

COMMERCIAL SERIES

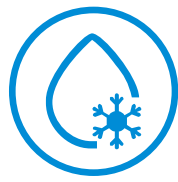
SWIMMING POOL HEAT PUMP



Ultra Efficiency



Reliability



Intelligent Defrosting



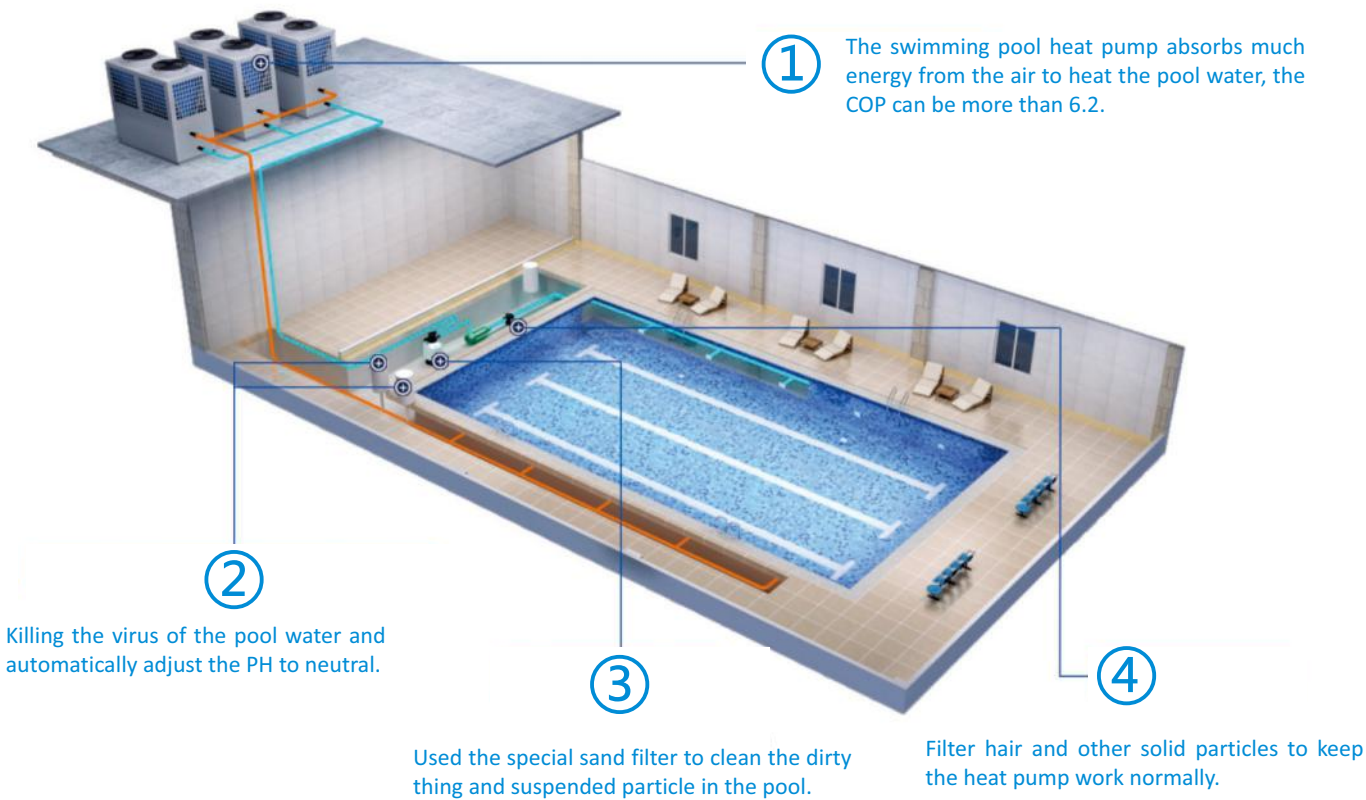
Season function



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Commercial pool heat pump provides 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, specially designed for maintaining a constant temperature of swimming pools 40m³ to 500m³, such as pools in hotels, public parks, schools, sports centers, gyms, and so on.

- ① Swimming Pool Heat Pump
- ② Disinfection & pH Value Adjustment System
- ③ Sand Cylinder Filter
- ④ Hair Collector



Model	PW050 -KFXYC	PW100 -KFXYC	PW150 -KFXYC	PW200 -KFXYC	PW250 -KFXYC	PW300 -KFXYC
Advised pool volume (m3)	40~85	80~170	120~250	150~300	210~400	260~500
Operating air temperature (°C)	-7~43°C					
Performance Condition: Air 27°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	26	51.5	75	100	121	145
Heating capacity (Btu)	88400	175100	255000	340000	411400	493000
Consumed power (kW)	4.2	8.4	12.1	16.8	20.2	23.8
COP	6.2	6.1	6.2	6	6	6.1
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	18.3	39.8	53.5	77.5	90.3	105.8
Heating capacity (Btu)	62220	135320	181900	263500	307020	359720
Consumed power (kW)	3.9	8.4	11.3	16.7	19.2	22.8
COP	4.7	4.7	4.7	4.6	4.7	4.6
Performance Condition: Air 35°C, Water 28°C, Humidity 80%						
Cooling capacity (kW)	16.5	33.4	48.5	65.1	78.5	94.6
Sound pressure at 1m dB(A)	56	58	60	62	64	66
Sound pressure at 10m dB(A)	44	46	48	50	52	54
Heat exchanger	Spiral titanium tube in PVC shell					
Casing	Metal Casing					
Refrigerant	R410A					
Power supply	380V~400V/3PH/50Hz					
Water connection (mm)	G1-1/2" (PVC female thread)	G2" (PVC female thread)	G2" (PVC female thread)	Dn90 (PVC flange)	Dn90 (PVC flange)	Dn90 (PVC flange)
Rated input current at air 15°C (A)	6.05	13.02	17.52	25.89	29.77	35.35
Advised water flux (m³/h)	11.2	22.1	32.3	43.0	52.0	62.4
Water pressure drop (max) KPa	50	50	50	45	45	50
Net weight / Gross weight (kg)	135/145	200/220	248/268	352/372	450/480	465/500
Product size (mm)	750*805*1165	1500*750*1075	1530*790*1100	1705*1065*1200	2005*1065*1400	
Loading quantity (20GP/40GP/40HQ)	14/28/56	6/14/28	6/14/28	6/12/12	5/10/10	
Loading quantity (20GP/40GP/40HQ)	2500	5400	7000	10000	10400	13000
Operating water temperature(°C) Heating	9~40°C					
Operating water temperature(°C) Cooling	9~35°C					

Note:
The data above is for reference only,
Please refer to the nameplate on the unit if for more specific data.