

SPRSUN

FOCUS ON HOT WATER HOUSE HEATING AND COOLING

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CGK20230501



A Professional Heat Pump Manufacturer Since 1999

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About SPRSUN

SPRSUN is a professional heat pump manufacturer founded in 1999. As one of the leading heat pump suppliers in China, SPRSUN manufactures several different types of heat pumps, including DC Inverter Heat Pumps, Air Source Heat Pumps and Swimming Pool Heat Pumps. They are produced based on EN14511 standard with CCC, CE, CB, KEYMARK, SAA, ROHS, TUV and ERP certificates. We also cooperate with leading companies such as Panasonic, CAREL, Grundfos, Copeland, Mitsubish and Sanyo to ensure upgraded product quality. Over the years, excellent products based on leading technology and professional service have earned SPRSUN its reputation as one of the leading heat pump suppliers all over the world.

24+
Years of Heat Pump Experience

60+
Selling Countries & Regions

560+
Global Strategic Partners

25000+
Units Monthly Capacity



Milestone

With a long company history and rich manufacturing experience, sprsun has become a leading heat pump industry brand with a long-term development goal.

1999
Founded, focus on solar water heater.

2003
In July, involved in first central hot water system.

2005
First commercial air-water heat pump developed, in Oct, ISO 9001, ISO 14001 & CE obtained.

2006
In June, first mass order for commercial air-water heat pump exported to Europe.

2011
Manufacturing base built in Development Zone.

2012
3C certificate & EN14511 test report obtained from TUV.

2013
Honored as TOP 10 brand for heat pumps in China; EVI heat pumps for -25°C cold climate attract many customers.

2014
High-tech company awarded and honored again as TOP 10 brand for heat pumps in China.

2016
Enlarge the manufacturing base 3 times bigger.

2018
Wi-fi control function developed for SPRSUN air source heat pumps.

2021
R32 EVI DC inverter heat pumps developed.

2020
SPRSUN DC inverter heat pumps enhanced to obtain the A+++ ERP certificate.

2023
The overseas team expanded and moved to a bigger office.
R290 DC inverter heat pump released.

2022
The R290 DC inverter heat pump and heat pump kit developed; Keymark certificate obtained; The second factory launched.



Certificates

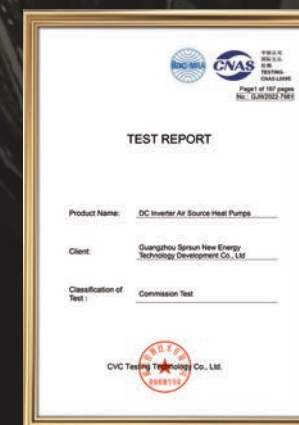
As one of the top 10 heat pump suppliers in China, SPRSUN heat pumps are produced based on EN14511 standard with CCC, CE, KEYMARK, ISO, SAA, RoHS, KEYMARK and ERP certificates. Our latest DC inverter heat pumps have been rated as ERP A+++ energy label by TUV SUD, which is the highest rating available. The ERP energy label gives an indication of energy efficiency in products. A rating system of A to G is used to rate the efficiency of products such as heat pumps. In addition, in order to help our partners import our products to their countries more easily, we can even help them to apply for the certificates required by their markets.



KEYMARK Test Report



ERP A+++ TUV Test Report



Noise Test Report



MCS Certificate



CCC Certificate



RoHS Certificate



CE Poska



ISO 19001



ISO 14001

Manufacturing & Marketing Center



First Factory

(Located in Guangzhou, zengcheng)
30000+ Square Meters Factory Area
2 Production Lines

Second Factory

(Located in Guangzhou, shapu)
10000+ Square Meters Factory Area
2 Production Lines



Overseas Business Center

(Located in Guangzhou,Xintang)
Class A modern office building



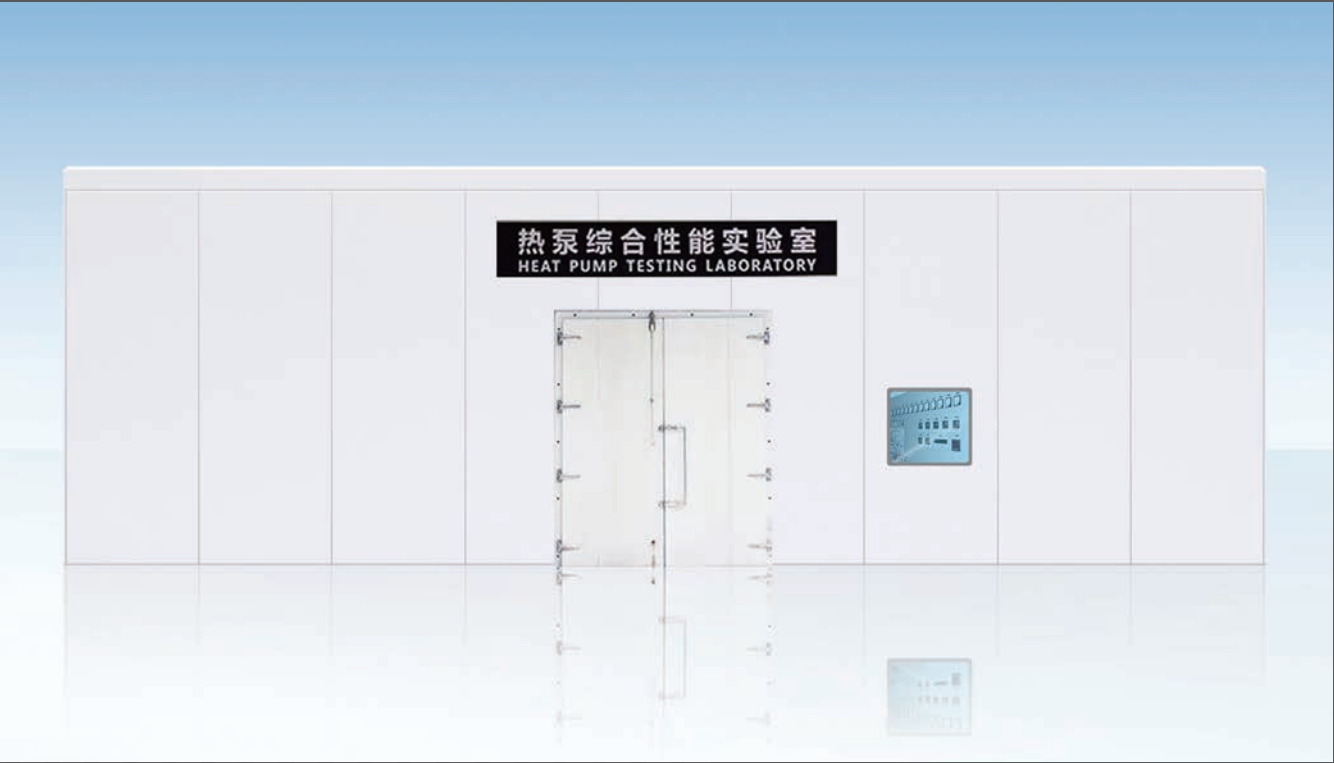
Multiple production lines, advanced equipment, experienced workers and standard production procedures provide us with strong production capacity (over 25000 pieces heat pumps per month).



R&D Center

Advanced Heat Pump Performance Testing Laboratory

Able to simulate the operating performance of heat pump units at ambient temperature from -30°C to 50°C.
Test heat pumps of input power ranging from 0.8kw to 80kw, as well as frequency of 50Hz/60Hz.
Ratified by TÜV SÜD, which confirms that the lab can directly issue test reports approved by EU.



Advanced Heat Pump Performance Testing Laboratory

- Test the performance of newly developed products.
- Inspect, refine and adjust new products before their delivery.
- Provide support for any questions concerning the products and installation.
- Improve our products continually to meet the needs of our customers.
- Assist in getting certificates such as CE and SAA for the products.
- Provide training and materials on products, installation & maintenance.



Global Partners

As a leading company focusing on customer satisfaction, we cooperate with leading companies such as Panasonic, CAREL, Grundfos, Copeland, MITSUBISHI, Schneider and SANYO to ensure upgraded product quality. For example, the partnership with CAREL gives SPRSUN and its products an edge as the DC Inverter heat pumps with CAREL control offer better technology and an improved chance of customer satisfaction.



Quality Control

Ensure Our Heat Pumps Are 100% Tested Before Delivery!

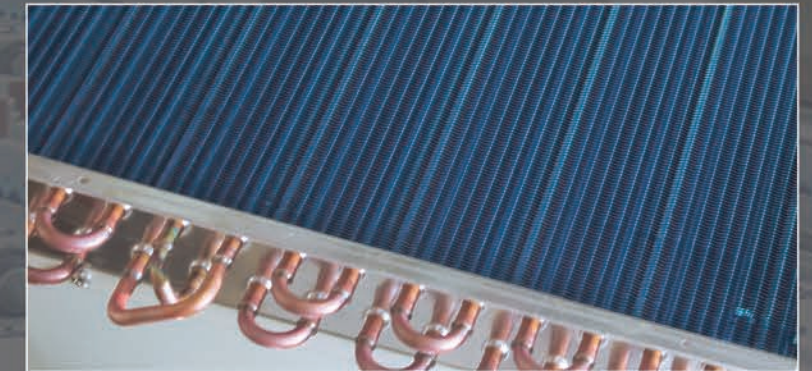


Incoming Material QC

Supplier Assessment, Material Quality Checking, Heat Exchanger Leaking Check, Electric Unit Check.

