



Art Cool™ Premier



Art Cool™ Gallery



Art Cool™ Mirror



High Efficiency Wall Mounted



Extended Piping Wall Mounted



Mega



Ceiling Cassette



High Static Ducted



Low Static Ducted



Vertical AHU



ES =



Most Efficient
2018

ES-ME=

Residential/Light Commercial Systems Counter Quick Reference Guide

For additional detail
visit www.lg-dfs.com.

Single-Zone Systems

System		Model	ENERGY STAR®	kBtu/h		SEER	EER	HSPF	Voltage	Rated Amps	MCA	MOP	Weight (lbs)		Pipe Size (in)		Pre Charge	Max Pipe Length	Max Elevation	Trim Charge (oz/ft)	Operation Range		Smart ThinQ ²	PI-485 ²	Wired Controller ²	LAK ³			
				Cool	Heat								IDU	ODU	Liquid	Suction					Cooling	Heating							
Wall Mounted	Art Cool™ Mirror 	LA-090HSV5	ES-ME	9	10.9	23.5	14.52	11.3	208/230	7.4	10	15	21	75	1/4	3/8	41'	82'	49.2'	.22	14° to 118°F	-4° to 65°F	Built In	Y	Y	Y			
		LA-120HSV5		12	13.6	22.7	12.5	11.4		7.4	10	15	21	75	1/4	3/8	41'	82'	49.2'										
		LA-180HSV5		18	21.6	21.5	12.58	10.2		9.85	13	20	30	117	3/8	5/8	24.6'	114.8'	49.2'	.38									
		LA-240HSV3		–	22	27.6	20	10.8		10	15.4	19	25	32	121	3/8	5/8	24.6'	98.4'	49.2'			N						
	Art Cool™ Premier 	With LGRED® Heat	LA-090HYV1	ES-ME	9	11	27.5	15.7		12	8.7	11.2	15	24	77	1/4	3/8	41'	65.6'	32.8'	.22	14° to 118°F	-13° to 65°F	Y	N	Y	Y		
			LA-120HYV1		11	12	25.5	13.8		12	8.7	11.2	15	24	77	1/4	3/8	41'	65.6'	32.8'									
			LA-150HYV2		15	18	24	13.5		12.5	15	19	25	34	122	3/8	5/8	24.6'	98.4'	65.6'	.38								
			LA-180HYV2		18.2	22	22	12.5		12	15	19	25	34	122	3/8	5/8	24.5'	98.4'	65.6'									
	LA-180HYV1	18.2	22		24	13.5	12.5	15.3		19	25	34	122	3/8	5/8	24.6'	98.4'	65.6'	.38										
	LA-240HYV1	22	27		22	12.5	12	15.3		19	25	34	122	3/8	5/8	24.6'	98.4'	65.6'											
	Extended Piping 	LS-243HLV	ES-ME		22	27	21.5	12.5		11	14.85	19	25 ⁹	40	125	3/8	5/8	24.6'	164'	98.4'	.38			14° to 118°F	-4° to 65°F	Built In	Y	Y	Y
		LS-303HLV			30	32	18.5	10		10	14.85	19	25 ⁹	40	125	3/8	5/8	24.6'	164'	98.4'									
		LS-363HLV	–	33	35.2	16.5	8.2	10		14.85	19	25 ⁹	40	125	3/8	5/8	24.6'	164'	98.4'	.38	14° to 118°F	-4° to 65°F	Built In	Y	Y	Y			
		High Efficiency 	LS-090HSV5	ES-ME	9	10.9	23.5	14.52		11.3	7.4	10	15	19	75	1/4	3/8	41'	82'								49.2'	.22	14° to 118°F
	LS-120HSV5		12		13.6	22.7	12.5	11.4		7.4	10	15	19	75	1/4	3/8	41'	82'	49.2'										
	LS-180HSV5		18		21.6	21.5	12.58	10.2		9.85	13	20	27	117	3/8	5/8	24.6'	114.8'	49.2'	.38									
	MEGA	LS-090HEV1	ES	8.5	9	19	12.5	9		7.5	10	15	17	62	1/4	3/8	24.6'	49.2'	22.9'	.22	14° to 118°F	14° to 65°F	N	N	N	N			
		LS-120HEV1	–	12	12	17	10.5	9.2		7.5	10	15	23	62	1/4	3/8	24.6'	49.2'	22.9'										
		LS-180HEV1	–	17	19	18	11	9		9.61	12	20	28	78	1/4	1/2	24.6'	65.6'	32.8'	.33									
		LS-240HEV1	–	22	22	17	10.8	9		11.52	15	20	28	95	1/4	5/8	24.6'	65.6'	32.8'										
	MEGA (115v)	LS-090HXV	–	8.5	10.9	17	12	9	115	10.4	13.5	20	23	67	1/4	3/8	24.6'	49.2'	22.9'	.22	14° to 118°F	14° to 65°F	N	N	Y	N			
		LS-120HXV		12	13	17	10.5	9		10.4	13.5	20	23	67	1/4	3/8	24.6'	49.2'	22.9'										
Ceiling Mounted	Ceiling Cassette (Requires Grille-See Accessories Table ⁵)	LC-097HV4	ES	9	11	20.2	13.7	10.5	9.65	11.9	15	31	82	1/4	3/8	24.6'	65.6'	49.2'	.22	0° to 118°F	-4° to 64°F	N	Y	Y	Y				
		LC-127HV4		11.1	14	19.4	12.6	10.4	10.1	12.3	15	31	82	1/4	3/8	24.6'	65.6'	49.2'											
		LC-187HV		18	20	20	15	10.1	14.7	18.1	30	46	133	3/8	5/8	25'	164'	98.4'											
		LC-247HV		24	27	17	12.6	9.7	15.1	18.1	30	46	133	3/8	5/8	25'	164'	98.4'	.43	5° to 118°F	0° to 64°F								
		LC-367HV		36	40	19	13.5	9.5	20.8	24.5	40	55	203	3/8	5/8	25'	246.1'	98.4'											
		LC-427HV		–	42	47	17	10.3	8.6	20.8	24.5	40	55	203	3/8	5/8	25'	246.1'								98.4'			
Ducted	High Static	LH-247HV	–	24	27	17	12	10	15.1	18.1	30	73	133	3/8	5/8	25'	164'	98.4'	.43	5° to 118°F	0° to 64°F	N	Y	Y	Y				
		LH-367HV		36	40	17.6	12.1	9.2	21.4	24.5	40	125	203	3/8	5/8	25'	246.1'	98.4'											
	Low Static	LD-097HV4	ES	9	14	18.5	12.7	10.3	9.65	11.9	15	39	82	1/4	3/8	24.6'	65.6'	49.2'	.22	0° to 118°F	-4° to 64°F	N	Y	Y	Y				
		LD-127HV4		11.6	16	19.6	12.9	10.5	10.1	12.3	15	51	82	1/4	3/8	24.6'	65.6'	49.2'											
	Vertical AHU 	LV-180HV4	ES	18	20	19	13.3	9.5	15.1	20	30	129	129	3/8	5/8	24.6'	164'	98.4'	.43	5° to 118°F	-4° to 64°F	Y	Y	Y	Y				
		LV-240HV4		24	27	18	12.5	10	15.1	20	30	129	129	3/8	5/8	24.6'	164'	98.4'											
		LV-360HV4		36	40	18	12.5	10	24.2	32	40	165	203	3/8	5/8	24.6'	246'	98.4'											
		LV-420HV	–	42	47	17	11.1	10	24.2	32	40	165	203	3/8	5/8	24.6'	246'	98.4'											
LV-480HV		–	48	56	16.5	10	9.5	24.2	32	40	165	203	3/8	5/8	24.6'	246'	98.4'												

