



# Single Zone Systems

Represented by RST Thermal, Inc. P: 781-320-9910, W: www.rstthermal.com



Art Cool™ Premier



Art Cool™ Gallery



Art Cool™ Mirror



Standard Wall Mounted



Wall Mounted Extended Piping



Mega



Ceiling Cassette



High Static Ducted



Low Static Ducted



Vertical AHU

System	Model	Energy Star	BTU/h		Max. Heat (BTUH) @ 5° F OAT¹	SEER	EER	HSPF	Voltage	Breaker Size (MOP)	PIPE SIZE		Pre Charge Lineset Length	Max Lineset Length	Max Elevation	Trim Charge	Outdoor Unit Operation Range		Base Pan Heater²- ODU ("S"-standard, "O"-optional)	Optional WiFi (Smart AC)	Optional PI-485	Optional Wired Controller
			Cool	Heat							Cooling	Heating										
ART COOL PREMIER	LA-090HYV1	ES-ME 2016	9.0K	11.0K	11.2K	27.5	15.7	12.0	208/230	15	1/4	3/8	41'	65.6'	32.8'	.22 oz/ft	14°F to 65°F		S	Y	N	
	LA-120HYV1		11.0K	12.0K	13.7K	25.5	13.8	12.0		15	1/4	3/8	41'	65.6'								
	LA-180HYV1		18.2K	22.0K	19.3K	24.0	13.5	12.5		25	3/8	5/8	24.6'	98.4'								
	LA-240HYV1		22.0K	27.0K	23.7K	22.0	12.5	12.0		25	3/8	5/8	24.6'	98.4'								
ART COOL GALLERY	LA-090HVP	ES	9.0K	10.8K	N/A	16.0	12.5	8.2	208/230	15	1/4	3/8	24.6'	49.2'	22.9'	.22 oz/ft	14°F to 65°F		S	N	N	
	LA-120HVP		11.2K	13.3K	N/A	16.0	12.0	8.2		15	1/4	3/8	24.6'	49.2'								
ART COOL MIRROR	LA-090HSV4	ES-ME 2016	9.0K	10.8K	9.6K	21.5	13.3	10.8	208/230	15	1/4	3/8	41'	65.6'	32.8'	.22 oz/ft	14°F to 65°F		S	N	N	
	LA-120HSV4		11.2K	13.3K	11.7K	21.5	12.5	11.0		15	1/4	3/8	41'	65.6'								
	LA-180HSV4		18.2K	22.0K	19.3K	20.5	12.6	9.7		25	3/8	5/8	24.6'	98.4'								
	LA-240HSV4		22.0K	27.6K	24.2K	20.0	10.8	10.0		30	3/8	5/8	24.6'	98.4'								
STANDARD WALL MOUNTED	LS-090HSV4	ES-ME 2016	9.0K	10.8K	9.6K	21.5	13.3	10.8	208/230	15	1/4	3/8	41'	65.6'	32.8'	.22 oz/ft	14°F to 118°F		S	Y	Y	
	LS-120HSV4		11.2K	13.3K	11.7K	21.5	12.5	11.0		15	1/4	3/8	41'	65.6'								
	LS-180HSV4		18.2K	22.0K	19.3K	20.5	12.6	9.7		25	3/8	5/8	24.6'	98.4'								
	LS-240HSV3		22.0K	27.6K	24.2K	20.0	10.8	10.0		30	3/8	5/8	24.6'	98.4'								
WALL MOUNTED Extended Piping	LS-307HV3	ES	30.0K	32.0K	28.1K	18.0	10.0	9.5	208/230	25	3/8	5/8	24.6'	98.4'	49.2'	.38 oz/ft	-4°F to 65°F		S	Y	Y	
	LS-360HV3		33.0K	35.2K	30.9K	16.1	8.2	9.9		25	3/8	5/8	24.6'	98.4'								
	LS-240HLV		22.0K	27.0K	23.7K	21.5	12.5	11.0		35	3/8	5/8	24.6'	164'								
	LS-300HLV		30.0K	32.0K	28.1K	18.5	10.0	10.0		35	3/8	5/8	24.6'	164'								
MEGA	LS-090HEV1	ES	8.5K	9.0K	N/A	19.0	12.5	9.0	115	15	1/4	3/8	24.6'	49.2'	22.9'	.22 oz./ft	14°F to 65°F		N/A	N	N	
	LS-120HEV1		12.0K	12.0K	N/A	17.0	10.5	9.2		15	1/4	3/8	24.6'	49.2'								
	LS-180HEV1		17.0K	19.0K	N/A	18.0	11.0	9.0		20	1/4	1/2	24.6'	65.6'								
	LS-240HEV1		22.0K	22.0K	N/A	17.0	10.8	9.0		20	1/4	5/8	24.6'	65.6'								
MEGA (115 VAC)	LS-090HXV	ES	8.5K	10.9K	N/A	17.0	12.0	9.0	208/230	20	1/4	3/8	24.6'	49.2'	22.9'	.22 oz./ft	14°F to 65°F		N/A	N	N	
	LS-120HXV		12.0K	13.0K	N/A	17.0	10.5	9.0		20	1/4	3/8	24.6'	49.2'								
CEILING CASSETTE	LC-187HV	ES	18.0K	20.0K	10.0K	20.0	15.0	10.1	208/230	30	3/8	5/8	25'	164'	98.4'	.43 oz/ft	5°F to 118°F		S	Y	Y	
	LC-247HV		24.0K	27.0K	16.7K	17.0	12.6	9.7		30	3/8	5/8	25'	164'								
	LC-367HV		36.0K	40.0K	21.5K	19.0	13.5	9.5		40	3/8	5/8	25'	246.1'								
	LC-427HV		42.0K	47.0K	24.2K	17.0	10.3	8.6		40	3/8	5/8	25'	246.1'								
HIGH STATIC DUCTED	LH-247HV	ES	24.0K	27.0K	14.6K	17.0	12.0	10.0	208/230	30	3/8	5/8	25'	164'	98.4'	.43 oz/ft	5°F to 118°F		S	Y	Y	
	LH-367HV		36.0K	40.0K	14.8K	17.6	12.1	9.2		40	3/8	5/8	25'	246.1'								

