

SWIMMING POOL HEAT PUMP



The swimming pool heat pump with a power of 7-20kW is an ideal solution for direct heating and cooling of swimming pool water. The set is equipped with an intelligent controller with a dedicated mobile application.



Panasonic rotary
compressor



High COP efficiency
(A27/W26) 6.5



Quiet operation
(acoustic power <54 db)

Model	KTB 7 kW	KTB 11 kW	KTB 20kW
Advised pool volume (m³)	15~30	25~50	50~100
Operating ambient temperature range (°C)	-7~43		
Working condition: Air 27°C, Water 26°C, Humidity 80%			
Heating capacity (kW)	1.92 ~7.50	2.5 ~11.0	4.0 ~20.0
Input power (kW)	0.13 ~1.15	0.17 ~1.83	0.27 ~3.33
COP	6.5~14.8	6.0~14.7	6.0~14.8
Working condition: Air 15°C, Water 26°C, Humidity 70%			
Heating capacity (kW)	1.42 ~5.80	1.65 ~8.5	2.85 ~15.6
Input power (kW)	0.20 ~1.15	0.23 ~1.77	0.40 ~3.25
COP	5.0~7.1	4.8~7.2	4.8~7.0
Working condition: Air 35°C, Water 28°C, Humidity 80%			
Cooling capacity (kW)	4,0	6.0	10.1
Noise dB (A)	38~48	40~50	43~53
Condenser	Spiral titanium		
Cover	ABS		
Power supply (Voltage, Phases, Frequency)	230V/1 Phase/50Hz		
Diameter of pipe (mm)	Ø 50		
Rated current for 15°C (A)	0.9 ~5.1	1.0 ~7.8	1.8 ~14.3
Advised water flow (m³/h)	2~4	3~5	8~10
Water pressure decrease (max) (kPa)	2	4	6
Weight net/gross (kg)	62/70	64/72	81/91
Dimensions (W x D x H) (mm)	1000x396x640	1000x396x640	1125x416x765
Compressor	Panasonic		
Amount of refrigerant (g)	340	440	780
Refrigerant	R32		
4-way valve	Sanhua		
Expansion valve	Sanhua		
Operating range (°C) heating	9~40		
Operating range (°C) cooling	9~35		

