

Low Temperature Heat Pumps (EVI System)



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



Features:

- * Safe working temp down to -25°C
- * American Copeland scroll compressor
- * Tube in shell heat exchanger
- * R22/R407C Refrigerant
- * Low noise & vibration
- * Automatic defrosting
- * Easy to install & maintain



Model		KF240-B/D	KF400-B/D	KFRS-10I/D	KFRS-20 II /D	KFRS-35 II /D	KFRS-45 II /D	KFRS-70 II /D
Heating capacity	kW	10.3	17.8	10.3	17.8	37.4	43.4	69.8
COP		4.42	4.44	4.42	4.44	4.41	4.51	4.58
Rated Heated water output	L/h	220	381	220	381	800	930	1500
Rated outlet water temp.	°C	55						
Max outlet water temp	°C	60						
Rated power input	kW	2.32	4.02	2.32	4.02	8.48	9.63	15.23
Rated current	A	11.1	7.63	11.1	7.63	16.11	18.29	28.93
Power supply	V/Hz/Ph	220-240V/ 50Hz/1Ph	380-415V/ 50Hz/3Ph	220-240V/ 50Hz/1Ph	380-415V/50Hz/3Ph			
Compressor type		Scroll						
Number of Compressors		1	1	1	1	2	2	2
Heat exchanger type		High efficiency tube in shell heat exchanger						
Throttling device		Emerson thermal expansion valve						
Fan type		Low noise high efficiency axial type						
Fan discharging		Horizontal			Vertical			
Fan quantity		1	2	1	1	2	2	2
Fan input	W	50	90	70	250	250	250	750
Fan speed	RPM	850	750	850	850	850	850	940
Ambient temperature	°C	(-25°C~43°C)						
Refrigerant		R22/R407C						
Noise in 1 meter distance	dB(A)	59	63	59	62	63	63	68
Water pipe size	inch	Rc1	Rc1	R1	R1	R1-1/2	R1-1/2	Rc2-1/2
Cabinet		Stainless Steel/galvanized powder coated steel						
Low pressure protection system		Yes						
High pressure protection system		Yes						
Water flow switch		No						
Automatic defrosting system		Yes						
Product Dimensions	mm	800/400/1220	1110/530/1260	710/710/795	810/810/995	1450/705/1375	1450/705/1375	1990/980/2045
Package dimensions	mm	850/476/1235	1130/590/1285	810/810/980	920/920/1080	1580/840/1450	1580/840/1450	2090/1190/2145
Product Net weight	kg	110	155	107	129	285	305	552
Testing condition		Heating: Ambient temp. (DB/WB): 20 °C/15°C, water temp.(input/output): 15°C/55°C.						