Notes: 1) Maximum Heating Output based on AHRI test conditions (70°F Indoor temp) with ductless indoor units.  
 2) For all units used for heating in a cold climate, recommended to install condensate drain pan heater (if not standard) P/N: PQSH1201

## HOW TO READ LG MODEL NUMBERS

SINGLE ZONE SYSTEMS - INDOOR/OUTDOOR

L	S	N	09	0	H	EV	1
Brand	Family	Component	Nominal Capacity	Generation	Cycle	Product Type	Features
Brand	L LG						
Family	A Art Cool Wall-Mounted C Four-Way Ceiling Cassette H Ceiling-Concealed Duct (High Static)						U Cassette/Duct ODU S Standard Wall-Mounted
Component	N Indoor Unit						U Outdoor Unit
Nominal Capacity	09 9,000 12 12,000 18 18,000 24 24,000						30 30,000 36 36,000 42 42,000
Generation	0-7						
Cycle	H Heat Pump						
Product Type	EV Mega Inverter LV Extended Pipe Inverter SV Art Cool Mirror Inverter High-Efficiency Inverter						V Standard Inverter VP Art Cool Gallery Inverter XV Mega 11.5v Inverter YV Art Cool Premier Inverter
Features	1-2-3-4 Model-Specific Features/Improvements						

## Multi Zone Systems- Indoor Units

System	Model	BTU/h		Pipe Size		Optional Wired Controller
		Cool	Heat	Liquid	Suction	
STANDARD WALL MOUNTED	LMN078HVT	7.0K	8.1K	1/4	3/8	Y
	LSN090HSV4	9.0K	10.4K	1/4	3/8	
	LSN120HSV4	12.0K	13.8K	1/4	3/8	
	LMN158HVT	14.3K	16.5K	1/4	3/8	
	LSN180HSV4	18.0K	20.8K	1/4	1/2	
	LMN248HVT	24.0K	27.0K	1/4	1/2	
ART COOL GALLERY	LMAN097HVP	9.0K	10.4K	1/4	3/8	Y
	LMAN127HVP	11.2K	13.3K	1/4	3/8	
ART COOL MIRROR	LAN090HSV4	9.0K	10.4K	1/4	3/8	Y
	LAN120HSV4	12.0K	13.8K	1/4	3/8	
LOW STATIC DUCTED	LMN180HSV4	18.0K	20.8K	1/4	1/2	Y
	LMDN096HV	9.0K	10.4K	1/4	3/8	
HIGH STATIC DUCTED	LMDN126HV	12.0K	13.8K	1/4	3/8	Y
	LMDN186HV	18.0K	20.8K	1/4	1/2	
VERTICAL/HORIZONTAL AHU (Electric Duct Heat Optional*)	LMHN240HV	24.0K	27.0K	1/4	1/2	Y
	LMVN360HV	36.0K	40.0K	3/8	5/8	
CEILING CASSETTE (PT-UQC Required)	LMCN077HV	7.0K	8.1K	1/4	3/8	Y
	LMCN097HV	9.0K	10.4K			
	LMCN125HV	12.0K	13.8K			
	LMCN185HV	18.0K	20.8K			

