sauf indication contraire, LG renonce à tous les droits qu'elle pourrait avoir relativement à la réclamation de frais et honoraires d'avocats si LG prévaut lors de l'arbitrage.

Audiences et emplacement. Si votre réclamation est de 25 000 $ ou moins, vous pouvez choisir que l'arbitrage soit mené seulement (1) sur la base des documents soumis à l'arbitre, (2) par l'intermédiaire d'une audience téléphonique, ou (3) par l'intermédiaire d'une audience en personne, tel qu'il est établi par les règles d'arbitrage applicables. Si votre réclamation est supérieure à 25 000 $, le droit à une audience sera déterminé par les règles d'arbitrage applicables. Toute audience d'arbitrage en personne se tiendra au lieu d'arbitrage le plus proche et le plus pratique pour les deux parties, dans la province ou le territoire où vous résidez, à moins que vous et LG conveniez d'un autre lieu ou d'un arbitrage téléphonique.

Divisibilité et renonciation. Si une partie de la présente garantie limitée (y compris les présentes procédures d'arbitrage) est inapplicable, les autres dispositions resteront pleinement en vigueur dans la mesure maximale autorisée par la loi applicable. Si LG ne parvient pas à faire respecter strictement toute disposition de la présente garantie limitée (y compris les présentes procédures d'arbitrage), cela ne signifie pas que LG a l'intention de renoncer ou a renoncé à toute disposition ou partie de la présente garantie limitée.

Option de retrait. La disposition d'arbitrage stipule que vous et LG devez résoudre tout différend par arbitrage exécutoire plutôt que devant un tribunal, à moins que les lois de votre province ou territoire ne le permettent pas, ou, dans le cas d'autres systèmes juridiques, si vous choisissez de vous retirer. Cette disposition d'arbitrage ne s'applique pas aux consommateurs de l'Ontario.

Pour les personnes qui relèvent des dispositions relatives à l'arbitrage obligatoire, vous pouvez choisir de vous retirer de la présente procédure de résolution des différends. Si vous choisissez de vous retirer, ni vous ni LG ne pouvez obliger l'autre partie à participer à une procédure d'arbitrage. Pour vous retirer, vous devez envoyer un avis à LG dans les 30 jours civils à compter de la date d'achat du produit par le premier acheteur (i) en envoyant un courriel à optout@lge.com avec pour objet : « Retrait de l'arbitrage » ou (ii) en composant le 1 800 980-2973. Vous devez indiquer dans le courriel de retrait ou fournir par téléphone : (a) votre nom et adresse; (b) la date à laquelle le produit a été acheté; (c) le nom de modèle du produit ou le numéro de modèle; et (d) le numéro de série (le numéro de série se trouve (i) sur le produit ou (ii) en ligne en vous rendant au https://www.lg.com/ca_fr trouvermodele_serie/).

Si vous vous prévalez de l'option de retrait, la loi de votre province ou territoire de résidence régira cette garantie limitée et tout litige entre vous et LG, sauf dans la mesure où cette loi est remplacée ou qu'elle entre en conflit avec la loi fédérale, provinciale ou territoriale applicable. Si l'arbitrage n'est pas autorisé pour régler une réclamation, une poursuite, un différend ou un litige vous opposant à LG, les deux parties acceptent de s'en remettre à la compétence exclusive des tribunaux de votre province ou territoire de résidence pour le règlement de la réclamation, de la poursuite, du différend ou du litige qui vous oppose.

Vous pouvez uniquement vous retirer de la procédure de résolution des différends de la manière décrite ci-dessus (c'est-à-dire par courriel ou par téléphone); aucune autre forme d'avis ne sera valable pour vous retirer de la procédure de résolution des différends. Le retrait de cette procédure de résolution des différends n'aura aucune incidence sur la couverture de la garantie limitée, et vous continuerez de profiter de tous les avantages de cette dernière. Si vous conservez ce produit et ne vous retirez pas de la procédure, vous acceptez toutes les conditions de la disposition relative à l'arbitrage décrites ci-dessus.

Conflit de modalités. En cas de conflit ou d'incompatibilité entre les modalités de la présente garantie limitée et du contrat de licence d'utilisateur final (« CLUF ») en ce qui concerne le règlement des différends, les modalités de la présente garantie limitée contrôlent et régissent les droits et obligations des parties et ont préséance sur le CLUF.

MANUAL DEL PROPIETARIO

AIRE ACONDICIONADO



Lea este manual del propietario detenidamente antes de utilizar el dispositivo, y consérvelo para consultarlo en un futuro.

TIPO: conductos

www.lghvac.com
www.lg.com

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INSTRUCCIONES DE SEGURIDAD

LEA TODAS LAS INSTRUCCIONES ANTES DE UTILIZAR EL DISPOSITIVO





Este símbolo indica que este electrodoméstico utiliza un refrigerante inflamable. Existe riesgo de incendio si el refrigerante tiene fugas y queda expuesto a una fuente de ignición exterior.



Este símbolo denota la necesidad de leer atentamente el Manual del propietario.



Este símbolo indica que este equipo sólo debe ser manipulado por personal de servicio que esté familiarizado con el Manual de instalación.



Este símbolo indica que el Manual del propietario o el Manual de instalación contienen la información solicitada.

ESPAÑOL

Su seguridad y la seguridad de los demás es muy importante.

En este manual y en el dispositivo hemos incluido numerosos mensajes de seguridad importantes. Lea y respete todos los mensajes de seguridad en todo momento.



Este es el símbolo de alerta de seguridad.

Este símbolo le avisa de riesgos potenciales que pueden provocar tanto su muerte como la de otras personas.

Todos los mensajes de seguridad seguirán el símbolo de alerta de seguridad y presentarán la palabra ADVERTENCIA o PRECAUCIÓN.

ADVERTENCIA

No seguir estas instrucciones podría provocar fallecimientos o lesiones graves.

PRECAUCIÓN

No seguir estas instrucciones podría provocar lesiones leves o moderadas, o daños en el producto.

Los mensajes de seguridad le indican dónde hay riesgos potenciales, le explican cómo puede reducir el riesgo de lesión y mencionan qué podría ocurrir si no se siguen las instrucciones.

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

⚠ ADVERTENCIA

Con el fin de reducir el riesgo de explosiones, incendios, fallecimientos, descargas eléctricas, lesiones físicas o quemaduras en las personas, siga las precauciones básicas indicadas a continuación:

- La instalación o las reparaciones realizadas por personas no autorizadas pueden suponer un riesgo tanto para usted como para otras personas.
- La instalación DEBE respetar los códigos de edificación local o, en caso de no haber códigos locales, el Código Eléctrico Nacional NFPA 70/ANSI C1-1003 o la versión actual, y la sección 1 del Código Eléctrico de Canadá CSA C22. 1.
- La información que contiene este manual está pensada para que la utilice un técnico de servicio cualificado que esté familiarizado con los procedimientos de seguridad y que cuente con las herramientas y los instrumentos de prueba adecuados.
- No leer y seguir las instrucciones de este manual puede provocar fallos de funcionamiento en el equipo, daños en los bienes inmuebles, lesiones personales o la muerte.
- Cuando sea necesario cambiar el cable de alimentación, el trabajo de sustitución deberá realizarlo personal autorizado utilizando únicamente piezas de repuesto originales.
- Este electrodoméstico no es accesible al público en general. Este dispositivo no está diseñado para que lo utilicen personas (incluidos niños) con capacidades físicas, sensoriales o psíquicas reducidas, o que carezcan de experiencia y conocimiento, a menos que lo hagan bajo supervisión o hayan recibido instrucciones sobre el uso del dispositivo por parte de una persona responsable de su seguridad. Se debe supervisar a los niños para asegurarse de que no juegan con el dispositivo.

Instrucciones de seguridad importantes

⚠ ADVERTENCIA

Instalación

Póngase en contacto con su distribuidor para solicitar la instalación del acondicionador de aire.
- Si realiza usted mismo la instalación de forma incompleta, podrían producirse fugas de agua, descargas eléctricas e incendios.

Revise la base del dispositivo de forma continua, especialmente si se ha utilizado durante un periodo de tiempo prolongado.
- Puede provocar daños lesiones físicas o daños en la unidad o en otros bienes.

