




## Univon 80°C High Temperature Air Source Heat Pump Specifications

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Product model		UniQPF030-KFGRS-S	UniQPF030-KFGRS	UniQPF050-KFGRS	UniQPF100-KFGRS	UniQPF200-KFGRS	UniQPF300-KFGRS
							
P a r a m e t e r s	Rated heating capacity (kW)	8.2	9.2	15.2	30.4	60.1	90.8
	Rated input power (kW)	2.9	3.3	5.4	10.8	21.5	32.3
	Max input power (kW)	3.92	4.46	7.3	14.6	29.0	43.6
	Rated current (A)	13.2	6.6	10.8	21.6	43	64.6
	Max current (A)	17.8	8.9	14.6	29.2	58.1	87.2
	COP (Coefficient of Performance)	2.83	2.79	2.81	2.81	2.80	2.81
	Power supply	220V/50Hz/1PH	380V/50Hz/3PH				
	Refrigerant	R134A					
	Rated heated water output (L/H)	130	145	240	480	900	1435
	Rated outlet hot water temperature (℃)	75					
	Max outlet hot water temperature (℃)	80	80	80	80	85	85
	Working ambient temperature	-5 ~ 43℃					
	IP grade (Level of protection)	IPX4					
	Anti-electric shock rate	I					
	Noise (dB(A))	≤55	≤55	≤58	≤66	≤68	≤75
Water pressure drop (kPa)	25	25	30	35	46	52	
Water circulation (m³/H)	3	3	5	10	20	30	
Diameter of pipe (mm)	DN25	DN25	DN25	DN32	DN50	DN65	
S t a n d a r d  C o n f i g u r a t i o n	Metel plate	Galvanized steel/Spray/Gray					
	Compressor	Copeland					
	Condenser	Efficient tank			tube in tube		
	Economy unit (EVI heating exchanger)	Plate Type MTB020-17	Plate Type MTB020-17	Plate Type MTB020-17	Plate Type MTB020-17*2	Plate Type MTB020-17*4	Plate Type MTB020-17*4
	Evaporator	U-2/1550*600/φ9.52	U-2/1550*600/φ9.52	L-2/990*1200/φ9.52	V-2/650*1260*2/φ9.52	V-3/900*1500*2/φ9.52	V-3/900*1900*2/φ9.52
	Fan	φ420*2	φ420*2	φ490*2	YSWF102L50P6-625N-550*2	YSWF127L50P6-840N-710*2	YSWF127L50P6-840N-710*3
	Motor (with capacitance)	50W*2(4μf*2)	50W*2(4μf*2)	90W*2(5μf)			
	Four-way valve	DSF-11	DSF-11	DSF-20	DSF-20*2	DSF-20*4	DHF-35 *3
	Expansion valve	Danfoss /Emerson					
	AC contactor	(220V-25A)	(220V-12A)	(220V-18A)	(220V-18A)*2	(220V-18A)*4	(220V-38A)*3
	High pressure switch	2.4/3.0MPa					
	Controller	Single System (Motorola Chip)			Dual system (Motorola Chip)		
	Power line connect with unit	3*2.5mm²	3*2.5mm²+2*1.5mm²	3*4mm²+2*2.5mm²	3*6mm²+2*2.5mm²	3*10mm²+2*4mm²	3*16mm²+2*6mm²
	Body size (W*D*H) (mm)	1110*490*1260	1110*490*1260	1110*490*1260	1580*800*1600	1850*1000*1950	2300*1100*2300
	Packing size (W*D*H) (mm)	1180*540*1390	1180*540*1390	1180*540*1390	1680*900*1800	1950*1100*2050	2400*1200*2500
	Net weight/Gross weight (kg)	105/111	105/111	150/160	310/330	482/532	612/675
	Package	Polywood packing					

Working condition: Dry bulb temperature 28°C, Wet bulb temperature 20°C, Inlet water temperature 20°C, Outlet water temperature 80°C.

### Notes:

- The above specifications are subject to change without prior notice for product improvement. For final parameters, please refer to the nameplate on the machine.

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