

Clima Series

R32 DC Inverter Air Source Heat Pumps

- Multiple Modes for Comfortable Use
- ERP A+++ Performance
- Stable Running Ambient (-30℃)
- Touch Screen Controller
- Reduced Noise
- WIFI Control
- KEYMARK Certification
- SG Ready



Comfortable and Efficient

SPRSUN's all-DC inverter technology allows the heat pump to adjust its frequency according to actual heating needs. This technology enables the heat pump to provide comfortable temperatures while saving energy, with the highest COP reaching 5.90.



EVI Ultra-low Temperature

Designed for extremely cold climate areas, utilizing a high-efficiency EVI system and the intelligent control system independently developed by SPRSUN, it can operate stably at temperatures as low as -30 degrees.



5-inch Color Touchscreen

Featuring a large 5-inch color touchscreen, it is not only easy to operate but also attractive in design.

Intelligent Defrost

SPRSUN has independently developed a PID intelligent defrost control mode. When defrosting conditions are met, it will automatically enter defrost mode to prevent chaotic defrosting and energy consumption, thereby increasing defrosting efficiency and the overall reliability and economy of the unit.



Specifications

Model		CGK015V3L-B	CGK025V3L-B	CGK030V3L-B	CGK040V3L-B	CGK050V3L-B	CGK060V3L-B	CGK-025V3L-B	CGK-030V3L-B	CGK-040V3L-B	CGK-050V3L-B	CGK-060V3L-B	CGK-080V3L-B	CGK-100V3L-B	CGK-101V3L-B
Power Supplyt	V/Hz/Ph	220-240/50/1						380-420/50/3							
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C ;															
Max. Heating Capacity	kW	6	9.4	11.6	15.8	19.8	21.8	9.4	11.6	15.8	19.8	21.8	29	34.5	35.5
C.O.P	W/W	4.45	4.56	4.41	4.61	4.71	4.61	4.56	4.42	4.62	4.72	4.62	4.3	4.4	4.4
Heating Capacity Min./Max.	kW	2.76/6	4.32/9.40	5.34/11.60	7.27/15.80	9.11/19.80	10.03/21.80	4.32/9.40	5.34/11.60	7.27/15.80	9.11/19.80	10.03/21.80	13.34/29.00	15.87/34.50	16.33/35.50
Heating Power Input Min./Max.	W	496/1348	759/2061	968/2630	1261/3427	1547/4204	1740/4729	759/2061	966/2624	1259/3420	1544/4195	1736/4719	2482/6744	2885/7841	2969/8068
C.O.P Min./Max.	W/W	4.45/5.56	4.56/5.70	4.41/5.51	4.61/5.76	4.71/5.89	4.61/5.76	4.56/5.70	4.42/5.53	4.62/5.78	4.72/5.90	4.62/5.78	4.3/5.38	4.4/5.50	4.4/5.50
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C ;															
Max. Heating Capacity	kW	5.8	9.0	11.1	15.2	19.0	20.9	9.0	11.1	15.2	19.0	20.9	29.0	33.1	34.1
C.O.P	W/W	3.56	3.65	3.53	3.69	3.77	3.69	3.65	3.54	3.70	3.78	3.70	3.50	3.72	3.72
Heating Capacity Min./Max.	kW	2.65/5.76	4.15/9.02	5.12/11.14	6.98/15.17	8.74/19.01	9.63/20.93	4.15/9.02	5.12/11.14	6.98/15.17	8.74/19.01	9.63/20.93	13.34/29.00	15.24/33.12	15.68/34.08
Heating power input Min./Max.	W	595/1618	958/2474	1223/3196	1593/4113	1954/5045	2198/5675	958/2474	1220/3149	1590/4104	1950/5034	2193/5662	3265/8430	3645/9409	3750/9682