Póngase en contacto con su distribuidor para solicitar reparaciones, mantenimientos y reinstalaciones del acondicionador de aire.
- Si realiza usted mismo la instalación de forma incompleta, podrían producirse fugas de agua, descargas eléctricas e incendios.

Asegúrese de utilizar únicamente accesorios fabricados por LG específicamente diseñados para utilizarlos con el dispositivo, y solicite su instalación a un profesional.
- Una instalación o un acople inadecuados del dispositivo o de los accesorios pueden provocar descargas eléctricas, cortocircuitos, fugas, incendios y otros daños en el equipo.

En caso de producirse una fuga de refrigerante, póngase en contacto con su distribuidor. Al instalar el acondicionador de aire en una habitación pequeña se deben tomar las medidas adecuadas para que, si se produce una fuga, la cantidad de refrigerante que se fugue no supere el límite de concentración. Si la fuga de refrigerante supera el límite del nivel de concentración, podría producirse un accidente relacionado con una deficiencia de oxígeno.
- Existe el riesgo de asfixia, lo que podría provocar lesiones físicas graves o incluso la muerte.

No instale la unidad en una zona en la que haya materiales inflamables.
- Existe el riesgo de explosiones que podrían provocar lesiones físicas graves o incluso la muerte.

Utilice una bomba de vacío o inserte gas (nitrógeno) cuando realice una prueba de fugas o una depuración de aire. No permita que el aire y otras sustancias entren en el circuito del refrigerante (tuberías). No utilice nunca refrigerantes no especificados en la etiqueta de especificación y en los manuales.
- Existe riesgo de muerte, lesiones físicas, incendios o explosiones.

Para la instalación de la Caja del filtro UVnano (un sistema no integral de lámparas UV montadas en conductos aprobado por LG Electronics), consulte siempre al centro de servicio técnico o a una agencia de instalación profesional.
- De lo contrario, puede provocar una exposición a la radiación ultravioleta (UV) en los ojos y la piel, descargas eléctricas o lesiones.”

No instale unidades interiores en lavanderías.

Alimentación

Nunca intente realizar los trabajos eléctricos o de conexión a tierra usted mismo, a menos que cuente con la cualificación necesaria para ello. Solicite los trabajos eléctricos o de conexión a tierra a su distribuidor.
- Existen riesgos.

No modifique ni prolongue el cable de alimentación.
- Existe el riesgo de incendios o descargas eléctricas.

Asegúrese de conectar el dispositivo a tierra.
- Existe el riesgo de incendios o descargas eléctricas.

Asegúrese de instalar un disyuntor de derivación a tierra.
- Existe el riesgo de incendios o descargas eléctricas.

Instale siempre un circuito y un disyuntor dedicados.
- Un cableado o una instalación incorrectos pueden provocar incendios o descargas eléctricas.

No encienda el disyuntor ni la alimentación si el panel frontal, la carcasa, la cubierta superior o la cubierta de la caja de controles se han desmontado o abierto.
- De lo contrario se pueden producir incendios, descargas eléctricas, explosiones o incluso la muerte.

No utilice un disyuntor defectuoso o que tenga una capacidad insuficiente. Utilice este dispositivo en un circuito dedicado.
- Existe el riesgo de incendios o descargas eléctricas.

Para las tareas de limpieza o mantenimiento, póngase en contacto con la empresa encargada de la instalación del dispositivo. Apague la alimentación eléctrica antes de realizar tareas de limpieza o mantenimiento.
- Existe el riesgo de fugas de agua, descargas eléctricas o lesiones físicas graves.

Tome la precaución de que el cable de alimentación no pueda sufrir tirones o daños durante el funcionamiento del dispositivo.
- Existe el riesgo de incendios o descargas eléctricas.

No coloque ningún objeto sobre el cable de alimentación.
- Existe el riesgo de incendios o descargas eléctricas.

No apague el dispositivo inmediatamente después de que deje de funcionar. Espere siempre cinco minutos antes de apagar el dispositivo.
- De lo contrario podrían producirse fugas de agua.

Las conexiones de cableado interiores y exteriores se deben conectar con firmeza, y el cable se debe colocar de forma que no esté sometido a tensión de los terminales de conexión.
- Unas conexiones inadecuadas o sueltas pueden provocar la generación de calor o incendios.

No toque (controle) el producto con las manos mojadas.
- Existe el riesgo de descargas eléctricas.

Si se instala el producto en posición vertical, se debe instalar una bandeja de goteo vertical (kit de accesorio).
- De lo contrario, se producirá una fuga de agua de desagüe y podría causar daños peligrosos.

Funcionamiento

Asegúrese de utilizar únicamente las piezas indicadas en la lista de piezas SVC. No intente modificar el dispositivo bajo ningún concepto.
- El uso de piezas inadecuadas puede provocar descargas eléctricas o incendios.

No instale el acondicionador de aire en ningún punto en el que puedan producirse fugas de gas inflamable. Si se produce una fuga de gas y el gas permanece en las proximidades del acondicionador de aire, se podría producir un incendio.
- Existe riesgo de explosiones, incendios y lesiones graves.

Nunca utilice esprays inflamables, como esprays de pelo, laca o pintura, debajo de la unidad.
- Los esprays inflamables pueden provocar un incendio.

Si se utilizan dispositivos con quemadores en la misma habitación que el acondicionador de aire, existe el riesgo de que se produzca una deficiencia de oxígeno que podría derivar en asfixia. Asegúrese de que la habitación esté lo suficientemente ventilada para evitar este riesgo.
- Existe riesgo de una lesión grave o fallecimiento.

No coloque los dedos ni ningún otro objeto en la entrada ni en la salida de aire. Nunca extraiga la protección del ventilador de la unidad.
- El ventilador gira a alta velocidad y puede provocar lesiones físicas.

Nunca rocíe ni vierta agua ni líquidos sobre la unidad.
- Hacerlo puede provocar incendios, fallos del producto o descargas eléctricas.

No permita nunca que la unidad interior o el mando a distancia se mojen.
- El agua puede provocar una descarga eléctrica o un incendio.

No deje que el acondicionador de aire funcione con las puertas o ventanas abiertas un día de mucha humedad. Esto podría provocar un exceso de humedad y daños por agua.
- El exceso de humedad se puede acumular y provocar daños por agua en las paredes o los muebles.

Si se producen anomalías en el funcionamiento del acondicionador de aire, como sonidos extraños, humos o incendios, apague el dispositivo y póngase en contacto inmediatamente con su distribuidor.
- Existe riesgo de una lesión grave o fallecimiento.

Tome las medidas necesarias para asegurarse de que nadie pueda subirse sobre la unidad exterior o caer sobre ella.
- Esto podría provocar lesiones personales y daños en el producto.

En caso de tormenta o huracán, detenga la unidad y cierre todas las ventanas. Si es posible, quite el producto de la ventana antes de la llegada del huracán.
- Existe el riesgo de daños en los bienes inmuebles, fallos del producto o descargas eléctricas.

Si el producto se empapa (se sumerge o se inunda de agua), póngase en contacto con su distribuidor.
- Existe el riesgo de incendios o descargas eléctricas.

No utilice el producto en un espacio muy cerrado durante un periodo de tiempo prolongado.
- Hacerlo podría provocar una deficiencia de oxígeno.

Mantenimiento

Las aletas del intercambiador de calor son bordes finos que pueden cortar. Para evitar lesiones físicas, lleve guantes o cubra las aletas mientras trabaje alrededor de ellas.

Quite y tire las bolsas de embalaje de plástico para que los niños no jueguen con ellas.
- Si los niños juegan con las bolsas de plástico, podrían morir asfixiados.

Deshágase de los materiales de embalaje de forma segura. Los materiales de embalaje como, por ejemplo, los clavos y otras piezas de metal o madera,
- pueden provocar heridas por punción y otras lesiones.

⚠ PRECAUCIÓN

Instalación

Si el gas refrigerante se fuga durante la instalación, ventile la zona de inmediato.
- Una fuga de este tipo puede resultar perjudicial para su salud.

Compruebe siempre si hay fugas de gas (refrigerante) tras la instalación o la reparación del producto.
- Un nivel de refrigerante bajo puede provocar fallos en el producto.

Mantenga el producto nivelado hasta cuando lo instale.
- Esto contribuirá a evitar vibraciones o fugas de agua.

El producto debe ser levantado y transportado por dos o más personas.
- Esto ayudará a evitar lesiones personales.

