



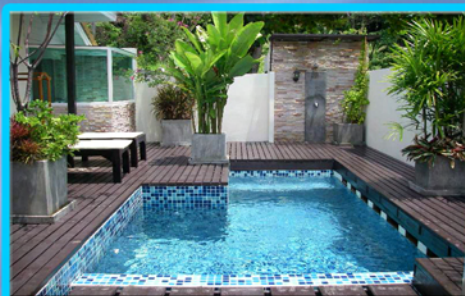
เครื่องทำน้ำร้อน

(Heat Pump Water Heater unit)

สุดยอดด้วยเทคโนโลยีก้าวล้ำในการออกแบบ



- ✓ ระบบวงจรใหม่ก้าวไกลในประสิทธิภาพ
- ✓ เน้นคุณภาพให้การประหยัดพลังงาน
- ✓ ง่ายต่อการบำรุงรักษา
- ✓ รักษาสิ่งแวดล้อม



เหมาะสำหรับ : - โรงพยาบาล, โรงแรม, สถานบริการ อ่าง อบ นวด, สปา, โรงงานอุตสาหกรรม

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Commercial Cycle Heating Heat Pumps									2000W All In One Heat Pump Parameter				
Model		KFRS-10I	KFRS-20II	KFRS-35II	KFRS-45II	KFRS-55II	KFRS-70II	KFRS-90II	Model	KH60/150L	KH60/200L	KH60/250L	KH60/300L
heating capacity	kW	11.2	18	36.3	43.7	54.4	69.8	87.4	Water Tank Volume	150L	200L	250L	300L
COP		4.67	4.62	4.65	4.62	4.69	4.58	4.64	Outlet water temp.	45-60	45-60	45-60	45-60
EER		2.9	3.2	3.1	3.2	3.2	3.1	3.4	Rated voltage	220V	220V	220V	220V
Rated heated water output	L/h	241	388	780	940	1170	1500	1882	Rated frequency	50Hz	50Hz	50Hz	50Hz
Rated outlet water temp.	°C	55							Rated heating capacity	1800W	1800W	1800W	1800W
Max outlet water temp	°C	60							Average input power	500W	500W	500W	500W
Heating input power	kW	2.4	3.9	7.8	9.45	11.6	15.23	18.85	Average input current	2.4A	2.4A	2.4A	2.4A
Heating input current	A	11.48	7.41	14.81	17.94	22.03	28.92	35.8	Electric heater power consumption	2000W	2000W	2000W	2000W
Rated current	A	11.1	7.63	11.1	7.63	16.11	18.29	28.93	Electric heater current	10.1A	10.1A	10.1A	10.1A
Power supply	V/Hz/Ph	220-240V/50Hz/1Ph		380-415V/50Hz/3Ph					Max input power	700+2000W	700+2000W	700+2000W	700+2000W
Compressor type		Copeland Scroll							Max input current	13.6A	13.6A	13.6A	13.6A
Number of Compressors		1	1	2	2	2	2	2	Waterproof grade	IPX4	IPX4	IPX4	IPX4
Heat Exchanger(water side)		Stainless steel brazing plate heat exchanger							Electric shock protection class	I	I	I	I
Heat exchanger (heat recovery)		High efficiency tube in shell heat exchanger							Max water pressure	0.8MPa	0.8MPa	0.8MPa	0.8MPa
Throttling device		Emerson thermal expansion valve							Max exchanger working pressure	3.0MPa	3.0MPa	3.0MPa	3.0MPa
Refrigerant		R407C							Max suction/discharge pressure	0.8/2.8MPa	0.8/2.8MPa	0.8/2.8MPa	0.8/2.8MPa
Level of protection		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	Refrigerant	R134a/1.2kg	R134a/1.2kg	R134a/1.2kg	R134a/1.2kg
Electric shock proof grade		I	I	I	I	I	I	I	Out Dimension(Diameter*Height)	560*1475	560*1760	640*1700	640*1860
Net weight	kg	99	137	276	305	380	552	586	Water pipes connector size	G3/4"	G3/4"	G3/4"	G3/4"
Hot water circulation flow	m3/h	1.93	3.1	6.24	7.51	9.35	12	15.03	Net Weight	78kg	84kg	90kg	100kg
Hot water circulation pressure drop	kPa	30	60	65	65	70	65	70	Gross weight	99kg	108kg	116kg	128kg
Noise in 1 meter distance	db	59	62	63	63	66	68	68	Noise	40dB (A)	40dB (A)	40dB (A)	40dB (A)
Product Dimension	mm	710/710/795	810/810/9950/530/1260	1450/705/1375	1450/705/1375	1445/850/1850	1990/980/2045	1990/980/2045	product size	560*1500mm	560*1700mm	560*1970	650*1800mm
Packing dimension	mm	810/810/980	920/920/1080	1580/840/1450	1580/840/1450	1580/860/2000	2090/1190/2145	2090/1190/2145	package size	650*650*1740mm	650*650*1940mm	650*650*2210mm	740*740*2040mm
Evaporator		Hydropilic Aluminium foil and internal thread copper pipe heat exchanger							Testing condition:	Ambient temp.(DB/WB) = 20°C/15 °C, Input/output water temp. = 15°C/55°C			
Fan type		Low noise high efficiency axial type											
Fan Power Input	W	70	250	250	250	550	750	750					
Fan Direction		Vertical											
Fan Rotation Speed	RPM	850	850	850	850	910	940	940					
Piping Diameter	inch	R1	R1	R1-1/2	R1-1/2	Re2	Re2-1/2	Re2-1/2					
Cabinet		galvanized powder coated steel											
Low pressure protection system		Yes											
High pressure protection system		Yes											
Water flow switch		No											
Automatic defrosting system		Yes											
Ambient temperature		(-10°C~43°C)											
Testing condition:		Heating condition: outside temp.(DB/WB) = 7°C/6°C, water temp.(inlet/outlet) = 40°C/45°C.											
Remarks:		<ul style="list-style-type: none"> ● Working air temperature range:-10°C to 43°C ● Rated working condition: dry-bulb temp: 20°C, wet-bulb temp: 15°C, cool water temp: 15°C, hot water temp:35 °C. ● Guarantee: 1 Year from Installed date 											

ตัวแทนจำหน่าย