

Parameters

Model		K8	K15A	K16	K24	K39T	K48T	
*Heating	Capacity	kW	8.4	13.7	16.2	22.0	35.0	43.3
		BTU/h	28560	46580	55080	74800	119000	147220
	Power Input	kW	2.18	3.18	4.18	5.97	8.5	12.83
	COP	W/W	3.85	4.31	3.88	3.69	4.12	3.37
**Heating	Capacity	kW	8.3	13.5	16.0	22.0	28.9	44.0
		BTU/h	28220	45900	54400	74800	98260	149600
	Power Input	kW	2.50	3.65	4.80	7.00	9.44	16.61
	COP	W/W	3.32	3.70	3.33	3.14	3.06	2.65
Cooling	Capacity	kW	7.5	11.5	15.0	18	25.5	39.0
		BTU/h	25500	39100	51000	61200	86700	132600
	Power Input	kW	2.50	3.65	5.00	7.3	10.20	17.47
	EER	W/W	3.00	3.15	3.00	2.47	2.50	2.23
Power Supply	V/Ph/Hz	220-240V~/50Hz				380-415V/3N~/50Hz		
Compressor Quantity/Type	/	1/Rotary	1/Scroll	2/Rotary	3/Rotary	2/Scroll	3/Scroll	
Water Pressure Drop	kPa	10	18	18	36	38	126	
Noise	dB(A)	53	56	56	59	60	62	
Electric Heating	kW	Unavailable						
Max. Running Current	A	13.5	20.5	29.1	31.3	17.6	36.0	
Net Dimensions (L/W/H)	mm	960/465/910	1000/435/1315	1000/435/1315	1350/515/1450	1490/735/1130	2200/960/1200	
Shipping Dimensions (L/W/H)	mm	1050/500/1060	1080/445/1470	1080/445/1470	1450/570/1770	1520/805/1290	2260/1020/1370	

*Heating: Ambient temp. (DB/WB): 7°C/6°C, Water temp. (In/Out): 30°C/ 35°C;

**Heating: Ambient temp. (DB/WB): 7°C/6°C, Water temp. (In/Out): 40°C/ 45°C;

Cooling: Ambient temp. (DB/WB): 35°C/24°C, Water temp. (In/Out): 12°C/7°C.

The data above is for reference only. For more specification data, please refer to the nameplate on the unit.

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PHNIX



KK Series Air to Water Heat Pump

Your perfect choice for floor heating/ radiator heating/ water fan coil heating or cooling in both residential & commercial occasions



Monobloc KK series heat pumps

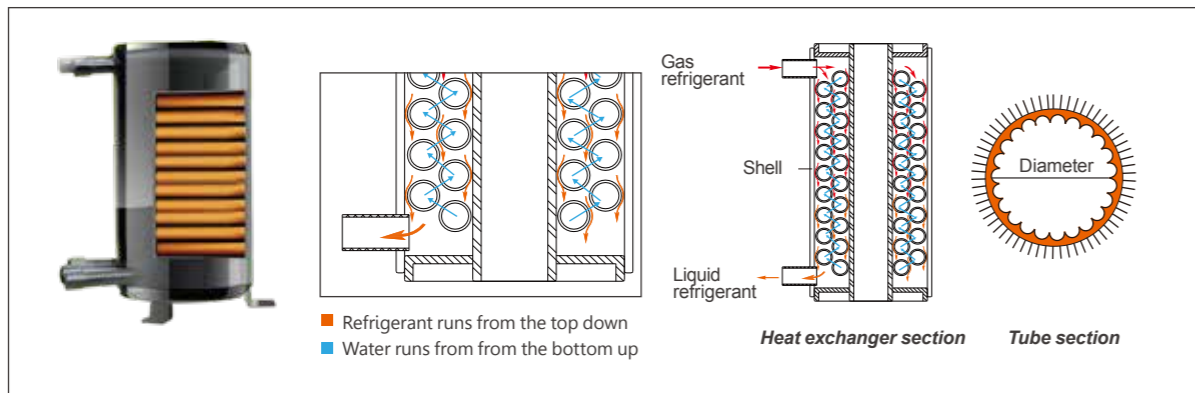
Monobloc KK Series Heat Pumps are highly efficient on heating and cooling applications. The use of green refrigerant R410A are more eco-friendly and perform perfectly even under low ambient temperature of -15 °C. Moreover, the units are space saving, quiet running, and simple to install which only requires water pipe and electric wire for connections. This monobloc series is cost effective and suitable for heating and cooling for apartment and villas.



