

SINGLE-ZONE DUCT-FREE SPLIT SYSTEM AND MULTI F / MULTI F MAX PRODUCT OVERVIEW



Art Cool™ Mirror
Wall-Mounted



Art Cool™ Gallery
Wall-Mounted



Standard
Wall-Mounted



Ceiling-Concealed Duct



Four-Way Ceiling Cassette



Multi F MAX
Outdoor Unit



Art Cool™ Premier Outdoor Unit



Mega Outdoor Unit

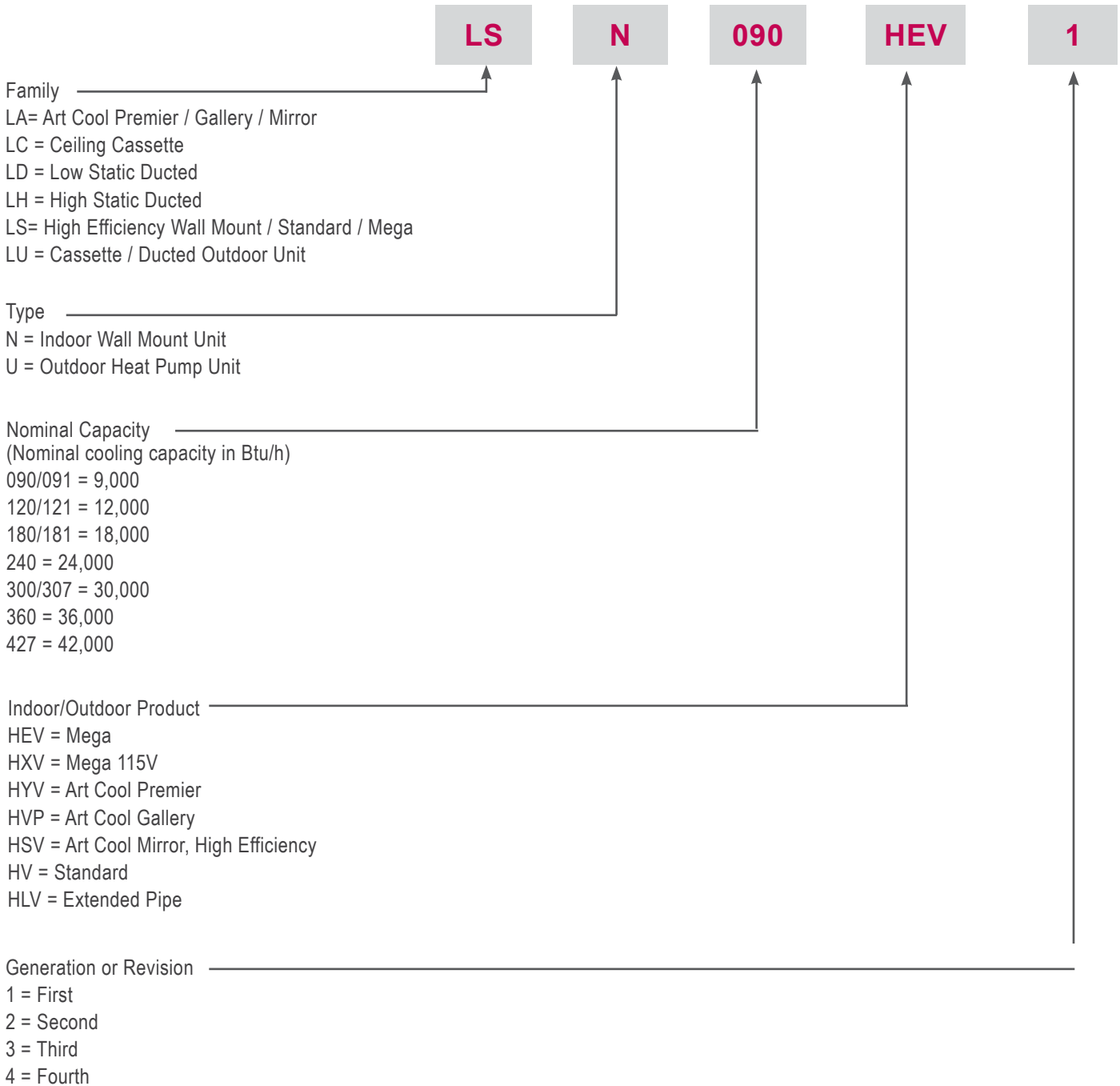
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UNIT NOMENCLATURE