Assembly System QC

Welding, Leakage Check, Vacuum, Filling Refrigerant, Sticking Pipe Insulation, Sticking Silencing Surface, Control System Connecting.

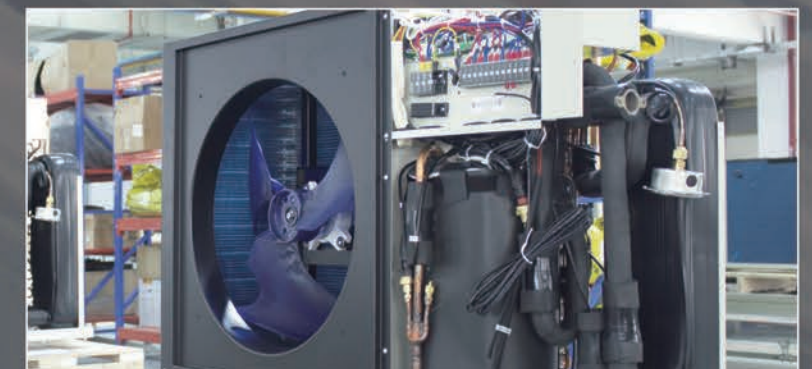


Piping Grafts QC

Bend Pipes, Drill Holes on Pipe, Narrow and Expand Holes, Smooth Polished, Wash and Clean, Welding.

Finished Product QC

Spot-checking, Performance Testing, Washing and Cleaning, Drying Inside, Sticking Labels, Packaging.



Core Advantages



The CAREL controller is able to record temperatures unaided using sensors that record the surrounding conditions. With the WIFI online monitoring, customers will enjoy contactless support from our customer service center no matter where they are.



Our ERP A+++ DC inverter heat pumps charge and recirculate more efficiently than DC inverter heat pumps of other refrigerants. They consume less energy, and can therefore help families reduce energy bills.



The refrigerant improper handling and storage might lead to potential safety issues. All of this can be avoided by using SPRSUN DC inverter heat pumps, since they are designed with anti-explosion measures to guarantee the safety.



Smart Control

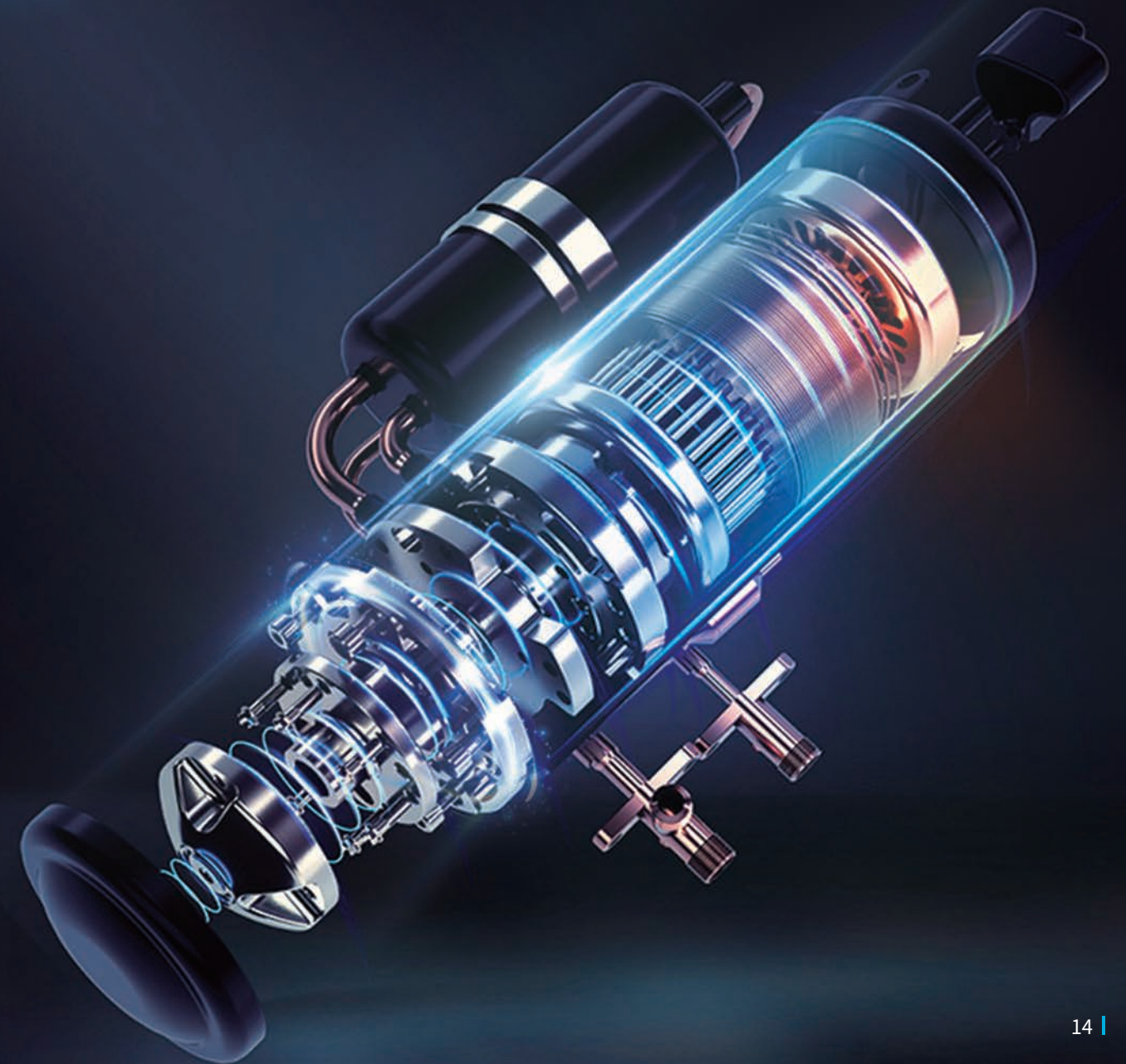
The CAREL controller is able to record temperatures unaided using sensors that record the surrounding conditions. With the WIFI online monitoring, customers will enjoy contactless support from our customer service center no matter where they are.



CAREL

Heating in Low Temperature

Regulate heating and cooling using DC inverter compressors and DC inverter controllers; SPRSUN DC inverter heat pumps can operate at high frequency to heat water faster. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain the temperature.



Super Low Noise

Equipped with the DC inverter brushless fans and designed based on aerodynamics, SPRSUN DC inverter heat pumps adopt multiple noise reduction and sound insulation measures so that noise is reduced to a low level.



49db
Ultra-low decibel

*The data comes from laboratory environmental testing

High Heating Efficiency

The unit can operate at high frequency to heat water at a faster speed. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain temperature.



Product Service



SPRSUN Smart Control System

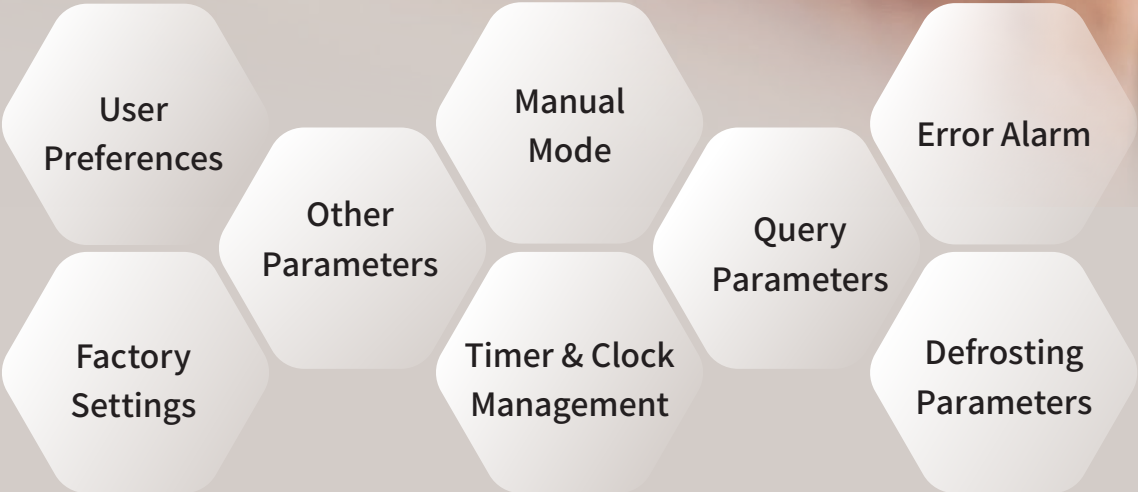


Working Principle

SPRSUN's self-developed smart control system is equipped with highly integrated control functions, which can be operated via a remote APP. The system is easy to manipulate, stable in performance, and is truly a smart operating system that realizes man-machine separation.



