SolarEast



New Series. New Standard. For Smarter Pool Living

5kW full inverter pool heat pump combines power, intelligence, and comfort. It uses eco-friendly R32 refrigerant to reduce emissions without compromising performance.

Full DC inverter technology ensures stable temperature, high efficiency, and longer lifespan.

The operating noise is as low as 46dB(A), keeping your backyard peaceful. Its front-facing screen makes controls easy to read and use. WiFi connectivity allows you to monitor and adjust settings anytime, anywhere.

We support customizable appearances to help you enhance your brand influence.

Ideal for pools up to 20m^3, it fits perfectly in homes. Whether for daily enjoyment or seasonal heating, this unit delivers quiet, smart, and efficient performance—making pool comfort effortless and stylish.

R32 Refrigerant
Low-GWP refrigerant, eco-friendly solution.

Customizable Appearanceand Color
Customze the heat pump's design toharmonize with your pool's aesthetics.

Full DC Inverter Technology
High efficiency, stable temperature, and longer lifespan system.

Low Noise Operation
Quiet at only 46dB(A), ideal for residential settings.

User-Friendly Front Display
Screen on front panel for easy monitoring and control.

WiFi Smart Control
Remote control via app anytime, anywhere, real-time updates.

Multiple Controller Options
Standard, wired, or smart controls for flexible integration.

Ideal for ⩽20m^3 Pools
Perfect for small and medium backyard or hotel pools.

Inverter Technology

swimming pool heat pump

SolarEast

7～19 COP

-15～43℃ Operation Temp.



R32 Eco-friendly

46 dB(A) Low Noise

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

Model			BYC-005TO1
Power Supply			220-240V～/50Hz(60Hz)
Heating capacity1 Max./Min	at Air 26℃, Humidity 80%, Water 26℃in,28℃out	kW	7.29～2.66
Heating Power Input Max./Min		kW	0.98～0.134
COP Max./Min		w/w	7.44～19.82
Heating capacity2 Max./Min	at Air 15℃, Humidity 70%, Water 26℃in	kW	5.55～1.82
Heating Power Input Max./Min		kW	1.08～0.22
COP Max./Min		w/w	5.14～8.28
Cooling capacity Max./Min	at Air 35℃, Water 27℃in	kW	3.21～1.69
Cooling Power Input Max./Min		kW	0.80～0.40
EER Max./Min		w/w	4.01～4.23
Noise level		dB(A)	46
Power Input Max.		kW	1.65
Current Input Max.		A	7.65
Heating Ambient Temperature		℃	-15～43
Cooling Ambient Temperature		℃	15～43
Heating Water side operating temperature		℃	8～40
Cooling Water side operating temperature		℃	28～8
Refrigerant Type／Charge／GWP		kg	R32 /0.35/ 675
CO_2 Equivalent		/	0.2363t
Operation Pressure(Low Side)		MPa	1.60
Operation Pressure(High Side)		MPa	4.15
Maximum Allowable Pressure		MPa	4.40
Electrical Shockproof		/	I
IP Class		/	IPX4
Water Piping Connections		mm	50
Water Pressure Drop		kPa	10
Water Pressure Max		MPa	0.4
Water Flow Rated		m^3/h	2.98
Unit Dimensions (W/H/D)		mm	836*335*594
Shipping Dimensions (W/H/D)		mm	930*400*720
Net Weight		kg	41
Shipping Weight		kg	52

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