

SPRSUN

A Professional Heat Pump Manufacturer Since 1999

THERMAL EFFICIENCY REVOLUTION

Cost-Effective Heat Pump Solutions for Eco-Homes



SPRSUN
CONTROL SYSTEM



RoHS

CE



MCS
CERTIFIED

UK
CA

AIT





Greenenergy Series

R290 DC Inverter Air Source Heat Pumps



Multiple Modes for Comfortable Use



High Energy Efficiency



Max. Outlet Water Temperature



-25°C Stable Running Ambient



Built-in Water Pump



KEYMARK Certification



WIFI Control



Super Quiet



SG Ready



SUPER QUIET

The Greenenergy series air source heat pumps support ultra-quiet operation as low as 40dB(A). The new "carbin" noise reduction technology ensures that your home life is not disturbed by noise.

USER-FRIENDLY DESIGN

The heat pumps support one-click switching of multiple modes. The brushless DC variable frequency control technology allows for more precise temperature control and a more comfortable user experience.

INTELLIGENT CONTROL AND CONNECTIVITY

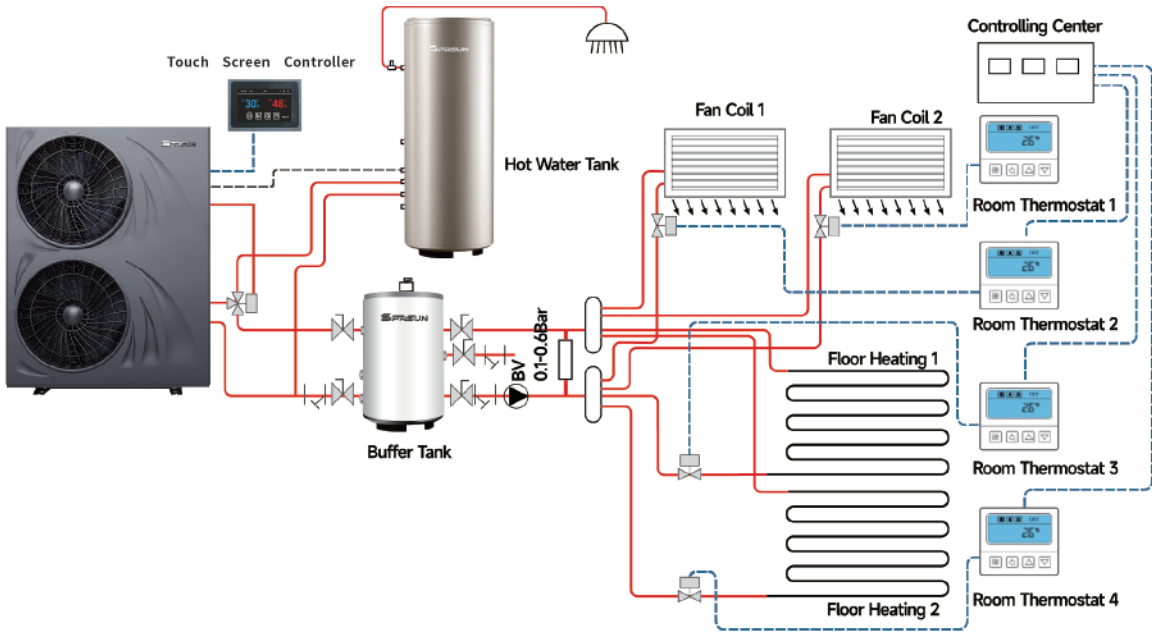
SPRSUN has developed a smart control system that allows for remote access through different platforms, including PCs and mobiles. This system enables cloud data synchronization and on-the-go heat pump management from anywhere, anytime.

ERP A+++ PERFORMANCE

This heat pump uses high-efficiency DC inverter compressors and motors, with a high system efficiency and stable operation, saving energy costs for users.



