



Guangzhou SPRSUN New Energy Technology Development Co., Ltd

EVI Air Source Heat Pump Catalogue

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About us:

Guangzhou SPRSUN new energy Technology Development Co., Ltd is located in economic development zone east zone, Guangzhou. SPRSUN is a new and high tech enterprise which scope of business includes research、 production、 sale、 and service and so on. Our company imports German advanced technology. It is one of the enterprises, which built professional R&D center early.

SPRSUN was set up in 1999, we dedicated in research and development、 production、 and installation of solar water heater、 solar photoelectric、 solar air conditioner in earlier period, we have supplied plans of energy saving rebuilding project and construction works for many large and middle-size enterprises、 commercial buildings、 hotels、 schools and hospitals.

In recent years, in pace of fast development of economic globalization, energy saving、 environmentally friendly have been the topic of the world. SPRSUN invest plenty fund to research and produce heat pumps, such as low temperature air source heat pumps, geothermal source heat pump, water source heat pumps, swimming pool heat pump, household split heat pumps, heat recovery heat pumps, high water temperature heat pumps and so on. Our heat pump technology develop quickly, our products have been exported to Germany、 Russian、 Australia、 South Africa、 Serbia and so on more than twenty countries. Our company have got QS、 3C、 CE、 ISO9001 and so on certificate, and signed a long time strategy cooperation contract of human resources with Guangdong University of Technology.

Nowadays, SPRSUN is drumming up heat pump industry by means of excellent work team、 leading technology、 advanced equipment、 science management and perfect service, we continue to heighten international technology communication and build combining learning and production with universities, and make a long lifetime brand.




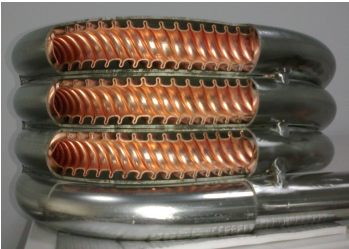

EVI Air source Heat Pump CGK/C(D)-XX

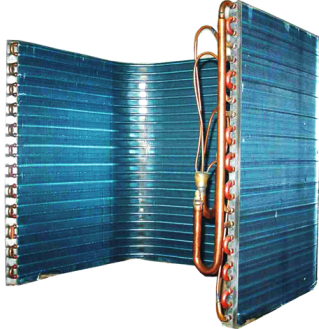



Model meaning: CG means SPRSUN brand, K mean air source, C means air is side blow, D means top blow. XX means rated heating capacity.

Table 1: EVI Air source heat pump models and photos

 <p>CGK/C-12</p>	 <p>CGK/C-18</p>	 <p>CGK/D-36</p>	 <p>CGK/D-72</p>
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Table 2: Air source heat pump main components and photos

	<p style="text-align: center;">Compressor</p> <ol style="list-style-type: none"> 1. EVI Copeland scroll compressor 2. Can work at -25C 3. Max outlet hot water temperature is 65C 4. Low noise 5. Long lifetime 6. Long working time design
	<p style="text-align: center;">Condenser</p> <ol style="list-style-type: none"> 1. Double-pipe heat exchanger 2. Copper material tube 3. Large heat exchanging area 4. High efficiency 5. Not easy blocked
	<p style="text-align: center;">Assistant heat exchanger</p> <ol style="list-style-type: none"> 1. Plate heat exchanger 2. high efficiency 3. 316# food grade stainless steel

	<p style="text-align: center;">Evaporator</p> <ol style="list-style-type: none"> 1. Inside thread copper 2. hydrophilic aluminous foil 3. balanced liquid separator
	<p style="text-align: center;">Electric expansion valve</p> <ol style="list-style-type: none"> 1. Good degree of superheat well and smart 2. Wide adjust range 3. Refrigerant flow control accurate 4. Evaporate temp is not affected by superheat degree
	<p style="text-align: center;">4-way valve</p> <ol style="list-style-type: none"> 1. for defrost in winter 2. for heating mode and cooling mode change
	<p style="text-align: center;">Controller</p> <ol style="list-style-type: none"> 1. Heating mode and cooling mode 2. temperature inquiry and setting 3. remember data even power off. 4. Clock work on after power off, needn't readjust every time. 5. Turn on/off at two certain period of time within 24 hours. 6. All parameters setting and amending. 7. Electric heating assistant. 8. Password setting 9. Automatically defrosting function 10. Forced defrosting function. 11. Huge LCD display (with blue background and white word). 12. Perfect protect function 13. error code function and keyboard automatic lock function. 14. Electric Expansion valve controlled automatically. 15. Crankcase preheat function. 16. Under the condition of without control panel (or panel damaged), system can work automatically.

