



CozyPool Rock

Residential ON/OFF Pool Heat Pump



FOSHAN UWOTEC NEW ENERGY CO., LTD.

Address: 6# Bihu Road, Hecun, Lishui Town, Nanhai, Foshan,
Guangdong Province, CHINA.

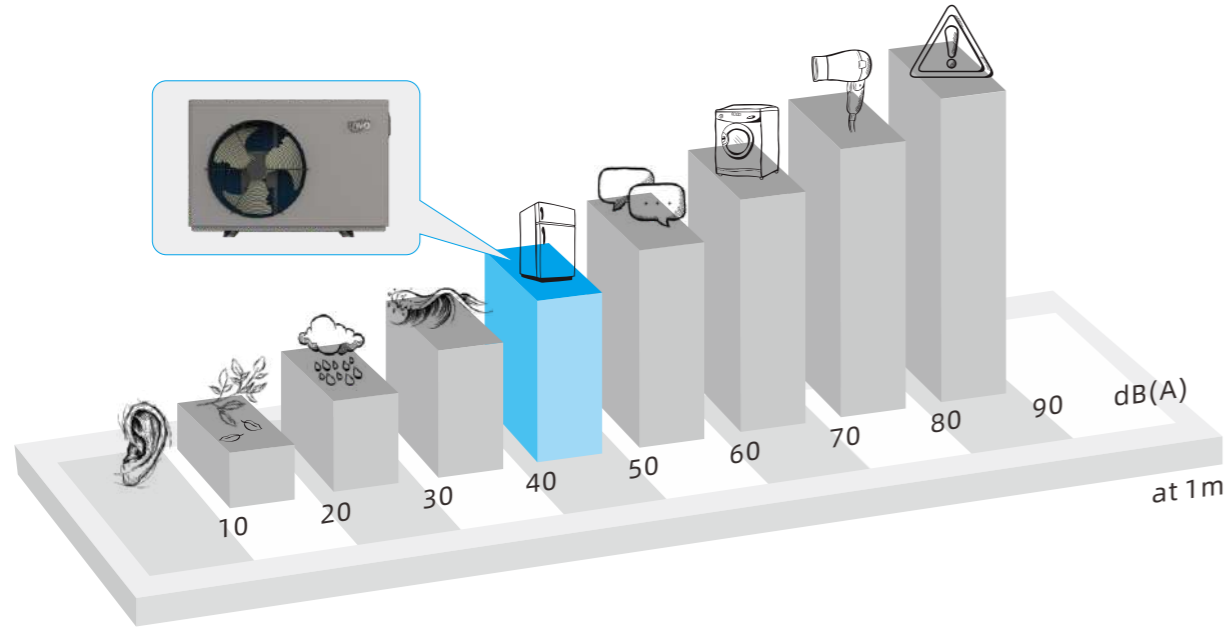
Phone: +86 757 8566 0666 ext. 8513

Email: info@uwo-heatpump.com

Website: www.uwo-heatpump.com

Low Noise

Thanks to the optimal matching of fan blade, motor and gas system, CozyPool Rock can be much more silent during running than traditional ON/OFF pool heat pumps. The noise level can be only 40~50 dB(A) at 1m distance, as low as that of a operating refrigerator.



Smart Control

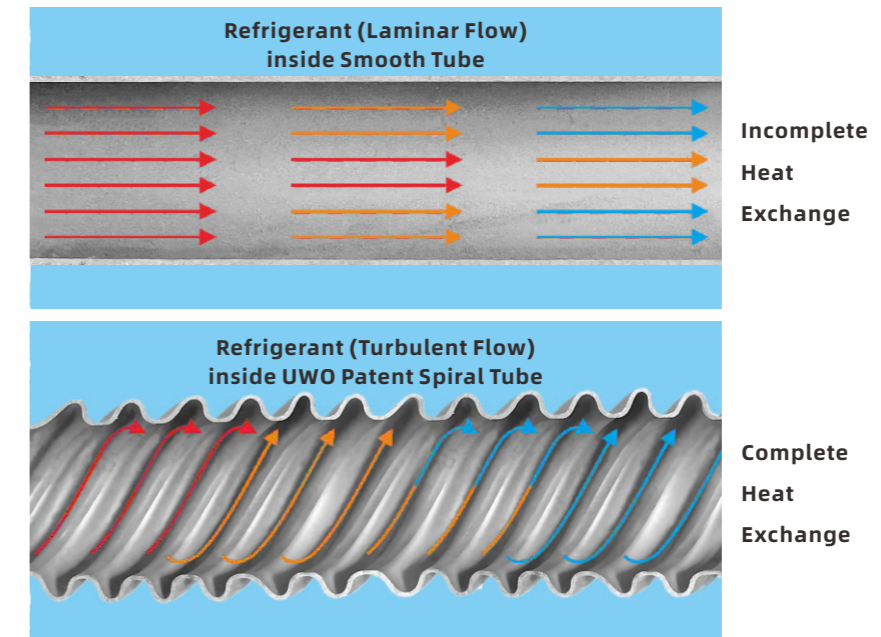
Equipped with international advanced chip and smart control logic, CozyPool Rock has integrated intelligence, safety and convenience. It can realize complete protection function, remote control with RS485 port, precise temperature control by 0.1°C and stable operation even at low ambient temperature by intelligent defrosting.



