

MEGA



LS090HEV1
LS090HXV
LS120HEV1
LS120HXV
LS180HEV1
LS240HEV1



Specification	Unit	LS090HEV1	LS090HXV	LS120HEV1	LS120HXV	LS180HEV1	LS240HEV1
Indoor Unit		LSN090HEV1	LSN090HXV	LSN120HEV1	LSN120HXV	LSN180HEV1	LSN240HEV1
Outdoor Unit		LSU090HEV1	LSU090HXV	LSU120HEV1	LSU120HXV	LSU180HEV1	LSU240HEV1
Rated Cooling Capacity	Btu/h	8,500	8,500	12,000	12,000	17,000	22,000
Cooling Capacity Range	Btu/h	3,070 - 9,500	1,023 - 13,785	3,070 - 13,780	1,023 - 13,785	3,685 - 18,493	3,685 - 24,000
Rated Heating Capacity	Btu/h	9,000	10,900	12,000	13,000	19,000	22,000
Heating Capacity Range	Btu/h	3,070 - 10,500	1,023 - 22,178	3,070 - 13,780	1,023 - 22,178	3,685 - 22,997	3,685 - 24,226
Max Heating Capacity at 17°F	Btu/h	9,140	11,070	12,180	13,200	19,290	22,340
SEER, EER		19.0, 12.5	17.0, 12.01	17.0, 10.52	17.0, 10.5	18.0, 10.97	17.0, 10.76
HSPF		9.0	9.0	9.2	9.0	9.0	9.0
Power							
Voltage (IDU)	V, Ø, Hz	208/230-1-60	115-1-60	208/230-1-60	115-1-60	208/230-1-60	208/230-1-60
Voltage (ODU)	V, Ø, Hz	208/230-1-60	115-1-60	208/230-1-60	115-1-60	208/230-1-60	208/230-1-60
Cooling Power Input	kW	0.68	0.71	1.14	1.14	1.55	2.04
Heating Power Input	kW	0.78	0.88	0.98	1.09	1.59	1.94
MCA, MOCP	A	10, 15	13.5, 20	10, 15	13.5, 20	12, 20	15, 20
Power/Communication Wiring ⁴	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18
Rated Amps Cool/Heat	A	7.5/7.5	10.4/10.4	7.5/7.5	10.4/10.4	9.61/9.41	11.52/11.08
Operating Range							
Heating Operation Range	°F WB	14 - 65	14 - 65	14 - 65	14 - 65	14 - 65	14 - 65
Cooling Operation Range	°F DB	14 - 118	14 - 118	14 - 118	14 - 118	14 - 118	14 - 118
Optional Wind Baffle ⁶		No	No	No	No	No	No
IDU Operation Range Cooling	°F WB	53 - 75	53 - 75	53 - 75	53 - 75	53 - 75	53 - 75
IDU Operation Range Heating	°F DB	60 - 86	60 - 86	60 - 86	60 - 86	60 - 86	60 - 86
Setpoint Range Cooling	°F	64 - 86	64 - 86	64 - 86	64 - 86	64 - 86	64 - 86
Setpoint Range Heating	°F	60 - 86	60 - 86	60 - 86	60 - 86	60 - 86	60 - 86
Dimensions							
IDU Dimensions (WxHxD)	in	29-3/4x10-7/16x7-1/4	34-27/32x11-1/4x8-9/32	34-13/16x11-1/4x8-1/4	34-27/32x11-1/4x8-9/32	40-9/16x12-13/16x9-13/16	40-9/16x12-13/16x9-13/16
ODU Dimensions (WxHxD)	in	28-1/4x19-1/2x9-1/16	28-1/4x19-1/2x9-1/16	28-1/4x19-1/2x9-1/16	28-1/4x19-1/2x9-1/16	30-5/16x21-1/2x11-5/16	34-1/4x25-13/16x12-19/32
Weight							
IDU Weight (Net/Shipping)	lbs	17/20	23/26	23/28	23/26	28/33	28/34
ODU Weight (Net/Shipping)	lbs	62/67	67/79	62/67	67/79	76/81	95/104
Unit Data							
Airflow (Max/H/M/L)	CFM	318/276/226/177	335/272/212/124	424/353/272/212	335/272/212/124	629/512/441/353	689/600/494/388
Dehumidification	pts/hr	2.12	2.30	2.76	2.80	3.39	4.88
Compressor Type		Rotary	Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure							
Indoor (H/M/L/SL)	dB(A)	39/33/25/19	39/33/23/19	39/33/25/19	39/33/23/19	42/40/35/29	45/40/35/29
Outdoor Max	dB(A)	47	47	47	47	51	53
Piping							
Liquid Line	in	1/4	1/4	1/4	1/4	1/4	1/4
Suction Line	in	3/8	3/8	3/8	3/8	1/2	5/8
Pipe Length (Min/Max)	ft	9.8/49.2	6.6/49.2	9.8/49.2	6.6/49.2	9.8/65.6	9.8/65.6
Max Pipe Elevation	ft	22.9	22.9	22.9	22.9	32.8	32.8
Precharge Pipe Length	ft	24.6	24.6	24.6	24.6	24.6	24.6
Additional Refrigerant	oz/ft	0.22	0.22	0.22	0.22	0.33	0.33
Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied	AKB73835318	AKB73456121	AKB73835318	AKB73456121	AKB73835318	AKB73835318

