



### Commercial Swimming Pool Heat Pump

POWERWORLD pool heat pump provides the maximum energy efficiency and reliability. Working efficiently, the heat pump units absorb another 6 times of free heat from the ambient environment, and transfer it to the pool water, which makes the heating process ecological and cost saving.

DESCRIPTION



## Side/Top Discharge Swimming Pool Heat Pump

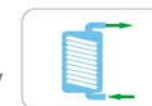
PARAMETER LIST

Model		PHP21Hs	PHP25Hs-T	PHP30Hs-T	PF030-KFXYC	PF050-KFXYC	PF100-KFXYC	PF120-KFXYC	PF150-KFXYC	PF200-KFXYC	PF250-KFXYC	PF300-KFXYC
Power supply	V/ph/Hz	220/1/50	380/3/50	380/3/50	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
1)Heating capacity	kW	21.0	25.0	30.0	16.0	25.0	49.5	57.9	68.5	99.7	118.6	140.6
Power input	kW	3.58	4.2	4.8	2.7	4.2	8.5	9.8	11.8	17	20.5	24.1
COP		5.87	5.95	6.25	5.93	5.95	5.82	5.91	5.81	5.86	5.79	5.83
2)Heating capacity	kW	15.0	17.5	22.5	11.8	17.5	38.3	43.5	51.3	73.8	86.2	101.3
Power input	kW	3.35	3.9	4.7	2.65	3.9	8.3	9.4	11.2	16.2	18.9	22.3
COP		4.48	4.49	4.79	2.24	1.53	0.70	0.63	0.52	0.36	0.31	0.26
Rated current	A	15.5	7.5	8.5	11.5	7.5	15.6	17.9	21.6	31.1	37.5	44.1
Fan Discharge		Horizontal (side blowing)				Vertical ( Top blowing )						
Operation air temp.range	°C	-7~43										
Advised water flow rate	m³/h	9.0	10.8	12.9	6.9	10.8	21.3	24.9	29.5	42.9	51.0	60.5
Noise at 1m	dB(A)	≤50	≤58	≤52	≤55	≤58	≤66	≤66	≤68	≤68	≤72	≤75
Water pipe connection diameter	mm	50	50	50	50	50	50	50	50	50	50	50
Net weight/Gross weight	kg	102/112	105/115	135/150	100/106	145/155	300/320	330/350	372/412	482/532	582/642	612/675
Net size(W*D*H)	mm	1110*490*1260	1110*490*1260	1110*490*1260	710*710*870	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	1180*540*1390	1180*540*1390	1180*540*1390	810*810*1070	910*900*1230	1600*850*1230	1680*900*1800	1680*900*1800	1950*1100*2050	2100*1200*2280	2400*1200*2500
Loading quantity (20GP/40GP/40HQ)	pcs	18/42/42	18/42/42	18/42/42	90/180/180	90/180/180	90/180/180	72/144/144	20/44/44	18/42/42	18/42/42	18/42/42
Casing		Galvanized steel/Stainless steel										
Refrigerant		R407C/R417A										
Heat exchanger		Titanium in PVC										
Remark:heating*		working condition, Inlet water temperature 26°C, Outlet water temperature 28°C, Dry bulb temperature 26°C, Humidity 80%.										
heating**		working condition, Inlet water temperature 26°C, Outlet water temperature 28°C, Dry bulb temperature 15°C, Humidity 70%.										

## Features & Benefits



**Ultra Efficiency**  
With enlarged evaporator and premium titanium heat exchanger, POWERWORLD pool heat pump provides superior hydraulic flow for excellent efficiency and maximum energy savings.



**Reliability**  
High quality Titanium heat exchanger guarantees the heat pump can heat the pool water after chlorine, salts, and bromine treatments.



**4 season fuction**  
Can work under wide ambient temperature ranges, from -7°C to 43°C, and provide all year-round warm water.



**Intelligent defrosting system**  
Adopt high quality 4-way valve, and combined with POWERWORLD intelligent auto-defrosting system, it assures the heat pump unit can work smoothly under severe cold environment.



**Quiet operation**  
With the superior low-noise 6# fan motor, plus the inner sound-absorbing foam, which keeps you far away from the neighborhood and children complains of too high running noise.



**Security and stability**  
Well selected top-brand components to provide you the most stable performance; totally isolated electricity and water system to guaranty a security daily use.