Notes: \*LMVN (Vertical/Horizontal AHU) has electric heat optional accessory:  
 5 kW Electric Heater (P/N: ANEH053B1) or 10 kW Electric Heater (P/N: ANEH103B2)

## Multi Zone Systems- Outdoor Units

System	Model	Energy Star		kBTU/h		Max Heat (BTUH) @ 5° F OAT¹	SEER	EER	HSPF	Voltage	Breaker Size (MOP)	Weight	PIPE SIZE		Pre Charge Lineset Length	Max Pipe Lineset Length	Max Elevation	Trim Charge	Min/Max IDUs	Outdoor Unit Operation Range		Base Pan Heater²- ODU ("S"-standard, "O"-optional)	Optional WiFi (Smart AC)	Optional PI-485
		DUCTLESS	MIXED DUCTED AND DUCTLESS	Cool	Heat								Cooling	Heating										
		MULTI-F OUTDOOR	LMU18CHV	ES	-								17.0	22						14,807	22.0			
LMU24CHV	ES		ES	20.0	24	14,595	21.7	13.5	10.6	20	99.2	1/4 (x3)	3/8 (x3)	73.8'	Total: 246.1' OD→ID: 82'	2/3								
LMU30CHV	ES		-	30.0	32	20,622	22.0	13.0	10.0	25	138.7	1/4 (x4)	3/8 (x4)	98.4'		2/4								
LMU36CHV	ES		-	32.0	36	22,057	22.0	13.0	10.0	25	138.7	1/4 (x4)	3/8 (x4)			2/4								
MULTI-F MAX OUTDOOR Requires BD Box	LMU480HV	ES	-	48.0	54	38,900	19.5	12.5	10.0	208/230	40	223.0	3/8 (x1)	3/4 (x1)	Main: 16.4' Branch: 131.2'	Total: 475.7' OD→ID: 229.6'	.54 oz/ft Branch: .22 oz/ft	2/8	14°F to 118°F	-4°F to 84°F	O - PQSH1200 FOR ALL MULTI ZONE	YES, IF USING LSN*HSV4 AND LMN**8 SERIES IDU AND IDU DATE CODE 511 AND BEYOND (NOVEMBER 2015 PRODUCTION)	Y	
	LMU540HV	-	-	52.5	58	41,137	18.4	10.3	8.7		40	223.0	3/8 (x1)	3/4 (x1)	Main: 16.4' Branch: 131.2'	Total: 475.7' OD→ID: 229.6'								
	LMU600HV	-	-	60.0	64	-	20.5	11.4	11.0		45	223.0	3/8 (x1)	3/4 (x1)	Main: 16.4' Branch: 131.2'	Total: 475.7' OD→ID: 229.6'								

Notes: Base Pan Heater Optional for all Multi-F Outdoor Equipment, P/N: PQSH1200. Recommended for all cold climates.  
 Ratings are shown for ductless system combinations and standard piping runs. Refer to LG Engineering manual for actual rated IDU/ODU output.

## Accessories for Single and Multi Zone Systems

General Accessories:	
PREMTA000	Premium Wired Controller (Color Digital Screen)
PREMTB10U	Programmable Wired Controller (Black and White Screen)
PCRCUDT3	Smart AC (WiFi control through phone/internet)
PDRYCB300	Third Party T-stat Dry Contact Interface (connect with non LG T-stat)
PMNFP14A1	PI-485 Interface Device
PACS4B0000	Central Controller
PQNF17C1	BacNet Gateway
PQNF16A1	LONworks Gateway
ZLABGP01A	Wind Baffle for 0°F low ambient cooling for 9k/12k: HSV4, HYV1, HVP
ZLABGP02A	Wind Baffle for 0°F low ambient cooling for 18k: HSV4, HV3, HLV, HYV1 and 24k: HSV2, HSV3, HYV1
ZLABGP03A	Wind Baffle for 0°F low ambient cooling for LMU18CHV, LMU24CHV
ZLABGP04A	Wind Baffle for 0°F low ambient cooling for LMU30/36CHV, LUU18/247HV (Qty 1), LMU48/54HV, LUU36/427HV (Qty 2)
PQSH1200	Base Pan Heater (ODU) for all Multi F product
PQSH1201	Base Pan Heater (ODU) for LSU180HSV4, LAU240HSV3

