

ART COOL MIRROR



LA090HSV4
LA120HSV4
LA180HSV4
LA240HSV3



Specification	Unit	LA090HSV4	LA120HSV4	LA180HSV4	LA240HSV3	
Indoor Unit		LAN090HSV4	LAN120HSV4	LAN180HSV4	LAN240HSV3	
Outdoor Unit		LSU090HSV4	LSU120HSV4	LSU180HSV4	LAU240HSV3	
Capacity ^{1,2}	Rated Cooling Capacity	Btu/h	9,000	11,200	18,200	22,000
	Cooling Capacity Range	Btu/h	1,023 - 12,625	1,023 - 13,785	3,070 - 29,515	3,070 - 30,030
	Rated Heating Capacity	Btu/h	10,800	13,300	22,000	27,600
	Heating Capacity Range	Btu/h	1,023 - 17,061	1,023 - 22,178	3,070 - 38,898	3,070 - 38,898
	Max Heating Capacity at 17°F	Btu/h	11,080	13,500	22,340	28,020
	Max Heating Capacity at 5°F	Btu/h	9,570	11,670	19,300	24,220
	Max Heating Capacity at -4°F	Btu/h	8,310	10,140	16,760	21,030
	SEER, EER		21.5, 13.3	21.5, 12.5	20.5, 12.6	20.0, 10.8
	HSPF		10.8	11	9.7	10.0
Power	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.68	0.90	1.45	2.04
	Heating Power Input	kW	0.70	1.00	1.76	2.67
	MCA, MOCP	A	10, 15	10, 15	19, 25	19, 25
	Power/Communication Wiring ⁴	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	8.7/8.7	8.7/8.7	15.4/15.4	15.4/15.4
Operating Range	Heating Operation Range	°F WB	-4 - 65	-4 - 65	-4 - 65	-4 - 65
	Cooling Operation Range	°F DB	14 - 118	14 - 118	14 - 118	14 - 118
	Optional Wind Baffle ⁶		ZLABGP01A (0°F)	ZLABGP01A (0°F)	ZLABGP02A (0°F)	ZLABGP02A (0°F)
	IDU Operation Range Cooling	°F WB	53 - 75	53 - 75	53 - 75	53 - 75
	IDU Operation Range Heating	°F DB	60 - 86	60 - 86	60 - 86	60 - 86
	Setpoint Range Cooling	°F	64 - 86	64 - 86	64 - 86	64 - 86
	Setpoint Range Heating	°F	60 - 86	60 - 86	60 - 86	60 - 86
	Dimensions	IDU Dimensions (WxHxD)	in	34-13/16 x 11-1/4 x 8-1/16	34-13/16 x 11-1/4 x 8-1/16	40-9/16 x 12-13/16 x 9-11/16
	ODU Dimensions (WxHxD)	in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	24/29	24/29	32/39	32/39
	ODU Weight (Net/Shipping)	lbs	75/79	75/79	121/131	121/131
Unit Data	Airflow (Max/H/M/L)	CFM	423/353/272/191	423/353/272/191	735/622/509/399	735/622/509/399
	Dehumidification	pts/hr	2.30	2.30	5.5	5.5
	Compressor Type		Rotary	Rotary	Twin Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A	R410A
Sound Pressure	Indoor (H/M/L/SL)	dB(A)	38/33/23/19	39/33/23/19	45/40/35/29	45/40/35/29
	Outdoor Max	dB(A)	45	45	53	53
Piping	Liquid Line	in	1/4	1/4	3/8	3/8
	Suction Line	in	3/8	3/8	5/8	5/8
	Pipe Length (Min/Max)	ft	6.6/65.6	6.6/65.6	9.84/98.4	9.84/98.4
	Max Pipe Elevation	ft	32.8	32.8	49.2	49.2
	Precharge Pipe Length	ft	41	41	24.6	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB73835317	AKB73835317	AKB73835320	

Note:

1. 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.

2. 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.

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/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.

5. Piping lengths are equivalent.

6. Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0°F in cooling mode for applicable outdoor units.

