



YOUR COMFORT, OUR PROMISE.

SPRSUN

Professional heat pump manufacturer since 1999

FOCUS ON HOT WATER HOUSE HEATING AND COOLING



GUANGZHOU SPRSUN NEW ENERGY TECHNOLOGY DEVELOPMENT CO., LTD.
<https://www.sprsunheatpump.com>

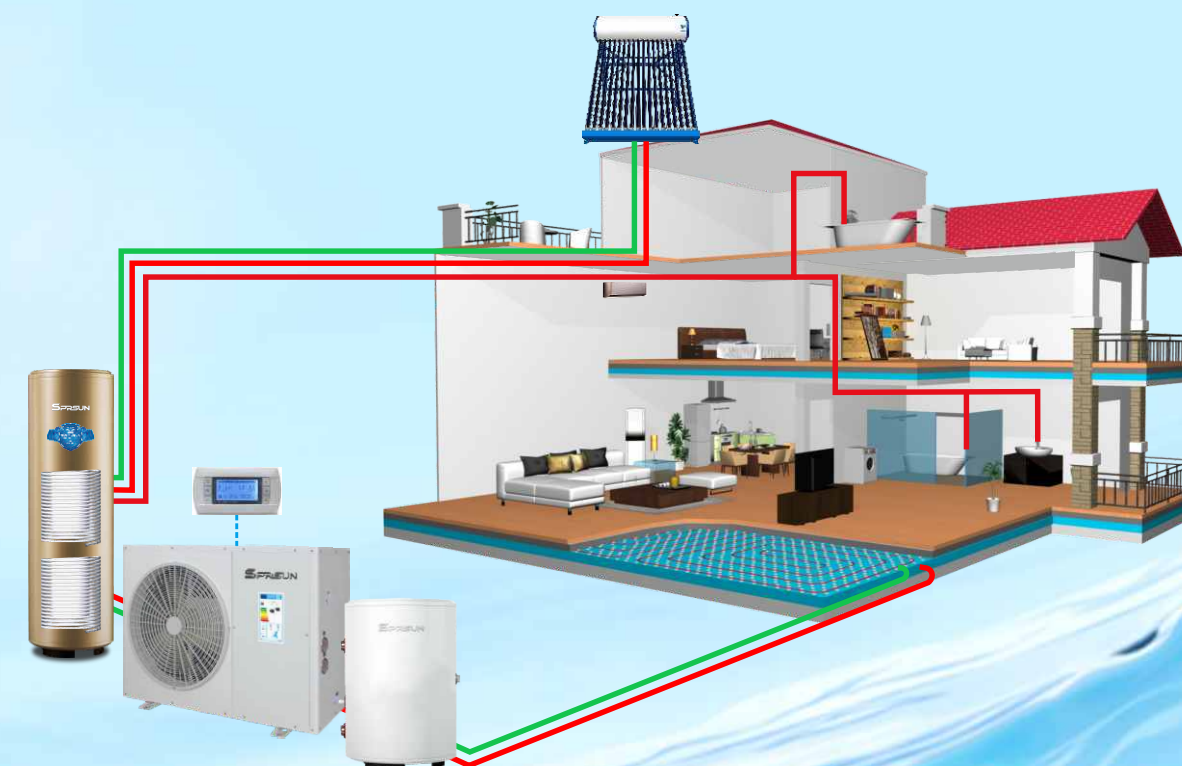


No.15 Tangxi Road, Yinsha Industrial Park, Xintang, Zengcheng District,
 Guangzhou, 511338, China
 TEL: 0086-20-82181867
 FAX: 0086-20-82180003
 EMAIL: inquiry@sprsun.com

PHONE: 0086-18933985223
 SKYPE: sprsun.sprsun

The content in the catalogue may be different from the actual products due to hardware update.
 Please refer to the actual.

Version Number: SC20210611



Values of SPRSUN

Innovation, service, faith, dedication, win-win situation.

Mission of SPRSUN

To create an energy-saving value, make a happy life.

**SPRSUN IS AROUND YOU NO
MATTER WHAT SEASONS!**

CONTENT

Our Company

P1-8

- Company Profile
- SPRSUN History
- Certificates & Partners
- Production Line Introduction

Our Products

P9-32

- List of SPRSUN Heat Pumps
- R32 Monoblock EVI DC Inverter Air Source Heat Pumps
- R410A Monoblock DC Inverter Air Source Heat Pumps
- R410A Split EVI DC Inverter Air Source Heat Pumps
- R32 DC Inverter Swimming Pool Heat Pumps
- Domestic Air to Water Heat Pumps
- Top Discharge Commercial Air to Water Heat Pumps

Our Service & Support

P33-34

- OEM/ODM Support
- Technical Support
- Sales & Marketing Support

Projects Worldwide

P35

- Projects Worldwide

Company Gallery

P36

- Company Gallery

COMPANY PROFILE

Founded in 1999 as a professional heat pump manufacturer, Guangzhou SPRSUN New Energy Technology Development Co., Ltd. has been in the heat pump industry for over 21 years.

Our Products

Focusing on hot water, heating and cooling, SPRSUN is built up to meet customers' special energy saving needs with advanced technology support from Germany while ISO9001 and ISO14001 have been obtained. Its main products include monoblock air source DC inverter heat pumps, split air source EVI DC inverter heat pumps, swimming pool heat pumps, air source heat pump water heaters and so on. They are produced based on EN14511 standard with CE, CB, SAA, CCC and ERP certificates.

Our Markets

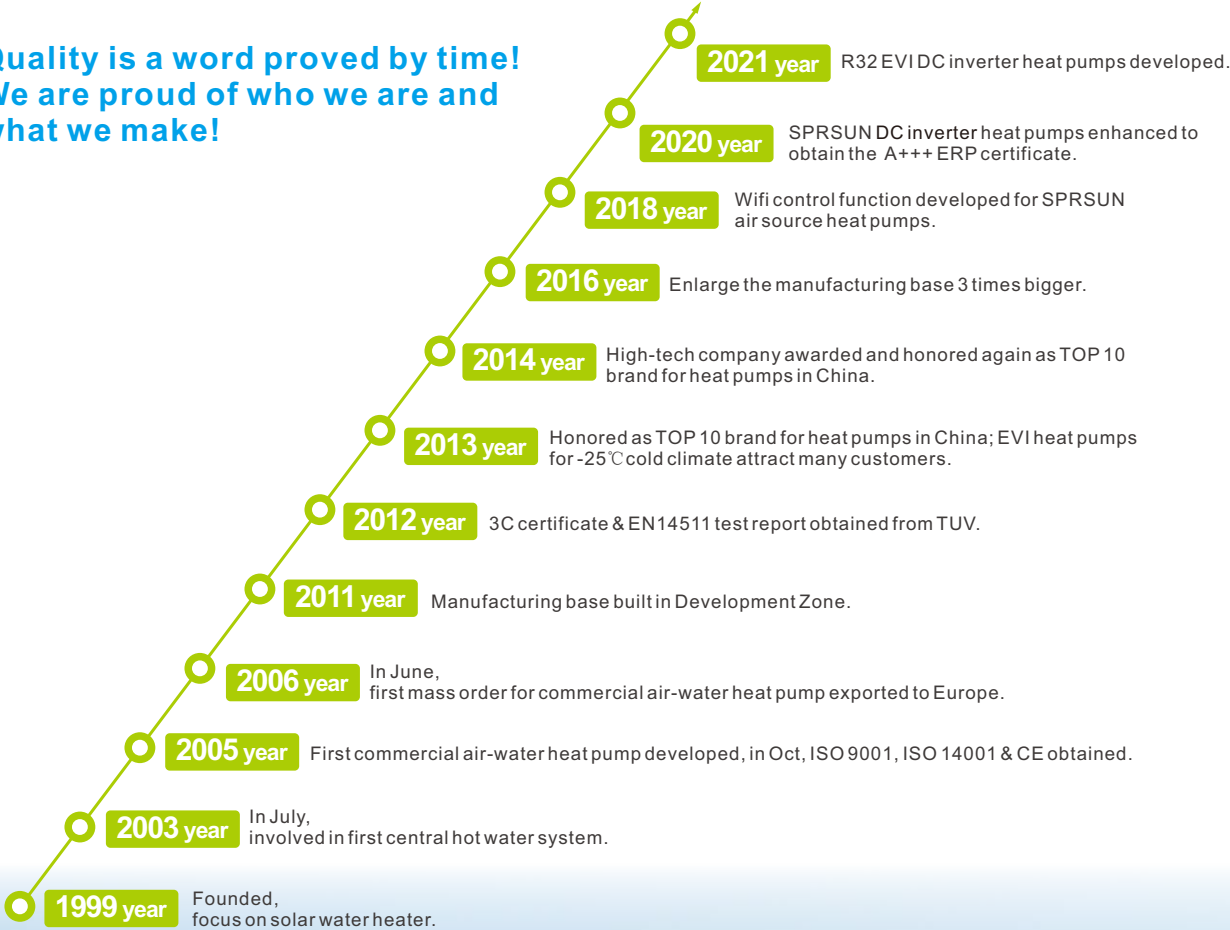
Over the years, excellent products based on leading technology and professional service have earned SPRSUN its reputation as the world's leading heat pump manufacturing and supplying company. Our products are popular all over the world, such as Germany, Sweden, Serbia, Turkey, Czech, Russia, Vietnam, Australia, South Africa and so on.

Our Service

With dedicated professional members in engineering team, production team, management team and marketing team, we are willing to cooperate with you from the very beginning to the end. Our service covers from project consultation, product design, sampling, production to quality control, logistics, shipping, technical support, after sales service and other important functions.

HISTORICAL DEVELOPMENT

Quality is a word proved by time!
We are proud of who we are and
what we make!



CERTIFICATES



CE Certificate



ISO 19001



ISO 14001



CCC Certificate



ROHS Certificate



ERP A+ TUV Test Report



ERP A+++ TUV Test Report



Noise Test Report

GLOBAL PARTNERS



Our Partners



PRODUCTION LINES

Multiple production lines, advanced equipment, experienced workers and standard production procedures provide us with strong production capacity (over 3000 piece 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.



Technical Support by Our Engineers

- 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.



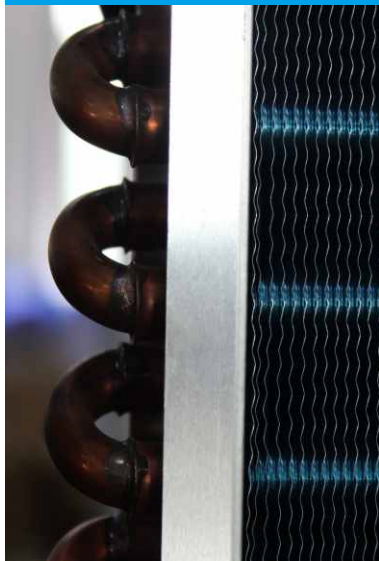
WORKMANSHIP

We Care Every Detail on What You Need.

Super Low Noise
with Fitted Clothes for Compressor and Strong Pads



Anti-corrosion
with Aluminium Edging



Excellent Welding
Guarantee No Leakage with Four-Way Valve Protection




Prevent Energy Loss
with 30mm Thickness for Insulation



User-friendly Design
Using Non-slip Screws



Reliable Connection
by Adopting Automatic Stamping Machine



QUALITY CONTROL

Ensure Our Heat Pumps Are 100% Tested Before Delivery!



