

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
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
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
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
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
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
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
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.