Las labores de instalación se deben realizar según el Código Eléctrico Nacional y por parte solo de personal cualificado y autorizado.
No coloque objetos directamente junto a la unidad exterior. No deje que hojas y otros restos se acumulen alrededor de la unidad. Las hojas son el ecosistema perfecto para animales pequeños que pueden acceder a la unidad. Si acceden a la unidad, los animales pueden provocar fallos de funcionamiento en la unidad y provocar humo o incendios cuando entran en contacto con las piezas eléctricas.
- Existe el riesgo de incendios o descargas eléctricas.

No instale el producto donde vaya a verse expuesto directamente a la brisa marina (niebla salina).
- Esto puede provocar la corrosión del producto. La corrosión, especialmente en las aletas del condensador y del evaporador, puede provocar fallos de funcionamiento del producto o un funcionamiento poco eficiente.

Asegúrese de que el tubo de drenaje esté correctamente instalado para drenar el agua. Coloque el tubo de drenaje de forma que se garantice un drenaje correcto.
- Un drenaje incompleto puede provocar daños por agua en el edificio, los muebles. etc. Si no se descarga agua desde el tubo de drenaje mientras el acondicionador de aire o la bomba de calor están en el modo de refrigeración, el tubo de drenaje podría haberse obstruido por el polvo o la suciedad, y ocasionar una fuga de agua en la unidad interior. En caso de darse una situación de este tipo, detenga el acondicionador de aire o la bomba de calor y póngase en contacto con su distribuidor.

No instale el producto en lugares en los que el ruido o el aire caliente procedente de la unidad exterior pudieran resultar perjudiciales para el entorno inmediato.
- Una colocación incorrecta puede provocar problemas a sus vecinos.

La Garantía limitada quedará anulada y sin efecto, y LG no tendrá responsabilidad alguna ante ningún Cliente o tercero si se dan las siguientes situaciones: actos, omisiones y comportamientos de todos los terceros, incluyendo, a título enunciativo pero no limitativo, el contratista instalador y las reparaciones, las labores de servicio o mantenimiento por personas no autorizadas o no cualificadas.

No instale la unidad en atmósferas potencialmente explosivas.

Funcionamiento

Si el gas refrigerante se fuga mientras se repara la unidad, no toque el gas refrigerante que se ha fugado.
- El gas refrigerante puede provocar quemaduras por frío.

No mezcle aire o gases que no sean el gas refrigerante específico utilizado en el sistema.
- La entrada de aire en el sistema refrigerante puede provocar una presión excesivamente alta y causar daños en el equipo o lesiones físicas.

Asegúrese de que no haya obstáculos en las proximidades de la unidad exterior. La presencia de obstáculos en las proximidades de la unidad exterior podría reducir el rendimiento de la unidad exterior o aumentar el ruido de funcionamiento.
- Esto puede provocar fallos en el producto.

No utilice el acondicionador de aire con ningún otro fin que no sea la refrigeración o la calefacción para su comodidad. No utilice la unidad para la refrigeración de instrumentos de precisión, alimentos, plantas, animales ni obras de arte.
- De lo contrario, se pueden producir riesgos de daños o pérdidas de la propiedad.

Cambie todas las pilas del mando a distancia por pilas nuevas del mismo tipo. No mezcle pilas antiguas y nuevas ni de tipos diferentes al mismo tiempo.
- Hacerlo puede provocar riesgo de incendios o explosiones.

No recargue ni desmonte las pilas. No arroje las pilas al fuego,
- ya que pueden explotar.

Si el líquido de las pilas entra en contacto con su piel o ropa, lávelo con agua corriente. No utilice el mando a distancia si las pilas presentan fugas.
- Los productos químicos de las pilas pueden provocar quemaduras u otros riesgos para la salud.

Si ingiere el líquido de las pilas, lávese los dientes y acuda al médico. No utilice el mando a distancia si las pilas presentan fugas.
- Los productos químicos de las pilas pueden provocar quemaduras u otros riesgos para la salud.

No se suba sobre el producto ni coloque nada encima de él (unidades exteriores).
- Hacerlo podría provocar riesgo de lesión física personal y fallos en el producto.

Este dispositivo no está diseñado para que lo utilicen niños o personas enfermas sin supervisión.
No deje que un niño se suba a la unidad o coloque objetos sobre ella. No deje que los niños jueguen sobre la unidad o alrededor de ella.
- Las caídas o desplazamientos pueden provocar lesiones físicas. Si un niño toca la unidad de forma descuidada, se pueden producir lesiones físicas.

No beba el agua que se drena del producto.
- No es potable y puede provocar problemas graves para la salud.

Mantenimiento

Póngase en contacto con su distribuidor para la reparación o el mantenimiento.
No limpie el panel de funcionamiento del mando a distancia con benceno, disolvente, paños con polvo químico, etc. El panel podría decolorarse y el revestimiento desprenderse. Si está muy sucio, sumerja un paño en detergente neutro diluido en agua, escúrralo y limpie el panel. A continuación, séquelo con otro paño seco.
- Existe riesgo de daños para las piezas de plástico del producto.

No introduzca las manos ni otros objetos a través de la entrada o la salida de aire mientras el producto está en funcionamiento.
- Existen piezas afiladas y en movimiento que pueden provocar lesiones personales.

Utilice un taburete o una escalera firmes cuando limpie o realice tareas de mantenimiento en el producto.
- Tenga cuidado y evite lesiones personales.

No toque las piezas metálicas del producto al desmontar el filtro. Están muy afiladas.
- Existe riesgo de una lesión personal.

No beba el agua que se drena del producto.
- No es potable y puede provocar problemas graves para la salud.

No ponga en marcha el acondicionador de aire cuando utilice un insecticida para fumigación.
- De lo contrario, los productos químicos podrían depositarse en la unidad, lo que podría suponer un riesgo para la salud de las personas hipersensibles a los productos químicos.

Notas de guía de seguridad

Instalación

Realice siempre la conexión de la toma de tierra.
- Si no lo hace, podría producirse una descarga eléctrica.

Para la instalación del producto, póngase siempre en contacto con el centro de servicio técnico o con una empresa de instalaciones especializada.
- De lo contrario, podría producirse un incendio, descarga eléctrica, explosión o daños.

Ajuste firmemente la cubierta de la parte eléctrica en la unidad interior y el panel de servicio en la unidad exterior.
- Si la cubierta de la parte eléctrica de la unidad interior y el panel de servicio de la unidad exterior no están ajustados firmemente, podría producirse un incendio o descarga eléctrica debido al polvo, agua, etc.

Instale siempre un interruptor diferencial para el aire acondicionado y el cuadro de maniobra correspondiente.
- Si no lo instala, podría producirse un incendio y una descarga eléctrica.

No almacene ni utilice gases inflamables o combustibles cerca del aire acondicionado.
- De lo contrario, podría producirse un incendio o una avería del aparato.

Asegúrese de que el bastidor de instalación de la unidad exterior no está dañado debido a un uso prolongado.
- Podría producir daños o un accidente.

No desmonte ni modifique los productos sin causa justificada.
- Podría producirse un incendio o una descarga eléctrica.

No instale el aparato en un lugar donde pueda caerse.
- De lo contrario, podrían producirse daños personales.

Tenga cuidado cuando lo desembale e instale.
- Los bordes afilados pueden producir daños.

Utilice una bomba al vacío o gas inerte (nitrógeno) cuando proceda a pruebas de escape o purga de aire. No comprima ni el aire ni el oxígeno, ni utilice gases inflamables. En caso contrario, podría causar un incendio o una explosión. Existe riesgo de muerte, lesión, incendio o explosión.

Consulte con su distribuidor local con referencia al procedimiento en caso de fuga de refrigerante. Si el aparato de aire acondicionado va a instalarse en una estancia pequeña, es necesario tomar las medidas adecuadas a fin que la cantidad de refrigerante que se haya fugado no sobrepase el límite de concentración en caso de fuga. En caso contrario, podría conllevar un accidente debido à una reducción de oxígeno.

Lleve a cabo el trabajo especificado de instalación teniendo los terremotos en cuenta.
De no hacerlo durante el trabajo de instalación, podría conllevar la caída de la unidad y causar accidentes.