OUR PRODUCTS

R32 EVI Monoblock DC Inverter Air Source Heat Pump

Models

R32

A+++

WiFi
WiFi Control
(Optional)

-25°C

Max. COP:
5.95



Max. Heating Capacity: 12KW-22KW

Functions

- Multi-functions: hot water, house heating & cooling.
- Ambient temperature: -25-45°C.
- High efficiency with ERP A+++ energy level.
- Super low noise with brushless DC inverter fans & the compressor dual shock absorption.
- Smart control with CAREL controller, WIFI online monitoring & intelligent protections.
- Guaranteed safety with explosion proof measures.
- Anti-freezing function & smart defrosting.
- Power supply: 220V ~ 240V/50Hz/1ph or 380V - 420V/50Hz/3ph.
- Refrigerant: R32.
- Max. heating capacity: 12KW-22KW.
- Max. cooling capacity: 10.9KW-20.1KW.

R410A DC Inverter Air Source Heat Pumps

DC Inverter – Monoblock Type

EVI DC Inverter – Split Type

Models

A+++

-20°C

Max. COP:
5.65



Max. Heating Capacity: 9.5KW-12.5KW



Max. Heating Capacity: 16.5KW-32KW

A+++

-25°C

Max. COP:
5.60



Max. Heating Capacity: 9.6KW-9.8KW



Max. Heating Capacity: 16.8KW-18.9KW

Functions

- Multi-functions: hot water, house heating & cooling.
- ERP A+++ energy level rated by TUV.
- Ambient temperature: -20°C-45°C.
- High efficiency with Panasonic rotary compressor.
- Super low noise with brushless DC inverter fans.
- Smart control with CAREL controller (RS485/WIFI APP).
- Cascade function (optional).
- Anti-freezing function & smart defrosting.
- Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 420V/50Hz/3ph.
- Refrigerant: R410A.
- Max. heating capacity: 9.5KW-32KW.
- Max. cooling capacity: 8.5KW-28.6KW.

- Multi-functions: hot water, house heating & cooling.
- ERP A+++ energy level rated by TUV .
- Split model design to avoid freezing problems.
- Ambient temperature: -25°C-45°C.
- Work stably in cold weather with EVI Panasonic rotary compressor.
- Super low noise with brushless DC inverter fans.
- Smart control with CAREL controller (RS485/WIFI APP).
- Cascade function (optional).
- Reduce water consumption with Grundfos inverter pump.
- Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 420V/50Hz/3ph.
- Refrigerant: R410A.
- Max. Heating Capacity: 9.6KW-18.9KW.
- Max. cooling capacity: 7.9KW-15.6KW.

PAGE | 10

Swimming Pool Heat Pumps	
Side Discharge Type	Top Discharge Type
Models	
<div> <div>R32</div> <div>DC Inverter</div> </div> <div>   </div> <div>Max. Heating Capacity: 4KW-12.5KW</div>	<div> <div>Max. Water Temp.: 40°C (45°C Optional)</div> <div>Max. COP: 5.16</div> </div> <div>   </div> <div> <div>Heating Capacity: 10KW-26KW</div> <div>Heating Capacity: 40KW-60KW</div> </div> <div>  </div> <div>Heating Capacity: 80KW-100KW</div>
Functions	
<ul style="list-style-type: none"> ● Function: domestic pool water heating/cooling. ● Constant pool water temperature. ● Anti-corrosion with titanium tube-in-shell heat exchanger. ● Save energy and speed up heating time with COP up to 5.85. ● Stay silent in your backyard (noise as low as 40dB). ● Power supply: 220V ~ 240V/50Hz/1ph. ● Refrigerants: R32/R410A. ● Max. Heating Capacity: 4KW-12.5KW ● Max. Cooling Capacity: 3.1KW-9.8KW 	<ul style="list-style-type: none"> ● Function: commercial pool water heating/cooling. ● Constant pool water temperature max. 40°C (45°C optional). ● Anti-corrosion with titanium tube-in-shell heat exchanger. ● Absorb heat from the air with high COP up to 5.16. ● Smart control with RS485 and Cascade function (optional). ● Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 415V/50Hz/3ph. ● Refrigerant: R410A/R407C. ● Heating capacity: 10KW-100KW. ● Cooling capacity: 6.5KW-65KW.

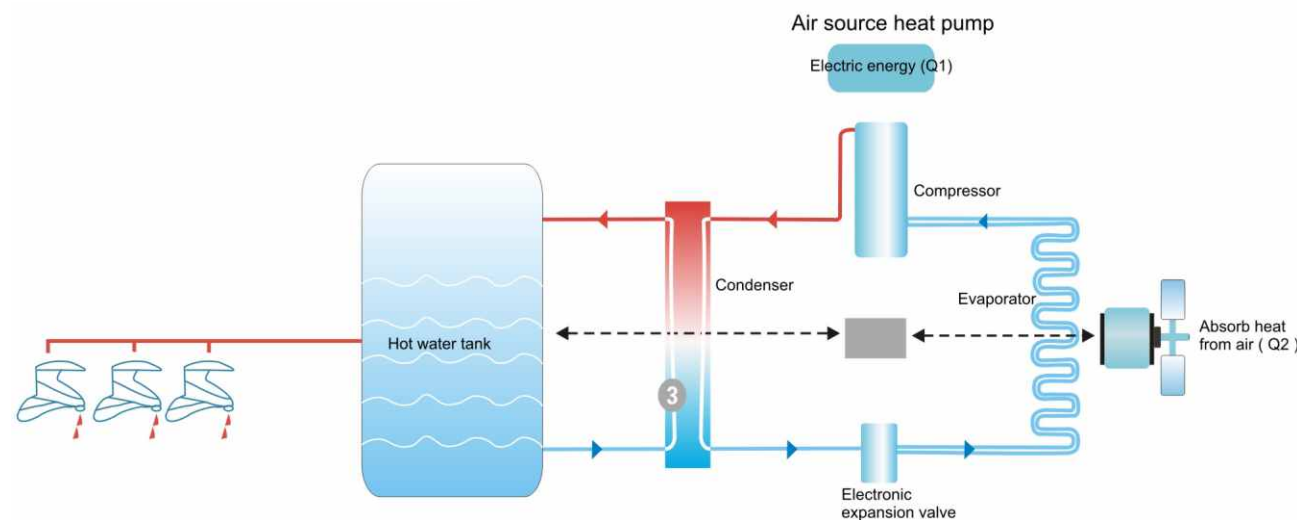
Air Source Heat Pump Water Heaters	
Household Type	Commercial Type
Models	
<div> <div>Max. COP: 4.15</div> <div>Max. Water Temp.: 60°C</div> </div> <div>   </div> <div> <div>Heating Capacity: 3.8KW-9.2KW</div> </div>	<div> <div>Max. Water Temp.: 60°C</div> <div>WiFi Control (Optional)</div> </div> <div>   </div> <div> <div>Heating Capacity: 9.5KW-24.5KW</div> <div>Heating Capacity: 37KW-45KW</div> </div> <div>  </div> <div>Heating Capacity: 52KW-88KW</div>
Functions	
<ul style="list-style-type: none"> ● Function: domestic hot water heating. ● Max. outlet water temperature: 60°C ● Ambient temperature: -10°C-45°C. ● Side discharge type. ● High heating efficiency with MITSUBISHI/Panasonic compressor. ● WILO water pump & Danfoss electronic expansion valve. ● Smart control with RS485 and Cascade function (optional). ● Automatic multiple protections. ● Automatic and forced defrosting function. ● Power supply: 220V ~ 240V/50Hz/1ph. ● Refrigerant: R410A. ● Heating capacity: 3.8KW-9.2KW. 	<ul style="list-style-type: none"> ● Function: commercial hot water heating. ● Max. outlet water temperature: 60°C ● Ambient temperature: -10°C-45°C. ● Top discharge type. ● COP up to 4.19 with Copeland scroll compressor. ● Electric heater backup function. ● Smart control with RS485 and Cascade function (optional). ● Automatic multiple protections. ● Automatic and forced defrosting function. ● Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 415V/50Hz/3ph. ● Refrigerant: R410A/R407C. ● Heating capacity: 9.5KW-88KW.

EVI Low Temp Air Source Heat Pumps	
Side Discharge Type	Top Discharge Type
Models	
<div> <div>-25°C</div> <div>WiFi Control (Optional)</div>  <p>Heating Capacity: 10.5KW-11KW</p>  <p>Heating Capacity: 18.5KW-20KW</p> </div>	<div> <div>-25°C</div> <div>WiFi Control (Optional)</div>  <p>Heating Capacity: 40KW</p>  <p>Heating Capacity: 52KW-92KW</p> </div>
Functions	
<ul style="list-style-type: none"> ● Functions: domestic hot water, house heating and cooling. ● Max. outlet water temperature: 60°C ● Ambient temperature: -25°C-45°C. ● Work stably in cold areas with EVI Copeland scroll compressor. ● Smart control with RS485 and Cascade function. ● Electric heater back up function. ● Anti-freezing function. ● Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 415V/50Hz/3ph. ● Refrigerant: R407C. ● Heating capacity: 10.5KW-26KW. ● Cooling capacity: 7.38KW-17.4KW. 	<ul style="list-style-type: none"> ● Functions: commercial hot water, house heating and cooling. ● Max. outlet water temperature: 60°C ● Ambient temperature: -25°C-45°C. ● Work stably in cold areas with EVI Copeland scroll compressor. ● Smart control with RS485 and Cascade function. ● Automatic multiple protections. ● Anti-freezing function. ● Power supply: 380V ~ 415V/50Hz/3ph. ● Refrigerant: R407C/R410A. ● Heating capacity: 40KW-92KW. ● Cooling capacity: 26.8-KW-61.2KW.

Ground/Water Source Heat Pumps	
Household Type	Commercial Type
Models	
<div> <div>Max. Water Temp.: 60°C</div> <div>Max. COP: 5.25</div>   <p>Heating Capacity: 10KW-25KW</p> </div>	<div> <div>Max. Water Temp.: 60°C</div> <div>Max. COP: 5.24</div>  <p>Heating Capacity: 39KW-100KW</p> </div>
Functions	
<ul style="list-style-type: none"> ● Functions: domestic hot water, house heating and cooling. ● Max. outlet water temperature: 60°C ● Working source side outlet water temperature range: -10°C to 35°C ● The system can be either closed loop or open loop. ● Smart control with RS485 and Cascade function (optional). ● Electric heater back up function. ● Defrosting and An-freezing functions. ● Power supply: 220V ~ 240V/50Hz/1ph or 380V ~ 415V/50Hz/3ph. ● Refrigerant: R410A. ● Heating capacity: 10KW-25KW. ● Cooling capacity: 8.5KW-21.3KW. 	<ul style="list-style-type: none"> ● Functions: commercial hot water, house heating and cooling. ● Max. outlet water temperature: 60°C ● Working source side outlet water temperature range: -10°C to 35°C ● The system can be either closed loop or open loop. ● Smart control with RS485 and Cascade function (optional). ● Electric heater back up function. ● Multi-protections. ● Power supply: 380V ~ 415V/50Hz/3ph. ● Refrigerant: R410A/R407C. ● Heating capacity: 39KW-100KW. ● Cooling capacity: 33.2KW-85KW.