SPRSUN Remote Control Functions



Multiple Function Five Working Modes

Five Working Modes

Central Hot Water

Central Hot Water: Constant Temperature, Sufficient Water Volume, 24-hour Instant Supply.

Central Cooling

Water Cooled Air Conditioning, Soft Air Supply, Comfortable for Human Body.

Whole House Heating

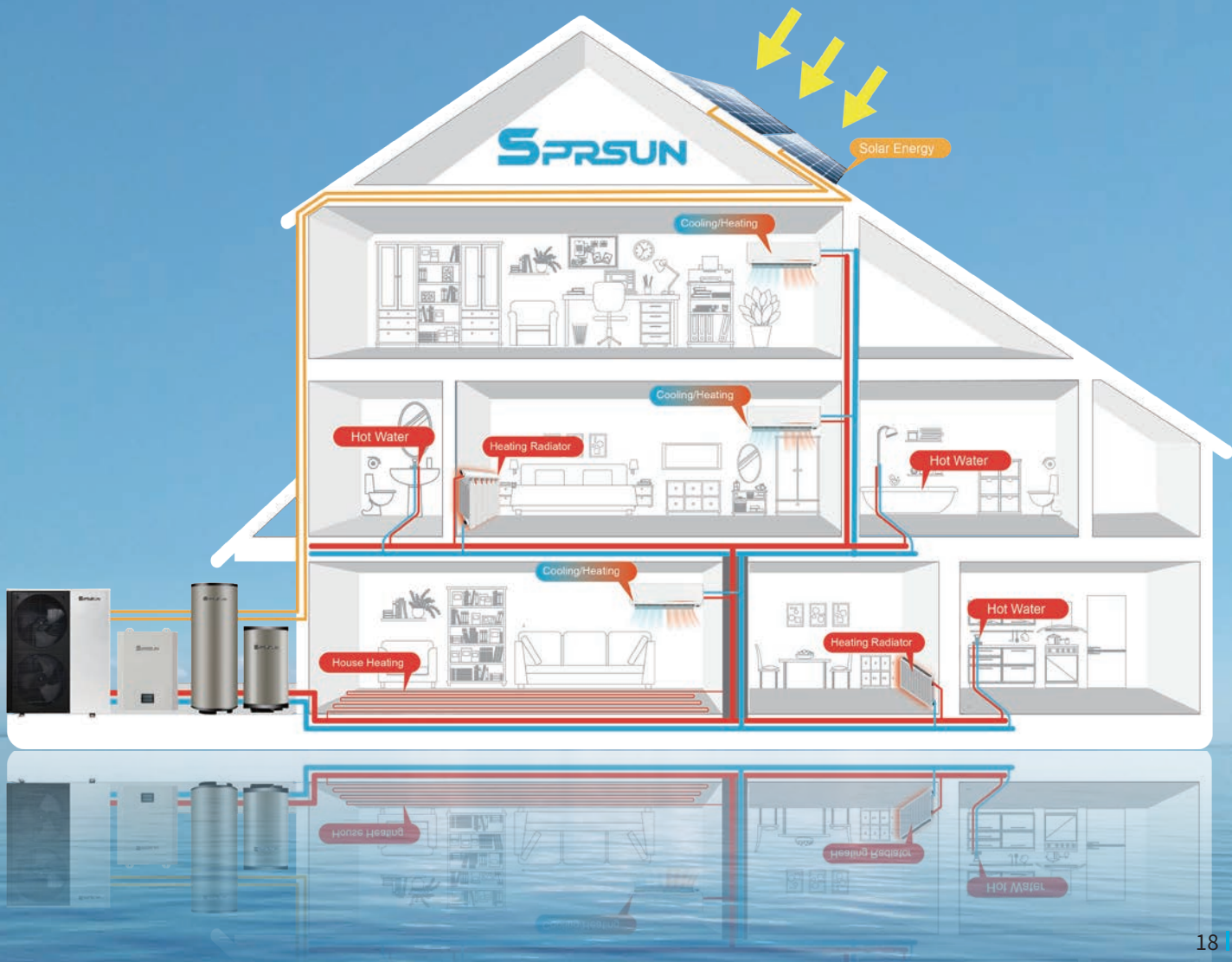
Water Cycled Floor Heating, Well-distributed Heat Dissipation, Healthy & Energy Saving.

Hot Water + House Cooling

Meet the Requirements of Both Central Hot Water and Air Conditioning.

Hot Water + House Heating

Meet the Requirements of Both Central Hot Water and Room Heating.





ForestPro Series

R290 DC Inverter Air Source Heat Pumps

- 

Multiple modes for comfortable use
- 

Stable Running Ambient
- 

Max. Outlet Water Temperature
- 

Built-in water pump
- 

High Energy Efficiency
- 

Reduced Noise
- 

CAREL Controller



Lower GWP

The new SPRSUN DC Inverter Air Source Heat Pumps specially adopt R290 refrigerant with global warming potential (GWP) as low as 3.3. Compared with R290, R410A refrigerant actually has a high GWP value and high greenhouse gas effect. As an environment-friendly refrigerant, R290 has many advantages, making it very suitable for the application of low-temperature heat pump heating in the cold areas.

Better Energy Consumption Monitoring

With maximum COP 5.35, our ERP A+++ R290 EVI DC inverter heat pumps charge and recirculate more efficiently than DC inverter heat pumps of other refrigerants. They consume less energy, and can therefore help families reduce energy bills.

Max. Outlet Water Temperature Reaches 70° C

By combining eco-friendly R290 natural refrigerant and inverter heating technology, the new heat pump is able to operate from -25°C to 45°C, maintaining high COP and reliable stability. More importantly, its max. outlet water temperature reaches 70°C without electric heating.



Higher Efficiency

The Grundfos DC Inverter Water Pump with water flow feedback is safe and reliable, with long life and low noise. The use of high-efficiency frequency conversion water pump can automatically adjust the water flow under partial load through variable-frequency self-adjustment. It can operate efficiently and reduce the energy consumption of water pump operation, so as to achieve significant energy saving for the heat pump system.



Specifications

Model		CGK030V4P	CGK040V4P	CGK050V4P	CGK060V4P	CGK-030V4P	CGK-040V4P	CGK-050V4P	CGK-060V4P
Power Supply / Refrigerant	V/Hz/Ph	220-240/50/1 - R290				380-420/50/3 - R290			
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C									
Max. Heating Capacity	kW	9	11	15	18	9	11	15	18
C.O.P	W/W	4.41	4.43	4.45	4.46	4.42	4.42	4.41	4.46
Heating Capacity Min./Max.	kW	4.14 / 9.00	5.06 / 11.00	6.90 / 15.00	8.28 / 18.00	4.14 / 9.00	5.06 / 11.00	6.90 / 15.00	8.28 / 18.00
Heating Power Input Min./Max.	W	782 / 2041	952 / 2483	1292 / 3371	1547 / 4036	781 / 2036	954 / 2489	1304 / 3401	1547 / 4036
C.O.P Min./Max.	W/W	4.41 / 5.29	4.43 / 5.32	4.45 / 5.34	4.46 / 5.35	4.42 / 5.30	4.42 / 5.30	4.41 / 5.29	4.46 / 5.35
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C									
Max. Heating Capacity	kW	8.6	10.6	14.4	17.3	8.6	10.6	14.4	17.3
C.O.P	W/W	3.53	3.54	3.56	3.57	3.54	3.54	3.53	3.57
Heating Capacity Min./Max.	kW	3.97 / 8.64	4.86 / 10.56	6.62 / 14.40	7.95 / 17.28	3.97 / 8.64	4.86 / 10.56	6.62 / 14.40	7.95 / 17.28
Heating power input Min./Max.	W	988 / 2449	1202 / 2980	1632 / 4045	1954 / 4843	986 / 2443	1205 / 2986	1647 / 4082	1954 / 4843
C.O.P Min./Max.	W/W	3.53 / 4.02	3.54 / 4.04	3.56 / 4.06	3.57 / 4.07	3.54 / 4.03	3.54 / 4.03	3.53 / 4.02	3.57 / 4.07
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C									
Max. Cooling Capacity	kW	8.2	10.0	13.7	16.4	8.2	10.0	13.7	16.4
E.E.R	W/W	3.42	3.44	3.45	3.46	3.43	3.43	3.42	3.46
Cooling Capacity Min./Max.	kW	3.78 / 8.21	4.61 / 10.03	6.29 / 13.68	7.55 / 16.42	3.78 / 8.21	4.61 / 10.03	6.29 / 13.68	7.55 / 16.42
Cooling Power Input Min./Max.	W	958 / 2398	1166 / 2918	1582 / 3962	1894 / 4743	956 / 2393	1168 / 2925	1597 / 3997	1894 / 4743
E.E.R Min./Max.	W/W	3.42 / 3.94	3.44 / 3.96	3.45 / 3.98	3.46 / 3.99	3.43 / 3.95	3.43 / 3.95	3.42 / 3.94	3.46 / 3.99
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C									
Max. Cooling Capacity	kW	5.8	7.1	9.6	11.6	5.8	7.1	9.6	11.6
E.E.R	W/W	2.74	2.75	2.76	2.77	2.74	2.74	2.74	2.77
Cooling Capacity Min./Max.	kW	2.66 / 5.79	3.25 / 7.08	4.44 / 9.65	5.33 / 11.58	2.66 / 5.79	3.25 / 7.08	4.44 / 9.65	5.33 / 11.58
Cooling Power Input Min./Max.	W	768 / 2114	934 / 2573	1268 / 3492	1518 / 4181	766 / 2110	936 / 2578	1280 / 3524	1518 / 4181
E.E.R Min./Max.	W/W	2.74 / 3.47	2.75 / 3.48	2.76 / 3.50	2.77 / 3.51	2.74 / 3.48	2.74 / 3.48	2.74 / 3.47	2.77 / 3.51
Max Power Input	kW	3.06	3.72	5.06	6.05	3.05	3.73	5.10	6.05
Max Current	A	14.65	17.82	24.19	28.97	6.45	7.88	10.77	12.78
Wire diameter	mm²	4.0	6.0	6.0	6.0	2.5	2.5	4.0	4.0
Fuses or circuit breakers	A	25A	32A	40A	40A	13A	16A	20A	20A
Noise Level	dB(A)	59	60	61	62	59	60	61	62
Net Dimension(L×D×H)	mm	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355
Packing Dimension(L×D×H)	mm	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520
Packing Dimension(L×D×H)	mm	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1220*540*970	1200*540*1120	1200*540*1510	1200*540*1510
Net Weight	kg	88	105	124	124	88	105	124	124
Gross Weight	kg	105	120	150	150	105	120	150	150
Gross Weight	kg	116	126	161	161	116	126	161	161