Max. Heat Exchange

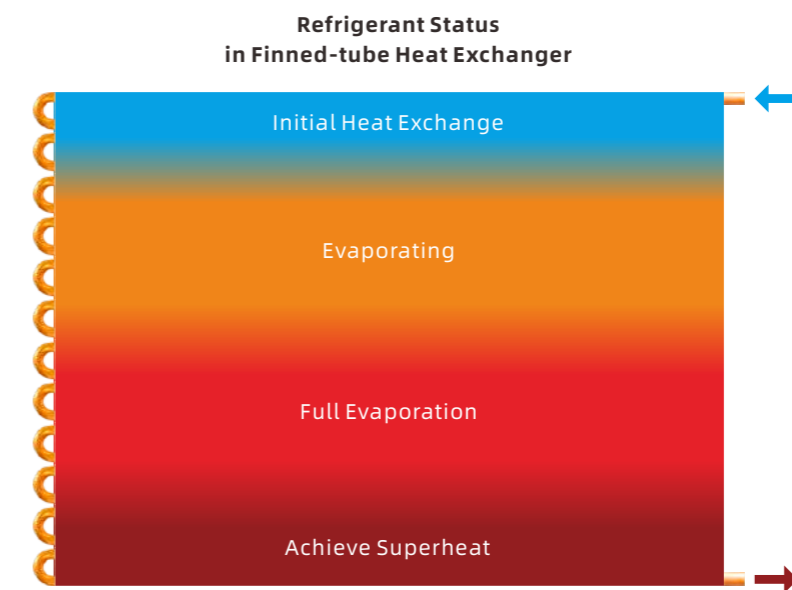
•Water Side

The refrigerant status inside the titanium tubes directly decides the heat exchange rate in the water side. Unlike the smooth tube that has drawback of incomplete heat exchange by laminar flow, the unique UWO patent spiral tube creates turbulent flow inside and thus the heat exchange is much more sufficient.



•Air Side

We take full consideration of all kinds of factors that affect the heat exchange efficiency in the air side such as fin spacing, fin shape, fin thickness, length of copper tube and air volume etc. As a result, the refrigerant is fully evaporated in the finned-tube heat exchanger and a certain degree of superheat is achieved. Therefore, the heat exchange area is fully utilized and the stability of the gas system can be ensured.



Energy Saving

What cannot be left out is that, due to the sustained higher heat exchange efficiency in every operation condition, the CozyPool Rock saves more than 20% than the traditional ON/OFF pool heat pumps regarding the running costs.



