

  
**SIRAIR**  
Engineered for Comfort

# POOL HEATPUMP

- **ABS Hard Plastic Casing (Anti-Rust)**
- **Titanium in PVC Heat exchanger**
- **R410 Eco-friendly refrigerant**



POWERED BY:



**TOSHIBA**



# TECHNICAL DATA

Model		SHP07	SHP09	SHP11	SHP13	SHP17
Air24°C/ Water20°C [1]	Heating Capacity (W)	7200	9190	11100	13100	17200
	Heating Capacity (BTU)	24550	31340	37850	44670	58650
	Heating Input (W)	1255	1560	1928	2230	3020
	Normal Current (A)	6.00	7.46	9.22	10.67	14.45
	COP	5.74	5.89	5.76	5.87	5.70
Air35°C/ Water27°C [2]	Cooling Capacity (W)	4900	5930	6820	9700	12400
	Cooling Capacity (BTU)	16720	20220	23250	33070	42280
	Cooling Input (W)	1520	1870	2210	2990	4070
	Normal Current (A)	7.27	8.95	10.57	14.31	19.47
	EER	3.22	3.17	3.09	3.24	3.05
Max Current (A)		9.19	12.10	14.30	16.70	21.40
Power cable cross section(MM <sup>2</sup> )		3*2.5	3*2.5	3*2.5	3*3.5	3*3.5
Power Supply		220-240V~50Hz				
Setting temperature range		15°C ~ 40°C				
Running temperature range		-5°C ~ 43°C				
Unit dimensions W×H×D(mm)		1006x620x350	1006x620x350	1006x620x350	1025x413x752	1025x413x752
Net Weight (KG)		52	58	66	76	102
Sound pressure level at 1m [4]		≤53	≤53	≤54	≤54	≤54
Sound pressure level at 4m [4]		≤41	≤41	≤43	≤43	≤43
Sound pressure level at 10m [3]		≤33	≤33	≤34	≤34	≤34
Water inlet/outlet dimension		1.5"	1.5"	1.5"	1.5"	1.5"
Hydraulic connection		PVC 50mm				
Water Heat Exchanger		Titanium PVC Tank				
Min.water flow(M <sup>3</sup> /h)		4	4	5	5	5
Refrigerant charged (KG)		1.0	1.5	1.7	2.2	2.9
Load loss(mCE)		1.6	1.68	1.68	1.71	1.75
Max.pool volume(M3) [4]		30-45	40-65	55-80	75-95	90-120
Refrigerant		R410a				
Display		LCD				
Mode		Heating/Cooling/Auto				

[1] Ambient air temperature 24°C(DB)/19°C(WB), water temperature 20°C

[2] Ambient air temperature 35°C(DB)/27°C(WB), water temperature 27°C

[3] Noise from 1m + from 5m + from 10m (in DBA) (As in the directives

EN ISO 3741 & EN ISO 354...)

[4] Calculated for in ground swimming with solar pool blanket