JunglePro Series

R32 DC Inverter Air Source Heat Pumps

- Multiple modes for comfortable use
- Max.C.O.P
5.95
- WiFi
- 25°C
- ERP A+++
- CAREL
Controller
- KEYMARK
certification



Lower GWP

The new refrigerant gas R32 helps our DC inverter heat pumps operate more cleanly and effectively, which has less harmful effects on the atmosphere with lower carbon emissions and zero ozone depleting potential.

Increased Efficiency

With maximum COP 5.95, our ERP A+++ R32 EVI DC inverter heat pumps charge and recirculate more efficiently than DC inverter heat pumps of other refrigerants. They consume less energy, and can therefore help families reduce energy bills.

Smarter Technology

The CAREL controller is able to record temperatures unaided using sensors that record the surrounding conditions. With the WIFI online monitoring, customers will enjoy contactless support from our customer service center no matter where they are. Our R32 EVI DC inverter heat pumps are also featured with more intelligent protections.



Guaranteed Safety

The refrigerant R32 is considered to be environment friendly, but improper handling and storage might lead to potential safety issues. All of this can be avoid by using SPRSUN R32 DC inverter heat pumps, since they are designed with anti-explosion measures to guarantee the safety.



Specifications

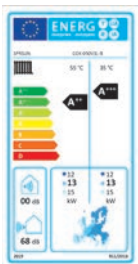
Model		CGK025V3L	CGK030V3L	CGK040V3L	CGK050V3L	CGK060V3L	CGK-025V3L	CGK-030V3L	CGK-040V3L	CGK-050V3L	CGK-060V3L
Power Supply / Refrigerant	V/Hz/ Ph	220-240/50/1 - R32					380-420/50/3 - R32				
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C ;											
Max. Heating Capacity	kW	9.5	12	16	20	22	9.5	12	16	20	22
C.O.P	W/W	4.58	4.45	4.71	4.75	4.62	4.58	4.45	4.71	4.76	4.65
Heating Capacity Min./Max.	kW	4.37/9.5	5.52/12	7.36/16	9.2/20	10.12/22	4.37/9.5	5.52/12	7.36/16	9.2/20	10.12/22
Heating Power Input Min./Max.	W	763 /2074	992 / 2697	1250 /3397	1549 /4211	1752 /4762	763 /2074	992 /2697	1250 /3397	1546 /4202	1741 /4731
C.O.P Min./Max.	W/W	4.58/5.73	4.45/5.56	4.71/5.89	4.75/5.94	4.62/5.78	4.58/5.73	4.45/5.56	4.71/5.89	4.76/5.95	4.65/5.81
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C ;											
Max. Heating Capacity	kW	9.1	11.5	15.4	19.2	21.1	9.1	11.5	15.4	19.2	21.1
C.O.P	W/W	3.71	3.60	3.82	3.85	3.70	3.71	3.60	3.82	3.81	3.60
Heating Capacity Min./Max.	kW	4.20 /9.12	5.30/11.52	7.07/15.36	8.83/19.20	9.72/21.12	4.20/9.12	5.30/11.52	7.07/15.36	8.83/19.20	9.72/21.12
Heating power input Min./Max.	W	964/2489	1254/3236	1579/4076	1957 /5053	2214/5714	964/2489	1254/3236	1579/4076	1953/5042	2199/5677
C.O.P Min./Max.	W/W	3.66/4.35	3.56/4.23	3.77/4.47	3.80/4.51	3.70/4.39	3.66/4.35	3.56/4.23	3.77/4.47	3.81/4.52	3.72/4.42
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C ;											
Max. Cooling Capacity	kW	8.7	10.9	14.6	18.2	20.1	8.7	10.9	14.6	18.2	20.1
E.E.R	W/W	3.60	3.50	3.70	3.73	3.59	3.60	3.50	3.70	3.69	3.50
Cooling Capacity Min./Max.	kW	3.99/8.66	5.03/10.94	6.71/14.59	8.39/18.24	9.23/20.06	3.99/8.66	5.03/10.94	6.71/14.59	8.39/18.24	9.23/20.06
Cooling Power Input Min./Max.	W	935/2849	1215/3704	1531/4666	1897/5783	2146/6540	935/2849	1215/3704	1531/4666	1893/5771	2132 /6498
E.E.R Min./Max.	W/W	3.04 /4.26	2.95 /4.14	3.13/4.39	3.15/4.42	3.07/4.30	3.04/4.26	2.95/4.14	3.13/4.39	3.16/4.43	3.09/4.33
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C ;											
Max. Cooling Capacity	kW	6.2	8.6	10.4	14.4	15.8	6.2	8.6	10.4	14.4	15.8
E.E.R	W/W	2.59	2.62	2.66	2.80	2.69	2.59	2.62	2.66	2.77	2.62
Cooling Capacity Min./Max.	kW	2.85/6.20	3.97/8.64	4.80/10.44	6.62/14.40	7.29/15.84	2.85/6.20	3.97/8.64	4.80/10.44	6.62/14.40	7.29/15.84
Cooling Power Input Min./Max.	W	760/2399	1090/3440	1245/3929	1702/5371	1925/6075	760/2399	1090/3440	1245/3929	1699/5360	1913/6036
E.E.R Min./Max.	W/W	2.58/3.75	2.51/3.65	2.66/3.86	2.68/3.89	2.61/3.79	2.58/3.75	2.51/3.65	2.66/3.86	2.69/3.90	2.62/3.81
Rated Current	A	9.9	12.9	16.3	20.1	22.8	4.4	5.7	7.2	8.9	10.0
Max Power Input	kW	3.0	3.9	4.9	6.1	6.9	3.0	3.9	4.9	6.1	6.9
Max Current	A	14.4	18.7	23.6	29.2	33.0	6.3	8.3	10.4	12.9	14.5
Noise Level	dB(A)	56	59	60	61	62	56	59	60	61	62
Net Dimension(L×D×H)	mm	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
Packing Dimension(L×D×H)	mm	1200*540*970	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*970	1220*540*970	1200*540*1120	1200*540*1510	1200*540*1510
Net Weight	Kg	80	88	98	124	124	80	88	98	124	124
Gross Weight	Kg	108	116	126	161	161	108	116	126	161	161



Jungle Series

R32 DC Inverter Air Source Heat Pumps

- Multiple modes for comfortable use
- Max. Outlet Water Temperature
- High Energy Efficiency
- WIFI Control
- Stable Running Ambient
- ERP A+++ Performance
- Reduced Noise
- KEYMARK certification



ERP A+++ Performance

As highly energy-efficient as the CAREL controller series, the new R32 Full Inverter Heat Pumps also can achieve ERP A+++ energy level. They have a maximum heating capacity from 9.5KW to 22KW, with a maximum COP of 5.89.

R32 Refrigerant

The R32 refrigerant is more environmentally friendly compared to other traditional refrigerants. Its ability to enable an inverter heat pump to recharge and recycle more effectively than some other refrigerants means that the unit can run at much higher efficiencies.

One Click Remote Software Upgrade

If there's a necessary software update, the system will keep you informed so that you can upgrade the controller software with one click anytime, anywhere as long as it connects to the internet. The update can only take several minutes depending on the speed of the internet connection.



