AQUA ZEUS

SWIMMING POOL HEAT-PUMP

Wi-Fi | INVERTER | PID Intelligent defrost technology | Silent operation | Integrated thermostat | 40°C High temp water outlet



Model			SHP-010SPAQZ-1	SHP-020SPAQZ-1	SHP-030SPAQZ-1	SHP-040SPAQZ-1	SHP-050SPAQZ-1	SHP-060SPAQZ-1	SHP-070SPAQZ-1	SHP-080SPAQZ-1
Heating	Operating air temperature	℃	-20 ~43							
	Performance Condition: Air 27°C, Water 26°C, Humidity 80%									
	Heating capacity	kW	6.0~1.6	9.0~2.2	12.0~3.0	16.0~3.5	20.0~4.0	23.5~5.3	28~6.8	33.1~8.0
	Heating capacity	Btu	20470~5460	30700~6820	40940~10240	54590~11940	68240~13650	80180~18080	95540~23200	112937~27296
	Consumed power	kW	1.07~0.13	1.39~0.16	2.07~0.21	2.66~0.25	3.33~0.28	4.28~0.44	4.42~0.49	5.33~0.58
	COP		5.6~12.0	6.5~13.5	5.8~14.2	6.0~14.2	6.0~14.2	5.5~12.0	6.3~14.0	6.2~13.8
	COPat 50% capacity		9.0	9.8	10.5	10.5	10.2	9.0	10.2	9.7
	Performance Condition: Air 15°C, Water 26°C, Humidity 70%									
	Heating capacity	kW	4.6~1.3	7.0~1.7	9.0~2.2	11.8~2.7	15~3.0	17.8~3.8	23~5.5	25.2~7.5
	Heating capacity	Btu	15700~4435	23880~5800	30700~7500	40260~9210	51180~10230	60730~12960	78476~18766	85982~25590
Cooling	Consumed power	kW	1.17~0.20	1.51~0.24	2.05~0.29	2.62~0.37	3.33~0.44	4.32~0.61	4.89~0.81	5.36~1.15
	COP		3.9~6.2	4.6~7.0	4.4~7.5	4.5~7.3	4.5~6.8	4.1~6.2	4.7~6.8	4.7~6.5
	COP at 50% capacity		5.5	5.8	5.6	6.5	6.1	5.6	6.3	6.2
	Performance Condition: Air 35°C, Water 28°C, Humidity 80%									
	Cooling capacity	kW	4.0	6.0	8.0	10.0	11.3	13.0	14.9	17.5
Consumed power		kW	1.05	1.58	2.35	2.63	2.97	3.47	3.92	4.06
EER			3.8	3.8	3.4	3.8	3.8	3.8	3.8	4.3
Sound pressure at 1m		dB(A)	36~48	38~49	40~50	43~53	43~54	44~56	47~58	48~60
Sound pressure of 50% capacity at 1m		dB(A)	42	42	45	46	48	49	52	54
Sound pressure at 10m		dB(A)	18~28	19~29	20~30	23~31	24~32	25~33	27~38	28~40
Heat exchanger			Spiral titanium tube in PVC							
Casing			ABS plastic casing black color							
Power supply V/Ph/Hz/Hz			230/1/50/60							
Water connection		mm	Φ50							
Max. power input		kW	1.5	2.3	2.9	3.5	4.4	5.5	6.5	7
Max. current		A	7.2	11.1	14.0	16.0	20.2	25.2	29.7	31.8
Advised water flux		m^3/h	2.6	3.9	5.2	6.9	8.6	10.1	12.04	14.2
Water pressure drop (max)		kPa	2	5	9	9	14	19	20	20
Net weight/Gross weight		kg	52/62	60/70	62/72	80/92	83/95	86/98	118/132	120/134
Body size		mm	1036*410*605			1130*480*816			1235*490*980	
Package size		mm	1100*430*750			1195*500*960			1303*512*1125	
Loading quantity (20/40)		GP/HQ	78/162			38/86			38/82	
Refrigerant			R290							
Compressor			HIGHLY							
Four-way valve			Sanhua							
Expansion valve			Sanhua							
Frequency drive board			CHICO							
Operating water temperature *heating		℃	9~40							
Operating water temperature *cooling		℃	9~35							

The company reserves the right to modify the technical specifications without prior notice.