Simplified Design

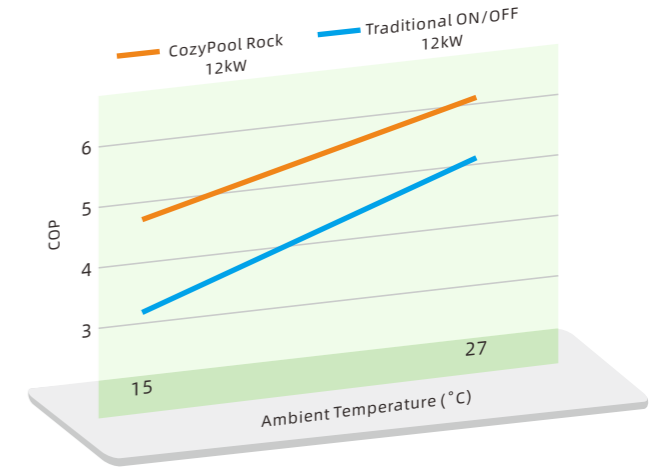
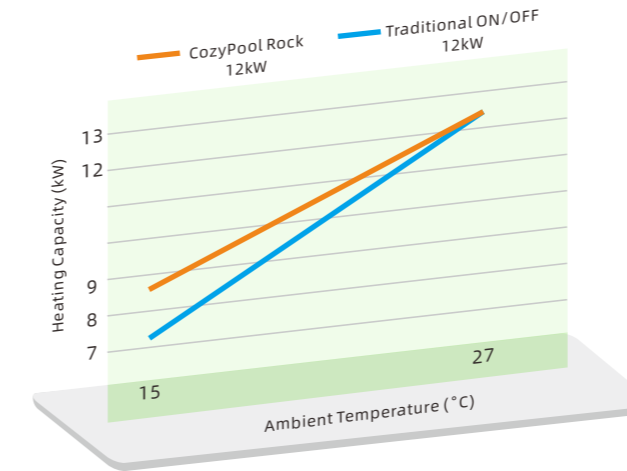
The concept "less is more" is perfectly embodied by CozyPool Rock with its simplified design. The screw-less style features for easy installation and disassembly, integrating aesthetics, engineering mechanics and practical applications with more versatile possibilities. The diverse requirements can be met in terms of customization of appearance, including materials, shapes and colors of casing.

Simple but *Creative*



Maintain Excellent Performance

CozyPool Rock maintains superior to the traditional ON/OFF pool heat pumps in terms of both heating capacity and COP. Undaunted by changes in ambient temperature, CozyPool Rock always provides the users with a reliable and comfortable pool experience.



Smart APP Control

Controlling and checking of the operation for CozyPool Rock can be easily fulfilled on a smartphone whenever and wherever due to the equipped WiFi function with user-friendly app.



Parameters

| Factory Model No. | USP | 30R3 | 60R3 | 90R3 | 120R3 | 140R3 | 160R3 | 180R3 |
|--|-------------------|----------------|-------|-------------|-------|-------|-------------|-------|
| Advised Pool Volume | m ³ | 5~15 | 10~25 | 20~45 | 30~55 | 35~65 | 40~70 | 40~80 |
| Performance Condition: Air Temp.: 27°C, Inlet / Outlet Water Temp.: 26°C / 28°C, Humidity 80% | | | | | | | | |
| Heating Capacity | kW | 3.31 | 6.10 | 9.36 | 12.40 | 14.10 | 16.30 | 18.10 |
| Power Consumption | kW | 0.54 | 1.00 | 1.52 | 2.03 | 2.30 | 2.64 | 3.02 |
| COP | W/W | 6.12 | 6.10 | 6.15 | 6.10 | 6.13 | 6.17 | 6.00 |
| Performance Condition: Air Temp.: 15°C, Inlet Water Temp.: 26°C, Humidity 70% | | | | | | | | |
| Heating Capacity | kW | 2.81 | 4.52 | 6.98 | 8.62 | 10.50 | 11.10 | 13.20 |
| Power Consumption | kW | 0.59 | 0.96 | 1.49 | 1.83 | 2.23 | 2.37 | 2.79 |
| COP | W/W | 4.76 | 4.70 | 4.68 | 4.71 | 4.70 | 4.68 | 4.73 |
| Power Supply | / | 220-240V~/50Hz | | | | | | |
| Operating Air Temp. | °C | -7~43 | | | | | | |
| Refrigerant | / | R32 / R410A | | | | | | |
| Water Connection | mm | 50 | | | | | | |
| Noise Level (1m) | dB(A) | 47 | 48 | 50 | 52 | 53.5 | 54.5 | 56 |
| Advised Water Flow | m ³ /h | 1.5 | 2.6 | 4.0 | 5.3 | 6.1 | 7.0 | 7.8 |
| Water Pressure Drop | kPa | 8 | 10 | 15 | 16 | 17 | 17 | 18 |
| Net Dimension (LxWxH) | mm | 681x299x488 | | 911x367x603 | | | 986x400x650 | |

*The above data are subject to modify based on continuous improvement without advance notice. Please refer to those on real unit, and thanks for your attention to the latest version.