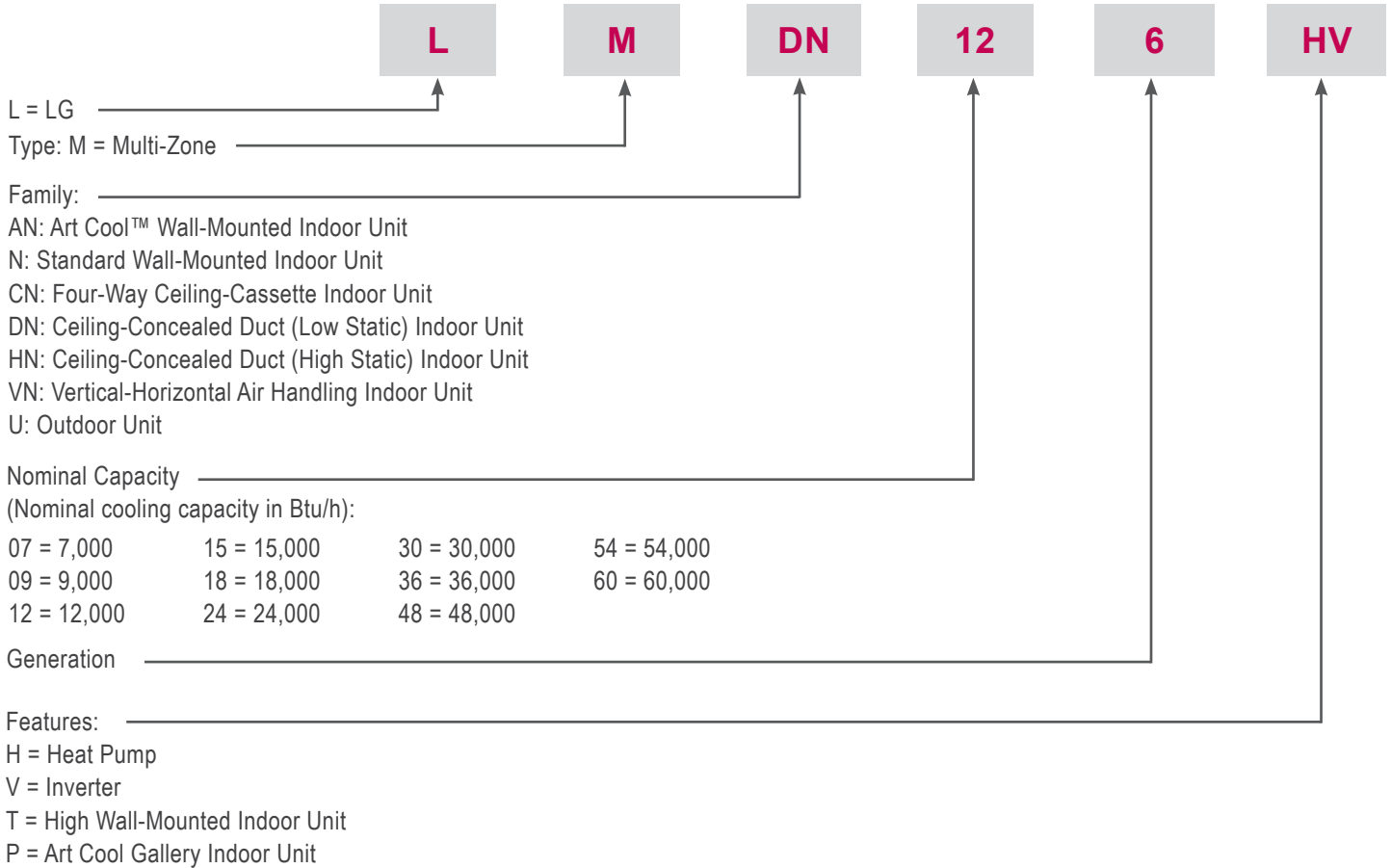
Single Zone — Indoor Units and Outdoor Units