Note:

- Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
- 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). For capacity information, see engineering manual capacity tables.
- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Piping lengths are equivalent.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

ENERGY STAR® SYSTEMS

With several models winning the ENERGY STAR® Most Efficient designation, LG Air Conditioning Systems have industry-leading SEER and HSPF ratings.



Single Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95°F	SEER	HSPF	Most Efficient ¹
7947563	LAU090HYV1	LAN090HYV1	15.65	27.50	12.00	★
7849625	LAU120HYV1	LAN120HYV1	13.80	25.50	12.00	★
9680935	LAU150HYV2	LAN150HYV2	13.50	24.00	12.50	★
8584525	LAU180HYV1	LAN180HYV1	13.50	24.00	12.50	★
9680934	LAU180HYV2	LAN180HYV2	12.50	22.00	12.00	★
8584526	LAU240HYV1	LAN240HYV1	12.50	22.00	12.00	★
7484109	LSU090HSV4	LAN090HSV4	13.30	21.50	10.80	★
7484110	LSU090HSV4	LSN090HSV4	13.30	21.50	10.80	★
7484111	LSU120HSV4	LAN120HSV4	12.50	21.50	11.00	★
7484112	LSU120HSV4	LSN120HSV4	12.50	21.50	11.00	★
7484113	LSU180HSV4	LAN180HSV4	12.60	20.50	9.70	
7484114	LSU180HSV4	LSN180HSV4	12.60	20.50	9.70	
9122552	LSU243HLV	LSN243HLV	12.50	21.50	11.00	★
8032527	LSU090HEV1	LSN090HEV1	12.50	19.00	9.00	
8931560	LUU097HV	LCN097HV4	13.65	20.20	10.50	
5859619	LUU187HV	LCN187HV	15.00	20.00	10.10	
5584107	LUU247HV	LCN247HV	12.60	17.00	9.70	
5859620	LUU367HV	LCN367HV	13.50	19.00	9.50	
8931561	LUU097HV	LDN097HV4	12.70	18.50	10.30	
8905114	LUU127HV	LCN127HV4	12.60	19.40	10.40	
8931559	LUU127HV	LDN127HV4	12.90	19.60	10.50	

Multi Zone Systems

AHRI Reference Number	Outdoor	Indoor	EER 95°F	SEER	HSPF
7180060	LMU18CHV	Non-Ducted Indoor Units	13.00	22.00	9.70
7180062	LMU24CHV	Non-Ducted Indoor Units	13.50	21.70	10.60
7184507	LMU24CHV	Mixed Ducted and Non-Ducted Indoor Units	12.50	19.60	10.20
8111355	LMU30CHV	Non-Ducted Indoor Units	13.00	22.00	10.00
7180063	LMU36CHV	Non-Ducted Indoor Units	13.00	22.00	10.00
8111358	LMU480HV	Non-Ducted Indoor Units	12.50	19.50	10.00

Note:

1. Indicates unit is listed as Energy Star(R) Most Efficient 2017. List is current as of March 2017. For the most up-to-date list of Energy Star(R) and Energy Star(R) Most Efficient models, visit the AHRI Directory at ahridirectory.org.



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