

ART COOL™ MIRROR



LA090HSV5
LA120HSV5
LA180HSV5



Specification	Unit	LA090HSV5	LA120HSV5	LA180HSV5
Indoor Unit		LAN090HSV5	LAN120HSV5	LAN180HSV5
Outdoor Unit		LSU090HSV5	LSU120HSV5	LSU180HSV5
Rated Cooling Capacity	Btu/h	9,000	12,000	18,000
Cooling Capacity Range	Btu/h	1,023 - 12,625	1,023 - 13,785	3,070 - 29,515
Rated Heating Capacity	Btu/h	10,900	13,600	21,600
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	13,810	22,340
Max Heating Capacity at 5°F	Btu/h	9,570	11,930	19,300
Max Heating Capacity at -4°F	Btu/h	8,310	10,360	16,760
SEER, EER	Btu/h	23.5, 14.52	22.7, 12.5	21.5, 12.58
HSPF		11.3	11.4	10.2
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	0.62	0.96	1.43
Heating Power Input	kW	0.71	1.04	1.73
MCA, MOCP	A	10, 15	10, 15	13, 20
Power/Communication Wiring ³	No. x AWG	4 x 14	4 x 14	4 x 14
Rated Amps (Cool/Heat)	A	7.4/7.4	7.4/7.4	9.85/9.85
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 ⁴		ZLABGP01A (0°F)	ZLABGP01A (0°F)	ZLABGP02A (0°F)
IDU Operation Range Cooling	*F	53 - 75	53 - 75	53 - 75
IDU Operation Range Heating	*F	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
IDU Dimensions (WxHxD)	in	32-15/16 x 12-1/8 x 7-9/16	32-15/16 x 12-1/8 x 7-9/16	39-9/32 x 13-19/32 x 8-11/32
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
IDU Weight (Net/Shipping)	lbs	20.5 / 25.6	20.5 / 25.6	29.8 / 36.4
ODU Weight (Net/Shipping)	lbs	74.1 / 78.9	74.1 / 78.9	116.8 / 126.5
Airflow (Max/H/M/L) ⁵	CFM	459 / 338 / 317 / 194	459 / 338 / 317 / 194	706 / 530 / 477 / 371
Dehumidification	pts/hr	2.7	2.7	5.5
Compressor Type		Twin Rotary	Twin Rotary	Twin Rotary
Refrigerant Type		R410A	R410A	R410A
Indoor (H/M/L/SL)	dB(A)	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29
Outdoor Max	dB(A)	48	48	53
Liquid Pipe	in	1/4	1/4	3/8
Vapor Pipe	in	3/8	3/8	5/8
Pipe Length (Min/Max)	ft	9.8 / 82	9.8 / 82	9.8 / 114.8
Max Pipe Elevation	ft	49.2	49.2	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	AKB74955602	AKB74955602	AKB74955602

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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

ART COOL™ PREMIER with LGRED° heat


LGRED°

LA090HYV1
LA120HYV1
LA150HYV2
LA180HYV2



Specification	Unit	LA090HYV1	LA120HYV1	LA150HYV2	LA180HYV2
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
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 ³	No. x AWG	4 x 14	4 x 14	4 x 14	4 x 14
Rated Amps Cool/Heat	A	8.7/8.7	8.7/8.7	15.0/15.0	15.0/15.0
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 ⁴		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
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
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
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
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
Liquid Pipe	in	1/4	1/4	3/8	3/8
Vapor Pipe	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:

- 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.
- All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Installation of an optional Low Ambient Wind Baffle Kit will allow operation down to 0°F in cooling mode for applicable outdoor units.
- Airflow shown is in cooling mode.
- 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.
- Piping lengths are equivalent.
- Due to our commitment to continued innovation, some specifications may be changed without notification.