





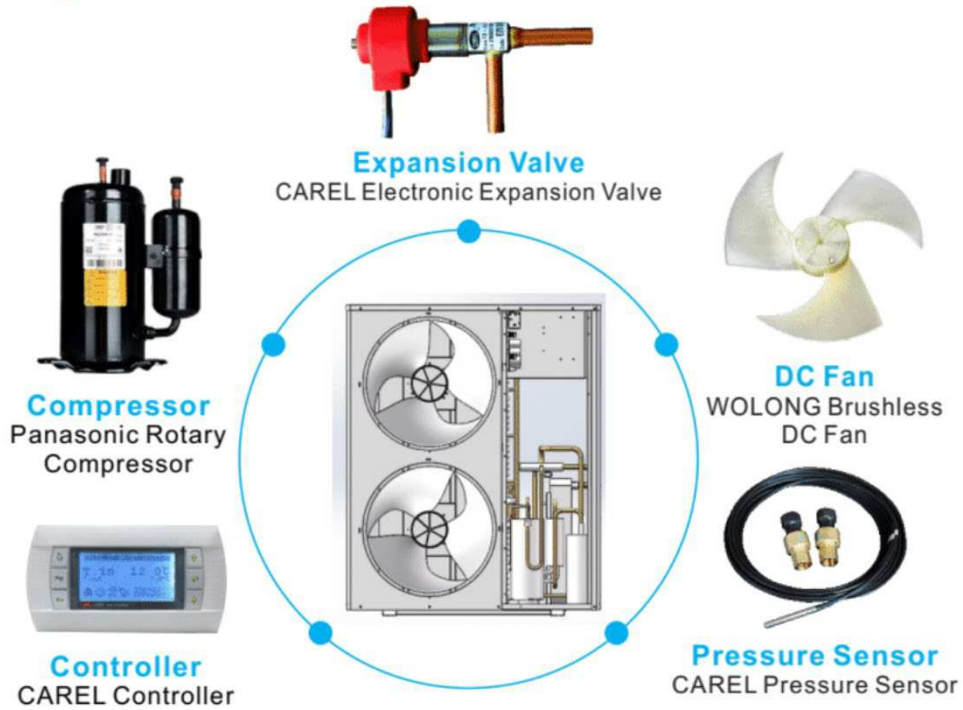
SPRSUN AIR-TO-WATER HEAT PUMPS

INVERTER RANGE

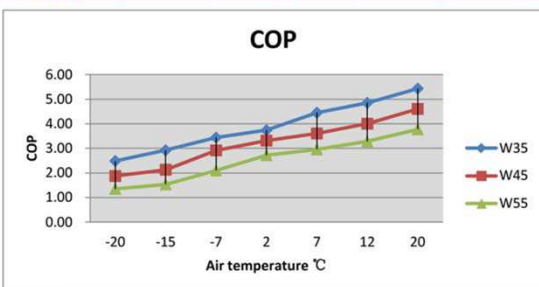
Model	CGK 030	CGK 040	CGK 050	CGK 060	
Image					
Features	Inverter with Heating & Cooling CAREL controller with RS485 WIFI APP Seasonal Co-efficiency of performance is 4.88:1 ERP energy rating: A+++				
Heating Capacity (kW)	A7/W35	4.37 - 9.50	5.75 - 12.50	7.59 - 16.50	8.51 - 18.50
Input Power (kW)		0.79 - 2.14	1.03 - 2.81	1.36 - 3.68	1.55 - 4.21
C.O.P (kW/kW)		4.45 - 5.56	4.45 - 5.56	4.48 - 5.60	4.39 - 5.49
Cooling Capacity (kW)	A35/W7	3.08 - 6.70	4.05 - 8.81	5.35 - 11.63	6.00 - 13.04
Input Power (kW)		0.85 - 2.67	1.11 - 3.51	1.46 - 4.60	1.67 - 5.26
E.E.R (kW/kW)		2.51 - 3.65	2.51 - 3.65	2.53 - 3.67	2.48 - 3.60
Rated Current (A)	10.2	13.4	17.6	20.2	
Max Current (A)	14.81	19.49	25.55	29.24	
Power Supply (V/Hz/Ph)	220-240/50/1		220-240/50/1 (3PH available on request)		
Compressor	Panasonic Rotary				
Refrigerant	R410a (R32 available on request)				
Circulation Pumps	Bronze Body, External				
Heat Exchanger	Copper Plate				
Casing	White Powder Coat (Stainless Steel available on request)				
Water Pressure Drop (kPa)	20	22	23	25	
Piping Connection (mm)	25	25	25	25	
Water Flow (L/h)	1620	2160	2844	3168	
Noise Level (dB)	45-59	45-59	45-62	45-63	
Net Dimension (mm)(L×D×H)	1110*475*810	1110*475*910	1110*475*1355	1110*475*1355	
Packing Dimension (mm)(L×D×H)	1220*540*970	1220*540*1070	1220*540*1400	1220*540*1400	
Net Weight (Kg)	88	98	124	124	
Gross Weight (Kg)	116	126	161	161	

SPRSUN AIR-TO-WATER HEAT PUMPS INVERTER RANGE

Key Components



Heating Capacity at Different Conditions															
Model	CGK030V2			CGK050V2			CGK060V2			CGK-050V2			CGK-060V2		
Air temp °C	Heating capacity (KW)			Heating capacity (KW)			Heating capacity (KW)			Heating capacity (KW)			Heating capacity (KW)		
-20	4.39	3.72	1.12	7.62	6.46	1.94	8.54	7.24	2.17	7.67	6.50	1.95	8.59	7.28	2.18
-15	5.85	4.96	1.49	10.16	8.61	2.58	11.39	9.66	2.90	10.22	8.66	2.60	11.45	9.71	2.91
-7	7.19	6.98	4.33	12.49	12.13	7.52	14.01	13.60	8.43	12.57	12.20	7.57	14.08	13.67	8.48
2	8.46	8.22	7.97	14.70	14.27	13.84	16.48	16.00	15.52	14.79	14.36	13.93	16.57	16.09	15.60
7	9.50	8.93	8.48	16.50	15.51	14.73	18.50	17.39	16.52	16.60	15.60	14.82	18.60	17.48	16.61
12	9.98	9.38	8.91	17.33	16.29	15.47	19.43	18.26	17.35	17.43	16.38	15.56	19.53	18.36	17.44
20	10.47	9.85	9.35	18.19	17.10	16.24	20.40	19.17	18.21	18.30	17.20	16.34	20.51	19.28	18.31
Hot water temp °C	30/35	40/45	50/55	30/35	40/45	50/55	30/35	40/45	50/55	30/35	40/45	50/55	30/35	40/45	50/55



Air temp °C	COP kW/kW		
-20	2.48	1.87	1.35
-15	2.92	2.13	1.53
-7	3.44	2.92	2.10
2	3.74	3.32	2.72
7	4.45	3.60	2.96
12	4.85	4.00	3.28
20	5.43	4.60	3.77
Hot water temp °C	35	45	55