ABOUT AIR SOURCE TECHNOLOGY

Working Principle





Based on reverse Carnot cycle, the refrigerant in the evaporator absorbs a large amount of energy from the air, which is then compressed into high temperature and high pressure gas by the compressor and finally exchanging heat through the heat ex-changer, so as to provide house heating and hot water.

Core Advantages




Environment-friendly:
no combustion
or exhaust emission.






Save more than 75%
energy compared
with electric heating.



All-weather hot
water supply, heating
in winter and cooling
in summer.



Separation of water
and electricity, no
hidden danger.

ABOUT DC INVERTER TECHNOLOGY



Heating in Low Temperature

With the use of DC inverter compressor and DC inverter controller, it can automatically increase the operating frequency according to the ambient temperature and greatly improve the heating capacity in low temperature environment.

Wide Voltage Operation

Start at low frequency and low current, without impact on power grid and electricity meter, reducing the interference to other indoor electrical appliances. 150V-260V (1ph) or 330V-450V (3ph) wide voltage operation is applicable to solve safety problems caused by voltage instability.

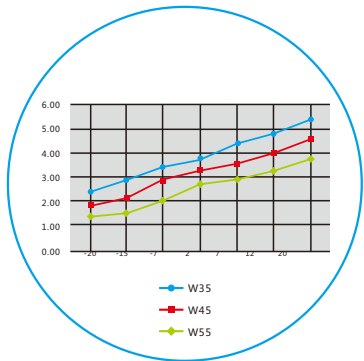


Super Low Noise

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.

High Heating Efficiency

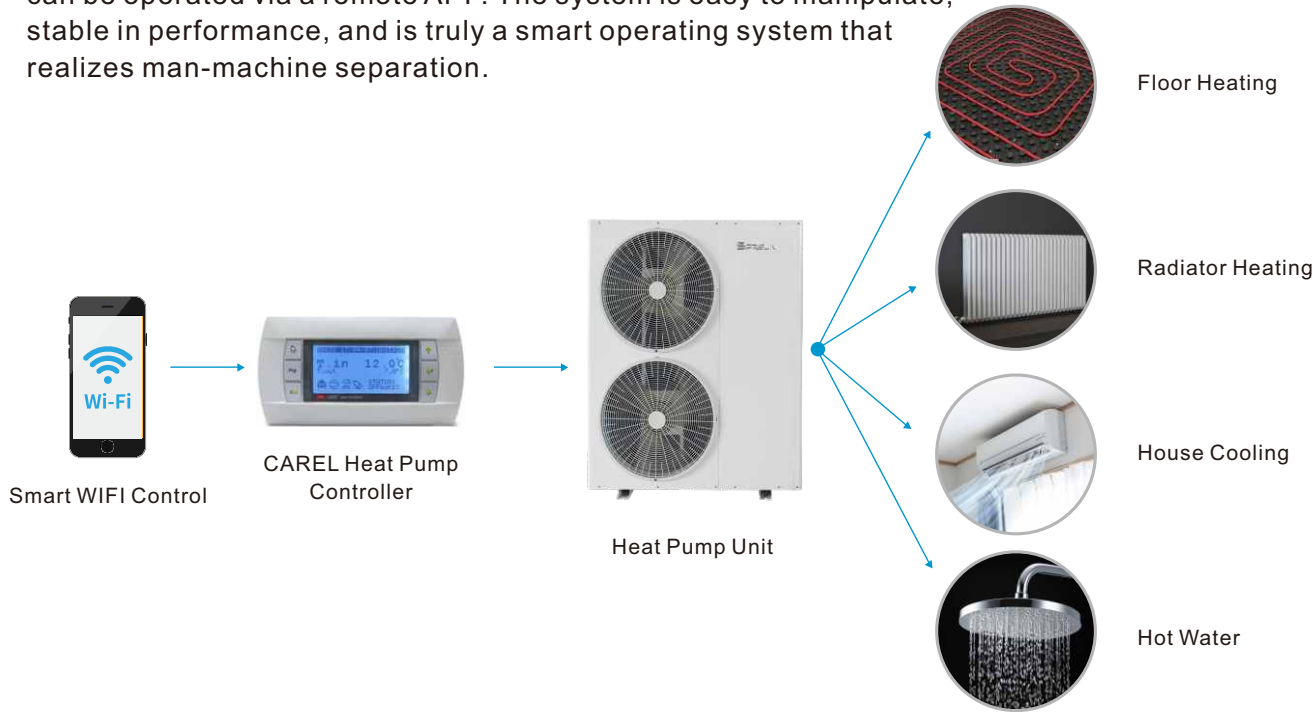
The unit can operate at high frequency to heat water at a faster speed. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain temperature.



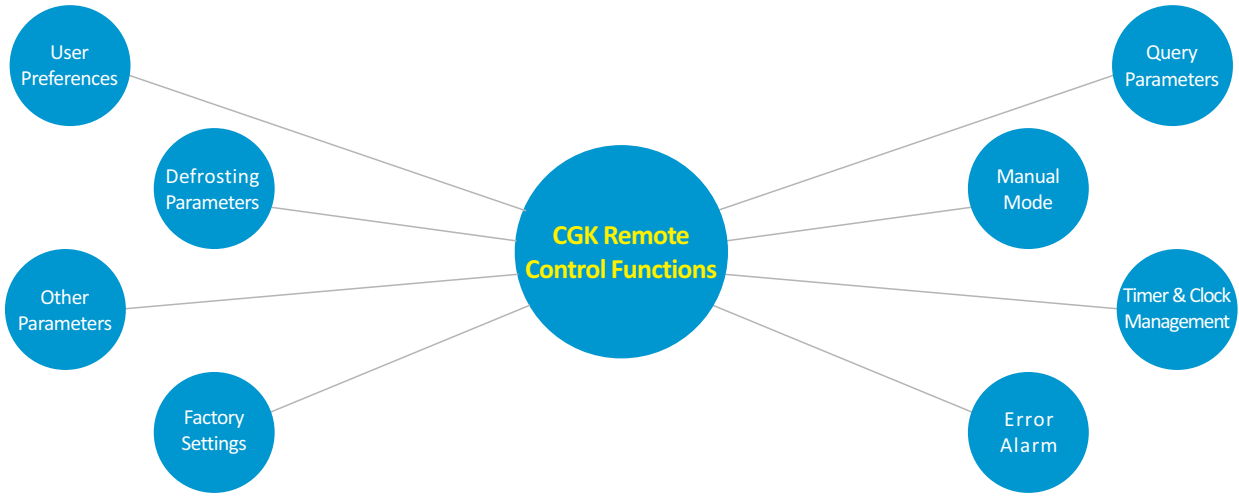
CGK ONLINE INTELLIGENT REMOTE CONTROL SYSTEM

Working Principle

SPRSUN's self-developed CGK online intelligent remote 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.



CGK Remote Control Functions



MULTIPLE FUNCTION FIVE WORKING MODES



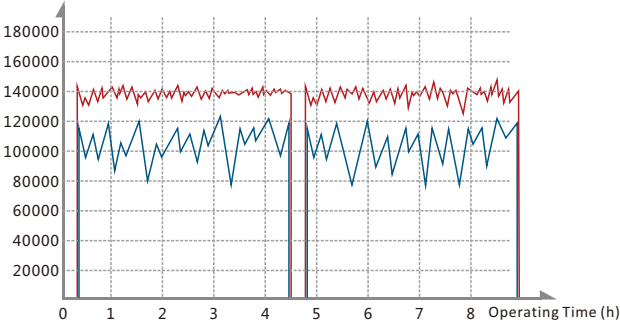
Five Working Modes

- Mode 1 Central Hot Water:** Constant Temperature, Sufficient Water Volume, 24-hour Instant Supply
- Mode 2 Central Cooling:** Water Cooled Air Conditioning, Soft Air Supply, Comfortable for Human Body.
- Mode 3 Whole House Heating:** Water Cycled Floor Heating, Well-distributed Heat Dissipation, Healthy & Energy Saving.
- Mode 4 Hot Water + House Cooling:** Meet the Requirements of Both Central Hot Water and Air Conditioning.
- Mode 5 Hot Water + House Heating:** Meet the Requirements of Both Central Hot Water and Room Heating.

ADVANTAGES OF SPRSUN EVI DC INVERTER AIR SOURCE HEAT PUMPS

Comparison of Heating Capacity

Heating Capacity



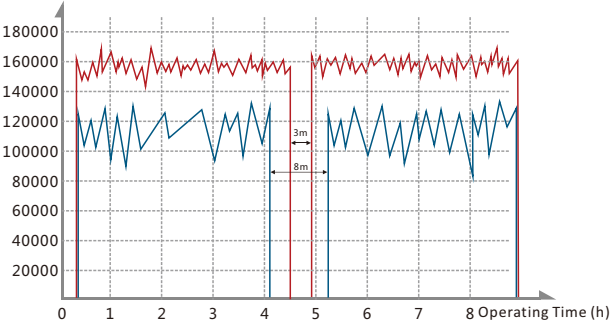
- SPRSUN EVI DC Inverter Heat Pump
- Regular Heat Pump

SPRSUN EVI DC Inverter Heat Pumps:
strong heating, stable heating performance, over 38% heating capacity more than ordinary air source heat pump.

Regular Heat Pumps:
short heating time and weak heating stability.

Comparison of Defrosting Capability

Heating Capacity



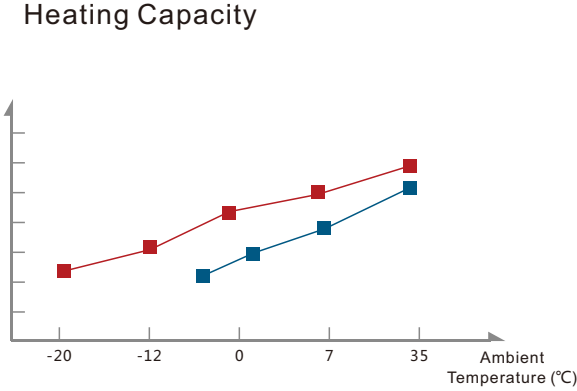
- SPRSUN EVI DC Inverter Heat Pump
- Regular Heat Pump

SPRSUN EVI DC Inverter Heat Pumps:
intelligent and efficient defrosting, defrosting efficiency being over 2.2 times of that of regular heat pumps, long heating time and short defrosting time.

Regular Heat Pumps:
low heating capacity, long defrosting time.