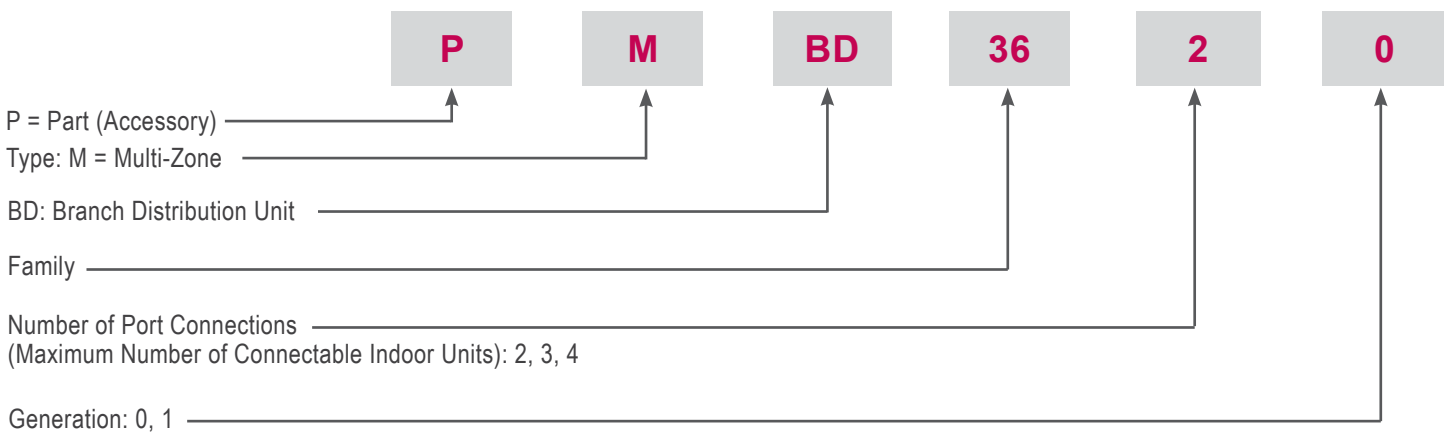
Single-Zone Duct-Free Split and Multi F / Multi F MAX Product Overview

UNIT NOMENCLATURE

Multi-Zone Systems — Indoor Units and Outdoor Units



Branch Distribution Units









Note:

- Voltage for all equipment is 208-230V, 60 Hz, 1-phase.
- All multi-zone indoor units are compatible with wired controllers.
- All multi-zone outdoor units are LGAP control network compatible with PI-485 V-net Control Integration Board (PMNFP14A1, sold separately).

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW













Table 1: Art Cool Gallery Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LA090HVP / 9,000	LAU090HVP 	30-5/16 x 21-1/2 x 11-5/16	LAN090HVP 	23-5/8 x 23-5/8 x 5-3/4	AKB73635607 
LA120HVP / 11,200	LAU120HVP 		LAN120HVP 		AKB73635607 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

