

80°C High Temperature Air Source Heat Pump For Hot Water



These series adopt environmental-friendly refrigerant R134A and EVI(Enhanced Vapor Injection) technology. They can produce stable 75 °C hot water, max hot water temp up to 80°C , widely using for industry area .

DESCRIPTION

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PARAMETER LIST

Product model		PF030-KFGRS-S	PF030-KFGRS	PF050-KFGRS	PF100-KFGRS	PF150-KFGRS	PF200-KFGRS	PF250-KFGRS	PF300-KFGRS
heating*	Heating capacity (kW)	7.4	8.3	13.8	27.6	41.1	55.1	65.3	82.6
	Input power (kW)	2.9	3.3	5.4	10.8	16	21.5	25.4	32.3
	COP (Coefficient of Performance)	2.55	2.52	2.56	2.56	2.57	2.56	2.57	2.56
Max input power (kW)		3.92	4.46	7.3	14.6	21.6	29.0	34.3	43.6
Rated current (A)		13.2	6.6	10.8	21.6	32.2	43	51	64.6
Max current (A)		17.8	8.9	14.6	29.2	43.5	58.1	69.0	87.2
Refrigerant		R134A							
Power supply		220V/50Hz	380V/50Hz						
Rated outlet water temperature (°C)		75	75	75	75	75	75	75	75
Highest outlet water temperature(°C)		80	80	80	80	80	85	85	85
Production capacity (L/H)		106	119	198	396	589	790	987	1184
Noise (dB(A))		≤55	≤55	≤58	≤66	≤68	≤68	≤70	≤75
Net weight/Gross weight(kg)		105/111	105/111	150/160	310/330	372/412	482/532	582/642	612/675
Diameter of pipe (mm)		DN25	DN25	DN25	DN32	DN50	DN50	DN65	DN65
Body size(W*D*H)		710*710*870	710*710*870	810*800*1030	1580*800*1600	1580*800*1600	1850*1000*1950	2000*1100*2080	2300*1100*2300
Packing size(W*D*H)		810*810*1070	810*810*1070	910*900*1230	1680*900*1800	1680*900*1800	1950*1100*2050	2100*1200*2280	2400*1200*2500
Working condition: heating*:Inlet water temperature 15°C,Outlet water temperature 75°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.									

Features & Benefits

- 1.Stainless steel/ galvanized powder coated steel resist corrosion.
- 2.American Copeland EVI scroll compressor supplement more capacity through economizer for high outlet water temp.
- 3.High efficient tube in shell heat exchanger and Tube in tube heat exchanger.
- 4.Intelligent EEV, precise control and excellent efficiency at different ambient temperature.
- 5.Intelligent control and Automatic Data Backup (with self-diagnosis function, auto-defrosting function, complete protection function) to ensure reliable operation.
- 6.LCD display with touch keys for easy access, LCD display is very convenient for checking and setting.



Application: Electroplating, printing and dyeing, chemical industry, metal pretreatment, slaughterhouse etc which need high temp. hot water.