Intelligent Defrosting

SPRSUN independently developed its own PID intelligent defrosting control mode. When the defrosting conditions are met, the defrosting mode will be automatically entered to prevent the unit from defrosting confusion and energy consumption, which will improve the reliability and economy of the whole 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
Power Supply / Refrigerant	V/Hz/ Ph	220-240/50/1 - R32							380-420/50/3 - R32				
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	28
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	4.62
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	12.88/28.00
Heating Power Input Min./Max.	W	564/1348	759/2061	968/2630	1261/3427	1547/4204	1740/4729	759/2061	966/2624	1259/3420	1544/4195	1736/4719	2230/6061
C.O.P Min./Max.	W/W	4.45/4.90	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	4.62/5.78
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	26.9
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	3.70
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	12.36/26.88
Heating power input Min./Max.	W	677/1618	958/2474	1223/3156	1593/4113	1954/5045	2198/5675	958/2474	1220/3149	1590/4104	1950/5034	2193/5662	2817/7273
C.O.P Min./Max.	W/W	3.56/3.92	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	3.70/4.39
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	25.5
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	3.59
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	11.75/25.54
Cooling Power Input Min./Max.	W	656/1852	929/2423	1185/3091	1544/4028	1894/4941	2131/5558	929/2423	1183/3084	1541/4019	1890/4930	2126/5546	2731/7123
E.E.R Min./Max.	W/W	2.95/3.84	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	3.59/4.30
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	18.0
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	2.51
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	8.28/18.01
Cooling Power Input Min./Max.	W	575/1720	744/2441	950/3115	1238/4058	1518/4978	1708/5599	744/2441	948/3108	1235/4049	1515/4967	1704/5587	2189/7176
E.E.R Min./Max.	W/W	2.51/3.45	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	2.51/3.79
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	9.09
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	19.18
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
Fuses or circuit breakers	A	13A	20A	25A	32A	40A	40A	13A	13A	16A	20A	20A	25A
Noise Level	dB(A)	49	56	59	60	61	62	56	59	60	61	62	65
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
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
Packing Dimension(L×D×H)	mm	1070*405*800	1200*540*970	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*970	1220*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*1610
Net Weight	kg	59	78	88	105	124	124	78	88	105	124	124	150
Gross Weight	kg	70	101	105	120	150	150	101	105	120	150	150	183
Gross Weight	kg	80	106	116	126	161	161	106	116	126	161	161	188



Icefield Series

R410A DC Inverter Air Source Heat Pumps



Multiple modes for comfortable use



Intelligent Defrosting



WIFI Control



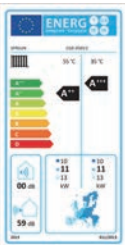
ERP A+++ Performance



High Energy Efficiency



CAREL Controller



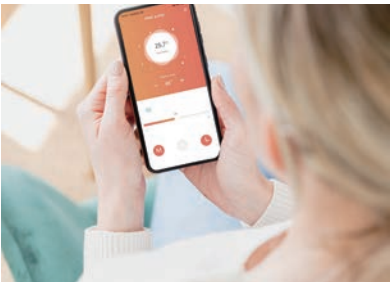
Higher Energy Efficiency

Achieving the ERP A+++ energy class, our DC inverter heat pumps save energy by more than 30% compared with ordinary air source heat pumps.



Intelligent Defrosting

The smart defrosting technology makes optimal defrosting decisions to minimize energy consumption and improve customer satisfaction.



Low Noise

With Panasonic rotary compressor and DC inverter brushless fans, our DC inverter heat pumps adopt new noise reduction measures so that the sound of the unit is controlled at a satisfactory level.



Smart Control

The intelligent CAREL controller with RS485 / WIFI APP is adopted to realize the linkage control between the heat pump unit and the terminal application end. With the Cascade function, multiple units can be controlled with one panel.



Specifications

Model		CGK020V2	CGK030V2	CGK040V2	CGK050V2	CGK060V2	CGK-030V2	CGK-040V2	CGK-050V2	CGK-060V2	CGK-080V2	CGK-100V2
Power Supply / Refrigerant	V/Hz/Ph	220-240/50/1 - R410A					380-420/50/3 - R410A					
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C												
Max. Heating Capacity (I)	kW	7.5	9.5	12.5	16.5	18.5	9.6	12.5	16.6	18.6	26	32
C.O.P (I)	W/W	4.45	4.45	4.45	4.48	4.39	4.45	4.52	4.52	4.42	4.52	4.42
Heating Capacity Min./Max.(1)	kW	3.45/7.5	4.37/9.5	5.75/12.5	7.59/16.5	8.51/18.5	4.416/9.6	5.75/12.5	7.636/16.6	8.556/18.6	11.96/26	14.72/32
Heating Power Input Min./Max. (1)	W	620 /1685	786/2135	1034/2809	1355/3683	1551/4214	794/2157	1018/2765	1352/3673	1549/4208	2117/5752	2664/7240
C.O.P Min./Max.(1)	W/W	4.45/5.56	4.45/5.56	4.45/5.56	4.48/5.60	4.39/5.49	4.45/5.56	4.52/5.65	4.52/5.65	4.42/5.53	4.52/5.65	4.42/5.53
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C												
Max. Heating Capacity	kW	7.1	8.9	11.8	15.5	17.4	9.0	11.8	15.6	17.5	24.4	30.1
C.O.P	W/W	3.65	3.60	3.60	3.58	3.40	3.60	3.62	3.62	3.43	3.62	3.43
Heating Capacity Min./Max.	kW	3.24/7.05	4.11/8.93	5.41/11.75	7.13/15.51	8.00/17.39	4.15/9.02	5.41/11.75	7.18/15.60	8.04/17.48	11.24/24.44	13.84/30.08
Heating power input Min./Max.	W	767/1980	972/2508	1279/3301	1676/4328	1918/4952	982/2535	1259/3249	1672/4315	1915/4945	2618/6759	3295/8507
C.O.P Min./Max.	W/W	3.56/4.23	3.56/4.23	3.56/4.23	3.58/4.26	3.51/4.17	3.56/4.23	3.62/4.29	3.62/4.29	3.54/4.20	3.62/4.29	3.54/4.20
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C												
Max. Cooling Capacity	kW	6.7	8.5	11.2	14.7	16.5	8.6	11.2	14.8	16.6	23.2	28.6
E.E.R	W/W	3.54	3.50	3.50	3.48	3.30	3.50	3.51	3.51	3.32	3.51	3.32
Cooling Capacity Min./Max.	kW	3.08/6.70	3.90/8.48	5.13/11.16	6.78/14.73	7.60/16.52	3.94/8.57	5.13/11.16	6.82/14.82	7.64/16.61	10.68/23.22	13.14/28.58
Cooling Power Input Min./Max.	W	744/2267	942/2871	1239/3778	1625/4953	1859/5667	952/2901	1220/3719	1620/4939	1857/5659	2538/7736	3194/9737
E.E.R Min./Max.	W/W	2.95/4.14	2.95/4.14	2.95/4.14	2.97/4.17	2.91/4.09	2.95/4.14	3.00/4.21	3.00/4.21	2.93/4.12	3.00/4.21	2.93/4.12
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C												
Max. Cooling Capacity	kW	5.3	6.7	8.8	11.6	13.0	6.8	8.8	11.7	13.1	18.3	22.6
E.E.R	W/W	2.65	2.62	2.62	2.61	2.48	2.62	2.63	2.63	2.49	2.63	2.49
Cooling Capacity Min./Max.	kW	2.43/5.29	3.08/6.70	4.05/8.81	5.35/11.63	6.00/13.04	3.11/6.77	4.05/8.81	5.38/11.70	6.03/13.11	8.43/18.33	10.38/22.56
Cooling Power Input Min./Max.	W	667 /2105	845/2667	1112/3509	1458/4601	1668/5264	854/2695	1095/3454	1454/4587	1666/5256	2277/7185	2866/9043
E.E.R Min./Max.	W/W	2.51/3.65	2.51/3.65	2.51/3.65	2.53/3.67	2.48/3.60	2.51/3.65	2.55/3.70	2.55/3.70	2.49/3.62	2.55/3.70	2.49/3.62
Rated Current	A	8.1	10.2	13.4	17.6	20.2	4.6	5.8	7.8	8.9	15.2	19.1
Max Power Input	kW	2.4	3.1	4.1	5.3	6.1	3.1	4.0	5.3	6.1	10.4	13.1
Max Current	A	11.69	14.81	19.49	25.55	29.24	6.60	8.46	11.24	12.88	21.99	27.67
Noise Level	dB(A)	57	59	60	61	62	59	60	61	62	62	63
Net Dimension(L×D×H)	mm	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*1455	950*900*1950
Packing Dimension(L×D×H)	mm	1220*540*970	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*1610	1020*960*2125
Net Weight	Kg	78	88	98	128	128	88	98	128	128	150	260
Gross Weight	Kg	105	114	126	161	161	114	126	161	161	176	295



IcefieldPro Series

R410A Split Inverter Air Source Heat Pumps

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Multiple modes for comfortable use
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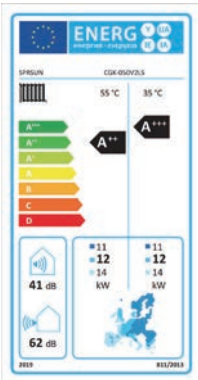
Low Noise Operation
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WIFI Control
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ERP A+++ Performance
- 

High Energy Efficiency
- 

CAREL Controller

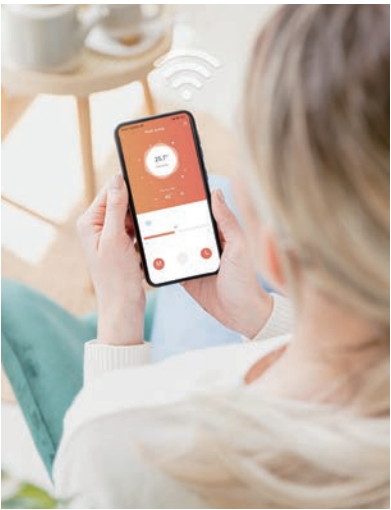


Anti-freezing Protection

Split model design to better avoid freezing problem. Automatic anti-freezing protection by detecting system water temperature.