Asegúrese de proveer un circuito de suministro de alimentación independiente, y que todo el trabajo eléctrico sea llevado a cabo por el personal cualificado, conforme a las leyes y normativas locales, así como el presente manual de instalación. Toda capacidad de suministro de alimentación que resulte insuficiente, o toda construcción eléctrica inadecuada, puede conllevar una descarga eléctrica o un incendio.

Asegúrese de apagar la unidad antes de tocar cualquier parte eléctrica.

Asegúrese que todo el cableado está asegurado, que se utilizan los cables especificados, y que no existe presión sobre las conexiones de los terminales o los cables.

Si el gas refrigerante se fuga durante la instalación, ventile el área inmediatamente.
Se puede generar gas tóxico si el gas refrigerante entra en contacto con el fuego.

Asegúrese de instalar una unidad y un conducto de suministro de aire para la circulación a una sola habitación.

No conserve o use gas inflamable o combustible cerca del aparato.
- Existe riesgo de fuego, explosión, o bien lesiones físicas o mortales.

No use medios para acelerar el proceso de descongelamiento o para la limpieza, distintos a los recomendados por el fabricante.

El equipo debe almacenarse en un espacio sin fuentes de encendido que operen continuamente (Por ejemplo: llamas abiertas, un equipo que opere a gas o un calentador eléctrico operativo).

No perforar ni quemar

Esté consciente que puede ser que los refrigerantes no tengan olor.

El fabricante podría proporcionar otros ejemplos adecuados o podría proporcionar información adicional sobre el olor del refrigerante.

El material de las tuberías, su trazado y su instalación incluirán la protección contra daños físicos durante el funcionamiento y el servicio, y cumplirán los códigos y estándares nacionales y locales, como ASHRAE 15, ASHRAE 15.2, el Código mecánico uniforme IAPMO, el Código mecánico internacional ICC o CSA B52. Todas las juntas de campo deberán ser accesibles para su inspección antes de ser cubiertas o encerradas.

El área no ventilada en la que se instale el aparato que utilice refrigerantes inflamables deberá estar construida de forma que, en caso de que se produzca una fuga de refrigerante, éste no se estanque de forma que pueda crear un peligro de incendio o explosión.

Las juntas para refrigerante fabricadas en interiores deben superar una prueba de estanqueidad. El método de prueba debe ser sensible a 5 gramos de refrigerante por año o mejor a una presión mínima de 0,25 veces la presión máxima admisible. No se debe detectar ninguna fuga.

Si los aparatos conectados a través de un sistema de conductos de aire a una o más habitaciones con REFRIGERANTES A2L se instalan en una habitación con una superficie inferior a Amin según se determina en la norma, dicha habitación no deberá tener llamas abiertas en funcionamiento continuo (p. ej., un aparato de gas en funcionamiento) ni otras FUENTES POTENCIALES DE IGNICIÓN (p. ej., un calentador eléctrico en funcionamiento, superficies calientes). Si un dispositivo productor de llamas dispone de un supresor de llamas eficaz, puede instalarse en la misma zona.

Una vez terminadas las tuberías de campo para los sistemas divididos, las tuberías de campo se someterán a una prueba de presión con un gas inerte y, a continuación, a una prueba de vacío antes de la carga de refrigerante, de acuerdo con los siguientes requisitos:

- La presión mínima de prueba para el lado bajo del sistema será la presión de diseño del lado bajo y la presión mínima de prueba para el lado alto del sistema será la presión de diseño del lado alto, a menos que el lado alto del sistema, no pueda aislarse del lado bajo del sistema, en cuyo caso todo el sistema se someterá a prueba de presión a la presión de diseño del lado bajo.
- La presión de prueba tras la retirada de la fuente de presión se mantendrá durante al menos 1 h sin que el manómetro de prueba indique una disminución de la presión, con una resolución del manómetro de prueba no superior al 5 % de la presión de prueba.
- Durante la prueba de evacuación, después de alcanzar un nivel de vacío especificado en el manual o inferior, el sistema de refrigeración se aislará de la bomba de vacío y la presión no subirá por encima de 1500 micras en 10 min. El nivel de presión de vacío se especificará en el manual y será el menor de 500 micras o el valor requerido para el cumplimiento de los códigos y normas nacionales y locales, que puede variar entre edificios residenciales, comerciales e industriales.

Cualificación de los trabajadores

El manual debe incluir información detallada sobre las cualificaciones del personal de trabajo para las operaciones de mantenimiento, servicio y reparación. Todos los procedimientos de trabajo que afecten a medidas de seguridad deberán ser realizados por una persona o fabricante cualificados.

Ejemplos de dichos procedimientos de trabajo son:

- Irrupción en el circuito de refrigeración;
- Apertura de componentes sellados;
- Apertura de recintos ventilados.

El tubo del refrigerante debe estar protegido o encastrado para evitar daños.

Los conectores refrigerantes flexibles (tales como las líneas de conexión entre la unidad de espacio interior y exterior) que pueden desplazars durante las operaciones normales deben protegerse contra el daño mecánico.

Se debe realizar una conexión mediante cobresoldadura, soldadura o de tipo mecánico antes de abrir las válvulas para permitir que el refrigerante fluya entre las piezas del sistema refrigerante.

Mantenga las aberturas de ventilación necesarias libres de obstáculos.

Se debe poder acceder a las conexiones mecánicas (conectores mecánicos o juntas abocardadas) para realizar tareas de mantenimiento.

Los componentes flexibles de las tuberías deben estar protegidos de daños mecánicos, tensiones de torsión excesivas y otras fuerzas. Cada año, deben ser examinados para detectar daños mecánicos.

Los mecanismos de protección, las tuberías y los accesorios deben protegerse en la medida de lo posible de los peligros ambientales, como el riesgo de que se acumule agua y se congele en las tuberías de alivio o la acumulación de suciedad y residuos.

Deben tomarse precauciones para evitar vibraciones o pulsaciones excesivas en las tuberías de refrigeración.

Las tuberías de los sistemas de refrigeración deben instalarse y diseñarse de forma que se reduzca la posibilidad de que un choque hidráulico dañe el sistema.

Los tramos largos de tuberías deben tener espacio para la expansión y contracción.

Antes de utilizar cualquier aislamiento, las tuberías y componentes de acero deben recubrirse con un material antioxidante para evitar la corrosión.

Los conductos conectados a un aparato no deben contener una fuente de ignición potencial

El espacio debe disponer de conductos directos tanto para el aire de impulsión como para el de retorno.

Las zonas abiertas, como los falsos techos, no se utilizarán como conducto de aire de retorno.

En los conductos de conexión sólo se instalarán dispositivos auxiliares aprobados por el fabricante del aparato o declarados aptos con el refrigerante.

No se instalarán en los conductos dispositivos auxiliares que puedan constituir una fuente potencial de ignición. Ejemplos de tales fuentes potenciales de ignición son las superficies calientes con una temperatura superior a 700 °C y los dispositivos de conmutación eléctrica.

Para los aparatos conectados a conductos, se pueden utilizar falsos techos o falsos techos como plenum de aire de retorno si se proporciona un SISTEMA DE DETECCIÓN DE REFRIGERANTE en el aparato y cualquier conexión externa también está provista de un sensor inmediatamente debajo de la junta del conducto del plenum de aire de retorno.

Cableado

Electricidad de alto voltaje se requiere para operar este sistema.
Cumpla con las Normas Nacionales para Instalaciones Eléctricas: National Electrical Code (NEC) para EE. UU., México, Canada Electrical Code (CE) para Canadá, esto con el fin de realizar una una correcta instalación eléctrica.

- Las conexiones incorrectas así como la conexión

a tierra inadecuada puede causar lesiones accidentales o la muerte.

Conecte a tierra la unidad siguiendo los códigos locales, estatales y nacionales.
- Existe riesgo de fuego, electrocución, o bien lesiones físicas o mortales.

Revise correctamente todos los interruptores y fusibles.
- Existe riesgo de fuego, electrocución, explosión, o bien lesiones físicas o mortales.

La información contenida en este manual está destinada a ser utilizada por un electricista calificado y con experiencia en la industria, familiarizado con NEC para EE. UU. y México, o CE para Canadá.
- Se aconseja leer con atención y seguir al pie de la letra todas las instrucciones de este manua para que no haya fallas que pudieran resultar en el malfuncionamiento del equipo, en daños a la propiedad, o en lesiones personales o la muerte.

Tenga en cuenta los códigos locales, estatales y federales y haga uso de cables eléctricos con la suficiente capacidad de corriente y potencia.
- Los cables demasiado pequeños pueden generar calor y provocar un incendio.