EVI Low Temp Heating

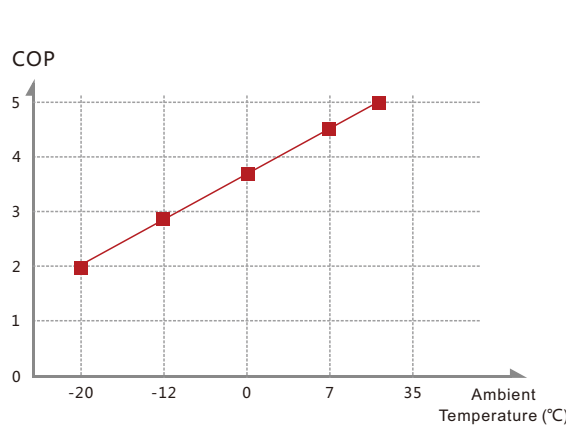
Heating Capacity



- SPRSUN EVI DC Inverter Heat Pump
- Regular Heat Pump

SPRSUN applies Panasonic EVI rotary compressor, which greatly improves the heating capacity of the unit at low temperature. In cold climate, the heating capacity is increased by 30% compared with traditional heat pumps.

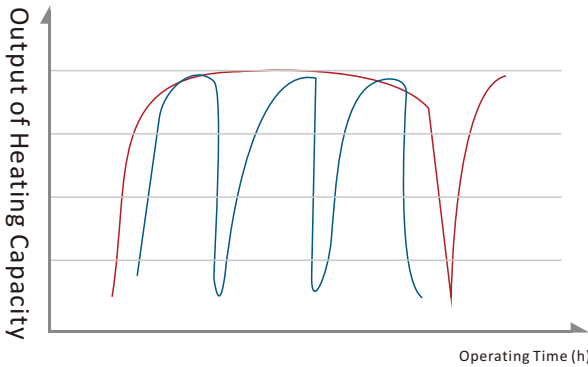
Low Temperature Energy Efficiency



When the ambient temperature is -20°C, the COP is higher than 2.0.

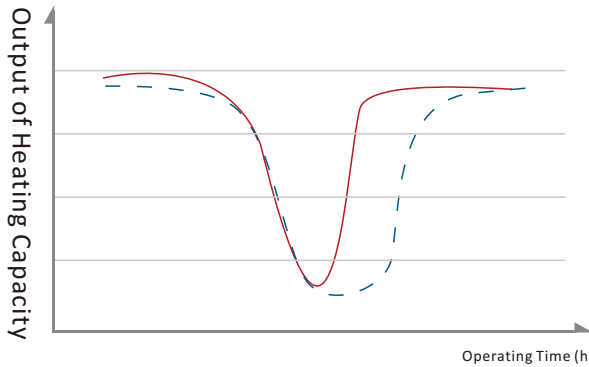
Intelligent Defrosting Technology

SPRSUN independently developed its own PID intelligent defrosting control mode. The defrosting time does not exceed 20% of the operation cycle. By detecting the ambient temperature, evaporator coil temperature and compressor return gas temperature, the PID intelligent defrosting control mode calculates the temperature difference and the accumulated working time of the compressor to judge the frosting conditions of the evaporator. 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.



- SPRSUN Smart Defrosting
- Traditional Defrosting

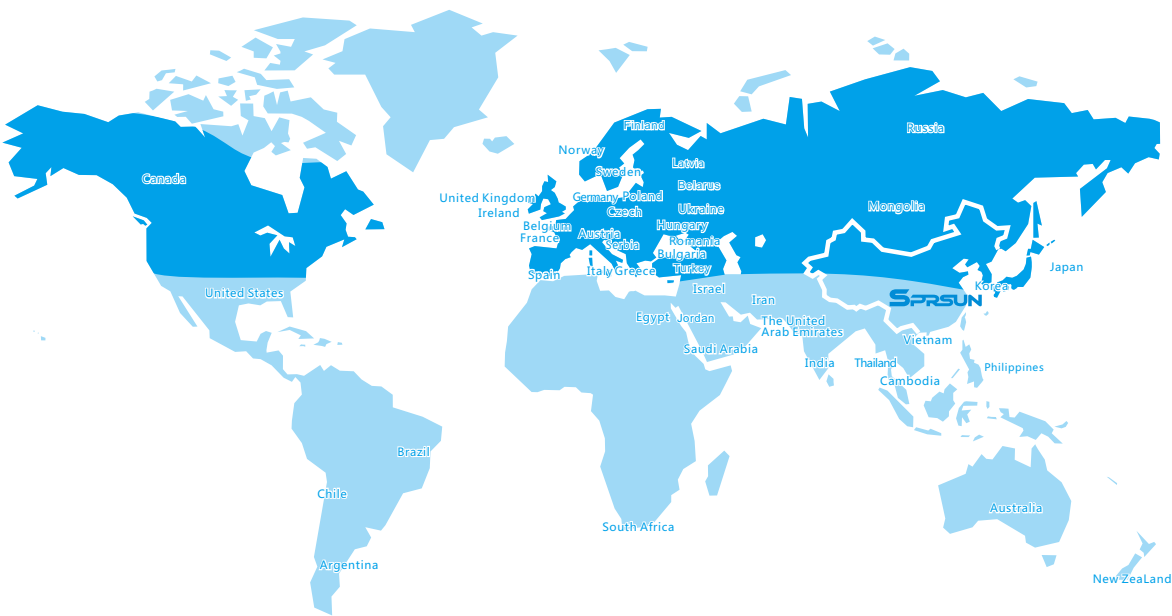
Cycle Comparison: SPRSUN Smart Defrosting vs. Traditional Defrosting



- SPRSUN Smart Defrosting
- Traditional Defrosting

Speed Comparison: SPRSUN Smart Defrosting vs. Traditional Defrosting

Wide Area of Application



Applicable Area of EVI DC Inverter Heat Pumps

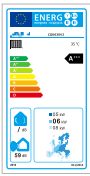
R32 Monoblock EVI DC Inverter Air Source Heat Pump

- **Efficient** - ERP A+++ Energy Label
- **Smart** - CAREL Controller, WIFI Monitoring & Intelligent Protections
- **Quiet** - Panasonic Compressor Dual Shock Absorption
- **Secure** - Anti-explosion Measures

-25°C

Max. COP:
5.95

ERP Label:
A+++



CGK030V3L CGK-030V3L	CGK050V3L CGK-050V3L	CGK060V3L CGK-060V3L
-------------------------	-------------------------	-------------------------

Features



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.



Reduced Noise
In addition to brushless DC inverter fans, SPRSUN R32 DC inverter heat pumps adopt reinforced sound reduction measures such as the dual shock absorption by Panasonic Compressor. The sound levels start as low as 42 dBA, making itself the quietest system in our DC inverter lineup.



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.

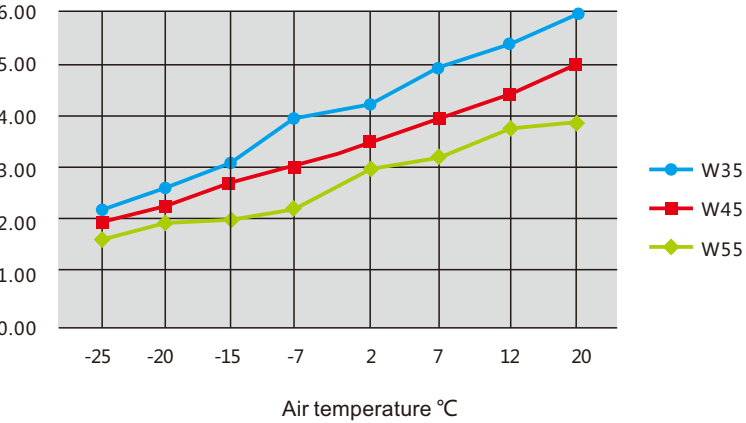
R32 MONOBLOCK EVI DC INVERTER AIR SOURCE HEAT PUMP

Specifications

Model		CGK030V3L	CGK050V3L	CGK060V3L	CGK-030V3L	CGK-050V3L	CGK-060V3L
Power Supply / Refrigerant		V/Hz/Ph 220-240/50/1 - R32			380-420/50/3 - R32		
Max. Heating Capacity (1)		kW 12	20	22	12	20	22
C.O.P (1)		W/W 4.45	4.75	4.62	4.45	4.76	4.65
Heating Capacity Min./Max.(1)		kW 5.52 / 12	9.2 / 20	10.12 / 22	5.52 / 12	9.2 / 20	10.12 / 22
Heating Power Input Min./Max.(1)		W 992 / 2697	1549 / 4211	1752 / 4762	992 / 2697	1546 / 4202	1741 / 4731
C.O.P Min./Max.(1)		W/W 4.45 / 5.56	4.75 / 5.94	4.62 / 5.78	4.45 / 5.56	4.76 / 5.95	4.65 / 5.81
Max. Heating Capacity(2)		kW 11.5	19.2	21.1	11.5	19.2	21.1
C.O.P (2)		W/W 3.60	3.85	3.70	3.60	3.81	3.60
Heating Capacity Min./Max.(2)		kW 5.30 / 11.52	8.83 / 19.20	9.72 / 21.12	5.30 / 11.52	8.83 / 19.20	9.72 / 21.12
Heating power Input Min./Max.(2)		W 1254 / 3236	1957 / 5053	2214 / 5714	1254 / 3236	1953 / 5042	2199 / 5677
C.O.P Min./Max.(2)		W/W 3.56 / 4.23	3.80 / 4.51	3.70 / 4.39	3.56 / 4.23	3.81 / 4.52	3.72 / 4.42
Max. Cooling Capacity(3)		kW 10.9	18.2	20.1	10.9	18.2	20.1
E.E.R (3)		W/W 3.50	3.73	3.59	3.50	3.69	3.50
Cooling Capacity Min./Max.(3)		kW 5.03 / 10.94	8.39 / 18.24	9.23 / 20.06	5.03 / 10.94	8.39 / 18.24	9.23 / 20.06
Cooling Power Input Min./Max.(3)		W 1215 / 3704	1897 / 5783	2146 / 6540	1215 / 3704	1893 / 5771	2132 / 6498
E.E.R Min./Max.(3)		W/W 2.95 / 4.14	3.15 / 4.42	3.07 / 4.30	2.95 / 4.14	3.16 / 4.43	3.09 / 4.33
Max. Cooling Capacity(4)		kW 8.6	14.4	15.8	8.6	14.4	15.8
E.E.R(4)		W/W 2.62	2.80	2.69	2.62	2.77	2.62
Cooling Capacity Min./Max.(4)		kW 3.97 / 8.64	6.62 / 14.40	7.29 / 15.84	3.97 / 8.64	6.62 / 14.40	7.29 / 15.84
Cooling Power Input Min./Max.(4)		W 1090 / 3440	1702 / 5371	1925 / 6075	1090 / 3440	1699 / 5360	1913 / 6036
E.E.R Min./Max.(4)		W/W 2.51 / 3.65	2.68 / 3.89	2.61 / 3.79	2.51 / 3.65	2.69 / 3.90	2.62 / 3.81
Rated Current		A 12.9	20.1	22.8	5.7	8.9	10.0
Max Power Input		kW 3.9	6.1	6.9	3.9	6.1	6.9
Max Current		A 18.71	29.21	33.04	8.25	12.86	14.48
Compressor		Type - Quantity/System	Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1
Fan	Quantity		1	2	2	1	2
	Airflow		m3/h 3000	5000	5500	3000	5000
	Rated power		W 100	200	210	100	210
Water Side Heat Exchanger	Type		Plate Heat Exchanger				
	Water Pressure Drop		kPa 20	23	25	20	23
	Piping Connection		Inch G1"	G1"	G1"	G1"	G1"
Allowable Water Flow		Min./Rated./Max.	L/S 0.36 0.57 0.96	0.60 0.96 1.59	0.66 1.05 1.75	0.36 0.57 0.96	0.60 0.96 1.59
Noise Level		dB(A)	59	61	59	61	62
Net Dimension(L×D×H)		mm	1110*475*810	1110*475*1355	1110*475*1355	1110*475*810	1110*475*1355
Packing Dimension(L×D×H)		mm	1220*540*970	1220*540*1400	1220*540*1400	1220*540*970	1220*540*1400
Net Weight		kg	88	124	124	88	124
Gross Weight		kg	116	161	161	116	161

