

## [High Temperature Air Source Heat Pump](#)

Air Source Heat Pump » [High Temperature Air Source Heat Pump](#)



### **Advantages of High Temperature Air Source Heat Pump**

1. Our high temperature air source heat pump reduces capital costs since it has simple installation and it is compatible with traditional radiator systems, hence eliminating the expense of installation under floor heating or changing to oversized radiators.
2. It features low running costs and high efficiency performance (COP) resulting in lower costs compared to traditional ASHP technology.
3. Our heat pump requires no immersion heater supplement.
4. This product has high comfort levels with high storage temperature that results in increased hot water availability.

### **Features**

1. Our high temperature air source heat pump provides self-developed and patented technology.
2. Famous America Copeland Compressor is applied to this heat pump.
3. The refrigerant R134a used in our high temperature air source heat pump is environmental friendly with no emission of hazard gas such as CO<sub>2</sub>.
4. Intelligent LCD digital controller is adopted.
5. Our heat pump saves cost as high as 60%~80% compared to oil boiler, gas boiler, coal boiler, electricity water heater and more.
6. Automatic defrosting function is included in this product.

### **Application of High Temperature Air Source Heat Pump**

Our high temperature air source heat pump is extensively used in factory, textile printing factory, tobacco dry, paper dry and wooden dry industries. It is also used in feature factory, heating supply, slaughterhouse, and food factory sterilization among others.

### **Technical Specification of High Temperature Air Source Heat Pump**

Model		KFR-7/I-GW (vertical)	KFR-7/I-GW (horizontal)	KFR-12/ II-GW	KFR-14/ II-GW	KFR-23/ II-GW	KFR-28/ II-GW	KFR-35/ II-GW	KFR-46/ II-GW	KFR-58/ II-GW	
Power supply	V/Ph/Hz	220V/1PH/50Hz					380V/3PH/ 50Hz				
Heating Capacity	kW	6.9	6.9	11.6	13.8	23	27.6	34.5	46	57.5	
	Btu/h	24000	24000	40000	47000	78000	94000	120000.0	160000	200000	
Rated power input	kW	2.57	2.57	4.3	4.5	8.55	10.3	12.8	17.1	21.7	
COP		2.68	2.68	2.70	3.07	2.69	2.68	2.69	2.69	2.65	
Rated hot water output volume(55℃ )	L/h	270	270	450	540	910	1092	1360.0	1820	2270	
Rated hot water output volume(80℃ )	L/h	110	110	185	220	370	447	460.0	746	930	
Rated outlet temperature	℃	55									
Max outlet temperature	℃	80									
Ambient temp.	℃	(-15℃ ~ +43℃ )									
Compressor type		Scroll*1	Scroll*1	Scroll*1	Scroll*2	Scroll*2	Scroll*2	Scroll*2	Scroll*2	Scroll*2	
Level against electric shock	Level	I	I	I	I	I	I	I	I	I	
Water-proof grade		IP×4	IP×4	IP×4	IP×4	IP×4	IP×4	IP×4	IP×4	IP×4	
Water connection	Inch	R1	R1	R1-1/2	Rc2	Rc2	Rc2-1/2	Rc2-1/2	Rc2-1/2	Rc2-1/2	
Noise	dB(A)	≤59	≤62	≤63	≤63	≤66	≤68	≤68	≤68	≤68	
Refrigerant		R134a									
Dimension	mm	710/700 /830	1110/360 /730	810/810 /1365	1430/700 /770	1450/705 /1475	1450/705 /1475	1530/800 /2000	2015/970 /2025	2015/970 /2025	
Net weight	kg	103	92.5	137	188.5	276	276	450.0	580	680	

Cabinet		Stainless Steel
Test condition		Heating: Ambient temp.( DB/WB): 20 °C /15°C , water temp.(Initial/Final): 15°C /55°C .
The design and specifications are subject to change without prior notice.		

Our high temperature air source heat pump is designed to offer hot water reaching 80°C, and can be used to replace boilers and to work with traditional radiator systems. This heat pump is widely used for house warming and more. With Heat pump supply innovative & advanced technology, the high temperature air source heat pump can operate smoothly at -15°C ambient temperature with high output temperature, which ensures the compatibility with normal sized radiator based on systems without supplementation. Compared to traditional oil or LPG boiler, Heat pump supply high temperature air source heat pump produces up to 50% less CO2 whilst saves 80% running cost.

We are a professional high temperature air source heat pump manufacturer in China. We offer various types of products, such as a commercial heat pump water heater, solar collector, and tube solar water heater.

<http://www.heatpumpsupply.com>