SolarEast



Next-Gen Pool Heating Starts Here

9kW pool heat pump features horizontal airflow and a modern look, perfect for stylish outdoor spaces. It uses natural R290 refrigerant with ultra-low GWP for eco-friendly performance.

Full DC inverter technology ensures stable operation, high efficiency, and long service life. With a COP of up to 23, it delivers powerful heating with minimal energy use. Operating noise is as low as 50dB(A), keeping your poolside experience peaceful.

Built-in WiFi enables real-time remote control from your phone. It also supports various wired controllers to suit different needs. The unit is ideal for pools between 20–40m³.

Backed by an efficient IoT solution, this heat pump offers smart system integration and remote diagnostics—making pool management simpler, greener, and more intelligent.

R290 Refrigerant
Ultra-low GWP, safe and eco-friendly for modern users.

Smart WiFi Control
Remote monitoring and control via mobile phone app.

Quiet Operation
50dB(A) noise level ensures peaceful outdoor enjoyment.

Full DC Inverter
Stable performance with better energy-saving efficiency.

Modern Appearance
Eye-catching design with bold color for stylish outdoors.

Perfect Pool Coverage
Fits 20–40m³ pools, ideal for small-medium installations.

High COP up to 23
Strong performance with minimal energy consumption.

IoT Monitoring Running Status
Real-time system integration for smarter pool management

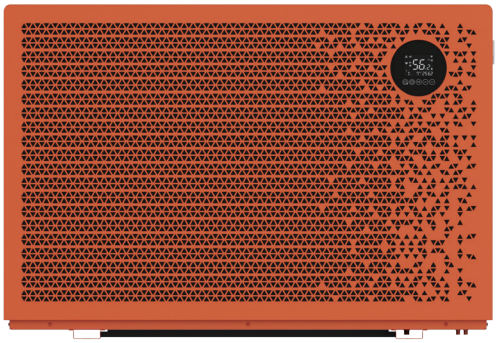
Inverter Technology

swimming pool heat pump

SolarEast

7～23 COP

-15～43℃ Operation Temp.



R290 Eco-friendly

50 dB(A) Low Noise

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

Model			BYC-009TR1
Power Supply			220-240V～/50Hz(60Hz)
Heating capacity1 Max./Min	at Air 26℃, Humidity 80%, Water 26℃in,28℃out	kW	13.65～4.04
Heating Power Input Max./Min		kW	1.79～0.1723
COP Max./Min		w/w	7.63～23.46
Heating capacity2 Max./Min	at Air 15℃, Humidity 70%, Water 26℃in	kW	9.89～3.19
Heating Power Input Max./Min		kW	1.74～0.28
COP Max./Min		w/w	5.68～11.40
Cooling capacity Max./Min	at Air 35℃, Water 27℃in	kW	6.30～3.64
Cooling Power Input Max./Min		kW	1.15～0.43
EER Max./Min		w/w	5.48～8.46
Noise level		dB(A)	50
Power Input Max.		kW	2.15
Current Input Max.		A	9.80
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	R290 /0.60 / 3
CO_2 Equivalent		/	0.0018t
Operation Pressure(Low Side)		MPa	1.10
Operation Pressure(High Side)		MPa	3.00
Maximum Allowable Pressure		MPa	3.00
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	5.60
Unit Dimensions (W/H/D)		mm	1077*718*444
Shipping Dimensions (W/H/D)		mm	1138*888*520
Net Weight		kg	76
Shipping Weight		kg	86

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