Improved Heating Efficiency

To save energy, it will automatically change to low frequency operation mode when temperature reaches set value.



Low Noise Operation

Thanks to the DC inverter brushless fans, our split EVI DC inverter heat pumps are operating with sound insulation measures to ensure you have a super low noise unit.

Reduced Defrosting Time

When the unit needs defrosting, it will use high frequency operation, which greatly reduces the defrosting time.



Specifications

Model		CGK030V2LS	CGK050V2LS	CGK060V2LS	CGK-030V2LS	CGK-050V2LS	CGK-060V2LS
Power Supply / Refrigerant	V/HzPh	220-240/50/1 - R410A			380-420/50/3 - R410A		
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C							
Max. Heating Capacity	kW	9.6	16.8	18.8	9.8	16.9	18.9
C.O.P	W/W	4.45	4.48	4.39	4.45	4.48	4.39
Heating Capacity Min./Max.	kW	4.416/9.6	7.728/16.8	8.648/18.8	4.508/9.8	7.774/16.9	8.694/18.9
Heating Power Input Min./Max.	W	794/2157	1380/3750	1576/4282	810/2202	1388/3772	1584/4305
C.O.P Min./Max.	W/W	4.45/5.56	4.48/5.60	4.39/5.49	4.45/5.56	4.48/5.60	4.39/5.49
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C							
Max. Heating Capacity	kW	9.0	15.8	17.7	9.2	15.9	17.8
C.O.P	W/W	3.60	3.58	3.40	3.60	3.58	3.40
Heating Capacity Min./Max.	kW	4.15/9.02	7.26/15.79	8.13/17.67	4.24/9.21	7.31/15.89	8.17/17.77
Heating power input Min./Max.	W	982/2535	1707/4406	1949/5032	1002/2588	1717/4432	1960/5059
C.O.P Min./Max.	W/W	3.56/4.23	3.58/4.26	3.51/4.17	3.56/4.23	3.58/4.26	3.51/4.17
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C							
Max. Cooling Capacity	kW	7.9	13.9	15.6	8.1	14.0	15.6
E.E.R	W/W	3.50	3.48	3.30	3.50	3.48	3.30
Cooling Capacity Min./Max.	kW	3.65/7.94	6.39/13.90	7.15/15.55	3.73/8.11	6.43/13.98	7.19/15.63
Cooling Power Input Min./Max.	W	919/2688	1598/4672	1825/5335	938/2744	1607/4699	1834/5363
E.E.R Min./Max.	W/W	2.95/3.97	2.97/4.00	2.91/3.92	2.95/3.97	2.97/4.00	2.91/3.92
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C							
Max. Cooling Capacity	kW	6.3	11.1	12.4	6.4	11.1	12.4
E.E.R	W/W	2.62	2.61	2.48	2.62	2.61	2.48
Cooling Capacity Min./Max.	kW	2.91/6.32	5.09/11.05	5.69/12.37	2.97/6.45	5.12/11.12	5.72/12.44
Cooling Power Input Min./Max.	W	831/2672	1444/4645	1649/5305	848/2728	1453/4673	1658/5333
E.E.R Min./Max.	W/W	2.36/3.50	2.38/3.52	2.33/3.45	2.36/3.50	2.38/3.52	2.33/3.45
Rated Current	A	10.3	17.9	20.5	4.6	8.0	9.1
Max Power Input	kW	3.1	5.4	6.2	3.2	5.5	6.2
Max Current	A	14.97	26.02	29.71	6.74	11.54	13.17
Noise Level	dB(A)	59	62	63	59	62	63
Expansion Tank	L		5			5	
Electric Heater	kW		3			3	
Electric Heater Current	A		14.4			6.3	
Grundfos Inverter Pump				UPMGEO 25-85-130			
Outdoor Unit Size (L×D×H)	mm	1110*475*810	1110*475*1355	1110*475*1355	1110*475*810	1110*475*1355	1110*475*1355
Outdoor Packing Size (L×D×H)	mm	1235*540*970	1235*540*1510	1235*540*1510	1235*540*970	1235*540*1510	1235*540*1510
Indoor Unit Size (L×D×H)	mm			550*325*650			
Indoor Packing Size (L×D×H)	mm			650*450*840			
Outdoor Unit Weight	Kg	74	110	110	74	110	110
Outdoor Gross Weight	Kg	104	149	149	104	149	149
Indoor Unit Weight	Kg	38	42	42	38	42	42
Indoor Gross Weight	Kg	52	56	56	52	56	56



Ocean Series

R32 DC Inverter Swimming Pool Heat Pumps



Reduced Noise

Max.COP
14.05

High Energy Efficiency



WIFI Control



Easy installation



Advanced Energy-saving Performance

With COP as high as 15.04, the DC inverter pool heat pumps can change the operating frequency of the rotary compressors and fan motors based on the heating needs, greatly speeding up heating time and thus providing more heat compared with traditional pool heat pumps.



Work Silently in Your Backyard

By adopting step-less Panasonic inverter compressors and brushless Nidec DC fans, SPRSUN DC inverter pool heat pumps stay peaceful when heating or cooling your pool water due to its internal noise reduction measures. They provide great silence in your swimming environment, 10dB(A) lower than traditional domestic on/off pool heat pumps.



Intelligent Control System

SPRSUN R32 DC inverter swimming pool heat pumps adopt intelligent touch screen controller for users to easily adjust temperature and manage operation. They also have the Wi-Fi remote control function so that users can use their smartphones to monitor and control the working situation of their inverter pool heat pump anytime and anywhere.



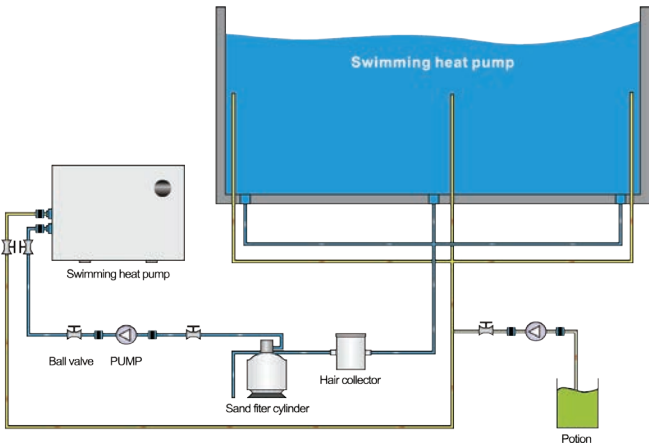
Supper Chemical Resistance to Avoid Corrosion

The full inverter pool heat pumps use Titanium Tube-in-Shell Heat Ex-changer with superior chemical resistance so as to avoid corrosion. Titanium is hard, corrosion-resistant, and heat-resistant, making it a great option for handling the high temperatures, water erosion, and the pressure required to run a pool heat exchanger.

Upgraded Installation Efficiency

When you have a new pool heat pump installed, you do not only consider costs, sizing, efficiency and durability, but also ease of installation. The cuboid design of the domestic inverter pool heat pump, concise and clean, is full of convenience sense, making it one of easiest heat pump pool heaters to install.