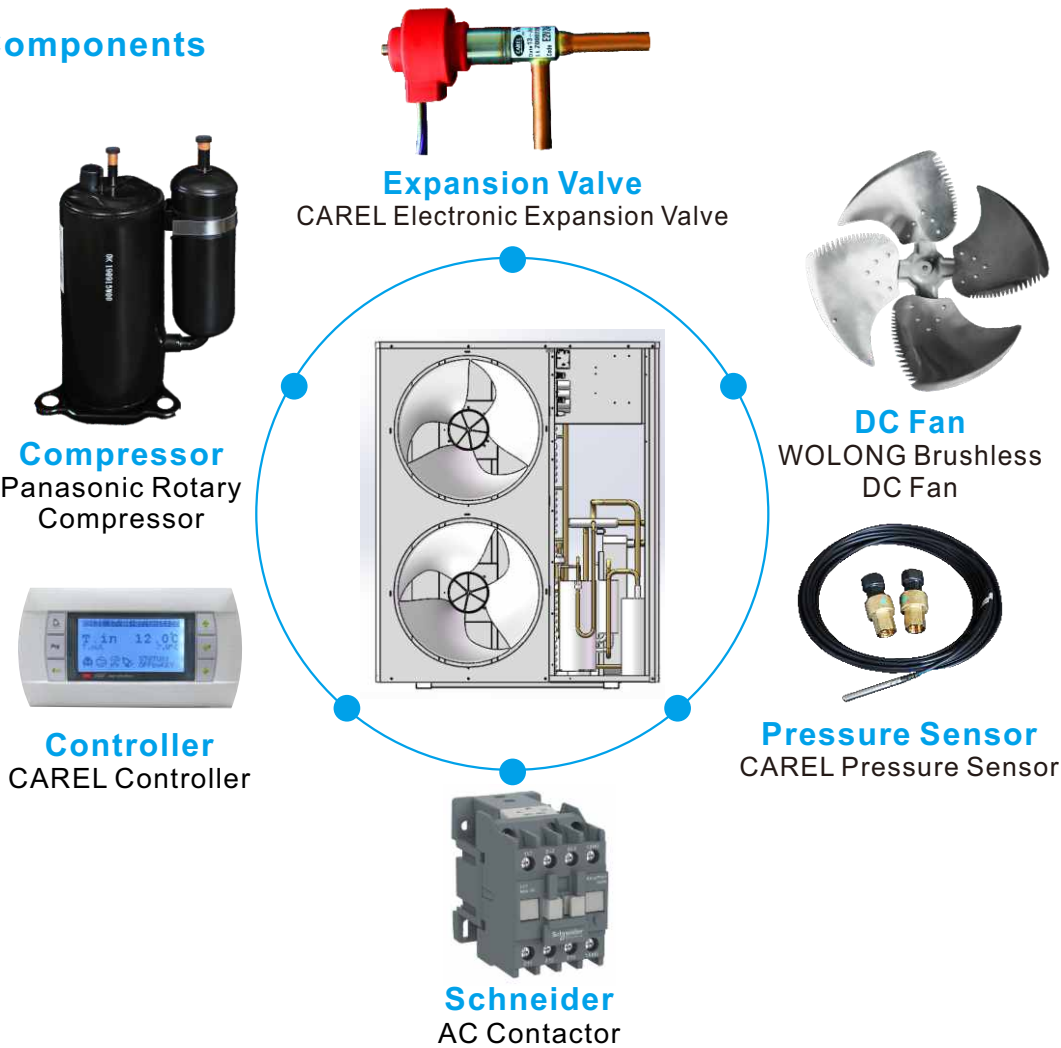
Note: (1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;
(3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB35°C/WB24°C;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

COP

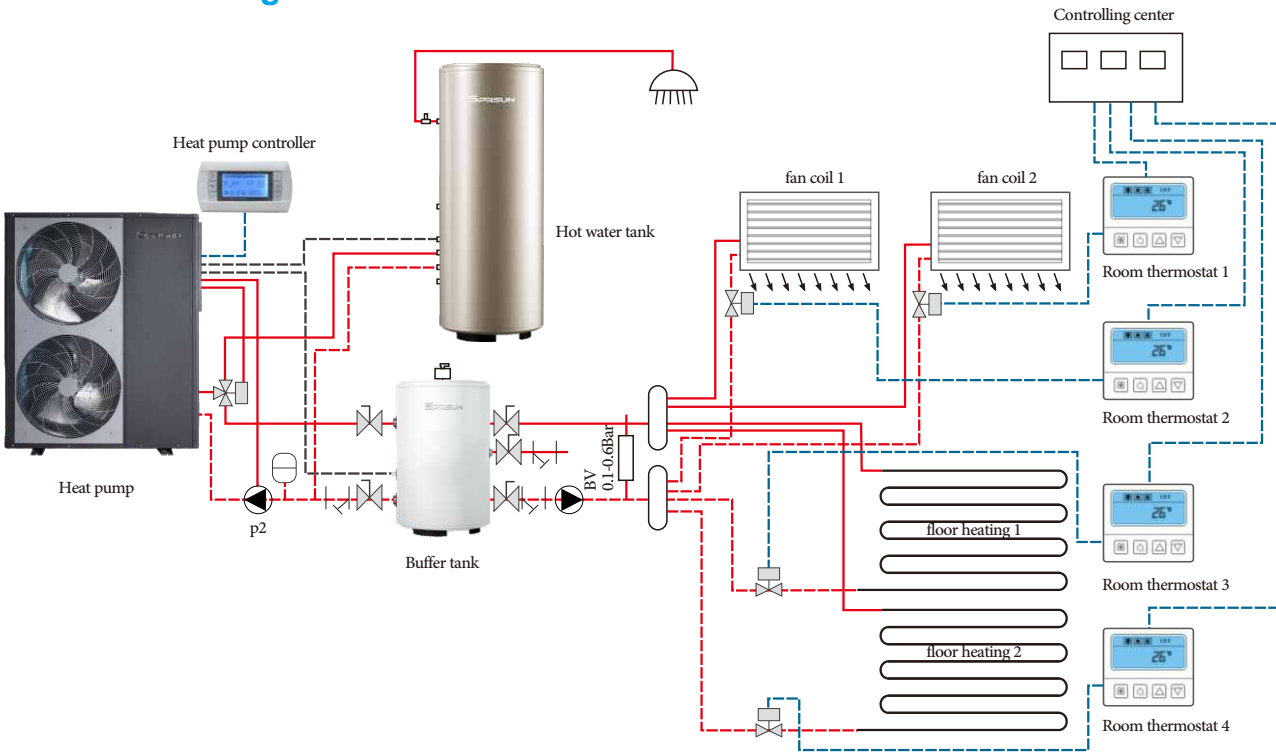


Air temp °C	COP kW/kW		
-25	2.25	2.09	1.50
-20	2.65	2.30	1.95
-15	3.12	2.50	1.80
-7	3.80	2.90	2.09
2	4.13	3.54	2.90
7	4.75	3.85	3.15
12	5.18	4.27	3.50
20	5.80	4.74	3.70
Hot water temp °C	35	45	55

Key Components



Installation Diagram



MONOBLOCK DC INVERTER AIR SOURCE HEAT PUMPS

A+++ ERP Energy Level Tested by TUV.

- Max. Outlet Water Temperature: **60°C**
- Max. Heating Capacity: **9.5KW-32KW**
- Ambient Temperature Range: **-20°C-45°C**
- Multi-functions: **Hot Water, House Heating and Cooling**

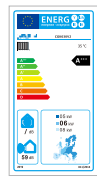
-20°C

Max. COP:

5.65

SCOP:

4.88



CGK030V2 CGK-030V2
CGK040V2 CGK-040V2



CGK050V2 CGK060V2 CGK-050V2
CGK-060V2 CGK-080V2 CGK-100V2

Features



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.



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.



Wide Voltage Application

Operate normally within the voltage range of 150V-260V (1ph) or 330V-450V (3ph) to reduce the impact of voltage instability on the equipment.



Intelligent Defrosting

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

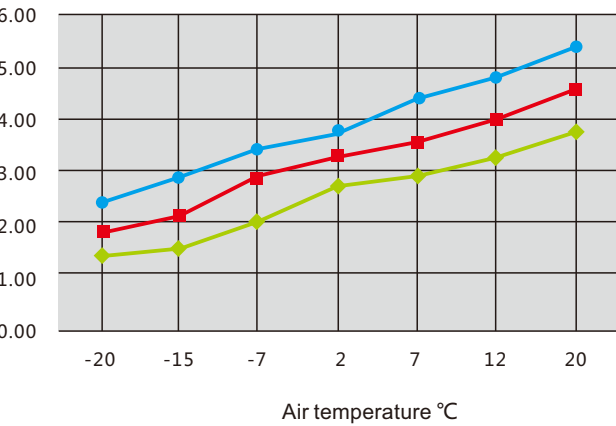
MONOBLOCK DC INVERTER AIR SOURCE HEAT PUMPS

Specifications

Model		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				
Max. Heating Capacity (1)	kW	9.5	12.5	16.5	18.5	9.6	12.5	16.6	18.6	26	32
C.O.P (1)	W/W	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	4.37/9.5	5.75/12.5	7.59/16.5	8.51/18.5	4.42/9.6	5.75/12.5	7.64/16.6	8.556/18.6	11.96/26	14.72/32
Heating Power Input Min./Max.(1)	W	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	4.48/5.60	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
Max. Cooling Capacity(4)	kW	6.7	8.8	11.6	13.0	6.8	8.8	11.7	13.1	18.3	22.6
E.E.R(4)	W/W	2.62	2.62	2.61	2.48	2.62	2.63	2.63	2.49	2.63	2.49
Cooling Capacity Min./Max.(4)	kW	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.(4)	W	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.(4)	W/W	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	10.2	13.4	17.6	20.2	4.6	5.8	7.8	8.9	12.1	15.3
Max Current	A	14.81	19.49	25.55	29.24	6.60	8.46	11.24	12.88	17.60	22.15
Compressor	Type- Quantity/System	Twin Rotary - 1					Twin Rotary - 1				
Fan	Quantity	1	1	2	2	1	1	2	2	2	1
	Airflow	m3/h	3000	3500	5000	5500	3000	3500	5000	5500	10000
	Rated power	W	100	110	200	210	100	110	200	210	500
Water Side Heat Exchanger	Type	Plate Heat Exchanger									
	Water Pressure Drop	kPa	20	22	23	25	20	22	23	25	25
	Piping Connection	Inch	G1"	G1"	G1"	G1"	G1"	G1"	G1"	G1"	G1 1/4"
Allowable Water Flow	Min./Rated/Max.	L/S	0.28 0.45 0.76	0.37 0.60 1.00	0.49 0.79 1.31	0.55 0.88 1.47	0.29 0.46 0.76	0.37 0.60 1.00	0.50 0.79 1.32	0.56 0.89 1.48	0.78 1.24 2.07
Noise Level	dB(A)	59	59	62	63	59	59	62	63	62	63
Net Dimension(L×D×H)	mm	1110*475*810	1110*475*910	1110*475*1355	1110*475*1355	1110*475*810	1110*475*910	1110*475*1355	1110*475*1355	1237*480*1410	1000*1000*1855
Packing Dimension(L×D×H)	mm	1220*540*970	1220*540*1070	1220*540*1400	1220*540*1400	1220*540*970	1220*540*1070	1220*540*1400	1220*540*1400	1300*540*1580	1220*540*1400
Net Weight	Kg	88	98	124	124	88	98	124	124	200	300
Gross Weight	Kg	116	126	161	161	116	126	161	161	220	320

