

Univon Air Source Swimming Pool Heat Pump (top discharge)

w.e.f: 01-04-2020

Product model		UBCQPF-050-TD	UBCQPF-100-TD	UBCQPF-120-TD	UBCQPF-150-TD	UBCQPF-200-TD	UBCQPF-250-TD	UBCQPF-300-TD
Picture								
P a r a m e t e r s	Heating capacity (kW)	25.0	49.5	57.9	68.5	99.7	118.6	140.6
	Heating capacity (BTU/h)	85300	168900	197600	233700	340200	404700	479800
	Input power (kW)	4.2	8.5	9.8	11.8	17	20.5	24.1
	COP	5.95	5.82	5.91	5.81	5.86	5.79	5.83
	Heating capacity (kW)	17.5	38.3	43.5	51.3	73.8	86.2	101.3
	Heating capacity (BTU/h)	59700	130700	148400	175000	251800	294100	345600
	Input power (kW)	3.9	8.3	9.4	11.2	16.2	18.9	22.3
	COP	4.49	4.61	4.63	4.58	4.56	4.56	4.54
	Rated current(A)	7.5	15.6	17.9	21.6	31.1	37.5	44.1
	Max input power (kW)	5.46	11.05	12.74	15.34	22.10	26.65	31.33
	Max current (A)	9.8	20.2	23.3	28.1	40.4	48.8	57.3
	Power supply	380V/50Hz/3PH						
	Refrigerant	R417A						
	Rated outlet water temperature (°C)	28						
	Working ambient temperature	-10~43°C						
	IP grade (Level of protection)	IPX4						
	Anti-electric shock rate	I						
	Noise (dB(A))	≤58	≤66	≤66	≤68	≤68	≤72	≤75
	Water pressure drop (kPa)	30	35	38	40	46	48	52
	Water circulation (m³/H)	10.8	21.3	24.9	29.5	42.9	51.0	60.5
	Diameter of pipe (mm)	φ50	φ63	φ63	φ75	φ75	φ90	φ90
S t a n d a r d C o n f i g u r a t i o n	Casing material	Galvanized steel/Spray/Gray						
	Compressor	Copeland						
	Condenser	Titanium tube in PVC shell						
	Evaporator	U-1/1860*900/φ9.52	V-2/650*1260*2/φ9.52	V-3/650*1260*2/φ9.52	V-3/650*1260*3/φ9.52	V-3/900*1500*2/φ9.52	V-3/900*1700*2/φ9.52	V-3/900*1900*2/φ9.52
	Fan motor (with capacitance)	250W*1(15μf)	YSWF102L50P6-625N-550*2	YSWF102L50P6-625N-550*2	YSWF102L50P6-625N-550*2	YSWF102L70P6-753N-630*2	YSWF127L50P6-840N-710*2	YSWF127L50P6-840N-710*3
	Four-way valve	DSF-20	DSF-20	DSF-20	DSF-20	DHF-35	DHF-35	DHF-35
	Expansion valve	Sanhua						
	AC contactor	220V-18A	(220V-18A)*2	(220V-25A)*2	(220V-32A)*2	(220V-38A)*2	(220V-38A)*2	(220V-38A)*3
	Low pressure switch	0.05/0.15MPa						
	High pressure switch	3.0/3.6MPa						
	Controller	Single System (Motorola Chip)	Dual system (Motorola Chip)			Four system (Motorola Chip)		
	Power line connect with unit	3*4mm²+2*2.5mm²	3*6mm²+2*2.5mm²	3*6mm²+2*2.5mm²	3*10mm²+2*4mm²	3*10mm²+2*4mm²	3*16mm²+2*6mm²	3*16mm²+2*6mm²
	Body size (W*D*H) (mm)	810*800*1030	1580*800*1600	1580*800*1600	1580*800*1600	1850*1000*1950	2000*1100*2080	2300*1100*2300
	Packing size (W*D*H) (mm)	910*900*1230	1680*900*1800	1680*900*1800	1680*900*1800	1950*1100*2050	2100*1200*2280	2400*1200*2500
	Net weight/Gross weight (kg)	145/155	300/320	330/350	372/412	482/532	582/642	612/675
	Package	Plywood packing						

Heating* working condition: Dry bulb temperature 26°C, Inlet water temperature 26°C, Outlet water temperature 28°C.

Heating** working condition: Dry bulb temperature 15°C, Inlet water temperature 26°C, Outlet water temperature 28°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.

for Unique Business Corporation



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