Installation Diagram



Specifications

Model		CGY015V3	CGY020V3	CGY025V3	CGY030V3	CGY035V3	CGY040V3	CGY050V3	CGY060V3	CGY-080V3
Advised Pool Volume	m3	15-20	20-30	25-40	30-60	40-80	50-100	50-100	60-120	80-140
Power Supply	V / Hz / Ph	220-240 / 50 / 1								380-420 / 50 / 3
Refrigerant		R32								
Performance Condition: Air 27°C / Water 26°C / Humidity 80%										
Max. Heating Capacity	kW	6.5	9	10.5	14	17	23	28	30	39
C.O.P	W / W	6.9	7.52	7.45	7.41	7.28	7.32	7.05	7.04	6.98
Heating Capacity Min. / Max.	kW	2.02 / 6.5	2.79 / 9	3.26 / 10.5	4.34 / 14	5.27 / 17	7.13 / 23	8.68 / 28	9.30 / 30	12.09 / 39
Heating Power Input Min. / Max.	W	146 / 942	186 / 1197	218 / 1409	293 / 1889	362 / 2335	487 / 3142	616 / 3972	661 / 4261	866 / 5587
C.O.P Min. / Max.	W / W	6.9 / 13.80	7.52 / 15.04	7.45 / 14.90	7.41 / 14.82	7.28 / 14.56	7.32 / 14.64	7.05 / 14.10	7.04 / 14.08	6.98 / 13.96
Performance Condition: Air 15°C / Water 26°C / Humidity 70%										
Max. Heating Capacity	kW	4.7	6.5	7.6	10.1	12.2	16.6	20.2	21.6	28.1
C.O.P	W / W	4.80	5.23	5.18	5.15	5.06	5.09	4.90	4.89	4.85
Heating Capacity Min. / Max.	kW	1.50 / 4.68	2.07 / 6.48	2.42 / 7.56	3.23 / 10.08	3.92 / 12.24	5.30 / 16.56	6.45 / 20.16	6.91 / 21.60	8.99 / 28.08
Heating power input Min. / Max.	W	197 / 976	251 / 1240	295 / 1460	396 / 1957	489 / 2419	658 / 3255	832 / 4114	893 / 4415	1170 / 5788
C.O.P Min. / Max.	W / W	4.80 / 7.59	5.23 / 8.27	5.18 / 8.20	5.15 / 8.15	5.06 / 8.01	5.09 / 8.05	4.90 / 7.76	4.89 / 7.74	4.85 / 7.68
Performance condition: Air 35°C / Water 28°C / Humidity 64%										
Max. Cooling Capacity	kW	3.6	5.0	5.8	7.7	9.4	12.7	15.4	16.5	21.5
E.E.R	W / W	3.12	3.40	3.37	3.35	3.29	3.31	3.18	3.18	3.15
Cooling Capacity Min. / Max.	kW	1.64 / 3.58	2.28 / 4.95	2.66 / 5.78	3.54 / 7.70	4.30 / 9.35	5.82 / 12.65	7.08 / 15.40	7.59 / 16.50	9.87 / 21.45
Cooling Power Input Min. / Max.	W	352 / 1147	447 / 1457	526 / 1716	705 / 2300	872 / 2843	1173 / 3825	1483 / 4835	1591 / 5188	2086 / 6803
E.E.R Min. / Max.	W / W	3.12 / 4.68	3.40 / 5.10	3.37 / 5.05	3.35 / 5.02	3.29 / 4.93	3.31 / 4.96	3.18 / 4.78	3.18 / 4.77	3.15 / 4.73
Rated Current	A	4.5	5.7	6.7	9.0	11.2	15.0	19.0	20.4	11.8
Max Current	A	6.5	8.3	9.8	13.1	16.2	21.80	27.55	29.56	17.10
Max Power Input	kW	1.34	1.70	2.00	2.68	3.32	4.46	5.64	6.05	7.93
Noise Level	dB(A)	41	43	45	49	52	55	58	60	62
Net Dimension(L×D×H)	mm	930*380*670	930*380*670	930*380*670	1090*510*820	1090*510*820	1090*510*1000	1090*510*1000	1090*550*1100	1090*550*1100
Packing Dimension(L×D×H)	mm	960*410*770	960*410*770	960*410*770	1120*540*930	1120*540*930	1120*540*1120	1120*540*1120	1120*540*1230	1120*540*1230
Net Weight	kg	48	57	64	88	92	105	124	135	150
Gross Weight	kg	50	60	67	93	97	110	135	145	176



Prairie Series

Domestic Air To Water Heat Pumps



Max. Outlet Water Temperature



High Energy Efficiency



Reduced Noise



Built-in water pump



Wilo water pump



Multiple Protections

Adopting high-voltage, low-voltage, and overcurrent protection technologies, the reliability and safety are enhanced, ensuring safe usage.

Built-in water pump

The heat pump has a built-in WILO brand water pump, which is more convenient and convenient to install, reducing the cost of additional water pump purchase and installation difficulty.

Installation Diagram

- 1.Compressor

2.Condenser

3.Electromic Expansion valve

4.Evaporator

5.Controlling system

6.4-way valve

7.Fan motor

8.Filter

9.Gas-liquid separator

10.Cycle water pipe(To tank)

11. Cycle water pipe(From tank)

12.Hot water outlet

13.Water tank temp sensor tube

14.Drain water pipe

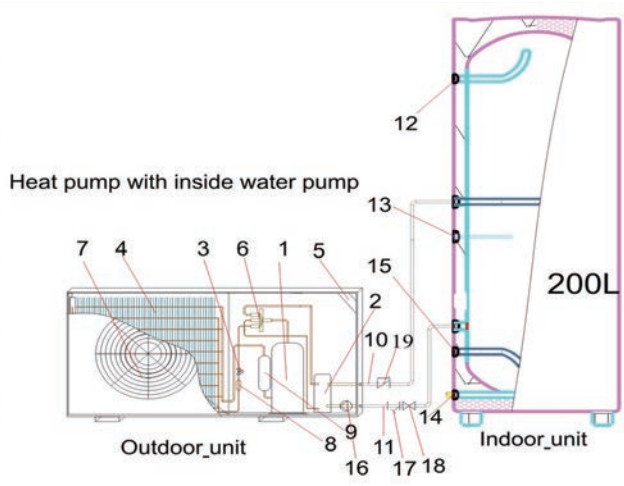
15.Cool water inlet

16.Water pump(can inside or outside heat pump)

17.Water filter

18.Gate valve

19.non-return valve



Specifications

Model		CGKS-3.5	CGKS-5.5	CGKS-7	CGKS-9
Power supply	V	220V ~ 240V/50Hz/1ph			
Refrigerant	R410A				
Rated working condition: dry-bulb temp: 20°C , wet-bulb temp: 15°C , cool water temp: 15°C , hot water temp:55°C .MOQ is 5pieces.					
Heating capacity	KW	3.8	5.5	7.6	9
Input power	KW	0.92	1.33	1.84	2.23
COP		4.15	4.12	4.14	4.12
Rated current	A	4.6	6.7	9.3	11.3
Max current	A	6.2	9.1	12.5	15.2
Max input power	KW	1.3	1.9	2.6	3.1
Fan motor power	W	30	30	40	40
Fan motor quantity	Piece	1	1	1	1
Condenser	Tube in shell heat exchanger				
Water flow	L/h	726	1051	1452	1758
Water rate	L/h	82	118	163	193
Water pressure drop	Kpa	≤ 15	≤ 18	≤ 25	≤ 27
Net weight	kg	40	46	55	62
Gross weight	kg	45	52	57	65
Noise	db	42	42	45	45
Classification of waterproof	IPX4				
Electric shock proof grade	I				
Pipe size (internal thread)	mm	DN20	DN20	DN20	DN20
Water pump	WILO	RS15-6	RS15-6	RS15-6	RS15-6
Dimension	mm	970*300*550	970*300*550	1006*350*618	1006*350*618
Packing dimension	mm	1040*330*580	1040*330*580	1070*380*650	1070*380*650
Compressor	MITSUBISHI				



PrairiePro Series

Top Discharge Commercial Air To Water Heat Pumps



Max. Outlet Water Temperature



High Energy Efficiency



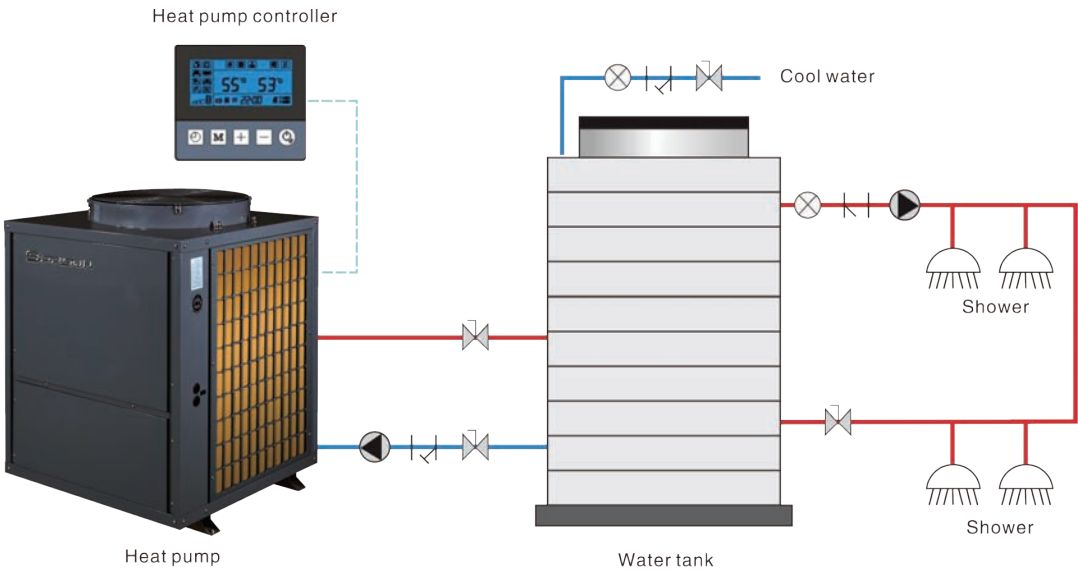
WIFI Control



Save Energy by Up to 75%

While the heating efficiency of air source heat pump water heaters can reach 400% when the ambient temperature is high enough. Even under 0° C ambient temperature, the heating efficiency can be 200%, far higher than that of electric water heaters or gas water heaters.