C.O.P Min./Max.	W/W	3.56/4.45	3.65/4.33	3.53/4.19	3.69/4.38	3.77/4.47	3.69/4.38	3.65/4.33	3.54/4.20	3.70/4.39	3.78/4.48	3.70/4.39	3.44/4.09	3.52/4.18	3.52/4.18
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C ;															
Max. Cooling Capacity	kW	5.5	8.6	10.6	14.4	18.1	19.9	8.6	10.6	14.4	18.1	19.9	27.6	31.5	32.4
E.E.R	W/W	3.45	3.54	3.42	3.58	3.65	3.58	3.54	3.43	3.59	3.66	3.59	3.40	3.61	3.61
Cooling Capacity Min./Max.	kW	2.52/5.47	3.94/8.57	4.87/10.58	6.63/14.41	8.31/18.06	9.15/19.88	3.94/8.57	4.87/10.58	6.63/14.41	8.31/18.06	9.15/19.88	12.67/27.55	14.47/31.46	14.89/32.38
Cooling Power Input Min./Max.	W	577/1852	929/2423	1165/3091	1544/4028	1894/4941	2131/5558	929/2423	1183/3084	1541/4019	1890/4930	2126/5546	3166/8115	3533/8720	3635/8972
E.E.R Min./Max.	W/W	2.95/4.36	3.54/4.25	3.42/4.11	3.58/4.29	3.65/4.39	3.58/4.29	3.54/4.25	3.43/4.12	3.59/4.30	3.66/4.39	3.59/4.30	3.40/4.00	3.61/4.10	3.61/4.10
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C ;															
Max. Cooling Capacity	kW	4.3	6.0	7.5	10.2	12.7	14.0	6.0	7.5	10.2	12.7	14.0	19.0	20.8	25.0
E.E.R	W/W	2.59	2.48	2.40	2.50	2.56	2.50	2.48	2.40	2.51	2.56	2.51	2.60	2.69	2.90
Cooling Capacity Min./Max.	kW	1.99/4.32	2.78/6.05	3.43/7.46	4.67/10.16	5.86/12.74	6.45/14.02	2.78/6.05	3.43/7.46	4.67/10.16	5.86/12.74	6.45/14.02	8.74/19.00	9.57/20.80	11.50/25.00
Cooling Power Input Min./Max.	W	506/1720	744/2441	950/3115	1238/4058	1518/4978	1708/5599	744/2441	948/3108	1235/4049	1515/4967	1704/5587	2481/7308	2654/8009	3190/8621
E.E.R Min./Max.	W/W	2.51/3.92	2.48/3.74	2.40/3.61	2.50/3.78	2.56/3.86	2.50/3.78	2.48/3.74	2.40/3.62	2.51/3.79	2.56/3.87	2.51/3.79	2.60/3.52	2.60/3.60	2.90/3.60
Max Power Input	kW	2.02	3.09	3.95	5.14	6.31	7.09	3.09	3.94	5.13	6.29	7.08	10.12	11.76	12.10
Max Current	A	9.68	14.79	18.88	24.60	30.17	33.94	6.53	8.31	10.83	13.28	14.94	21.35	24.82	25.54
Wire diameter	mm^2	2.5	4.0	4.0	6.0	6.0	6.0	2.5	2.5	2.5	4.0	4.0	4.0	6.0	6.0
Sound pressure level(1m)	dB(A)	42.7~50.8	43.9~51	46~53.2	46.2~56.7	44.6~57.5	48.3~58.2	40.4~50.2	44.2~52.6	41.4~55.9	43.3~55	48.8~59	51.2~60.6	53.2~63.6	48~58
Sound power level(1m)	dB(A)	59.5	62.6	63.5	64.5	68.8	70.8	62.1	64.7	64.5	68.3	73.1	72.5	75	70
Refrigerant	/	R32													
ErP Level(35° C)	/	A+++													
Cabinet Type	/	Galvanized steel painting													
Net Weight	kg	59	78	88	105	124	124	78	88	105	124	124	150	260	260
Gross Weight	kg	70	101	105	120	150	150	101	105	120	150	150	183	/	/
Net Dimension(L*D*H)	mm	990*375*655	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*1455	950*900*1950	1249*509*1558
Packing Dimension(L*D*H)	mm	1100*460*725	1165*490*960	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520	1165*490*960	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520	1165*490*1590	/	/

The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.