Table 2: Art Cool Mirror Wall-Mounted Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LA090HSV4 / 9,000	LSU090HSV4 	30-5/16 x 21-1/2 x 11-5/16	LAN090HSV4* 	34-13/16 x 11-1/4 x 8-1/16	AKB73835317 
LA120HSV4 / 11,200	LSU120HSV4 		LAN120HSV4* 		AKB73835317 
LA180HSV4 / 18,200	LSU180HSV4 	34-1/4 x 31-1/2 x 12-19/32	LAN180HSV4* 	40-9/16 x 12-13/16 x 9-11/16	AKB73835317 
LA240HSV3 / 22,000	LAU240HSV3 		LAN240HSV3 		AKB73835320 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

*Multi-compatible indoor unit—works with the designated Single-Zone Outdoor Units and Multi F / Multi F MAX Outdoor Units.















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SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Single-Zone Duct-Free Split and Multi F / Multi F MAX Product Overview







Table 3: Art Cool Premier Wall-Mounted Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LA090HYV1 / 9,000	LAU090HYV1 	30-5/16 x 21-1/2 x 11-5/16	LAN090HYV1 	34-7/16 x 11-5/8 x 9-1/4	AKB73835320 
LA120HYV1 / 11,000	LAU120HYV1 		LAN120HYV1 		AKB73835320 
LA180HYV1 / 18,200	LAU180HYV1 	34-1/4 x 31-1/2 x 12-19/32	LAN180HYV1 	42-15/16 x 13 x 9-25/32	AKB74835304 
LA240HYV1 / 22,000	LAU240HYV1 		LAN240HYV1 		AKB74835304 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

Table 4: Mega 115V Wall-Mounted Systems.










System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LS090HXV / 8,500	LSU090HXV 	28-1/4 x 19-1/2 x 9-1/16	LSN090HXV 	34-27/32 x 11-1/4 x 8-9/32	AKB73456121 
LS120HXV / 12,000	LSU120HXV 		LSN120HXV 		AKB73456121 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Table 5: Mega Wall-Mounted Systems.


System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LS090HEV1 / 8,500	LSU090HEV1 	28-1/4 x 19-1/2 x 9-1/16	LSN090HEV1 	29-3/4 x 10-7/16 x 7-1/4	AKB73835318 
LS120HEV1 / 12,000	LSU120HEV1 		LSN120HEV1 		
LS180HEV1 / 17,000	LSU180HEV1 	30-5/16 x 21-1/2 x 11-5/16	LSN180HEV1 	40-9/16 x 12-13/16 x 9-13/16	AKB73835318 
LS240HEV1 / 22,000	LSU240HEV1 		LSN240HEV1 		

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Table 6: High Efficiency Wall-Mounted Systems.







System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LS090HSV4 / 9,000	LSU090HSV4 	30-5/16 x 21-1/2 x 11-5/16	LSN090HSV4* 	34-13/16 x 11-1/4 x 8-1/4	AKB73835317 
LS120HSV4 / 11,200	LSU120HSV4 		LSN120HSV4* 		AKB73835317 
LS180HSV4 / 18,200	LSU180HSV4 	34-1/4 x 31-1/2 x 12-19/32	LSN180HSV4* 	40-9/16 x 12-13/16 x 9-13/16	AKB73835317 
LS240HSV3 / 22,000	LSU240HSV3 		LSN240HSV3 		AKB73835313 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

*Multi-compatible indoor unit—works with the designated Single-Zone Outdoor Units and Multi F / Multi F MAX Outdoor Units.

Table 7: Standard Wall-Mounted Systems.