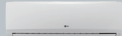
Multi-Zone Systems – Indoor

Unit Type		Model	kBtu/h		Voltage	Rated Amps	Weight (lbs)	Pipe Size (in)	
			Cool	Heat				Liquid	Suction
Wall Mounted	Art Cool™ Gallery	LMAN097HVP	9	10.4	208/230	0.2	32	1/4	3/8
		LMAN127HVP	11.2	13.3		0.2	32	1/4	3/8
	Art Cool™ Mirror	LAN090HSV5	9	10.9		0.4	20.5	1/4	3/8
		LAN120HSV5	12	13.6		0.4	20.5	1/4	3/8
		LAN180HSV5	18	21.6		0.4	29.8	1/4	1/2
		LMN079HVT	7	8.1		0.4	18.3	1/4	3/8
	High Efficiency	LSN090HSV5	9	10.9		0.4	18.3	1/4	3/8
		LSN120HSV5	12	13.6		0.4	18.3	1/4	3/8
		LMN159HVT	14.3	15.6		0.4	18.3	1/4	3/8
		LSN180HSV5	18	21.6		0.4	25.6	1/4	1/2
		LMN249HVT	24	25.6		0.4	25.6	1/4	1/2
Ceiling Mounted	4-Way Cassette (PT-UQC/PT-QCHW0 Required)	LMCN077HV	7	8.1	0.25	31	1/4	3/8	
		LCN097HV4	9	11	0.25	31	1/4	3/8	
		LCN127HV4	11.1	14	0.25	31	1/4	3/8	
		LMCN185HV	18	20.8	0.25	34	1/4	1/2	
		LDN097HSV4	9	10.4	0.4	39	1/4	3/8	
Ducted	Low Static	LDN127HSV4	12	13.8	0.8	51	1/4	3/8	
		LMDN186HV	18	20.8	0.8	51	1/4	1/2	
	High Static	LMHN240HV	24	27	0.9	80	1/4	1/2	
		LMHN360HV	36	40	1.4	91	3/8	5/8	
	Vertical AHU	LVN180HV4	18	20	1.1	129	1/4	1/2	
		LVN240HV4	24	27	1.1	129	1/4	1/2	
		LVN360HV4	36	40	2.2	165	3/8	5/8	
LMVN360HV		36	40	1.12	121	3/8	5/8		

