



SHBYC Inverter Pool Heat Pump



SUPER FREQUENCY CONVERSION ALWAYS SERVING YOU.



R32

A new generation non-toxic refrigerants with energy-saving, carbon reducing and environment-friendly. No harm to the ozone layer, slow down global warming.



Cost saving

The highest cop is nearly 16. More heating capacity, and use cost is reduced by 60%.



Quiet

Ultra low noise, enjoy the comfortable swimming environment.



Convenient IOT

Wi-Fi, intelligent control anytime, anywhere.

Sydney Office

Tel: 1300 186 667
Email: info@smartheat.com.au
Address: 6/19 Chifley Street, Smithfield NSW 2164
Web: www.smartheat.com.au

Canberra Showroom

Tel: 1300 732 807
Email: info_canberra@smartheat.com.au
Address: 1/74-76 Townsville Street Fyshwick ACT 2609

CORE COMPONENTS



1. Compressor

Mitsubishi DC frequency conversion compressor has excellent performance in different frequency bands, energy saving and stability.



2. DC fan

Fast speed adjustment, low noise, low power consumption.



3. Titanium tube heat exchanger

Super anti-corrosion, 30% increase in heat exchange, long durability.



4. Electronic expansion valve

Quick adjustment and control of flow, accurate matching system, energy saving and noise reduction.



5. Intelligent frequency conversion controller

Accurate temperature sensing, intelligent balance, water temperature control error 0.1°C. Stable start and stop, stable operation.



6. Multiple protection

Antifreeze protection, water flow protection, high pressure protection, low pressure protection is insufficient, water flow protection, safe use.

Full DC Inverter Swimming Pool heat pump

SmartHeat		SHBYC-007	SHBYC-010	SHBYC-013	SHBYC-017	SHBYC-021	SHBYC-028	SHBYC-028 TD	
Heating temperature range	°C	15°C~40°C	15°C~40°C	15°C~40°C	15°C~40°C	15°C~40°C	15°C~40°C	15°C~40°C	
Cooling temperature range	°C	7°C~35°C	7°C~35°C	7°C~35°C	7°C~35°C	7°C~35°C	7°C~35°C	7°C~35°C	
Operating range	°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	-15°C~43°C	
Air 26°C Water 26°C	capacity(KW)	7.62~1.75	10.21~2.34	13.12~3.02	16.52~3.79	21.01~4.83	28.23~6.49	28.42~6.53	
	power input(KW)	1.10~0.13	1.47~0.17	1.88~0.22	2.38~0.28	3.03~0.36	4.06~0.48	4.08~0.48	
	input current (A)	5~0.59	6.69~0.77	8.55~1	10.82~1.28	13.77~1.64	18.45~2.18	7.28~0.86	
	COP	14.52~6.91	14.68~7.02	14.79~7.12	15.17~7.23	15.36~6.94	15.97~6.95	15.98~6.96	
Air 15°C Water 26°C	capacity(KW)	5.74~1.33	7.62~1.76	9.73~2.23	12.61~2.87	15.74~3.59	20.68~4.77	20.75~4.79	
	power input(KW)	1.16~0.18	1.54~0.23	1.95~0.29	2.54~0.38	3.18~0.47	4.17~0.63	4.18~0.63	
	input current (A)	5.27~0.82	7~1.05	8.86~1.32	11.55~1.73	14.45~2.14	18.95~2.86	7.46~1.12	
	COP	7.53~4.94	7.58~4.95	7.63~4.98	7.61~4.96	7.57~4.95	7.59~4.96	7.59~4.97	
Air 35°C Water 27°C	capacity (KW)	4.06~1.12	5.36~1.38	6.88~1.82	8.86~2.24	11.07~2.86	14.52~3.64	14.58~3.66	
	power input(KW)	1.15~0.17	1.51~0.21	1.88~0.27	2.47~0.34	3.11~0.44	4.04~0.55	4.04~0.55	
	input current (A)	5.23~0.77	6.86~0.95	8.55~1.23	11.23~1.55	14.14~2.00	18.36~2.50	7.21~0.98	
	EER	6.48~3.52	6.51~3.54	6.62~3.65	6.58~3.58	6.57~3.56	6.61~3.59	6.63~3.61	
Power supply		220~240V/50 (60) Hz							380~415V/50 (60) Hz
Max power input	KW	2.053	2.853	3.656	3.925	4.985	5.962	5.962	
Rated power	KW	1.16	1.54	1.95	2.54	3.18	4.17	4.18	
Rated current	A	5.27	7	8.86	11.55	14.45	18.95	7.46	
Fuse or circuit breaker(A)	A	10	15	20	20	25	30	15	
Water flow	m³/h	2.5	3.5	4.5	5.5	6.5	9	9	
Refrigerant		R32							
Refrigerant volume	g	380	460	850	850	950	1170	1170	
Min pressure/max pressure	Mpa	0.2/4.4	0.2/4.4	0.2/4.4	0.2/4.4	0.2/4.4	0.2/4.4	0.2/4.4	
Water proof level		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	
Pressure loss	(mCE)	0.9	1	1.1	1.1	1.1	1.1	1.2	
Net Dimensions (mm)(L x W x H)	mm	836*379*591	836*379*591	896*389*641	896*389*641	896*389*641	1056*416*744	1056*416*744	
Package Dimensions (mm)(L x W x H)	mm	930*400*716	930*400*716	990*435*750	990*435*750	990*435*750	1146*460*869	1146*460*869	
Net Weight(kg)	kg	42	43	53	54	58	86	86	
Gross Weight(kg)	kg	51	53	64	65	69	97	97	