PHNIX Advanced Heat Pump Technology

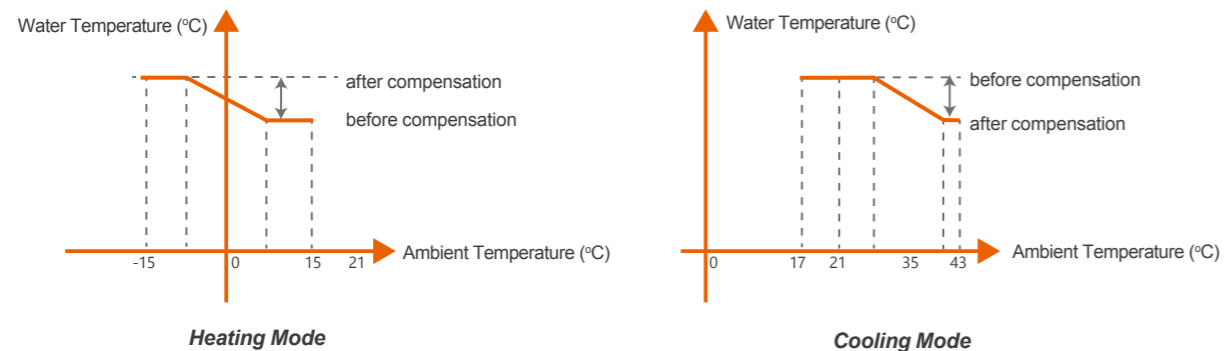
1. Patented Efficient Heat Exchanger

The patented high efficiency heat exchangers are designed with a strong counter current which helps to achieve refrigerant super-cooling. The interspace between the shell and tubes is small, which leads to a larger flow and makes oil return easily. Additionally, the large tube diameter prevents tubes from deposits accumulating and jamming.



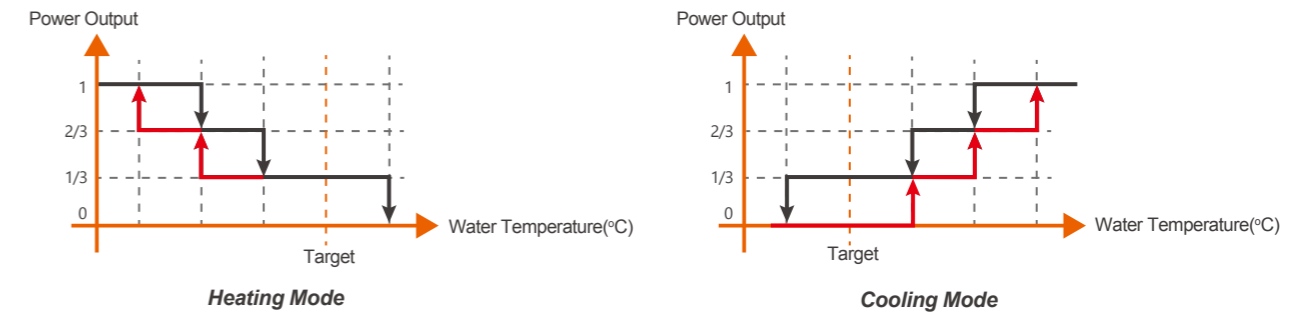
2. Temperature Compensation Technology

Automatic compensation technology can help the unit to adjust water temperature according to the ambient temperature, which contribute to a comfortable water supply no matter in winter or summer.



3. Compressor Interchange Control Logic

With compressor interchange control logic, compressors with specific quantity are automatically turned on or off according to actual requirement, which offers you comfortable temperatures and contributes to less energy consumption and a longer service life of the units.



4. Anti-freeze Protection

With multiple anti-freezing protection, the unit can detect ambient temperature and outlet water temperature in real time, which helps to avoid frost crack of water pipe and leakage, eventually leading to longer service life and more stable operation.

Detailed Features



The EEV (electronic expansion valve) can accurately control the volume of the refrigerant and reduce energy consumption by PID method.



The compressors can be on or off according to the actual energy need. So the units are reliable and easy to control.



Air exchangers (fins-coil) with hydrophilic coating are strongly anti-corrosive and perform at high efficiency.



With strong countercurrent design, the patented heat exchanger is conducive to improve the efficiency and reliability of the unit.



The built in water pumps of the units could reduce your installation cost.



A CAREL or PHNIX self-developed controller, with a simple and friendly interface, is easy to operate and also easy to install.