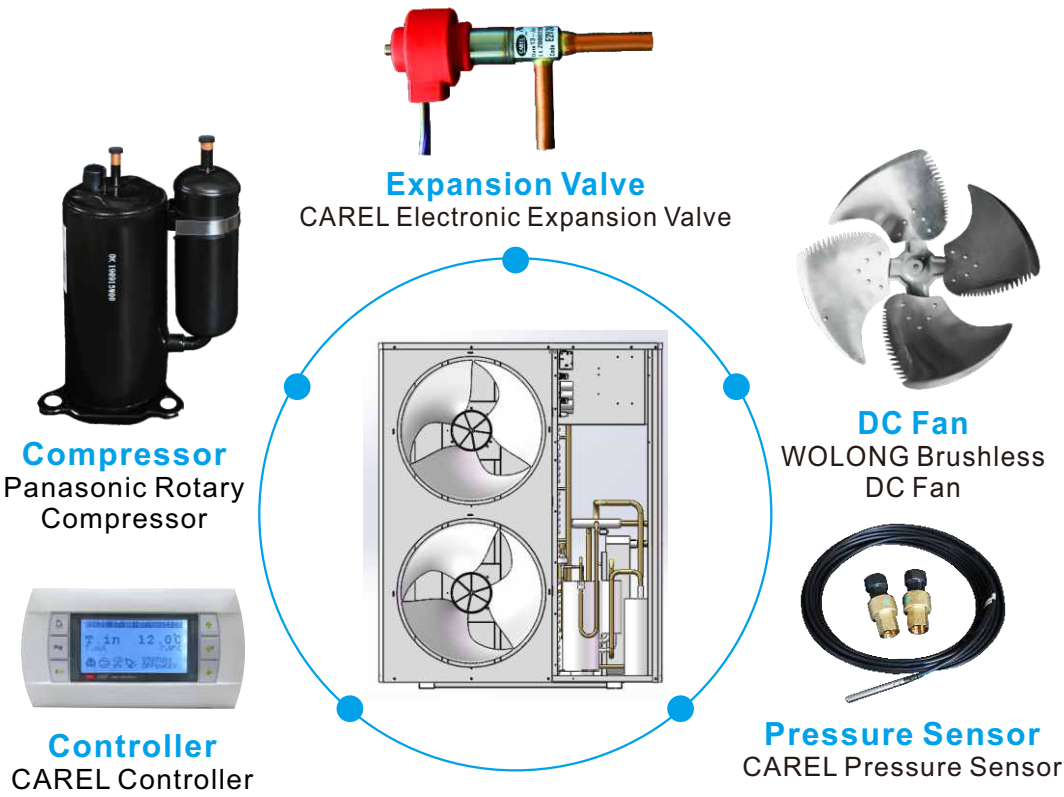
Note: (1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;
(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;
(3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB35°C/WB24°C;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

COP

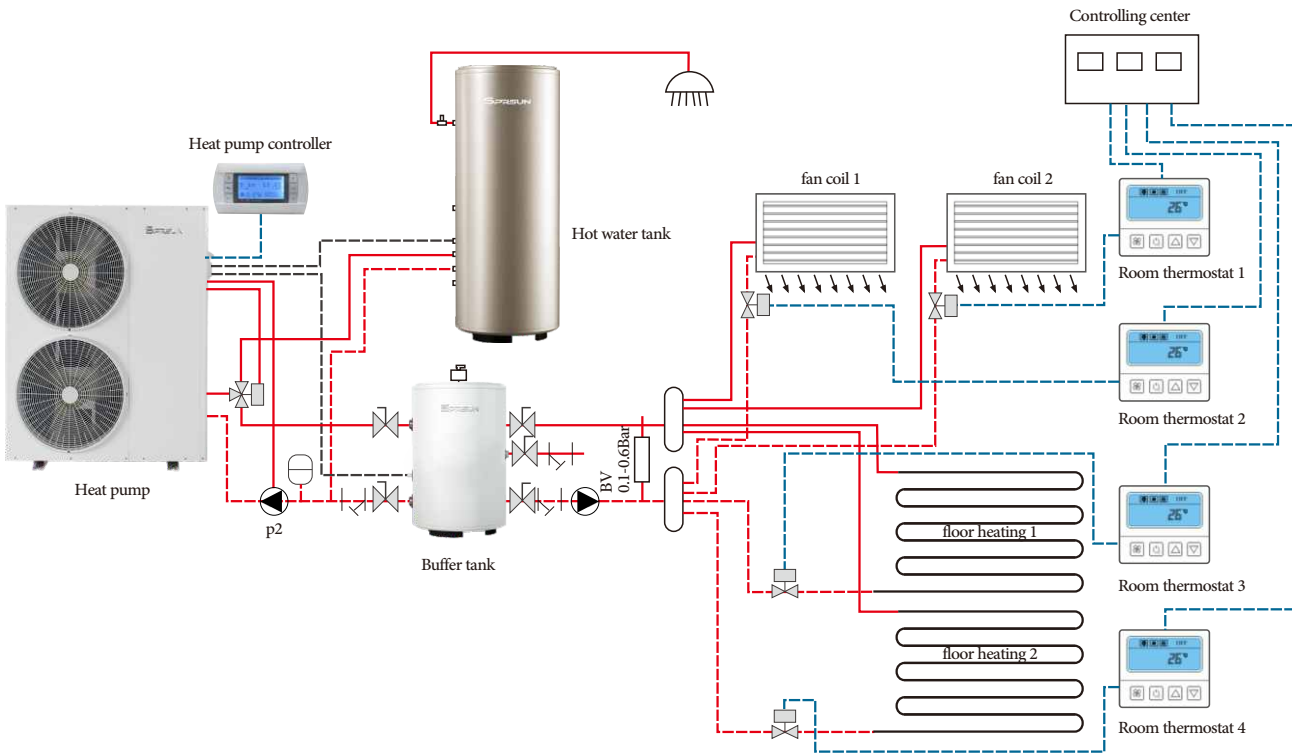


Air temp °C	COP kW/kW		
-20	2.48	1.87	1.35
-15	2.92	2.13	1.53
-7	3.44	2.92	2.10
2	3.74	3.32	2.72
7	4.45	3.60	2.96
12	4.85	4.00	3.28
20	5.43	4.60	3.77
Hot water temp °C	35	45	55

Key Components



Installation Diagram



SPLIT EVI DC INVERTER AIR SOURCE HEAT PUMPS

- Max. Outlet Water Temperature: **60°C**
- Max. Heating Capacity: **9.6KW-18.9KW**
- Low Ambient Temperature: **-25°C to 45°C**
- Multi-functions: **Hot Water, House Heating and Cooling**

-25°C

Max. COP:

5.60



CGK030V2LS CGK-030V2LS



CGK050V2LS CGK060V2LS
CGK-050V2LS CGK-060V2LS

Features



Low Ambient Temperature (-25°C to 45°C)

Use the Panasonic Enhanced Vapour Injection (EVI) Technology Rotary Compressor. Work stably in cold weather where lowest air temperature reaches -25°C.



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

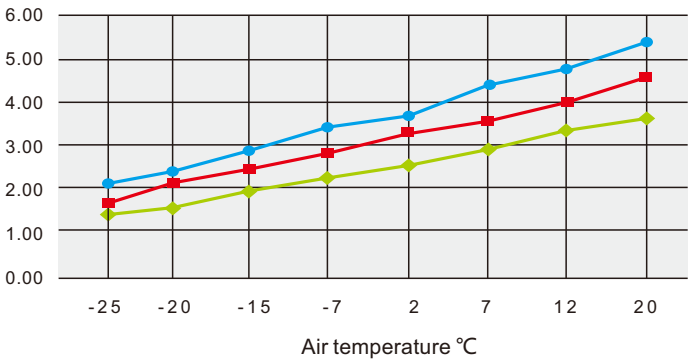
When the unit needs defrosting, it will use high frequency operation, which greatly reduces the defrosting time.

SPLIT EVI DC INVERTER AIR SOURCE HEAT PUMPS

Specifications

Model			CGK030V2LS			CGK050V2LS			CGK060V2LS			CGK-030V2LS			CGK-050V2LS			CGK-060V2LS		
Power Supply / Refrigerant		V/Hz/Ph	220-240/50/1 - R410A												380-420/50/3 - R410A					
Max. Heating Capacity (1)		kW	9.6			16.8			18.8			9.8			16.9			18.9		
C.O.P (1)		W/W	4.45			4.48			4.39			4.45			4.48			4.39		
Heating Capacity Min./Max.(1)		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.(1)		W	794/2157			1380/3750			1576/4282			810/2202			1388/3772			1584/4305		
C.O.P Min./Max.(1)		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		
Max. Heating Capacity(2)		kW	9.0			15.8			17.7			9.2			15.9			17.8		
C.O.P (2)		W/W	3.60			3.58			3.40			3.60			3.58			3.40		
Heating Capacity Min./Max.(2)		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.(2)		W	982/2535			1707/4406			1949/5032			1002/2588			1717/4432			1960/5059		
C.O.P Min./Max.(2)		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		
Max. Cooling Capacity(3)		kW	7.9			13.9			15.6			8.1			14.0			15.6		
E.E.R (3)		W/W	3.50			3.48			3.30			3.50			3.48			3.30		
Cooling Capacity Min./Max.(3)		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.(3)		W	919/2688			1598/4672			1825/5335			938/2744			1607/4699			1834/5363		
E.E.R Min./Max.(3)		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		
Max. Cooling Capacity(4)		kW	6.3			11.1			12.4			6.4			11.1			12.4		
E.E.R(4)		W/W	2.62			2.61			2.48			2.62			2.61			2.48		
Cooling Capacity Min./Max.(4)		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.(4)		W	831/2672			1444/4645			1649/5305			848/2728			1453/4673			1658/5333		
E.E.R Min./Max.(4)		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 Current		A	14.97			26.02			29.71			6.74			11.54			13.17		
Compressor	Type - Quantity/System		Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1		
Fan	Quantity		1			2			2			1			2			2		
	Airflow	m3/h	3000			5000			5500			3000			5000			5500		
	Rated power	W	100			200			210			100			200			210		
Water Side Heat Exchanger	Type		Plate Heat Exchanger																	
	Water Pressure Drop	kPa	20			23			25			20			23			25		
	Piping Connection	Inch	G1"			G1"			G1"			G1"			G1"			G1"		
Allowable Water Flow	Min./Rated./Max.	L/S	0.29	0.46	0.76	0.50	0.80	1.34	0.56	0.90	1.50	0.29	0.47	0.78	0.50	0.81	1.35	0.56	0.90	1.50
Noise Level		dB(A)	59			62			63			59			62			63		
Expansion Tank		L	5			5			5			5			5			5		
Electric Heater		kW	3			3			3			3			3			3		
Outdoor Unit Size (LxD×H)		mm	1100*475*810			1100*475*1355			1100*475*1355			1110*475*810			1110*475*1355			1110*475*1355		
Outdoor Packing Size (LxD×H)		mm	1235*540*970			1235*540*1400			1235*540*1400			1235*540*970			1235*540*1400			1235*540*1400		
Indoor Unit Size (LxD×H)		mm	550*325*650			550*325*650			550*325*650			550*325*650			550*325*650			550*325*650		
Indoor Packing Size (LxD×H)		mm	650*450*840			650*450*840			650*450*840			650*450*840			650*450*840			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		
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.																				

