

ART COOL PREMIER With LGRED° Powerful Heating Technology



LGRED°

Powerful Heat Technology

RELIABLE TO EXTREME DEGREES

Included with models: LA090HYV1, LA120HYV1, LA150HYV2 and LA180HYV2

LA090HYV1 LA150HYV2
LA120HYV1 LA180HYV2



Units with industry leading LGRED° Powerful Heating Technology provide more than 100% of the rated heating capacity performance down to 5°F and continuous heating performance down to -13°F. For more information, visit lgredheat.com.



Specification		Unit	LA090HYV1	LA120HYV1	LA150HYV2	LA180HYV2
Capacity	Indoor Unit		LAN090HYV1	LAN120HYV1	LAN150HYV2	LAN180HYV2
	Outdoor Unit		LAU090HYV1	LAU120HYV1	LAU150HYV2	LAU180HYV2
	Rated Cooling Capacity	Btu/h	9,000	11,000	15,000	18,200
	Cooling Capacity Range	Btu/h	1,023 - 12,966	1,023 - 13,785	3,070 - 21,000	3,070 - 29,515
	Rated Heating Capacity	Btu/h	11,000	12,000	18,000	22,000
	Heating Capacity Range	Btu/h	1,023 - 20,472	1,023 - 22,178	3,070 - 25,200	3,070 - 32,000
	Max Heating Capacity at 17°F	Btu/h	11,940	14,650	21,430	27,400
	Max Heating Capacity at 5°F	Btu/h	11,220	13,720	18,950	24,360
	Max Heating Capacity at -13°F	Btu/h	7,920	9,520	14,660	19,120
Power	SEER, EER		27.5, 15.65	25.5, 13.75	24.0, 13.48	22.0, 12.5
	HSPF		12	12	12.5	12.0
	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	0.58	0.8	1.11	1.46
	Heating Power Input	kW	0.71	0.75	1.39	1.79
	MCA, MOCP	A	11.2, 15	11.2, 15	19.0, 25	19.0, 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	15.0/15.0	15.0/15.0
Operating Range	Heating Operation Range	°F WB	-13 - 65	-13 - 65	-13-65	-13-65
	Cooling Operation Range	°F DB	14-118	14-118	14-118	14-118
	Optional Wind Baffle ⁵		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	34-7/16x11-5/8x9-1/4	34-7/16x11-5/8x9-1/4	42-15/16x12-31/32x9-25/32	42-15/16x12-31/32x9-25/32
	ODU Dimensions (WxHxD)	in	30-5/16x21-1/2x11-5/16	30-5/16x21-1/2x11-5/16	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	24/30	24/30	34/38	34/38
	ODU Weight (Net/Shipping)	lbs	77/82	77/82	122/131	122/131
Unit Data	Airflow (Max/H/M/L)	CFM	547/494/417/283	547/494/417/283	742/565/424/318	777/565/424/318
	Dehumidification	pts/hr	3.20	3.60	3.80	4.60
	Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Sound Pressure	Refrigerant Type		R410A	R410A	R410A	R410A
	Indoor (H/M/L/SL)	dB(A)	42/36/25/17	42/36/25/17	47/42/37/29	47/42/37/29
	Outdoor Max	dB(A)	45	45	57	57
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	9.8/98.4	9.8/98.4
	Max Pipe Elevation	ft	32.8	32.8	65.6	65.6
	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		AKB73835320	AKB73835320	AKB74955602	AKB74955602

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.

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.