System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LS307HV3 / 30,000	LSU307HV3 	34-1/4 x 31-1/2 x 12-19/32	LSN307HV3 	47-19/32 x 13-5/8 x 9-11/32	AKB73835313 
LS360HV3 / 33,000	LSU360HV3 		LSN360HV3 		AKB73835313 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Table 8: Long Pipe Wall-Mounted Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LS240HLV / 22,000	LSU240HLV 	34-1/4 x 31-1/2 x 12-19/32	LSN240HLV 	46-7/8 x 13-5/8 x 10-7/16	AKB74055401 
LS300HLV / 30,000	LSU300HLV 		LSN300HLV 		AKB74055401 
LS360HLV / 33,000	LSU360HLV 		LSN360HLV 		AKB74055401 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

Table 9: Ceiling-Concealed Duct (Low Static) Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LD097HV4 / 9,000	LUU097HV 	30-5/16 x 21-15/32 x 11-11/32	LDN097HV4* 	25-31/32 x 7-15/32 x 27-9/16	PQRCVCL0QW 
LD127HV4 / 11,600	LUU127HV 		LDN127HV4* 		33-29/32 x 7-15/32 x 27-9/16

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

*Multi-compatible indoor unit—works with the designated Single-Zone Outdoor Units and Multi F / Multi F MAX Outdoor Units.

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Table 10: Ceiling-Concealed Duct (High Static) Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LH247HV / 24,000	LUU247HV 	37-13/32 x 32-27/32 x 13	LHN247HV 	46-17/32x11-23/32x17-23/32	PQRVCLOQW 
LH367HV / 36,000	LUU367HV 	37-13/32 x 54-11/32 x 13	LHN367HV 	48-7/16x14-31/32x23-7/32	PQRVCLOQW 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

SINGLE ZONE DUCT-FREE SPLIT SYSTEM OVERVIEW

Table 11: Four-Way Ceiling Cassette Systems.

System Model Number ¹ / Rated Cooling Capacity ² Btu/h	Outdoor Unit Model Number	Outdoor Unit Dimensions (W x H x D) (inches)	Indoor Unit Model Number	Indoor Unit Dimensions (W x H x D) (inches)	Controller
LC097HV4 / 9,000	LUU097HV 	30-5/16 x 21-15/32 x 11-11/32	LCN097HV4* 	22-7/16 x 8-7/16 x 22-7/16	PQWRHQ0FDB 
LC127HV4 / 11,100	LUU127HV 		LCN127HV4* 		PQWRHQ0FDB 
LC187HV / 18,000	LUU187HV 	37-13/32 x 32-27/32 x 13	LCN187HV 	33-1/16 x 8-1/32 x 33-1/16	PQWRHQ0FDB 
LC247HV / 24,000	LUU247HV 	37-13/32 x 32-27/32 x 13	LCN247HV 	33-1/16 x 8-1/32 x 33-1/16	PQWRHQ0FDB 
LC367HV / 36,000	LUU367HV 	37-13/32 x 54-11/32 x 13	LCN367HV 	33-1/16 x 11-11/32 x 33-1/16	PQWRHQ0FDB 
LC427HV / 42,000	LUU427HV 	37-13/32 x 54-11/32 x 13	LCN427HV 	33-1/16 x 11-11/32 x 33-1/16	PQWRHQ0FDB 

¹Model number shows nominal capacity and frame size designator.

²Rated 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).

*Multi-compatible indoor unit—works with the designated Single-Zone Outdoor Units and Multi F / Multi F MAX Outdoor Units.

MULTI F / MULTI F MAX OUTDOOR UNIT OVERVIEW

Table 12: 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	Max. Allowable Total Indoor Unit Connected Capacity Btu/h	No. of Connectable Indoor Units ³	Pipe Connections (inches, O.D.) (Liquid, Vapor)
Multi F Dual-Zone 	LMU18CHV	34-1/4 x 25 25/32 x 12-19/32	18,000	24,000	2-2	1/4 x 2 Each, 3/8 x 2 Each
Multi F Tri-Zone 	LMU24CHV	34-1/4 x 25 25/32 x 12-19/32	24,000	33,000	2-3	1/4 x 3 Each, 3/8 x 3 Each
Multi F Quad-Zone 	LMU30CHV	37-13/32 x 32-27/32 x 13	30,000	40,000	2-4	1/4 x 4 Each, 3/8 x 4 Each
	LMU36CHV		36,000	48,000		
Multi F MAX Eight-Zone 	LMU480HV	37-13/32 x 54-11/32 x 13	48,000	65,000	2-8	3/8 x 1 Each, 3/4 x 1 Each
	LMU540HV		54,000	73,000		
	LMU600HV		60,000	81,000		

¹Model number shows nominal capacity and frame size designator.