COP



R32/R410A DC INVERTER SWIMMING POOL HEAT PUMPS

- Max. Heating Capacity: **4KW-12.5KW**
- Max. Cooling Capacity: **3.1KW-9.8KW**
- Functions: **Domestic Pool Water Heating/Cooling**
- Fit Both Refrigerants: **R32/R410A**



CGY010V3 CGY015V3 CGY020V3 CGY025V3 CGY030V2/CGY030V3

Features



Low Global Warming Potential

Our DC inverter pool heat pumps are suitable for both R32 and R410A. R32 has a low global warming potential that is much lower than most other refrigerants, which greatly reduces its negative impact on the environment.



Accelerate Pool Water Heating

The DC inverter pool heat pumps can change the operating frequency of the compressors and fan motors based on the heating needs, greatly speeding up heating time.



Works Silently in Your Backyard

SPRSUN DC inverter heat pumps stay peaceful when heating your pool water due to its internal noise reduction measures.



Smart Touch Screen

SPRSUN DC inverter heat pumps adopt intelligent touch screen controller for users to easily adjust temperature and manage operation.



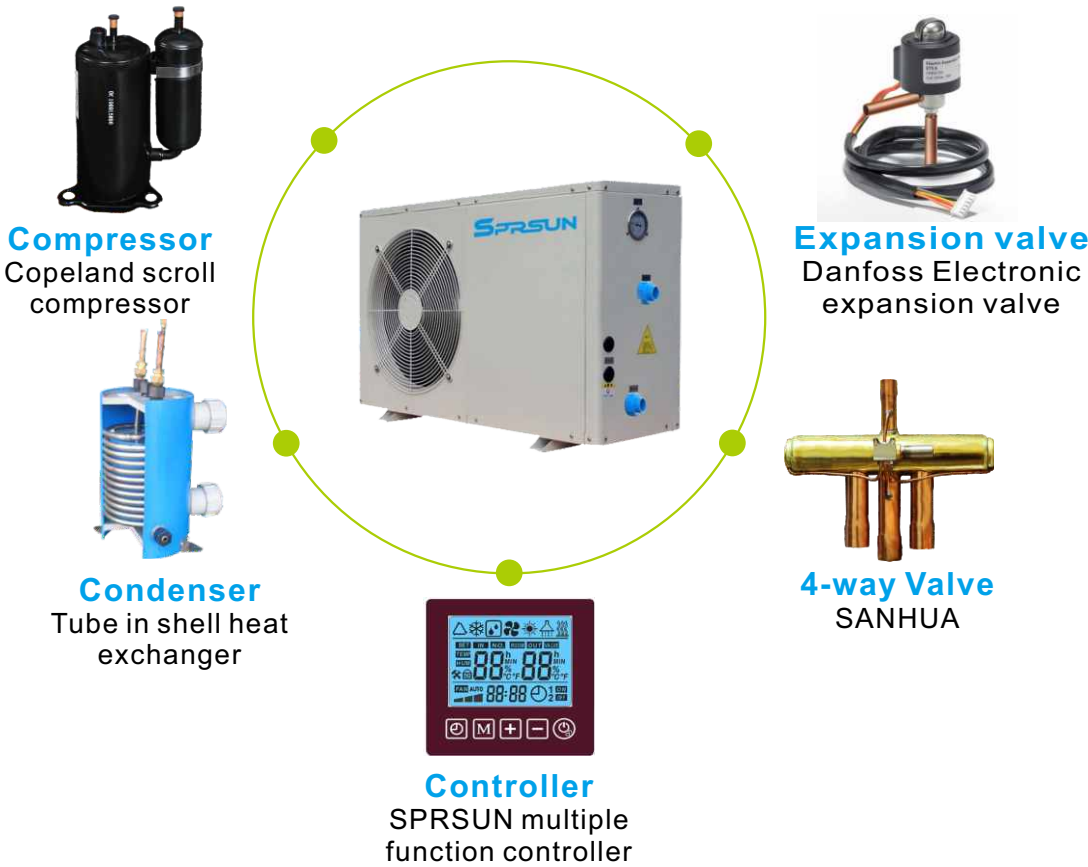
Anti-corrosion

It uses Titanium Tube-in-Shell Heat Ex-changer with superior chemical resistance so as to avoid corrosion.

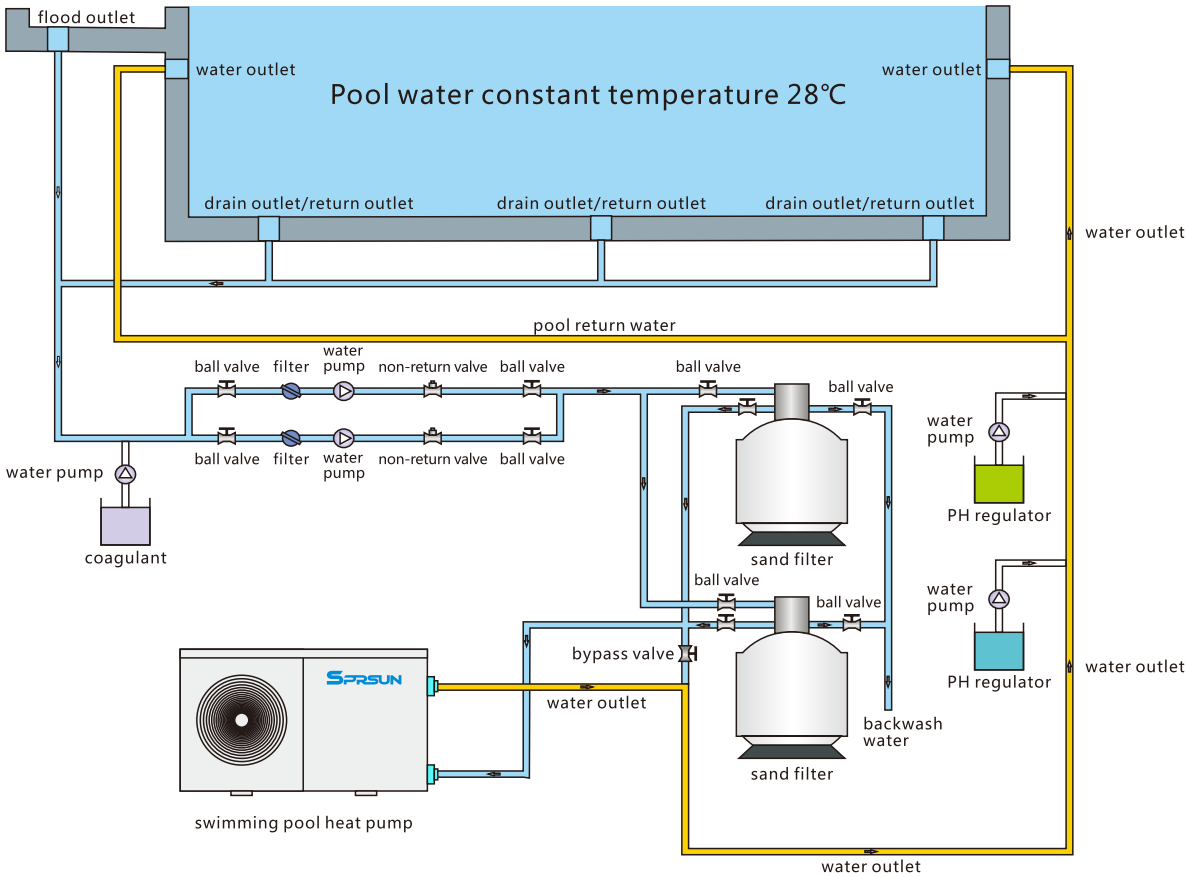
Specifications

			CGY010V3			CGY015V3			CGY020V3			CGY025V3			CGY030V3			CGY040V3		
Power Supply		V/Hz/Ph	220-240/50/1																	
Refrigerant			R32																	
Max. Heating Capacity (1)		kW	4.5			6.5			8.5			10.5			13			16		
C.O.P (1)		W/W	7.49			7.42			7.52			7.45			7.41			7.41		
Heating Capacity Min./Max.(1)		kW	1.40/4.5			2.02/6.5			2.64/8.5			3.26/10.5			4.03 /13			4.96/16		
Heating Power Input Min./Max.(1)		W	81/601			118/876			152/1130			190/1409			236/1754			291/2159		
C.O.P Min./Max.(1)		W/W	7.49/17.23			7.42/17.07			7.52/17.30			7.45/17.14			7.41/17.04			7.41/17.04		
Max. Heating Capacity(2)		kW	3.2			4.7			6.1			7.6			9.4			11.5		
C.O.P (2)		W/W	5.21			5.16			5.23			5.18			5.15			5.15		
Heating Capacity Min./Max.(2)		kW	1.04/3.24			1.50/4.68			1.96/6.12			2.42/7.56			3.00/9.36			3.69/11.52		
Heating power Input Min./Max.(2)		W	109/622			160/908			206/1171			257/1460			320 /1817			393/2237		
C.O.P Min./Max.(2)		W/W	5.21/9.47			5.16/9.39			5.23/9.51			5.18/9.42			5.15/9.37			5.15 /9.37		
Max. Cooling Capacity(3)		kW	2.5			3.6			4.7			5.8			7.2			8.8		
E.E.R (3)		W/W	3.38			3.35			3.40			3.37			3.35			3.35		
Cooling Capacity Min./Max.(3)		kW	1.14/2.48			1.64/3.58			2.15/4.68			2.66/5.78			3.29/7.15			4.05/8.80		
Cooling Power Input Min./Max.(3)		W	224/731			327/1067			422/1376			526/1716			655/2136			806/2629		
E.E.R Min./Max.(3)		W/W	3.38/5.08			3.35/5.03			3.40/5.10			3.37/5.05			3.35/5.02			3.35/5.02		
Rated Current		A	2.9			4.2			5.4			6.7			8.4			10.3		
Max Current		A	4.2			6.1			7.8			9.8			12.2			15.0		
Compressor	Type - Quantity/System		Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1			Twin Rotary - 1		
Fan	Quantity		1			1			1			1			1			1		
	Airflow	m3/h	1200			1500			2000			2400			3000			3000		
	Rated power	W	30			33			36			40			80			80		
Water Side Heat	Type		Titanium Tube in PVC																	
	Water Pressure Drop	kPa	7			8			9			9.5			10			11		
	Piping Connection	mm	φ50			φ50			φ50			φ50			φ50			φ50		
Allowable Water Flow	Min./Rated./Max.	L/S	0.27	0.43	0.54	0.39	0.62	0.78	0.51	0.81	1.02	0.63	1.00	1.25	0.78	1.24	1.55	0.96	1.53	1.91
Noise Level		dB(A)	40			41			43			45			49			52		
Net Dimension(L×D×H)		mm	930*380*670			930*380*670			930*380*670			930*380*670			1100*490*805			1100*490*805		
Packing Dimension(L×D×H)		mm	960*410*770			960*410*770			960*410*770			960*410*770			1200*540*970			1200*540*970		
Net Weight		Kg	42			48			57			64			88			92		
Gross Weight		Kg	44			50			60			67			93			97		
Note: (1) Performance Condition: Air 27℃/Water 26℃/Humidity 80%																				
(2) Performance Condition: Air 15℃/Water 26℃/Humidity 70%																				
(3) Performance condition: Air 35℃/Water 28℃/Humidity 64%																				

