

High Temperature Heat Pumps

This series adopts the most advanced enhanced vapors injection compressor technology, EVI heat pump delivers higher heating capacity thereby better responding to heating equipments than normal air source heat pumps.



Features:

- * American Copeland scroll compressor
- * Tube in shell heat exchanger
- * R134A refrigerant
- * Low noise & vibration
- * Automatic defrost system
- * Easy to install & maintain



Specifications

Model		KFR-13/II-GW	KFR-26/II-GW	KFR-45/II-GW
HP		5	10	18
Heating capacity	kW	12.80	25.60	45.40
COP		2.53	2.56	2.53
Rated heated water output	L/h	183	367	650
Rated outlet water temp.	°C		75	
Max outlet water temp	°C		80	
Rated power input	kw	5.06	10.00	17.93
Rated current	A	9.61	18.99	34.05
Power supply	V/PH/Hz	380V-415V/3N~/50Hz		
Compressor type		Scroll		
Number of Compressors		1	2	2
Heat exchanger type		High efficiency tube in shell heat exchanger		
Throttling device		Emerson thermal expansion valve/EEV		
Fan type		Low noise high efficiency axial type		
Fan discharging		Vertical		
Fan quantity		1	2	2
Fan input	W	250	250	750
Fan speed	RPM	880	880	940
Ambient temperature	°C	(-15°C-43°C)		
Refrigerant		R134a		
Hot water circulation flow	m3/h	2.75	5.50	9.75
Hot water circulation pressure drop	kPa	65	70	70
Noise in 1 meter distance	dB	62	65	68
Water pipe size	inch	R1	R1-1/2	R2
Cabinet		Stainless Steel/Steel with powder coated		
Low pressure protection system		Yes		
High pressure protection system		Yes		
Water flow switch		No		
Automatic defrost system		Yes		
Dimension	mm	810/810/995	1450/705/1375	1990/980/2045
Net weight	kg	148	296	600
Testing condition		Ambient temp. (DB/WB): 20 °C/15°C, water temp.(input/output): 15°C/75°C.		