²Nominal 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).

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

MULTI F / MULTI F MAX INDOOR UNIT OVERVIEW

Table 13: 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)	Pipe Connections (inches, O.D.) (Liquid, Vapor)
Art Cool Mirror Wall-Mounted 	LAN090HSV4*	34-13/16 x 11-1/4 x 8-1/16	9,000	247 / 230 / 212	1/4, 3/8
	LAN120HSV4*		12,000	335 / 318 / 300	
	LAN180HSV4*	40-9/16 x 12-13/16 x 9-11/16	18,000	572 / 501 / 434	3/8, 5/8
Art Cool Gallery Wall-Mounted 	LMAN097HVP	23-5/8 x 23-5/8 x 5-25/32	9,000	272 / 208 / 155	1/4, 3/8
	LMAN127HVP		11,200	314 / 258 / 198	
Standard Wall-Mounted 	LMN078HVT	35-1/4 x 11-3/8 x 8-9/32	7,000	198 / 177 / 162	1/4, 3/8
	LSN090HSV4*	34-13/16 x 11-1/4 x 8-1/4	9,000	247 / 230 / 212	
	LSN120HSV4*		12,000	335 / 318 / 300	
	LMN158HVT	35-1/4 x 11-3/8 x 8-9/32	14,300	371 / 318 / 247	
	LSN180HSV4*	40-9/16 x 12-13/16 x 9-13/16	18,000	572 / 501 / 434	
	LMN248HVT		24,000	720 / 600 / 466	
Ceiling-Concealed Duct (Low Static) 	LDN097HV4*	27-9/16 x 7-15/32 x 27-9/16	9,000	318 / 247 / 194	1/4, 3/8
	LDN127HV4*	35-7/16 x 7-15/32 x 27-9/16	12,000	353 / 300 / 247	
	LMDN186HV		18,000	530 / 441 / 353	
Ceiling-Concealed Duct (High Static) 	LMHN240HV	46-17/32 x 11-23/32 x 17-23/32	24,000	688 / 618 / 530	1/4, 1/2
	LMHN360HV		36,000	1,130 / 953 / 706	3/8, 5/8
Four-Way Ceiling-Cassette 	LMCN077HV	Body: 22-7/16 x 8-7/16 x 22-7/16 Panel: 27-9/16 x 7/8 x 27-9/16	7,000	265 / 212 / 177	1/4, 3/8
	LCN097HV4*		9,000	300 / 265 / 230	
	LCN127HV4*		12,000	335 / 283 / 247	
	LMCN185HV		18,000	459 / 424 / 388	
Vertical-Horizontal Air Handling 	LMVN240HV	18 x 48-21/32 x 21-1/4	24,000	710 / 640 / 480	1/4, 1/2
	LMVN360HV		36,000	990 / 880 / 800	3/8, 5/8

¹Model number shows nominal capacity and frame size designator.

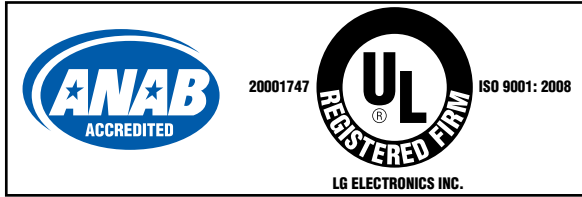
²Nominal capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

³H/M/L = High/Medium/Low.

*Multi-compatible indoor unit—works with the designated Single-Zone Outdoor Units and Multi F / Multi F MAX Outdoor Units.



Inverter



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