Todo el trabajo eléctrico debe ser realizado por un electricista con licencia y cumplir con los códigos de construcción locales o, en ausencia de los códigos locales, con NEC para EE. UU. y México, o CE para Canadá, el cual debe seguir todas las instrucciones proporcionadas en este manual.
- Si la capacidad de la fuente de corriente eléctrica es inadecuada o bien el trabajo eléctrico no se llevó a cabo correctamente, podría resultar en fuego, electrocución, lesiones personales o incluso la muerte.

Asegure todas las conexiones y el cableado con un alivio de tensión adecuado.
- No asegurar debidamente los cables podrá generar tensión en exceso en las entradas de alimentación del equipo. Las conexiones inadecuadas pueden generar calor, causar un incendio y lesiones físicas o la muerte.

Conecte y atornille correctamente todas las entradas de alimentación.
- Un cableado flojo puede sobrecalentarse en los puntos de conexión, pudiendo provocar un incendio, lesiones físicas o la muerte.

⊘ No cambie la configuración de los aparatos de protección.
- Si el interruptor de tensión, o el de temperatura, o algún otro aparato de protección está puenteado o forzado para que no trabaje correctamente, o contiene otro tipo de partes que no son las especificadas por LG, existe riesgo de incendio, electrocución, explosión o lesiones físicas o la muerte.

El aparato debe instalarse de acuerdo con las normas nacionales de cableado.

Se debe incorporar un método de desconexión en el cableado fijo de acuerdo con las normas de cableado.

Si el cable de alimentación está dañado, deberá ser reemplazado por el fabricante, el agente de servicio o por personal igualmente cualificado con el fin de evitar situaciones de riesgo.

NOTA

- ⊘ No aplique la corriente eléctrica a la unidad hasta que todos los cables eléctricos, controles de cableado, tuberías, instalación y el sistema de evacuación del refrigerante hayan sido completados.

Operación

Desenchufe la unidad si emite un sonido extraño, olores o humo.
- Si no lo hace, podría producirse una descarga eléctrica o un incendio.

Manténgala alejada de llamas.
- De lo contrario, podría producirse un incendio.

Si es necesario desenchufar el cable de alimentación, hágalo sujetando la cabeza de la clavija y no lo toque con las manos húmedas.
- De lo contrario, podría producirse un incendio o una descarga eléctrica.

No abra la entrada de aspiración de la unidad interior/exterior durante el funcionamiento.
- Si lo hace, podría producirse una descarga eléctrica y una avería.

No permita que entre agua en las partes eléctricas.
- De lo contrario, podría producirse una avería en la unidad o una descarga eléctrica.

No toque nunca las partes metálicas de la unidad cuando retire el filtro.
- Son afiladas y pueden producir lesiones.

No se suba sobre la unidad interior/exterior ni coloque nada sobre ellas.
- Podrían producirse daños debido al desplome o caída de la unidad.

Si el aparato se ha sumergido en agua, póngase siempre en contacto con el centro de servicio técnico.
- De lo contrario, podría producirse un incendio o una descarga eléctrica.

Vigile que los niños no se suban a la unidad exterior.
- Si lo hacen, podrían resultar gravemente lesionados debido a una caída.

El equipo debe almacenarse en una forma que prevenga que ocurra un dano mecanico.

Este aparato no está diseñado para que lo usen personas (incluidos niños) con discapacidad física, sensorial o mental, o con experiencia y conocimiento insuficientes, a menos que una persona responsable de su seguridad les supervise o instruya en el uso del aparato Debe vigilarse a los niños de corta edad para asegurarse de que no juegan con el aparato.

SISTEMA DE DETECCIÓN DE FUGAS instalado. La unidad debe estar limentada excepto para el servicio. Esta unidad está equipada con medidas de seguridad accionadas eléctricamente. Para que sea eficaz, la unidad debe estar alimentada eléctricamente en todo

momento después de la instalación, excepto durante el mantenimiento.

Servicio & Instalación

Comprobaciones de la zona

Antes de comenzar a trabajar en los sistemas que contienen refrigerantes inflamables, es necesario realizar comprobaciones de seguridad para garantizar que el riesgo de ignición se reduzca al mínimo. Para la reparación del sistema de refrigeración, se deberán tomar las siguientes precauciones antes de realizar trabajos en el sistema.

Procedimiento para el trabajo

Los trabajos se llevarán a cabo de acuerdo a un procedimiento controlado a fin de reducir al mínimo el riesgo de que haya un gas o un vapor inflamable mientras se realiza el trabajo.

Zona de trabajo general

Todo el personal de mantenimiento y otras personas que trabajen en el área local se instruirán sobre la naturaleza del trabajo que se realiza. Se evitará el trabajo en espacios confinados.

Comprobación de la presencia del refrigerante

Se comprobará la zona con un detector de refrigerante adecuado antes y durante el trabajo, para asegurarse de que el técnico esté consciente de las atmósferas potencialmente inflamables. Asegúrese de que el equipo de detección de fugas que se está utilizando sea adecuado para su uso con refrigerantes inflamables, es decir, sin chispas, adecuadamente sellado o intrínsecamente seguro.

Presencia de un extintor de incendios

Si se debe realizar algún trabajo en el equipo de refrigeración o en alguna de sus partes, se dispondrá de un equipo de extinción de incendios adecuado. Tengan un extintor de polvo seco o CO2 cerca del área de carga.

No hay fuentes de ignición

Ninguna persona que realice trabajos relacionados con un sistema de refrigeración que impliquen la exposición de cualquier tubería, podrá utilizar ninguna fuente de ignición de tal manera que pueda dar lugar a un incendio o explosión.

Todas las posibles fuentes de ignición, incluyendo el consumo de cigarrillos, deben mantenerse lo suficientemente alejadas del lugar de instalación, reparación, eliminación y desecho, durante lo cual es posible que se libere refrigerante al espacio circundante. Antes de que el trabajo se lleve a cabo, el área alrededor del equipo debe inspeccionarse para asegurarse de que no hay peligros inflamables o riesgos de ignición. Se exhibirán carteles de “No Fumar”.

Área ventilada

Asegúrese de que el área esté al aire libre o que esté adecuadamente ventilada antes de irrumpir en el sistema o realizar cualquier trabajo en caliente. Habrá un grado de ventilación y continuará durante el período en que se lleve a cabo el trabajo.

La ventilación debe dispersar de forma segura cualquier refrigerante liberado y preferiblemente expulsarlo externamente a la atmósfera.

Comprobaciones del equipo de refrigeración

Cuando se cambien los componentes eléctricos, estos deberán ser adecuados para el propósito y la especificación correcta.

En todo momento se seguirán las directrices de mantenimiento y servicio del fabricante. En caso de duda, consulte al departamento técnico del fabricante para obtener asistencia.

Las siguientes comprobaciones se aplicarán a las instalaciones que utilicen refrigerantes inflamables:

- La carga refrigerante real guarda relación con el tamaño de la sala en la que están instaladas las piezas que contienen el refrigerante
- La maquinaria y las salidas de ventilación funcionan correctamente y no están obstruidas
- Si se utiliza un circuito de refrigerante indirecto, se revisará el circuito secundario para comprobar la presencia de refrigerante
- Las marcas del equipo continúan estando visibles y siendo legibles. Las marcas y los signos ilegibles deben corregirse
- El tubo y los componentes de refrigeración están instalados en una posición en la que no es probable que queden expuestos a sustancias que puedan corroer los componentes que contienen el refrigerante, a menos que estos estén fabricados con materiales que resistan de forma intrínseca la corrosión o estén adecuadamente protegidos contra la misma.

Comprobaciones de los dispositivos eléctricos

La reparación y el mantenimiento de los componentes eléctricos incluirá comprobaciones iniciales de seguridad y procedimientos de inspección de los componentes. Si existe una falla que pueda comprometer la seguridad, no se conectará ningún suministro eléctrico al circuito hasta que se resuelva satisfactoriamente. Si la falla no puede corregirse inmediatamente pero es necesario continuar la operación, se utilizará una solución temporal adecuada. Se informará de ello al propietario del equipo para que todas las partes estén informadas.