Key Components



Installation Diagram



DOMESTIC AIR TO WATER HEAT PUMPS

- Max. Outlet Water Temperature: **60°C**
- Working Ambient Temperature: **-10°C to 45°C**
- Heating Capacity: **3.8KW-9.2KW**
- Designed for Household Application
- Including Built-in Water Pump
- Lower Noise Level: **42DB-45DB**
- Refrigerant: **R410A**



CGKS-3.5 CGKS-5.5 CGKS-7 CGKS-9

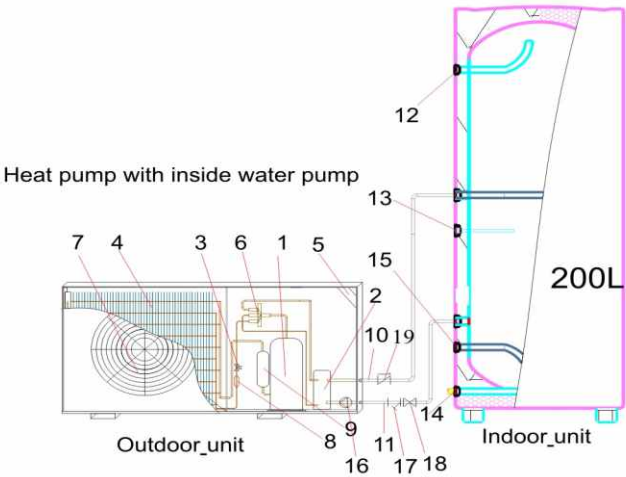
Specifications

Model		CGKS-3.5	CGKS-5.5	CGKS-7	CGKS-9
Power supply	V	220V~240V/50Hz/1ph			
Refrigerant		R410A			
Heating capacity	KW	3.8	5.5	7.6	9.2
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	198
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	mitsubishi	mitsubishi	Panasonic

●Rated working condition: dry-bulb temp: 20°C, wet-bulb temp: 15°C, cool water temp: 15°C, hot water temp:55°C.

Installation Diagram

- 1.Compressor
- 2.Condenser
- 3.Electronic 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



TOP DISCHARGE COMMERCIAL AIR TO WATER HEAT PUMPS

- Max. Outlet Water Temperature: **60°C**
- Working Ambient Temperature: **-10°C to 45°C**
- Heating Capacity: **9.5KW-88KW**
- Linkage Function: **external ON/OFF signal**
- Automatic and Forced Defrosting
- Anti-freezing Function
- Electric Heater Back Up
- Multiple Protections

WiFi
WIFI Control
(Optional)

60°C



CGK/D-9 CGK/D-12 CGK/D-18

CGK/D-36 CGK/D-42

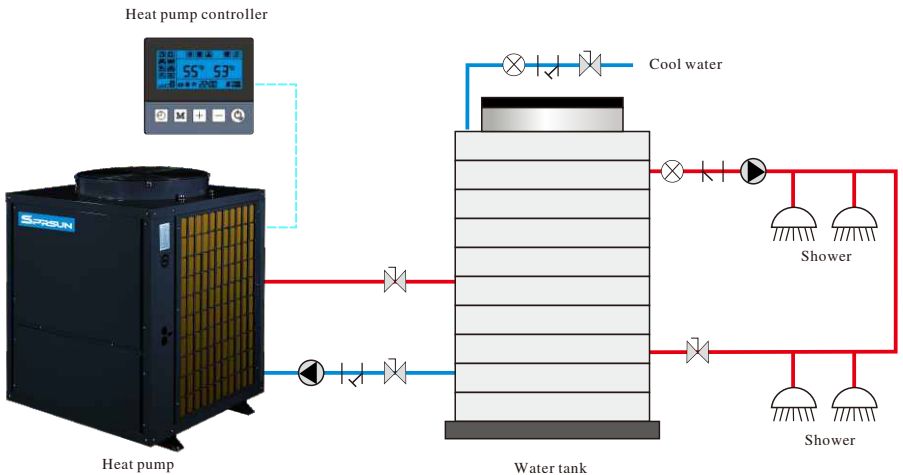
CGK/D-52 CGK/D-72 CGK/D-95

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	
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	1	1	1	1	1	2	2	2	2	2
Condenser		Tube in shell heat exchanger										
Water flow	L/h	1815	2637	3344	2637	3535	4681	7070	8598	9936	13758	16815
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	482	582
Gross weight	kg	101	106	150	106	150	158	268	306	320	506	611
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	1500*800*1515	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	1580*880*1665	1940*1120*2180	2080*1200*2280
Compressor brand/quantity		Copeland*1						Copeland*2				
● Rated working condition: dry-bulb temp: 20℃, wet-bulb temp: 15℃, cool water temp: 15℃, hot water temp: 55℃.												

● Rated working condition: dry-bulb temp: 20°C, wet-bulb temp: 15°C, cool water temp: 15°C, hot water temp: 55°C.

Installation Diagram



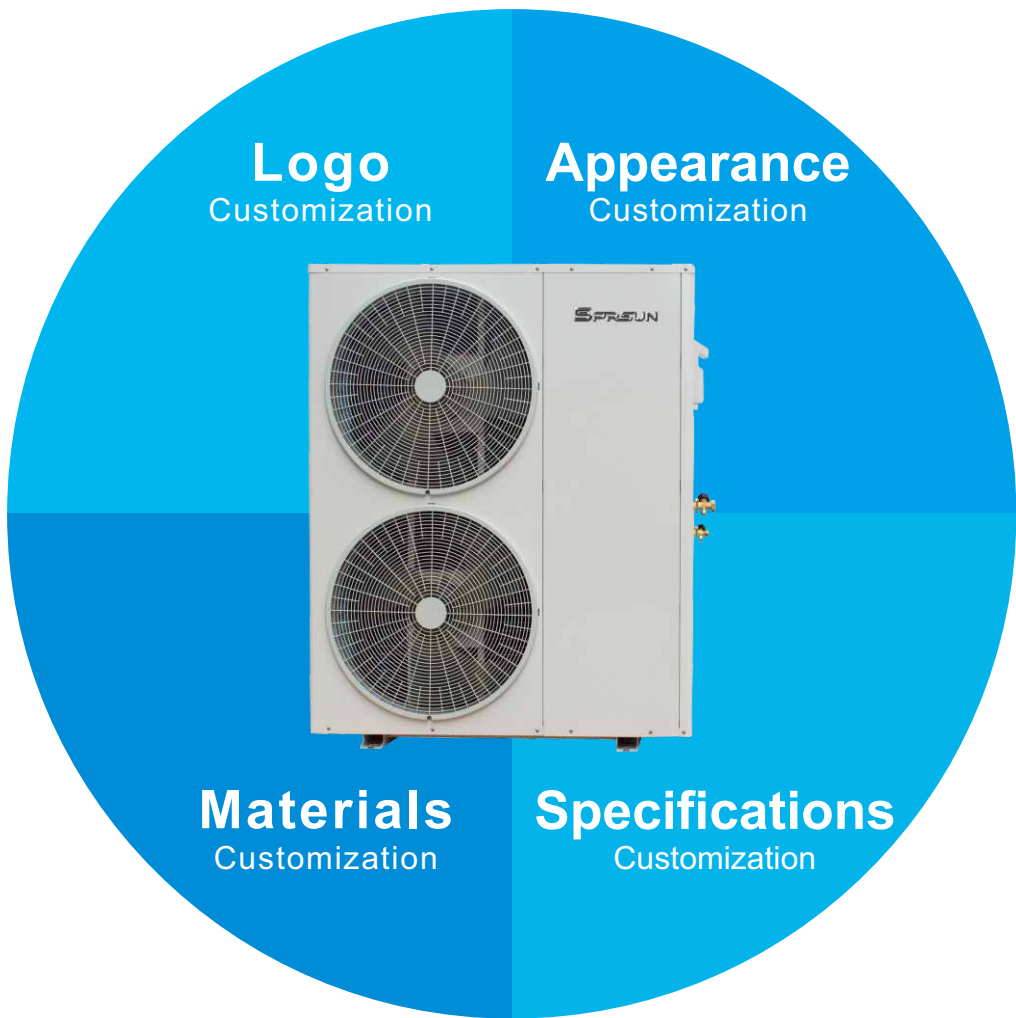
SERVICE & SUPPORT

OEM/ODM Support

SPRSUN offers the following benefits for its OEM/ODM partners:

- Produce Europe standard products under partner's brand/logo.
- Customize the shape, colors and materials to meet partner's special needs.
- Customize the specifications based on partner's own design.
- Offer heat pumps at competitive prices to ensure high profit margins.
- Sign a Non-Disclosure Agreement with our OEM/ODM partner!

We welcome your heat pump OEM/ODM opportunities. Let's hear from you and study your project together.



Technical Support

24-Month Warranty plus Lifelong Maintenance Support

- SPRSUN offers 24-month long warranty. Within 24 months since the delivery date, if the product has any failure under normal usage, we will provide free assembly parts.
- After the expiration of the warranty period, we will continue to provide lifelong maintenance services, with just a small amount of charges.
- Provide solutions according to different customers' requirements.
- Provide comprehensive and professional technical training on instructions and maintenance to customers.
- We promise to offer free consulting in 7×24 hours mode to solve the problems found in practice.

Sales & Marketing Support

SPRSUN offers the following cutting-edge benefits for its channel partners:

- Every year SPRSUN invests in global marketing to help improve the brand awareness of our heat pumps in local areas.
- According to the seasons and customers' demands, the company provides corresponding promotion strategies to help re-sellers explore more sales opportunities.
- Provide complete sales tools, including catalogue, flyers, product images, etc.
- Strictly implement the management policy of distributors/resellers based on our mutual contracts.



PROJECTS WORLDWIDE

SPRSUN IS AROUND YOU NO MATTER WHAT SEASONS!



GALLERY