## Branch Boxes for Multi F Max (LMU 480, 540, 600)

System	Model	Description	Voltage	Amps	Weight	PIPE SIZE		Max Pipe Length	Max Elevation	Operation Range	
						Liquid	Suction			Cooling	Heating
MULTI-F MAX PIPING ACCESSORIES (LMU480HV & LMU540HV ONLY)	PMBD3620	Distribution Box (2 Ports)	208/230	0.08	13.0	in 3/8 out 1/4 (x2)	in 3/4 out 3/8 (x2)	BD→ID: 49.2'	BD→ID: 32.8' BD→BD: 49.2'	0°F to 122°F	
	PMBD3630	Distribution Box (3 Ports)		0.12	14.3	in 3/8 out 1/4 (x3)	in 3/4 out 3/8 (x3)				
	PMBD3640	Distribution Box (4 Ports)		0.16	15.7	in 3/8 out 1/4 (x4)	in 3/4 out 3/8 (x4)				
	PMBD3641	Distribution Box (4 Ports w/ one sized for 36K IDU)		0.16	15.7	in 3/8 out 1/4 + (1) 3/8	in 3/4 out 3/8 (x3) + 5/8 (x1)				
	PMBL5620	Y Branch Connector		N/A	N/A	N/A	N/A				

## State and Utility Rebates

LG Products qualify for rebates and financial incentives from all state and local utilities in New England. Due to the constantly changing incentives please reach out to us or your LG Authorized Distributor for more information.

At the release of this document, LG products qualify for:  
**Cool Smart Rebate**



**LMU18CHV**

Grey cells indicate up to 130% Capacity Ratio Allowance						
24	W	= Wall Only Type			BTU/h	Total
24	W/D	= Wall or Ducted Type			Connected Capacity	Remainder Available
7	7				14	0
7	9				16	0
7	12				19	0
7	15				22	0
9	9				18	0
9	12				21	0
9	15				24	0
12	12				24	0

**LMU24CHV**

Grey cells indicate up to 130% Capacity Ratio Allowance						
24	W	= Wall Only Type			BTU/h	Total
24	W/D	= Wall or Ducted Type			Connected Capacity	Remainder Available
7	7				14	17
7	9				16	17
7	12				19	14
7	15				22	11
7	18				25	8
7	24	W			31	0
9	9				18	15
9	12				21	12
9	15				24	9
9	18				27	0
9	24	W			33	0
12	12				24	9
12	18				30	0
15	15				30	0
15	18				33	0
7	7	7			21	0
7	7	9			23	0
7	7	12			26	0
7	7	15			29	0
7	7	18			32	0
7	9	9			25	0
7	9	12			31	0
7	9	15			31	0
7	9	18			32	0
7	9	24	W		38	0
9	9	9			27	0
9	9	12			30	0
9	9	15			33	0
9	9	18			36	0
9	12	12			33	7
9	12	15			36	0
9	12	18			39	0
9	15	15			39	0
12	12	12			36	0
7	7	7	7		28	0
7	7	7	12		33	0
7	7	7	15		36	0
7	7	7	18		39	0
7	7	9	9		32	0
7	7	9	12		35	0
7	7	9	15		38	0
7	7	12	12		38	0
7	9	9	9		34	0
7	9	9	12		37	0
7	9	9	15		40	0
7	9	12	12		40	0
9	9	9	9		36	0
9	9	9	12		39	0

**LMU30CHV**

Grey cells indicate up to 130% Capacity Ratio Allowance						
24	W	= Wall Only Type			BTU/h	Total
24	W/D	= Wall or Ducted Type			Connected Capacity	Remainder Available
7	7				14	26
7	9				16	24
7	12				19	21
7	15				22	18
7	18				25	15
7	24	W/D			31	*9 Non-Duct
9	9				18	22
9	12				21	19
9	15				24	16
9	18				27	13
9	24	W			33	*7 Non Duct
12	12				24	16
12	15				27	13
12	24	W			36	0
15	15				30	10
15	18				33	7
15	24	W			39	0
18	18				36	0
7	7	7			21	19
7	7	9			23	17
7	7	12			26	14
7	7	15			29	11
7	7	18			32	8
7	7	24	W		38	0
7	9	9			25	15
7	9	12			28	12
7	9	15			31	9
7	9	18			34	0
7	9	24	W		40	0
7	12	12			31	9
7	12	15			34	0
7	12	18			37	0
7	15	15			37	0
7	15	18			40	0
9	9	9			27	13
9	9	12			30	10
9	9	15			33	0
9	9	18			36	0
9	12	12			33	7
9	12	15			36	0
9	12	18			39	0
9	15	15			39	0
12	12	12			36	0
7	7	7	7		28	0
7	7	7	12		33	0
7	7	7	15		36	0
7	7	7	18		39	0
7	7	9	9		32	0
7	7	9	12		35	0
7	7	9	15		38	0
7	7	12	12		38	0
7	9	9	9		34	0
7	9	9	12		37	0
7	9	9	15		40	0
7	9	12	12		40	0
9	9	9	9		36	0
9	9	9	12		39	0