Las comprobaciones iniciales de seguridad incluirán:

- Los condensadores se descargan: esto se hará de forma segura para evitar la posibilidad de que se produzcan chispas.
- No se expone ningún componente eléctrico vivo ni los cables mientras se carga, se recupera o se purga el sistema.
- Continuidad de la unión a tierra

Reparaciones de los componentes sellados

Se sustituirán los componentes eléctricos sellados.

Reparación a los componentes intrínsecamente seguros

Los componentes intrínsecamente seguros deben ser sustituidos.

Cableado

Compruebe que el cableado no esté sujeto a desgaste, corrosión, presión excesiva, vibración, bordes afilados o cualquier otro efecto ambiental adverso. El control también tendrá en cuenta los efectos del envejecimiento o la vibración continua de fuentes tales como compresores o ventiladores.

Detección de refrigerantes inflamables

En ningún caso deben utilizarse posibles fuentes de ignición para buscar o detectar fugas de refrigerante. No deben utilizarse lámparas de aditivos metálicos (ni otros detectores que utilicen llamas vivas).

Métodos de detección de goteo

Los siguientes métodos de detección de fugas se consideran aceptables para todos los sistemas de refrigerantes.

Pueden utilizarse detectores electrónicos de fugas para detectar fugas de refrigerante pero, en el caso de los REFRIGERANTES INFLAMABLES, la sensibilidad puede no ser la adecuada o necesitar una recalibración. (El equipo de detección deberá calibrarse en una zona libre de refrigerantes).

Asegúrese de que el detector no sea una fuente potencial de ignición y de que sea adecuado para el refrigerante utilizado. El equipo de detección de fugas debe configurarse con un porcentaje del límite inferior de inflamabilidad LFL del refrigerante y calibrarse según el refrigerante empleado, y debe confirmarse el porcentaje de gas adecuado (el 25 % como máximo).

Los fluidos de detección de fugas también pueden utilizarse con la mayoría de los refrigerantes, pero no deben utilizarse detergentes que contengan cloro, pues este puede reaccionar con el refrigerante y corroer las tuberías de cobre.

NOTA

- Ejemplos de fluidos para la detección de fugas son
  - Método burbuja
  - Agentes de método fluorescente

Si se sospecha que se ha producido una fuga, deben retirarse o apagarse todas las llamas vivas.

Si se detecta una fuga de refrigerante que requiera soldadura fuerte, todo el refrigerante del sistema debe recuperarse o aislarse (mediante válvulas de cierre) en una parte del sistema que se encuentre lejos de la fuga. La remoción del refrigerante se debe realizar de acuerdo con el procedimiento de remoción y evacuación.

Remoción y evacuación

Al irrumpir en el circuito del refrigerante para hacer reparaciones – o con cualquier otro propósito – se deberán utilizar procedimientos convencionales. Sin embargo, en el caso de refrigerantes inflamables es importante que se sigan las mejores prácticas, ya que la inflamabilidad es una posibilidad real.

Se seguirá el siguiente procedimiento:

- Retire el refrigerante con seguridad siguiendo la normativa local y nacional;
- Evacuar;
- Purgue el circuito con gas inerte (opcional para A2L);
- Evacuar (opcional para A2L);
- Lave o purgue continuamente con gas inerte cuando utilice la llama para abrir el circuito; y
- Abre el circuito.

La carga de refrigerante se recuperará en los cilindros de recuperación correctos si la ventilación no está permitida por la normativa local y nacional. El sistema debe purgarse con nitrógeno sin oxígeno para que los aparatos que contienen refrigerantes inflamables sean seguros para su uso con refrigerantes inflamables. Podría ser necesario repetir este proceso varias veces.

Los sistemas refrigerantes no deben purgarse con aire comprimido u oxígeno.

Para los aparatos que usan refrigerantes inflamables, la purga de los refrigerantes se deberá realizar rompiendo el vacío en el sistema con nitrógeno sin oxígeno y continuar llenando hasta alcanzar la presión de funcionamiento, y luego ventilando a la atmósfera, y finalmente bajando al vacío (opcional para A2L). Este proceso se repetirá hasta que no haya refrigerante en el sistema (opcional para A2L). Cuando se utilice la carga final de nitrógeno sin oxígeno, el sistema se ventilará a la presión atmosférica para permitir que se pueda trabajar.

La salida de la bomba de vacío no deberá estar cerca de ninguna fuente potencial de ignición y deberá disponerse de ventilación.

Procedimientos de carga

Además de los procedimientos de carga convencionales, se seguirán los siguientes requisitos.

- Asegúrese de que no se produzca contaminación de diferentes refrigerantes al utilizar equipo de carga. Las mangueras y las líneas deben ser lo más cortas posible para reducir al mínimo la cantidad de refrigerante contenida en ellas.
- Los cilindros se deben mantener en una posición apropiada de acuerdo con la instrucción.
- Asegúrese de que el sistema de refrigeración esté conectado a tierra antes de cargar el sistema con refrigerante.
- Etiquete el sistema cuando la carga esté completa (si ya no lo ha hecho).
- Debe tenerse sumo cuidado para no llenar demasiado el sistema de refrigeración.

Antes de recargar el sistema, deberá someterse a una prueba de presión con el gas purgante apropiado.

Debe comprobarse que no haya fugas en el sistema una vez completada la carga y antes de ponerlo en marcha. Debe comprobarse nuevamente que no haya fugas antes de abandonar las instalaciones.

Desmantelamiento

Antes de llevar a cabo este procedimiento, es esencial que el técnico esté completamente familiarizado con el equipo y todos sus detalles.

Se recomienda como buena práctica que todos los refrigerantes se recuperen de forma segura.

Antes de realizar la tarea, se tomará una muestra de aceite y refrigerante en caso de que se requiera un

análisis antes de reutilizar el refrigerante recuperado.

Es esencial que la energía eléctrica esté disponible antes de comenzar la tarea.

a) Familiarizarse con el equipo y su funcionamiento.

b) Aislar el sistema eléctricamente.

c) Antes de intentar el procedimiento asegúrese de que:

- De ser necesario, se dispone de un equipo de manipulación mecánica para manejar los cilindros de refrigerante
- Todo el equipo de protección personal está disponible y se está utilizando correctamente
- El proceso de recuperación lo supervisa en todo momento por una persona competente
- El equipo de recuperación y los cilindros se ajustan a las normas apropiadas.

d) Bombee el sistema de refrigeración, si es posible.

e) De no ser posible hacer el vacío, haga un colector para que el refrigerante pueda eliminarse de varias partes del sistema.

f) Asegúrese de que el cilindro esté situado en la balanza antes de que se produzca la recuperación.

g) Ponga en marcha la máquina de recuperación y opere de acuerdo con las instrucciones del fabricante.

h) No llene los cilindros de más. (No más del 80 % del volumen de carga líquida).

i) No exceda la presión máxima de trabajo del cilindro, ni siquiera temporalmente.

j) Cuando los cilindros se hayan llenado correctamente y se haya completado el proceso, asegúrese de que los cilindros y el equipo se retiren del lugar rápidamente y se cierren todas las válvulas de aislamiento del equipo.

k) El refrigerante recuperado no se cargará en otro sistema de refrigeración a menos que se haya limpiado y comprobado.

Etiquetado

El equipo se etiquetará indicando que se ha desactivado y vaciado de refrigerante.

La etiqueta estará fechada y firmada.

Asegúrese de que haya etiquetas en el equipo que indiquen que el equipo contiene un refrigerante inflamable.

Recuperación

Cuando se retira el refrigerante de un sistema, ya sea para mantenerlo o para ponerlo fuera de servicio, se recomienda la buena práctica para que todos los refrigerantes se retiren de forma segura. Al transferir el refrigerante a los cilindros, asegúrese de que sólo se empleen los cilindros de recuperación de refrigerante adecuados.

Asegúrese de que el número correcto de cilindros para mantener la carga total del sistema está disponible. Todos los cilindros que se van a utilizar están designados para el refrigerante recuperado y etiquetados para ese refrigerante (es decir, se usan cilindros especiales para la recuperación de refrigerante).

Los cilindros deberán estar completos con la válvula de alivio de presión y las válvulas de cierre asociadas en buen estado de funcionamiento.

Los cilindros de recuperación vacíos se evacuan y, si de ser posible, enfriados antes de que se produzca la recuperación.

El equipo de recuperación funcionará bien con un conjunto de instrucciones relativas al equipo que está a la mano y será adecuado para la recuperación de refrigerante inflamable.

