SPRSUN

A Professional Heat Pump Manufacturer Since 1999

Smart Sustainable Integrated

NEW R32 Monobloc ATW Heat Pump



Clima Pure

HEATING /COOLING / HOT WATER



ERP A+++
High Efficiency

EVI TECH
Extreme Cold Heating

Built-in Water Pump

IoT
IoT Platform

Super Quiet

5-inch
Colorful Touchscreen

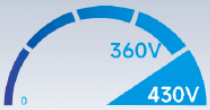
-30°C
-30°C Stable Operation

Wi Fi
Built-in WIFI

Wide Voltage Range



Wide Operating Voltage
Single-phase



Wide Operating Voltage
Three-phase



60°C
Max. Outlet Water Temp



-30°C-45°C
Stable Operation



Heating
Cooling
DHW

ENHANCED LOW-TEMPERATURE HEATING WITH ADVANCED EVI TECH



MAXIMUM COMFORT WITH MINIMUM ENERGY COST.

Heating | Cooling | DHW



PATENTED SMART CONTROL SYSTEM

With the built-in Wi-Fi module, users can manage the system and monitor its energy usage anytime, anywhere.



End-user APP

- Remote Control and Management
- HP Operation Monitoring
- Historical Energy Consumption Tracking
- Fault Alerts

Dealer APP

- Equipment Data Collection
- Remote After-Sales Support
- HP Installation Management
- HP Inventory Management

INSTANT CLIMATE CONTROL AT YOUR FINGERTIPS

5-INCH Color Touchscreen

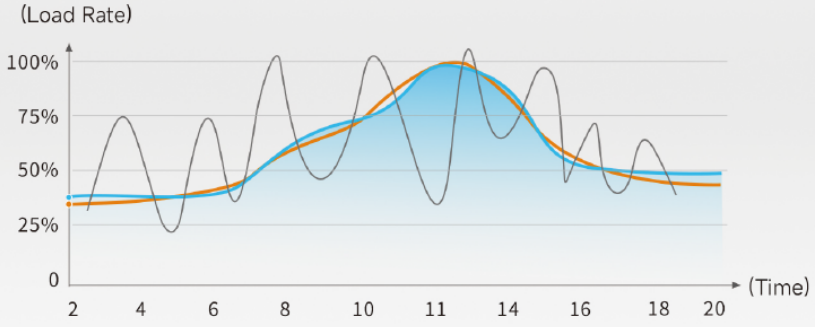
- Customizable System
- Global 25-Language Support
- Crystal-Clear Interface & Intuitive Control
- Smart OTA Updates
- One-Tap Mode Switching



FULL INVERTER TECHNOLOGY

Energy-saving more than 75%

Fixed-speed Units		Variable-speed Units
Frequent starts/stops ➤ Accumulates startup energy waste	VS	Continuous speed adjustment ➤ Precisely matches load demands
Mechanical wear ➤ Reduces compressor lifespan		Stable operation ➤ Eliminates frequent start cycles
Rigid operation ➤ Higher overall energy consumption		Long-term efficiency ➤ 30-50% energy savings in continuous operation



AI Defrost

1 Monitoring pressure & temperature

2 Smart feedback

3 Precise control

SENSE. ANALYZE. OPTIMIZE.

- Intelligent Logic Design
- Smart Defrost Flow Path Design
- Optimized Drain Design



KEY COMPONENTS



CASCADING FUNCTION

Supports 8 Units, Delivering Up to 312kW

- Central Coordination & Unit Autonomy
- System & Individual Optimisation
- Dynamic, Temperature-Driven Response
- Boost Stability, Slash Energy Use