**LMU36CHV**

Grey cells indicate up to 130% Capacity Ratio Allowance						
24	W	= Wall Only Type			BTU/h	Total
24	W/D	= Wall or Ducted Type			Connected Capacity	Remainder Available
7	7				14	34
7	9				16	32
7	12				19	29
7	15				22	26
7	18				25	23
7	24	W/D			31	17
9	9				18	30
9	12				21	27
9	15				24	24
9	18				27	21
9	24	W/D			33	15
12	12				24	24
12	15				27	21
12	24	W/D			36	12
15	15				30	18
15	18				33	15
15	24	W/D			39	9
18	18				36	12
18	24	W			42	0
24	24	W	24	W	48	0
7	7	7			21	27
7	7	9			23	25
7	7	12			26	22
7	7	15			29	19
7	7	18			32	16
7	7	24	W/D		38	*10 Non Ducted
7	9	9			25	23
7	9	12			28	20
7	9	15			31	17
7	9	18			34	14
7	9	24	W/D		40	*8 Non Ducted
7	12	12			31	17
7	12	15			34	14
7	12	18			37	11
7	12	24	W		43	0
7	15	15			37	11
7	15	18			40	8
7	18	18			43	0
7	15	24	W		46	0
9	9	9			27	21
9	9	12			30	18
9	9	15			33	15
9	9	18			36	12
9	9	24	W		42	0
9	12	12			33	15
9	12	15			36	12
9	12	18			39	9
9	12	24	W		45	0
9	15	15			39	9
9	15	18			42	0
9	15	24	W		48	0
9	18	18			45	0

**LMU36CHV (continued)**

Grey cells indicate up to 130% Capacity Ratio Allowance						
24	W	= Wall Only Type			BTU/h	Total
24	W/D	= Wall or Ducted Type			Connected Capacity	Remainder Available
12	12	12			36	12
12	12	18			42	0
12	12	24	W		48	0
12	15	15			42	0
12	15	18			45	0
12	18	18			48	0
15	15	15			45	0
15	15	18			48	0
7	7	7	7		28	0
7	7	7	9		30	0
7	7	7	12		33	0
7	7	7	15		36	0
7	7	7	18		39	0
7	7	7	24	W	45	0
7	7	9	9		32	0
7	7	9	12		35	0
7	7	9	15		38	0
7	7	9	18		41	0
7	7	9	24	W	47	0
7	7	12	12		38	0
7	7	12	15		41	0
7	7	12	18		44	0
7	7	15	15		44	0
7	7	15	18		47	0
7	9	9	9		34	0
7	9	9	12		37	0
7	9	9	15		40	0
7	9	9	18		43	0
7	9	12	12		40	0
7	9	12	15		43	0
7	9	12	18		46	0
7	9	15	15		46	0
12	12	12	12		48	0
9	9	9	9		36	0
9	9	9	12		39	0
9	9	9	15		42	0
9	9	9	18		45	0
9	9	12	12		42	0
9	9	12	15		45	0
9	9	12	18		48	0
9	9	15	15		48	0
9	12	12	12		45	0
9	12	12	15		48	0
12	12	12	12		48	0



Art Cool™ Premier



Art Cool™ Gallery



Art Cool™ Mirror



Standard Wall Mounted



Wall Mounted Extended Piping



Mega



Ceiling Cassette



High Static Ducted



Low Static Ducted



Vertical AHU



**HOW TO READ LG MODEL NUMBERS**

MULTI ZONE SYSTEMS – INDOOR/OUTDOOR						
L	M	N	15	8	HV	T
Brand	Family	Product	Nominal Capacity	Generation	Cycle/Type	Style
Brand	L	LG				
Family	M	Multi Zone				
Product	AN	Art Cool Wall-Mounted Indoor Unit	N	Standard Wall-Mounted Indoor Unit		
	CN	Four-Way Ceiling-Cassette Indoor Unit	U	Outdoor Unit		
	DN	Ceiling-Concealed Duct (Low-Static) Indoor Unit	VN	Vertical-Horizontal Air Handling Indoor Unit		
	HN	Ceiling-Concealed Duct (High-Static) Indoor Unit				