Installation Diagram



Specifications

Model		CGK/D-9	CGK/D-12	CGK/D-18	CGK/D-12	CGK/D-18	CGK/D-22	CGK/D-36	CGK/D-42	CGK/D-52	CGK/D-72	CGK/D-95
Power supply	V	220V ~ 240V/50Hz/1ph					380V ~ 415V/50Hz/3ph					
Refrigerant		R410A					R407C					
Rated working condition: dry-bulb temp: 20℃ , wet-bulb temp: 15℃ , cool water temp: 15℃ , hot water temp:55 ℃ .												
Heating capacity	KW	9.5	13.8	17.5	13.8	18.5	24.5	37	45	52	72	88
Input power	KW	2.29	3.35	4.23	3.35	4.48	5.95	8.96	10.90	12.44	17.22	21.00
COP		4.15	4.12	4.14	4.12	4.13	4.12	4.13	4.13	4.18	4.18	4.19
Rated current	A	11.6	16.9	21.3	6.4	8.5	11.3	17.0	20.7	23.6	32.7	39.9
Max current	A	15.6	22.8	28.8	8.6	11.5	15.2	23.0	27.9	31.9	44.2	53.8
Max input power	KW	3.2	4.7	5.9	4.7	6.3	8.3	12.1	14.7	16.8	23.3	28.4
Fan motor power	W	90	90	250	90	250	250	250	250	550	800	1150
Fan motor quantity	Piece	1					2					
Condenser		Tube in shell heat exchanger										
Water flow	L/h	1815	2637	3344	2637	3535	4681	7070	8598	9936	13758	16815
Water rate	L/h	204	297	376	297	398	527	/	/	/	/	/
Water pressure drop	Kpa	≤ 30	≤ 35	≤ 40	≤ 35	≤ 45	≤ 50	≤ 55	≤ 60	≤ 65	≤ 70	≤ 75
Net weight	kg	95	100	140	100	140	148	250	286	300	673	693
Gross weight	kg	101	106	150	106	150	158	268	306	320	777	808
Noise	db	52	52	57	52	57	58	65	65	68	75	78
Classification of waterproof							IPX4					
Electric shock proof grade							I					
Pipe size (internal thread)	mm	25	25	25	25	25	25	32	32	40	50	65
Dimension	mm	710*710*925	710*710*925	810*810*1055	710*710*925	810*810*1055	810*810*1055	1450*740*1150	1580*855*1200	1850*1000*1950	1850*1000*1950	2000*1100*2080
Packing dimension	mm	780*780*1075	780*780*1075	890*890*1205	780*780*1075	890*890*1205	890*890*1205	1540*820*1320	1700*950*1470	1940*1120*2180	1940*1120*2180	2090*1200*2260
Compressor model/quantity		ZW28KWP*1	ZW42KWP*1	ZW51KWP*1	ZW42KWP*1	ZW54KWP*1	ZW72KWP*1	ZW54KWP*2	ZW72KWP*2	ZW83KWP*2	ZW108KAE*2	VR144KSE*2

SPRSUN

Your Comfort Our Promise

Our heat pump products have been
exported to over 60 countries.

Projects Worldwide

SPRSUN is around you no matter what seasons!



Partnership

SPRSUN heat pumps are now exported all over the world. Currently, we have a distributor and agent network in more than 60 countries.

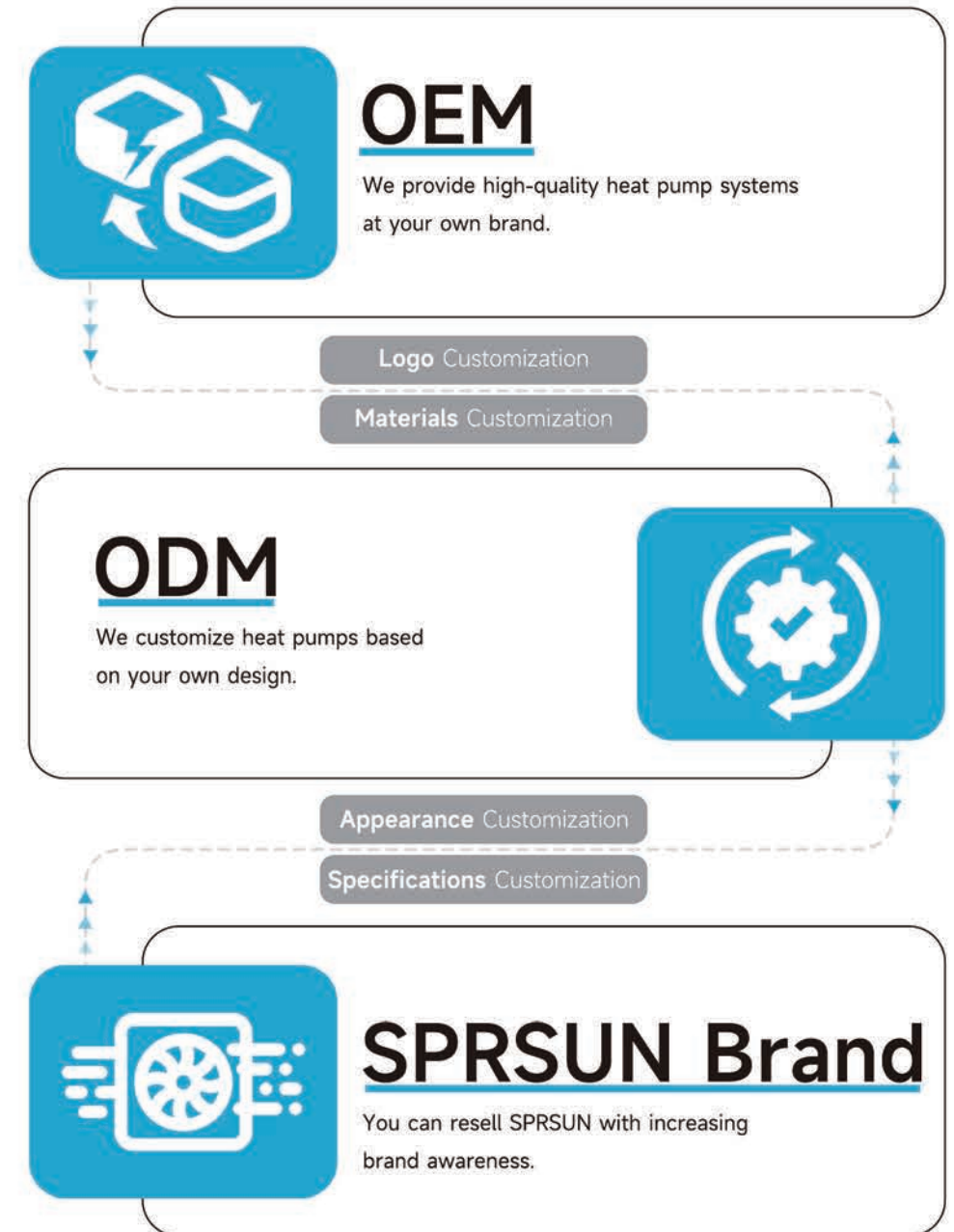
SPRSUN also cooperates with local heat pump companies for OEM/ODM. We can customize and produce European standard heat pumps under our partners' brands.



SERVICE & SUPPORT

SPRSUN - Your Best OEM/ODM Heat Pump Partner

Contact Our Customized Solutions Team to Start Building Your Solution.



01
SPRSUN offers 3-5 year long warranty

02
Occasional customer visits and technical support

03
Provide comprehensive and professional technical training

04
Marketing promotion and global exhibition for branding

SPRSUN Heat Pump Family



ForestPro Series

R290 DC Inverter Air Source Heat Pumps



JunglePro Series

R32 DC Inverter Air Source Heat Pumps



Jungle Series

R32 DC Inverter Air Source Heat Pumps



Icefield Series

R410A DC Inverter Air Source Heat Pumps



IcefieldPro Series

R410A Split DC Inverter Air Source Heat Pumps



Ocean Series

R32 Full Inverter Swimming Pool Heat Pumps



Prairie Series

Domestic Air To Water Heat Pumps



PrairiePro Series

Top Discharge Commercial Air To Water Heat Pumps



Easy AquaKit

Heat Pump Kit