7. Due to our commitment to continued innovation, some specifications may be changed without notification.

HIGH EFFICIENCY



LS090HSV4 / LS120HSV4 / LS180HSV4



Specification	Unit	LS090HSV4	LS120HSV4	LS180HSV4	
Indoor Unit		LSN090HSV4	LSN120HSV4	LSN180HSV4	
Outdoor Unit		LSU090HSV4	LSU120HSV4	LSU180HSV4	
Capacity	Rated Cooling Capacity	Btu/h	9,000	11,200	18,200
	Cooling Capacity Range	Btu/h	1,023 - 12,625	1,023 - 13,785	3,070 - 29,515
	Rated Heating Capacity	Btu/h	10,800	13,300	22,000
	Heating Capacity Range	Btu/h	1,023 - 17,061	1,023 - 22,178	3,070 - 38,898
	Max Heating Capacity at 17°F	Btu/h	11,080	13,500	22,340
	Max Heating Capacity at 5°F	Btu/h	9,570	11,670	19,300
	Max Heating Capacity at -4°F	Btu/h	8,310	10,140	16,760
	SEER, EER		21.5, 13.3	21.5, 12.5	20.5, 12.6
Power	HSPF		10.8	11	9.7
	Voltage (IDU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Voltage (ODU)	V, Ø, Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	0.68	0.90	1.45
	Heating Power Input	kW	0.70	1.00	1.76
	MCA, MOCP	A	10, 15	10, 15	19, 25
	Power/Communication Wiring ⁴	No. x AWG	4 x 18	4 x 18	4 x 18
	Rated Amps Cool/Heat	A	8.7/8.7	8.7/8.7	15.4/15.4
Operating Range	Heating Operation Range	°F WB	-4 - 65	-4 - 65	-4 - 65
	Cooling Operation Range	°F DB	14 - 118	14 - 118	14 - 118
	Optional Wind Baffle ⁵		ZLABGP01A (0°F)	ZLABGP01A (0°F)	ZLABGP02A (0°F)
	IDU Operation Range Cooling	°F WB	53 - 75	53 - 75	53 - 75
	IDU Operation Range Heating	°F DB	60 - 86	60 - 86	60 - 86
	Setpoint Range Cooling	°F	64 - 86	64 - 86	64 - 86
	Setpoint Range Heating	°F	60 - 86	60 - 86	60 - 86
	Dimensions	IDU Dimensions (WxHxD)	in	34-13/16 x 11-1/4 x 8-1/4	34-13/16 x 11-1/4 x 8-1/4
ODU Dimensions (WxHxD)		in	30-5/16 x 21-1/2 x 11-5/16	30-5/16 x 21-1/2 x 11-5/16	34-1/4 x 31-1/2 x 12-19/32
Weight	IDU Weight (Net/Shipping)	lbs	20/26	20/26	31/36
	ODU Weight (Net/Shipping)	lbs	75/79	75/79	121/131
Unit Data	Airflow (Max/H/M/L)	CFM	423/353/272/191	423/353/272/191	735/622/509/399
	Dehumidification	pts/hr	2.30	2.30	5.50
	Compressor Type		Rotary	Rotary	Twin Rotary
	Refrigerant Type		R410A	R410A	R410A
Sound Pressure	Indoor (H/M/L/SL)	dB(A)	38/33/23/19	39/33/23/19	45/40/35/29
	Outdoor Max	dB(A)	45	45	53
Piping	Liquid Line	in	1/4	1/4	3/8
	Suction Line	in	3/8	3/8	5/8
	Pipe Length (Min/Max)	ft	6.6/65.6	6.6/65.6	9.84/98.4
	Max Pipe Elevation	ft	32.8	32.8	49.2
	Precharge Pipe Length	ft	41	41	24.6
	Additional Refrigerant	oz/ft	0.22	0.22	0.38
	Drain (OD, ID)	in	27/32, 5/8	27/32, 5/8	27/32, 5/8
Controller	Supplied		AKB73835317	AKB73835317	AKB73835317

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.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0°F in cooling mode for applicable outdoor units.
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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.



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) created to promote energy-efficient products and practices. The ENERGY STAR® logo helps homeowners identify which products meet energy efficiency performance levels set by U.S. EPA and U.S. DOE.