SolarEast



From Box to Pool in Minutes — Plug and Play

This mini pool heat pump is compact and lightweight—under 30kg. Easy to ship via e-commerce platforms.

Uses eco-friendly R32 refrigerant. Lower GWP, better for the planet.

Operates quietly at just 50dB(A). No noise disruption in your garden. Plug-and-play design. No need for complex installation.

Full inverter systemm, more efficient and longer-lasting. No frequent on-off cycling. Modern and stylish appearance. Blends into outdoor spaces easily. Improved COP performance. Lower energy use, faster heating.

Ideal for small pools and backyard setups. A perfect mix of performance, convenience, and style.

Lighter Shipping
Under 30kg, ideal for e-commerce and express delivery.

Eco-Friendly Refrigerant
R32 inside, low GWP and safer for the planet.

Quiet Operation
Only 50dB(A), enjoy peaceful outdoor pool moments.

Plug & Play
Portable design, easy setup without professional tools.

Longer Lifespan
No frequent on-off, protects components and lasts longer.

Garden-Friendly Look
Compact and modern, fits stylish backyard aesthetics.

High Efficiency
Improved COP, better heating with lower energy use.

Flexible Connections
Fits 32mm or 38mm hoses via adapter.

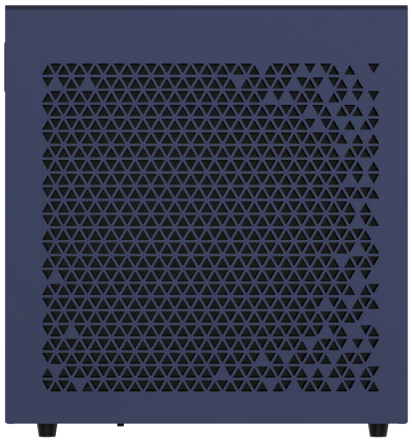
Inverter Technology

swimming pool heat pump

SolarEast

5～9 COP

0～43℃ Operation Temp.



R32 Eco-friendly

50 dB(A) Low Noise

T E C H N I C A L D A T A

Model			BYC-006TN1
Power Supply			230V～/50Hz
Heating capacity1 Max./Min	at Air 26℃, Humidity 80%, Water 26℃in,28℃out	kW	6.08～3.02
Heating Power Input Max./Min		kW	1.14～0.31
COP Max./Min		w/w	5.33～9.75
Heating capacity2 Max./Min	at Air 15℃, Humidity 70%, Water 26℃in	kW	4.03-1.89
Heating Power Input Max./Min		kW	1.04-0.36
COP Max./Min		w/w	3.87-5.25
Cooling capacity Max./Min	at Air 35℃, Water 27℃in	kW	1.40
Cooling Power Input Max./Min		kW	1.10
EER Max./Min		w/w	1.27
Noise level		dB(A)	50
Power Input Max.		kW	1.36
Current Input Max.		A	6.0
Heating Ambient Temperature		℃	0-43
Cooling Ambient Temperature		℃	15-43
Heating Water side operating temperature		℃	8-40
Cooling Water side operating temperature		℃	8-28
Refrigerant Type／Charge／GWP		kg	R32 /0.30/675
CO_2 Equivalent		/	0.20t
Operation Pressure(Low Side)		MPa	1.60
Operation Pressure(High Side)		MPa	4.00
Maximum Allowable Pressure		MPa	4.00
Electrical Shockproof		/	I
IP Class		/	IPX4
Water Piping Connections		mm	30
Water Pressure Drop		kPa	9
Water Pressure Max		MPa	0.4
Water Flow Rated		m^3/h	2.58
Unit Dimensions (W/H/D)		mm	420*355*470
Shipping Dimensions (W/H/D)		mm	475*430*510
Net Weight		kg	24
Shipping Weight		kg	27

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