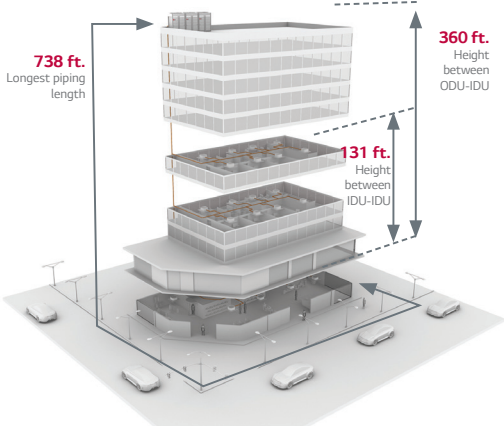
• Heat Pump • Heat Recovery

System			Frames	Dimensions (in)	Tons																									
					2	3	4	4.4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48	
Multi V [™] Outdoor	Air Source	Multi V 5	- Heat Pump and Heat Recovery in the same chassis - Available in 208-230V and 460V		48-7/8 x 66-1/2 x 30																									
					100-1/2 x 66-1/2 x 30																									
					155 x 66-1/2 x 30																									
	Multi V Space II	- Heat Pump System - Single-Phase Power		29-1/2 x 70-1/2 x 25-1/2																										
	Multi V S	- Heat Pump System - Single-Phase Power		Single: 37-13/32 x 32-27/32 x 13 Dual: 37-13/32 x 53-3/8 x 13																										
Water Source	Multi V Water IV 208-230V	Heat Pump and Heat Recovery Systems		29-3/4 x 39-1/4 x 19-3/4																										
				63-1/2 x 39-1/4 x 19-3/4																										
				97-1/4 x 39-1/4 x 19-3/4																										
	Multi V Water IV 460V	Heat Pump and Heat Recovery Systems		29-3/4 x 39-1/4 x 19-3/4																										
				63-1/2 x 39-1/4 x 19-3/4																										
				97-1/4 x 39-1/4 x 19-3/4																										
	Multi V Water Mini	- Compact for Indoors - Single-Phase Power		20-5/8 x 42-1/2 x 13-1/8																										

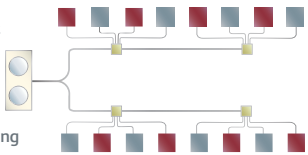
Multi V™ Indoor

Chassis			kBtu/h														
			5	7	9	12	15	18	24	28	30	36	42	48	54	76	96
Art Cool™	Gallery (Customizable Picture Frame)				•	•											
	Mirror		•	•	•	•	•	•	•								
Standard	Wall Mount		•	•	•	•	•	•	•		•	•					
Ceiling Cassette¹	1-Way			•	•	•		•	•								
	2-Way							•	•								
	4-Way (2'x2')		•	•	•	•	•	•									
	4-Way (3'x3')			•	•	•	•	•	•	•		•	•	•			
Ceiling Concealed Duct¹	Low Static (Bottom Return)			•	•	•	•	•	•								
	Low Static (Convertible)			•	•	•	•	•	•								
	High Static			•	•	•	•	•	•	•		•	•	•	•	•	•
Vertical AHU	Vertical / Horizontal					•		•	•		•	•	•	•	•		
Floor Standing	With Case			•	•	•	•	•	•								
	Without Case			•	•	•	•	•	•								

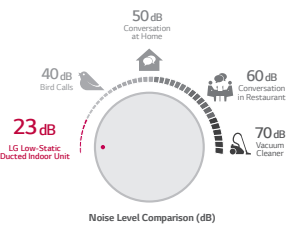
MULTI V 5
1. High Elevation Piping Distances – 3,280 ft. total piping length
NOTE: All piping lengths are equivalent. Refer to LATs or the engineering manual for all piping limitations and sizes.