SPECIFICATION

Model			CGK030V3L-D	CGK040V3L-D	CGK050V3L-D	CGK060V3L-D	CGK070V3L-D	CGK-060V3L-D	CGK-070V3L-D	CGK-080V3L-D	CGK-101V3L-D	CGK-130V3L-D
Power Supply / Refrigerant		V/Hz/Ph	220-240/50/1 ~ R32					380-420/50/3 ~ R32				
Max. Heating Capacity (A7°C/W35°C)		kW	9.0	12.0	15.0	18.0	21.0	18.0	21.0	24.0	30.0	39.0
C.O.P (A7°C/W35°C)		W/W	4.35	4.35	4.33	4.35	4.32	4.35	4.33	4.32	4.15	4.17
Heating Capacity Min./Max.(A7°C/W35°C)		kW	4.14 / 9.00	5.52 / 12.00	6.90 / 15.00	8.28 / 18.00	9.66 / 21.00	8.28 / 18.00	9.66 / 21.00	11.04 / 24.00	13.80 / 30.00	17.94 / 39.00
Heating Power Input Min./Max.(A7°C/W35°C)		W	761 / 2069	1015 / 2759	1275 / 3464	1523 / 4138	1789 / 4861	1523 / 4138	1785 / 4850	2044 / 5556	2660 / 7229	3442 / 9353
C.O.P Min./Max.(A7°C/W35°C)		W/W	4.35 / 5.44	4.35 / 5.44	4.33 / 5.41	4.35 / 5.44	4.32 / 5.40	4.35 / 5.44	4.33 / 5.41	4.32 / 5.40	4.15 / 5.19	4.17 / 5.21
Max. Heating Capacity(A7°C/W45°C)		kW	8.9	11.8	14.8	17.7	20.7	17.7	20.7	23.6	29.6	38.4
C.O.P (A7°C/W45°C)		W/W	3.35	3.35	3.33	3.35	3.33	3.35	3.33	3.33	3.20	3.21
Heating Capacity Min./Max.(A7°C/W45°C)		kW	4.08 / 8.87	5.44 / 11.82	6.80 / 14.78	8.16 / 17.73	9.52 / 20.69	8.16 / 17.73	9.52 / 20.69	10.87 / 23.64	13.59 / 29.55	17.67 / 38.42
Heating power input Min./Max.(A7°C/W45°C)		W	974 / 2647	1299 / 3529	1631 / 4431	1948 / 5293	2288 / 6218	1948 / 5293	2283 / 6204	2615 / 7107	3403 / 9247	4403 / 11964
C.O.P Min./Max.(A7°C/W45°C)		W/W	3.35 / 4.19	3.35 / 4.19	3.33 / 4.17	3.35 / 4.19	3.33 / 4.16	3.35 / 4.19	3.33 / 4.17	3.33 / 4.16	3.20 / 3.99	3.21 / 4.01
Max. Cooling Capacity(A35°C/W18°C)		kW	8.3	11.1	13.9	16.7	18.1	16.7	18.1	20.9	25.0	33.4
E.E.R (A35°C/W18°C)		W/W	3.63	3.63	3.63	3.66	3.63	3.66	3.63	3.64	3.63	3.63
Cooling Capacity Min./Max.(A35°C/W18°C)		kW	3.84 / 8.34	5.12 / 11.12	6.39 / 13.90	7.67 / 16.68	8.31 / 18.07	7.67 / 16.68	8.31 / 18.07	9.59 / 20.85	11.51 / 25.02	15.35 / 33.36
Cooling Power Input Min./Max.(A35°C/W18°C)		W	895 / 2297	1194 / 3062	1492 / 3828	1777 / 4559	1940 / 4976	1777 / 4559	1940 / 4976	2236 / 5720	2686 / 6890	3581 / 9186
E.E.R Min./Max.(A35°C/W18°C)		W/W	3.63 / 4.29	3.63 / 4.29	3.63 / 4.29	3.66 / 4.32	3.63 / 4.29	3.66 / 4.32	3.63 / 4.29	3.64 / 4.30	3.63 / 4.29	3.63 / 4.29
Max. Cooling Capacity(A35°C/W7°C)		kW	6.0	8.0	10.0	12.0	13.0	12.0	13.0	15.0	18.0	24.0
E.E.R(A35°C/W7°C)		W/W	2.70	2.70	2.70	2.72	2.70	2.72	2.70	2.71	2.70	2.70
Cooling Capacity Min./Max.(A35°C/W7°C)		kW	2.76 / 6.00	3.68 / 8.00	4.60 / 10.00	5.52 / 12.00	5.98 / 13.00	5.52 / 12.00	5.98 / 13.00	6.90 / 15.00	8.28 / 18.00	11.04 / 24.00
Cooling Power Input Min./Max.(A35°C/W7°C)		W	741 / 2222	988 / 2963	1235 / 3704	1471 / 4412	1605 / 4815	1471 / 4412	1605 / 4815	1845 / 5535	2222 / 6667	2963 / 8889
E.E.R Min./Max.(A35°C/W7°C)		W/W	2.70 / 3.73	2.70 / 3.73	2.70 / 3.73	2.72 / 3.75	2.70 / 3.73	2.72 / 3.75	2.70 / 3.73	2.71 / 3.74	2.70 / 3.73	2.70 / 3.73
Water Flow		m^3/h	1.55	2.06	2.58	3.10	3.61	3.10	3.61	4.13	5.16	6.71
Max Power Input		kW	4.00	5.00	5.80	6.80	7.80	7.00	8.00	9.00	12.00	15.00
Max Current		A	20.00	25.00	27.00	32.00	36.00	14.00	16.00	18.00	24.00	27.00
Wire diameter		mm^2	4.0	6.0	6.0	6.0	10.0	4.0	6.0	6.0	6.0	6.0
Fuse or circuit breaker		A	25A	32A	32A	40A	63A	20A	25A	25A	32A	32A
Compressor	Type ~ Quantity/System		Twin Rotary ~ 1									
	Quantity		1	1	2	2	2	2	2	2	2	2
Fan	Airflow	m3/h	3000	4000	5000	6000	7000	6000	7000	8000	10000	13000
	Rated power	W	120	150	150	160	170	160	170	180	300	330
Water Side Heat Exchanger	Type		Plate Heat Exchanger									
	Water Pressure Drop	kPa	26	28	20	26	28	26	28	25	28	33
	Piping Connection	Inch	G1"	G1"	G1"	G1"	G1"	G1"	G1"	G1"	G1-1/4"	G1-1/4"
Allowable Water Flow	Min./Rated./Max.	L/S	0.26 0.42 0.71	0.35 0.56 0.94	0.44 0.71 1.18	0.53 0.85 1.41	0.62 0.99 1.65	0.53 0.85 1.41	0.62 0.99 1.65	0.72 1.15 1.91	0.90 1.43 2.39	1.16 1.86 3.10
Sound pressure level(1m)		dB(A)	42~51.2	44.2~54.7	46.2~56.7	44.6~57.5	48.3~58.2	44.6~57.5	48.3~58.2	51.2~60.6	52.2~62.6	53.2~63.6
Sound power level(1m)		dB(A)	61.5	62.5	64.5	68.8	70.8	68.8	70.8	72.5	74	75
Net Dimension(L×D×H)		mm	1066×458×850	1066×458×850	995×420×1375	995×420×1375	995×420×1375	995×420×1375	995×420×1375	995×420×1375	1070×458×1572	1070×458×1572
Net Weight		kg	81	83	104	106	109	106	109	111	146	157

Note: (1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;
(3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB35°C/WB24°C;
(4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB35°C/WB24°C;

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.



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e-Catalogue

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