En caso de duda, se debe consultar al fabricante. Además, se dispondrá de un juego de balanzas calibradas y en buen estado de funcionamiento.

Las mangueras deben estar completas con acoplamientos de desconexión, no tener fugas y en buen estado.

El refrigerante recuperado se procesará de acuerdo con la legislación local en el cilindro de recuperación correcto, y se dispondrá la correspondiente nota de transferencia de residuos.

No mezcle los refrigerantes en las unidades de recuperación y especialmente no en los cilindros.

Si los compresores o los aceites de los compresores se deben retirar, asegúrese de que se han evacuado a un nivel aceptable para asegurarse de que el refrigerante inflamable no permanezca dentro del lubricante. El cuerpo del compresor no deberá calentarse con una llama abierta u otras fuentes de ignición para acelerar este proceso.

Cuando se drena el aceite de un sistema, se debe llevar a cabo de forma segura.

⚠ PRECAUCIÓN

Instalación

Instale la manguera de drenaje para asegurar que el drenaje pueda realizarse correctamente.

- De lo contrario, podrían producirse fugas de agua.

Instale el aparato de modo que el ruido o el aire caliente procedente de la unidad exterior no cause molestias a los vecinos.

- De lo contrario, podrían producirse disputas con los vecinos.

Compruebe siempre si existen pérdidas de gas después de instalar o reparar la unidad.

- Si no lo hace, podría producirse una avería en la unidad.

Instale la unidad bien nivelada.

- Si no lo hace, podrían producirse vibraciones o fugas de agua.

No instale la unidad en atmósferas potencialmente explosivas.

La instalación de la tubería debe mantenerse en un mínimo.

Cualquier persona que esté involucrada en el trabajo

o en interrumpir un circuito refrigerante debe portar un certificado válido actualizado de una autoridad de evaluación acreditada por la industria, el cual autoriza su competencia para manejar refrigerantes con seguridad de acuerdo con una especificación de evaluación reconocida por la industria.

Cuando se reutilicen en interiores conectores mecánicos, las piezas de sellado se deben renovar.

Cuando las uniones ensanchadas se usen de nuevo en espacios interiores, la parte ensanchada debe fabricarse de nuevo.

Operación

Evite un enfriamiento excesivo y ventile frecuentemente.

- De lo contrario, podría perjudicar su salud.

Utilice un paño suave para limpiar la unidad. No utilice cera, disolvente ni un detergente fuerte.

- Podría deteriorarse el aspecto del aire acondicionado, cambiar el color o producirse desperfectos en su superficie.

No utilice el aparato para una finalidad especial como el acondicionamiento para animales o vegetales, máquinas de precisión o la conservación de artículos de arte.

- Si lo hace, podrían producirse daños en sus propiedades.

No coloque ningún obstáculo alrededor de las entradas o salidas de aire.

- Si lo hace, podría producirse una avería en el aparato o un accidente.

Este aparato no está destinado a la refrigeración EQUIPOS DE TECNOLOGÍA DE LA INFORMACIÓN

El servicio debe realizarse solo como recomienda el fabricante del equipo. El mantenimiento y la reparación que requieran la asistencia de otro personal adiestrado debe llevarse a cabo bajo la supervisión de la persona competente en el uso de refrigerantes inflamables.

Servicio

Las tareas de servicio técnico solo se deben realizar siguiendo las recomendaciones del fabricante.

ANTES DEL FUNCIONAMIENTO

Preparativos de cara al funcionamiento

1. Póngase en contacto con un especialista en instalaciones para la instalación de esta unidad.
2. Utilice un circuito dedicado.

Uso

1. Someterse al flujo de aire durante un periodo de tiempo prolongado puede resultar nocivo para su salud. No someta a personas, mascotas o plantas al flujo de aire directo durante periodos de tiempo prolongados.
2. Para evitar deficiencias en el volumen de oxígeno, ventile la habitación cuando utilice la unidad junto con estufas y otros dispositivos de calefacción.
3. No utilice este acondicionador de aire con fines especiales no específicos (p. ej. conservar dispositivos de precisión, alimentos, mascotas, plantas y obras de arte). Este tipo de usos puede dañar los productos en cuestión.
4. Cuando utilice un mando a distancia, consulte el manual de usuario del mando a distancia en cuestión.

Limpieza y mantenimiento

1. No toque las piezas metálicas de la unidad al desmontar el filtro. La manipulación de bordes metálicos afilados puede provocar lesiones físicas.
2. No utilice agua para limpiar el interior del acondicionador de aire. La exposición al agua puede destruir el aislamiento y ocasionar posibles descargas eléctricas.
3. Cuando limpie la unidad, asegúrese primero de que la alimentación y el disyuntor se encuentran desconectados. Durante el funcionamiento de la unidad, el ventilador funciona a una velocidad muy alta. Existe la posibilidad de lesiones físicas si la alimentación de la unidad se activa de forma accidental cuando se limpian las piezas internas de la unidad.

Servicio

Para las tareas de reparación y mantenimiento, póngase en contacto con el distribuidor de servicios autorizado.

⚠ PRECAUCIÓN

- Póngase en contacto con un técnico de servicio autorizado para la reparación o el mantenimiento de esta unidad.
- Póngase en contacto con un especialista en instalaciones para la instalación de esta unidad.
- El acondicionador de aire no está diseñado para que lo utilicen niños o personas discapacitadas sin supervisión.
- Se debe supervisar a los niños para asegurarse de que no juegan con el acondicionador de aire.
- Cuando sea necesario cambiar el cable de alimentación, el trabajo de sustitución deberá realizarlo personal autorizado utilizando únicamente piezas de repuesto originales.
- Las labores de instalación se deben realizar según el Código Eléctrico Nacional y por parte solo de personal cualificado y autorizado.

LEA ESTE MANUAL

En él encontrará numerosas sugerencias útiles sobre cómo utilizar y realizar el mantenimiento del acondicionador de aire de la forma adecuada. Con solo una atención preventiva de sus piezas puede ahorrar gran cantidad de tiempo y dinero a lo largo de la vida útil del acondicionador de aire.

Encontrará muchas respuestas a los problemas más comunes en el diagrama de consejos de solución de problemas. Si lee los consejos de solución de problemas, podría no tener que llamar para solicitar un servicio de reparación.

PARA SUS REGISTROS

Anote aquí los números de modelo y de serie.

Modelo	
Número de serie	

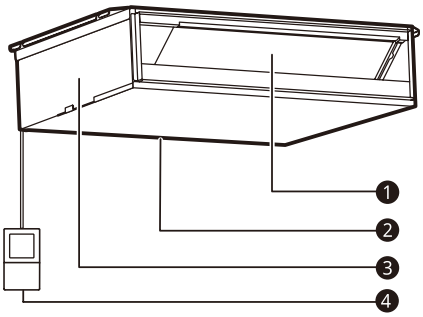
Los encontrará en la etiqueta del lateral de cada unidad.

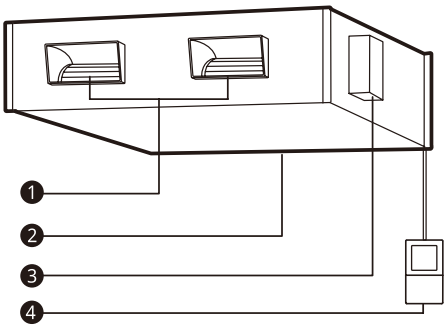
Nombre del distribuidor	
Fecha de compra	

FUNCIONAMIENTO

Piezas y funciones

Unidad interior

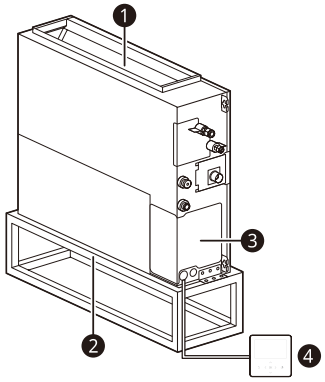




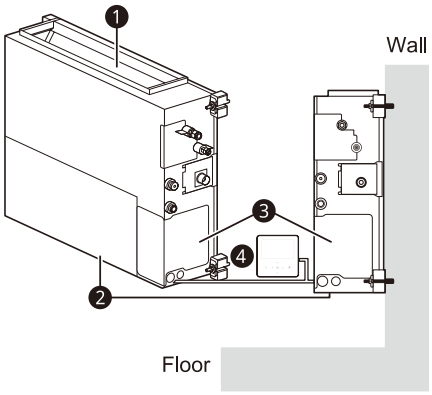
solo chasis MA - Piezas de instalación vertical (Opción)

Debe adquirir las piezas opcionales para instalar el producto verticalmente.