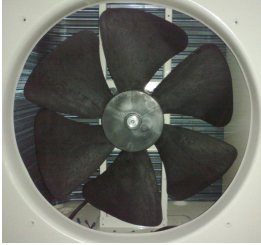

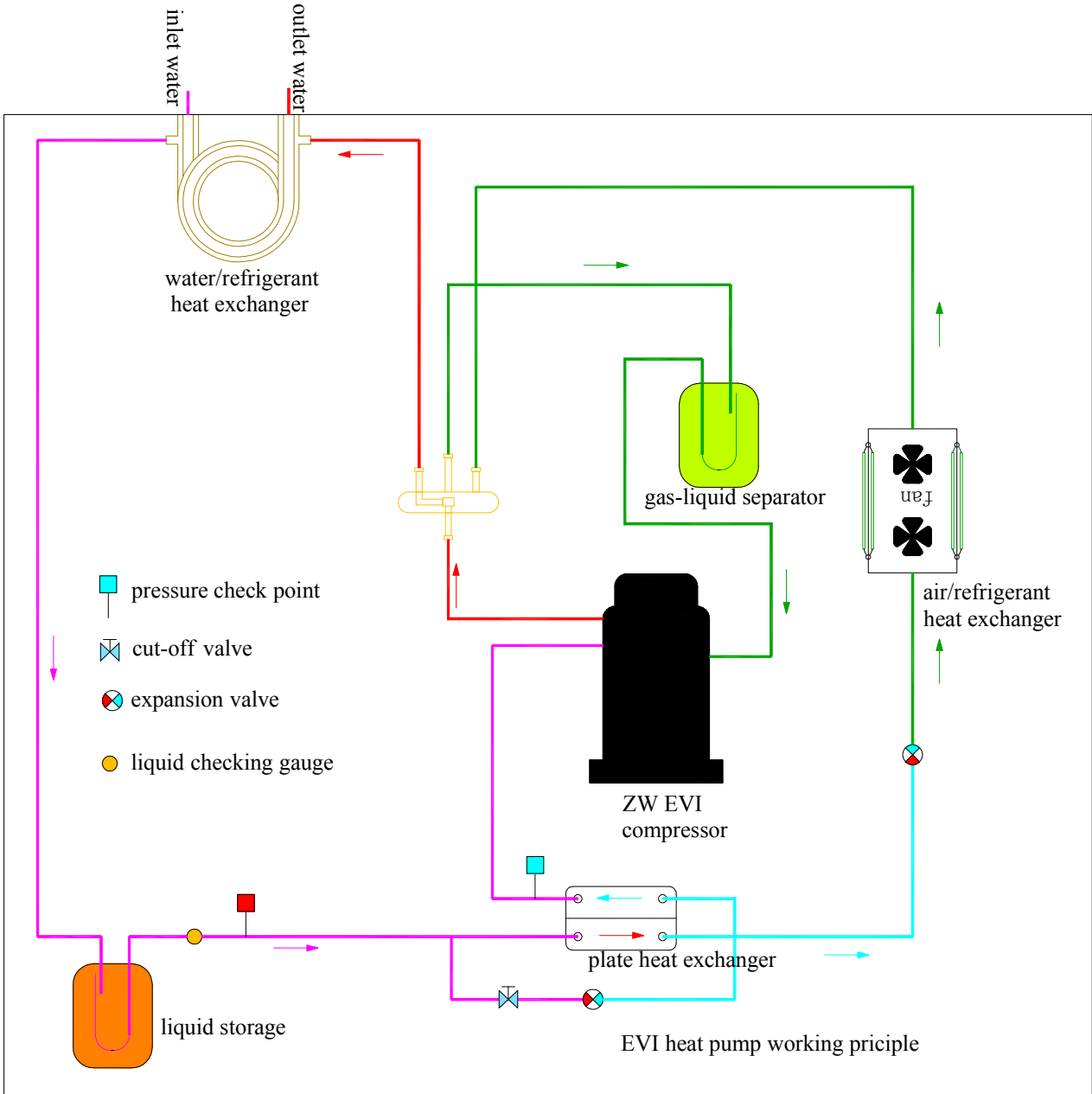
 	<p style="text-align: center; font-weight: bold;">Fan</p> <ol style="list-style-type: none"> 1.Low noise 2.High air flow 3.Anti-freezing 4.waterproof
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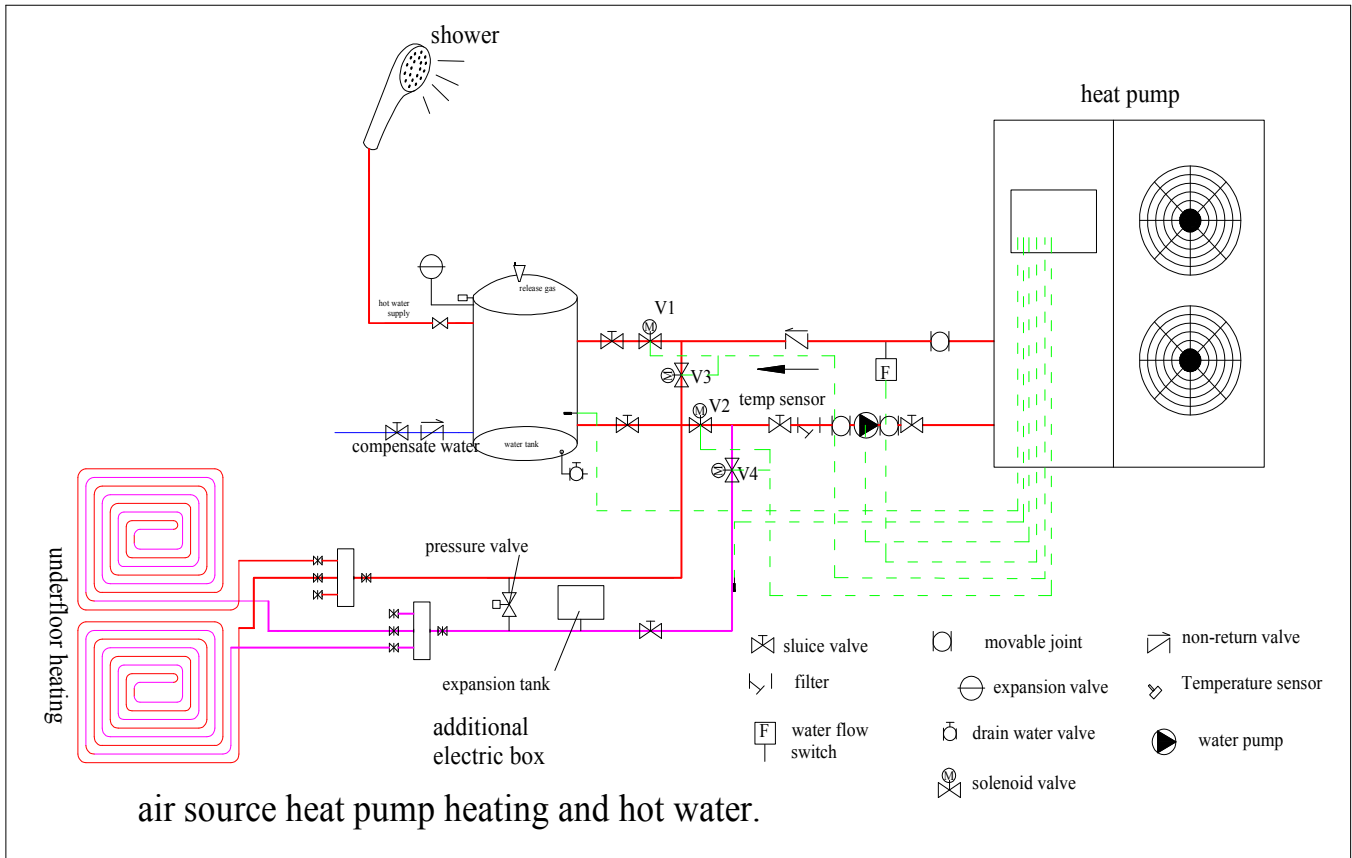
Table 3: Important information