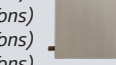
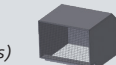
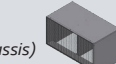
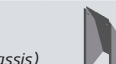
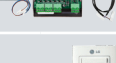


2. Optimized Heat Recovery Piping
- Flexible piping layout reduces materials and labor costs during installation
 - LG Heat Recovery Unit (HRU) is quiet, compact, lightweight, and does not need condensate drains¹
 - Configured for fully independent heating and cooling, ensuring occupant comfort



3. Quiet Operation
- Quiet indoor unit operation down to 23 dB(A), comparable to the sound of rustling leaves
4. Operation Range
- Industry-leading operation ranges without additional accessories or performance deficits:
 - Heating: -13°F to 61°F WB
 - Cooling: 5°F to 122°F DB
 - Simultaneous Cooling: 14°F to 81°F DB



Control Accessories	Control Accessories	Control Accessories
Control Accessories	Remote Temperature Button Sensor ZRTBS01	
	Group Control Wire PZCWRCG3	
	Extension Cable PZCWRC1	
	ZigBee Pro Wireless Card ZVRCZPWC1	
LG MultiSITE™ Remote Controller Accessories	Wireless Door/Window Switch ZVRCZDWS1	
	Wireless Wall Occupancy Sensor ZVRCZWOC1	
	Wireless Ceiling Occupancy Sensor ZVRCZCOC1	
	LON Module ZHWLONWK0	
LG MultiSITE™ Communications Manager Accessories	Wall Power Adapter ZHWPWADTR	
	Communication Kit PAHCMR000/PAHCMS000	
Air Handling Unit (AHU) Modules	EER Kit PRLK048A0 (up to 8 Tons) PRLK096A0 (up to 16 Tons) PRLK396A0 (up to 32 Tons) PRLK594A0 (up to 48 Tons)	
ERV	PI-485 For ERV PSNFP14A0	
	CO2 Sensor PES-CORVO	
Air Guide	ZAGDKA51A for Multi V 5 (6 Ton Chassis)	
	ZAGDKA52A for Multi V 5 (8-20 Ton Chassis)	
Hail Guard	ZHGDKA51A for Multi V 5 (6 Ton Chassis)	
	ZHGDKA52A for Multi V 5 (8-20 Ton Chassis)	
Low Ambient Baffle Kit (requires PRVC2)	ZLABKA51A for Multi V 5 (6 Ton Chassis)	
	ZLABKA52A for Multi V 5 (8-20 Ton Chassis)	
Wind Baffle (two required per unit)	ZLABGP04A for Multi V 5	
Outdoor Unit	Low Ambient Kit PRVC2	
	Cool / Heat Selector PRDSBM	
Water Source	Variable Water Flow Control Kit PWFCN000/PRVC1	

Controls	Individual Controllers	Remote Controllers
Individual Controllers	Remote Controllers	LG MultiSITE™ CRC1+ PREMTBVC1
		LG MultiSITE™ CRC1 PREMTBVC0
		Premium Programmable PREMTA000
		Standard Programmable PREMTB10U
Central Controllers	System	Wireless Remote Controller PQWRHQOFDB
		Simple Remote Controller PREMTCO0U
		AC Smart IV PACS4B000
		ACP IV PACP4B001
System Integration Devices	Gateway	LG MultiSITE™ VM3 PBACNBTR1A
		LG MultiSITE™ CM PBACNBTR0A
		AC Smart IV BACnet PBACNA000
		ACP IV BACnet PQNFB17C2
Application Controllers	Application Controllers	ACP LonWorks PLNWKB100
		Dry Contact for Thermostat PDRYCB300
		Dry Contact for Economizer/Setback PDRYCB400
		Simple Dry Contact PDRYCB100
Heat Recovery Units	Heat Recovery Units	PDI (Power Distribution Indicator) Premium (8 port) PQNUD1S41 Standard (2 port) PPWRDB000
		IO Module (Input / Output Module) PEXPMB000

PRHR022A (2-branch Unit)
PRHR032A (3-branch Unit)
PRHR042A (4-branch Unit)

¹ Includes a factory installed condensate pump with 27in lift