Forma 1. Instalación sobre el suelo



Forma 2. Instalación sobre la pared



❶ Rejillas de salida del aire ❷ Rejillas de entrada del aire ❸ Caja de control

❹ Mando a distancia con cable (Accesorio)

NOTA

- Las características pueden variar según el tipo del modelo.
- Use solamente fusibles con retardo. Compruebe la especificación de los fusibles con la etiqueta del circuito adjunta a la cubierta de control.

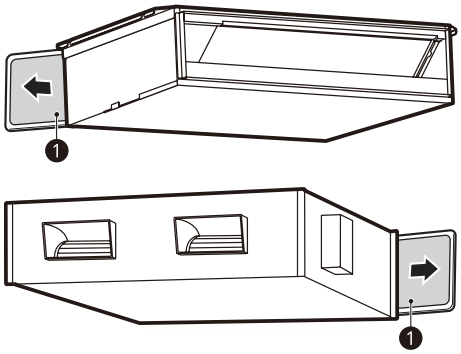
MANTENIMIENTO

Limpieza del filtro de aire

Los filtros de aire situados detrás de la rejillas frontal deberán comprobarse y limpiarse cada dos semanas o, si es necesario, con más frecuencia.

1 Retire los filtros de aire de la unidad interior.

- Agarre la lengüeta y tire ligeramente hacia delante para quitar el filtro.

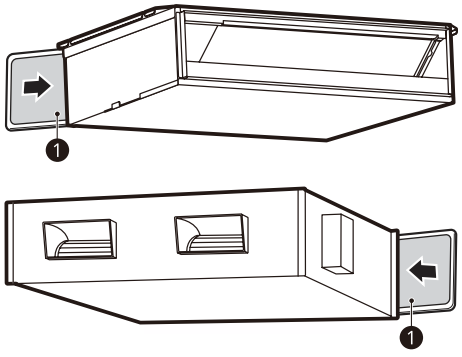


2 Limpie la suciedad del filtro de aire con una aspiradora o con agua.

- Si el filtro de aire está muy sucio u obstruido, lávelo con un detergente neutro en agua tibia.

3 Después de lavarlo con agua, séquelo bien a la sombra.

4 Instale el filtro de aire.



❶ Filtros de aire

⚠ PRECAUCIÓN

- Desconecte la unidad interior de la red eléctrica antes de proceder a su limpieza.
- No utilice agua a una temperatura superior a 40 °C (104 °F) para limpiar el filtro de aire. Puede causar deformación o decoloración.
- No utilice sustancias volátiles para limpiar el filtro de aire. Pueden dañar la superficie del aparato de aire acondicionado.
- Cuando retire el filtro de aire, no toque las partes metálicas de la unidad interior. Podría causar lesiones.

NOTA

- Apague el aparato antes de limpiarlo y pásele un paño suave y seco. No utilice lejía o abrasivos.
- Para secarlo, no exponga el filtro de aire a la luz solar directa o al calor del fuego.
- La función puede cambiar según el tipo de modelo.

Si el acondicionador de aire no va a utilizarse durante un periodo de tiempo prolongado

1 Active en el acondicionador de aire los siguientes ajustes durante 2-3 horas.
- Tipo de funcionamiento: modo de funcionamiento de ventilador.
- Esta acción secará los mecanismos internos.

2 Apague el disyuntor.

> **⚠ PRECAUCIÓN**
>
> - Apague el disyuntor si el acondicionador de aire no va a utilizarse durante un periodo de tiempo prolongado.
>   – La suciedad podría acumularse y provocar un incendio.

NOTA
- El polvo y las impurezas acumuladas en el filtro pueden bloquear el flujo de aire o debilitar las funciones de aire acondicionado.

Al utilizar el acondicionador de aire tras un periodo prolongado de no usarlo

1 Limpie el filtro de aire y vuelva a instalarlo en la unidad interior.

2 Compruebe que la entrada y la salida de aire de la unidad interior/exterior no estén bloqueadas.

3 Asegúrese de que el cable de conexión a tierra esté correctamente conectado.
- El cable de conexión a tierra se debe conectar en la unidad interior.

Consejos de funcionamiento

- No enfríe la habitación en exceso.
  – No resulta beneficioso para la salud y supone un desperdicio de electricidad.
- Mantenga las persianas o las cortinas cerradas.
  – No deje que la luz solar directa entre en la habitación mientras el acondicionador de aire está en funcionamiento.
- Asegúrese de que las puertas y las ventanas están bien cerradas.
  – En la medida de lo posible, evite abrir las puertas y las ventanas para mantener el aire frío dentro de la habitación.
- Limpie el filtro de aire de forma habitual.
  – Las obstrucciones del filtro de aire reducen el flujo de aire y los efectos de la refrigeración y la deshumidificación. Límpielo al menos una vez cada dos semanas.
- Ventile la habitación cada cierto tiempo.
  – Como las ventanas se mantienen cerradas, se recomienda abrirlas y ventilar la habitación con frecuencia.

SOLUCIÓN DE PROBLEMAS

Antes de llamar para solicitar servicio

Haga las siguientes comprobaciones antes de llamar al servicio técnico. Si el problema persiste, póngase en contacto con un centro de servicio de LG Electronics o con su distribuidor.

Síntomas	Posibles causas y solución
El acondicionador de aire no funciona.	**Ha ajustado el temporizador incorrectamente?**
	Se ha fundido el fusible o se ha activado el disyuntor?
se activa un sistema de detección de fugas de refrigerante R32.	**Si aparecen códigos de error como 228, 229 y 230, ventile la habitación y póngase en contacto con el personal autorizado inmediatamente.**
	Si hay un código de error de 236, el detector de fugas de refrigerante dispone de una vida útil de menos de 6 meses. Póngase en contacto con personal autorizado inmediatamente.
En la habitación se percibe un olor peculiar.	**Compruebe que no sea un olor a humedad procedente de las paredes, la alfombra, los muebles o las prendas de ropa que hay en la habitación.**
Parece que hay condensación en el acondicionador de aire.	**La condensación aparece cuando el flujo de aire del acondicionador de aire enfría el aire cálido de la habitación.**
El acondicionador de aire no funciona durante unos tres minutos después de reiniciarlo.	**Este es un mecanismo de protección.**
	Espere unos tres minutos y la unidad empezará a funcionar.
No enfría o calienta de forma eficaz.	**Está sucio el filtro de aire? Consulte las instrucciones de limpieza del filtro de aire.**
	Puede que en la habitación hiciese mucha calor cuando el acondicionador de aire se encendió por primera vez. Espere a que se enfríe.
	Se ha ajustado la temperatura incorrectamente?
	Están obstruidas las rejillas de entrada o salida de aire de la unidad interior?
El acondicionador de aire hace mucho ruido al funcionar.	**Se escucha un ruido parecido al del agua corriendo.** • Este es el sonido que genera el flujo del freón en el interior del acondicionador de aire.
	Se escucha un sonido parecido al aire comprimido liberándose a la atmósfera. • Este es el sonido que se genera al procesarse el agua deshumidificada en el interior del acondicionador de aire.
Se escucha un ruido de crujido.	**Este sonido lo genera la expansión o contracción de la rejilla de entrada u otros elementos debido a los cambios de temperatura.**
La pantalla del mando a distancia se muestra con debilidad o no se muestra nada en la pantalla.	**Están agotadas las pilas?**
	Están instaladas las pilas en la dirección opuesta correcta (+) y (-)?

NOTA

- El lado exterior del dispositivo es RESISTENTE AL AGUA. El lado interior no es resistente al agua y no debe exponerse a un exceso de agua.

GARANTÍA LIMITADA (EE.UU.)

Los términos y condiciones íntegros de la Garantía Limitada del producto, así como los requisitos de arbitraje, están disponibles en https://www.lghvac.com



US	Please call the installing contractor of your product, as warranty service will be provided by them.
CANADA	Service call Number # : (888) LG Canada, (888) 542-2623 Numéro pour les appels de service : LG Canada, 1-888-542-2623