INSTALLATION SKETCH MAP



SPECIFICATION



Model		CGK020V4P-B	CGK030V4P-B	CGK040V4P-B	CGK050V4P-B	CGK-030V4P-B	CGK-040V4P-B	CGK-050V4P-B
Power Supply		220-240V/50Hz/1Ph				380-420V/50Hz/3Ph		
Heating condition: Ambient Temp : 7°C, Outlet water temp : 35°C								
Max. Heating Capacity	kW	6.5	9.1	12	15	9.1	12	15
C.O.P	W/W	4.4	4.2	3.9	3.95	4.2	3.9	3.95
Heating Capacity Min./Max.	kW	2.20 /6.50	3.15 /9.10	4.35 /12.00	5.60 /15.00	3.15 /9.10	4.35 /12.00	5.60 /15.00
Heating Power Input Min./Max.	W	441 /1477	626 /2167	885 /3073	1125 /3800	626 /2167	885 /3073	1125 /3800
C.O.P Min./Max.	W/W	4.4/4.99	4.2/5.03	3.90 /4.92	3.95 /4.98	4.2/5.03	3.90 /4.92	3.95 /4.98
Heating condition: Ambient Temp : 7°C, Outlet water temp : 45°C								
Max. Heating Capacity	kW	6.30	8.60	11.2	14.5	8.60	11.2	14.5
C.O.P	W/W	3.60	3.52	3.28	3.23	3.52	3.28	3.23
Heating Capacity Min./Max.	kW	2.01 /6.30	2.90 /8.60	4.00 /11.20	5.40 /14.50	2.90 /8.60	4.00 /11.20	5.40 /14.50
Heating power input Min./Max.	W	522 /1750	757 /2443	1071 /3415	1427 /4489	757 /2443	1071 /3415	1427 /4489
C.O.P Min./Max.	W/W	3.60 /3.85	3.52 /3.83	3.28 /3.74	3.23 /3.78	3.52 /3.83	3.28 /3.74	3.23 /3.78
Cooling condition: Ambient Temp : 35°C, Outlet water temp : 18°C								
Max. Cooling Capacity	kW	5.70	7.04	10.0	13.6	7.04	10.0	13.6
E.E.R	W/W	3.48	3.43	3.40	3.28	3.43	3.40	3.28
Cooling Capacity Min./Max.	kW	1.82 /5.70	2.64 /7.04	3.81 /10.00	5.20 /13.60	2.64 /7.04	3.81 /10.00	5.20 /13.60
Cooling Power Input Min./Max.	W	463 /1638	677 /2052	1003 /2941	1402 /4146	677 /2052	1003 /2941	1402 /4146
E.E.R Min./Max.	W/W	3.48 /3.93	3.43 /3.90	3.40 /3.80	3.28 /3.71	3.43 /3.90	3.40 /3.80	3.28 /3.71
Cooling condition: Ambient Temp : 35°C, Outlet water temp : 7°C								
Max. Cooling Capacity	kW	4.45	5.63	7.2	10.2	5.63	7.2	10.2
E.E.R	W/W	2.87	2.66	2.62	2.60	2.66	2.62	2.60
Cooling Capacity Min./Max.	kW	1.53 /4.45	2.10 /5.63	3.58 /7.20	4.69 /10.20	2.10 /5.63	3.58 /7.20	4.69 /10.20
Cooling Power Input Min./Max.	W	443 /1551	612 /2117	1213 /2748	1520 /3880	612 /2117	1213 /2748	1520 /3880
E.E.R Min./Max.	W/W	2.87 /3.45	2.66 /3.43	2.62 /2.95	2.63 /3.09	2.66 /3.43	2.62 /2.95	2.63 /3.09
Max Power Input	kW	3	4	5	6.3	4	5	6.3
Max Current	A	14.35	19.14	23.92	30.14	8.44	10.55	13.29
Max Water Pump Head	m	9	9	9	12	9	9	12
Noise Level (Sound Pressure)	dB(A)	39	41	44	43	40	43	46
Noise Level (Power Power)	dB(A)	53	55	58	58	54	57	60
Refrigerant	/	R290						
ErP Level(35° C)	/	A+++						
ErP Level(55° C)	/	A++						
Cabinet Type		Weather-resistant pp+Galanizedsheet metal						
Net Weight	kg	90	106	120	135	106	120	135
Carton gross Weight	kg	102	119	133	166	119	133	166
Net Dimension(L*D*H)	mm	1053*475*755	1110*475*810	1110*475*960	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355
Carton packing Dimension(L*D*H)	mm	1115*505*910	1165*505*960	1165*505*1100	1165*505*1520	1165*505*960	1165*505*1100	1165*505*1520

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.