

## Univon Air Source Swimming Pool Heat Pump (side discharge) Specification

w.e.f: 01-04-2020

Product model		UniQPH03Hs (1P)	UniQPH06Hs (1.5P)	UniQPH09Hs (2P)	UniQPH12Hs (2.5P)	UniQPH16Hs (3P)	UniQPH21Hs (4.5P)	UniQPH25Hs-T (5P)	UniQPH30Hs-T (6P)	
										
P a r a m e t e r s	Heating capacity (kW)	3.9	6.0	8.7	12.0	16.0	21.0	25.0	30.0	
	Heating capacity (BTU/h)	13300	20500	29700	41000	54600	71700	85300	102400	
	Input power (kW)	0.75	1.05	1.50	2.05	2.70	3.58	4.2	4.8	
	COP	5.20	5.71	5.80	5.85	5.93	5.87	5.95	6.25	
	Heating capacity (kW)	3.0	4.5	6.5	8.9	11.8	15.0	17.5	22.5	
	Heating capacity (BTU/h)	10300	15400	22000	30400	40300	51200	59700	76800	
	Input power (kW)	0.7	1.02	1.45	1.98	2.65	3.35	3.9	4.7	
	COP	4.29	4.41	4.48	4.49	4.45	4.48	4.49	4.79	
	Rated current (A)	3.4	4.6	6.5	9.1	11.5	15.5	7.5	8.5	
	Max input power (kW)	0.98	1.37	1.95	2.67	3.51	4.65	5.46	6.24	
	Max current (A)	4.4	6.0	8.5	11.8	15.0	20.2	9.8	11.1	
	Power supply	220V/50Hz/1PH							380V/50Hz/3PH	
	Refrigerant	R410A					R407C			
	Rated outlet water temperature (℃)	28								
	Working ambient temperature	-10～43℃								
	IP grade (Level of protection)	IPX4								
	Anti-electric shock rate	I								
	Noise (dB(A))	≤42	≤44	≤45	≤47	≤50	≤50	≤58	≤52	
	Water pressure drop (kPa)	23	23	23	25	25	28	30	32	
	Water circulation (m³/H)	1.7	2.6	3.7	5.2	6.9	9.0	10.8	12.9	
	Diameter of pipe (mm)	φ50	φ50	φ50	φ50	φ50	φ50	φ50	φ50	
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/White					Galvanized steel/Spray/Gray			
	Compressor	Panasonic					Copeland			
	Condenser	Titanium tube in PVC shell								
	Evaporator	L-1/900*500/φ9.52	L-2/900*500/φ9.52	L-2/900*500/φ9.52	U-2/1200*550/φ9.52	U-2/1200*550/φ9.52	U-2/1200*550/φ9.52	L-2/990*1200/φ9.52	L-2/990*1200/φ9.52	
	Fan	φ400*1	φ400*1	φ400*1	φ490*1	φ490*1	φ490*2	φ490*2	φ490*2	
	Motor (with capacitance)	25W*1(2μf)	25W*1(2μf)	25W*1(2μf)	50W*1(4μf)	90W*1(5μf)	90W*2(5μf)	90W*2(5μf)	90W*2(5μf)	
	Four-way valve	SHF-4-23U	SHF-4-23U	SHF-4-23U	SHF-7H-34U	SHF-7H-34U	DSF-20	DSF-20	DSF-20	
	Expansion valve	Capillary Tube					Sanhua			
	AC contactor	Eaton (220V-12A)	Eaton (220V-12A)	Eaton (220V-12A)	Eaton (220V-18A)	Eaton (220V-25A)	Eaton (220V-25A)	Eaton (220V-18A)	Eaton (220V-18A)	
	Low pressure switch	0.15/0.32MPa					0.05/0.15MPa			
	High pressure switch	3.6/4.2MPa					3.0/3.6MPa			
	Controller	Single System (Motorola Chip)								
	Power line connect with unit	3*1.5mm²	3*1.5mm²	3*1.5mm²	3*2.5mm²	3*2.5mm²	3*4mm²	3*2.5mm²+2*1.5mm²	3*4mm²+2*2.5mm²	
	Body size (W*D*H) (mm)	936*360*560	936*360*560	936*360*560	1010*370*630	830*490*1160	1110*490*1260	1110*490*1260	1110*490*1260	
	Packing size (W*D*H) (mm)	1036*460*710	1036*460*710	1036*460*710	1110*470*780	920*540*1290	1180*540*1390	1180*540*1390	1180*540*1390	
	Net weight/Gross weight (kg)	42/45	45/48	50/54	63/68	75/82	102/112	105/115	135/150	
	Package	Polywood 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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