Serial/Model NO:	CGK/C(D)-XX	Cabinet:	Stainless steel or spray coating
Main Heat Source:	Air	Working condition:	-25℃ to 45℃
Max outlet water temp:	65℃	Refrigerant:	R407C
Working voltage:	220-240V/1PH, 380V/3PH, 50HZ/60HZ		
Transportation	FOB/CIF/CNF	HS Code	8418612090
Production Capacity	500PCS/month	Packing	Plywood Case
Delivery term	7-30days	OEM	We can supply OEM
MOQ	1pc	warranty	1year
Price valid date	15days	payment	30% deposit, 70% before delivery
price	FOB Guangzhou	Exchange rate	USD:CNY=1:6.28

Refrigerant cycle diagram.



Installation examples:



1. EVI Air source Heat Pump CGK/C-12, CGK/C-18, CGK/C-36, CGK/C-72.

Model		CGK/C-12	CGK/C-18	CGK/D-36	CGK/D-72
rated input power	KW	2.9	4.6	9.2	18.4
heating capacity	KW	12	18.4	36	72
Max outlet water temp	°C	65	65	65	65
Water flow	L/h	2100	3100	6200	12400
rated voltage	V	380	380	380/460	380/460
frequency	Hz	50	50	50/60	50/60
phase		three	three	Three	Three
L line	Mm2	1.5	4	6	10
N line	Mm2	1.5	1.5	2.5	4
current	A	6	9	18	36
pipe size	mm	25	25	32	50
net weight	kg	100	150	320	650
gross weight	kg	110	175	350	680
dimension	mm	1210*480*710	1210*425*1260	1450*710*1165	2000*980*2220
packing dimension	mm	1265*560*870	1265*560*1420	1500*760*1285	2050*1030*2270
noise	db	50	60	65	75
compressor		Copeland 1pc	Copeland 1pc	Copeland 2pcs	Copeland 4pcs
Condenser(copper)		Double-pipe HE	Double-pipe HE	Double-pipe HE	Double-pipe HE
EVI heat exchanger		Plate HE	Plate HE	Plate HE	Plate HE
Evaporator		Finned tube HE	Finned tube HE	Finned tube HE	Finned tube HE
Fan motor		Axial fan motor	Axial fan motor	Axial fan motor	Axial fan motor
cabinet		Spray coating	Spray coating	Spray coating	Spray coating
Refrigerant		R407C			
Heat house area	M2	120	180	360	720

If want to use stainless steel cabinet, tell me,the price should be difference.