



FOSHAN UWOTEC NEW ENERGY CO., LTD.

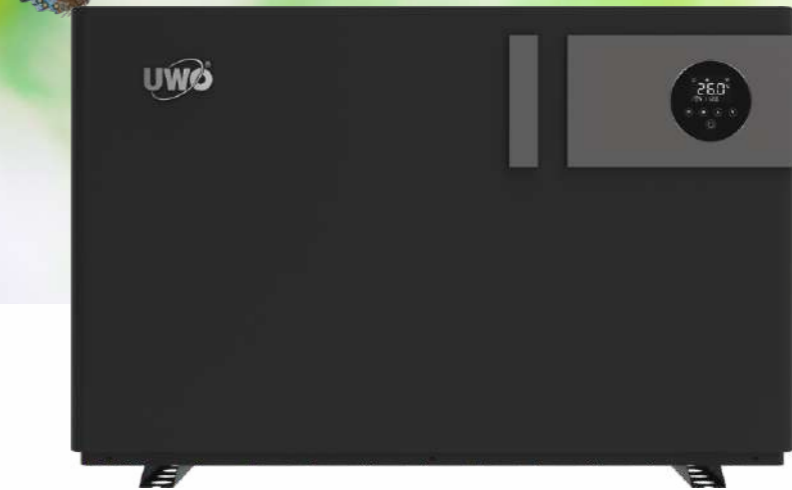
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VariPool Wonder

Residential Full Inverter Pool Heat Pump

R290



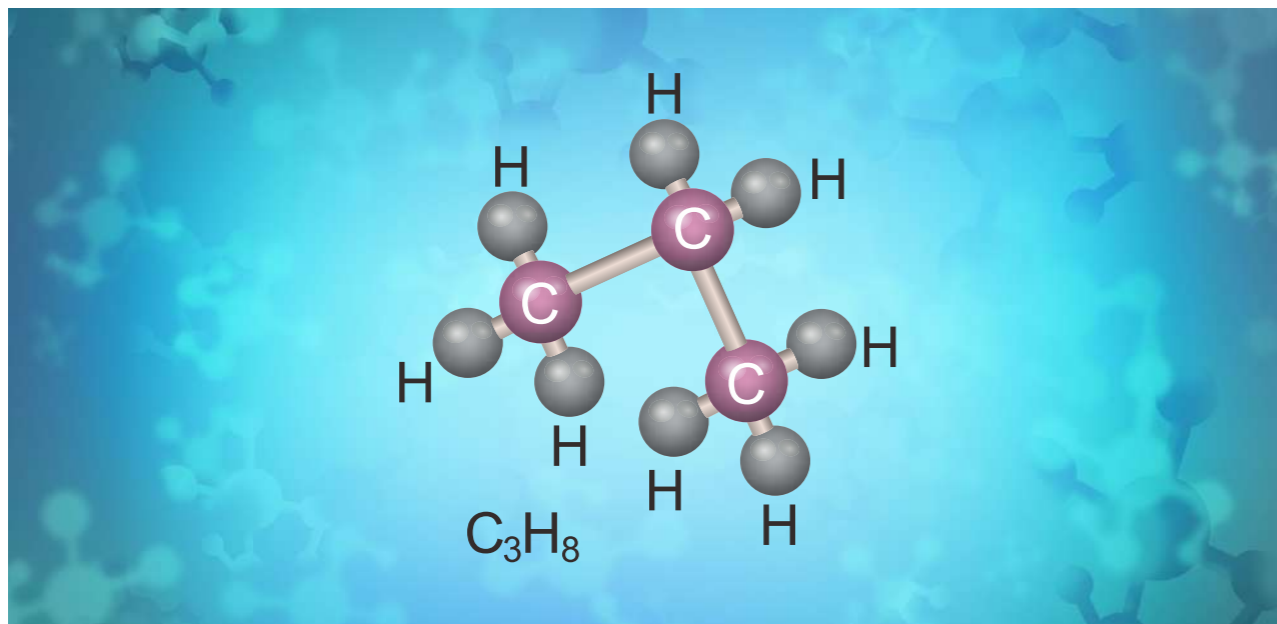
Most Environmental Friendly

R290 is a new generation of environmentally friendly refrigerant with excellent eco-protection performance. With the ODP of 0 and GWP of only 3, it will not damage the ozone layer even if the gas is dissipated into the atmosphere, and result in a relatively small greenhouse effect, making it one of the refrigerants with the least impact on the environment at present.



Features of R290

R290 has small molecular weight, high flowability, good thermal performance and large cooling capacity per unit volume. The low isentropic compression work makes the compressor work easier and helps to extend its life.



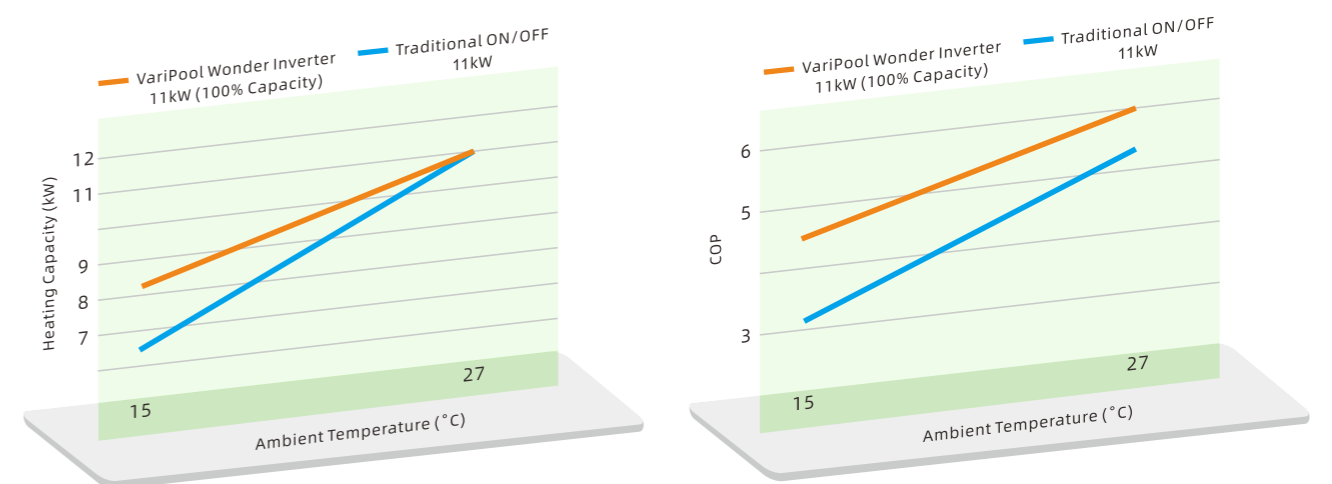
Four Season Running

Combined with refrigerant R290, highly efficient heat exchange technology and advanced full inverter control solution, the VariPool Wonder is capable of stable operation in cold weather down to -25°C , extending your swimming season to all year round.



Maintain Excellent Performance

Different working conditions, same excellent performance. In the recommended operating temperature range, VariPool Wonder always maintains a higher heating capacity and COP than traditional ON/OFF pool heat pump, providing you with a quality swimming experience at all times.



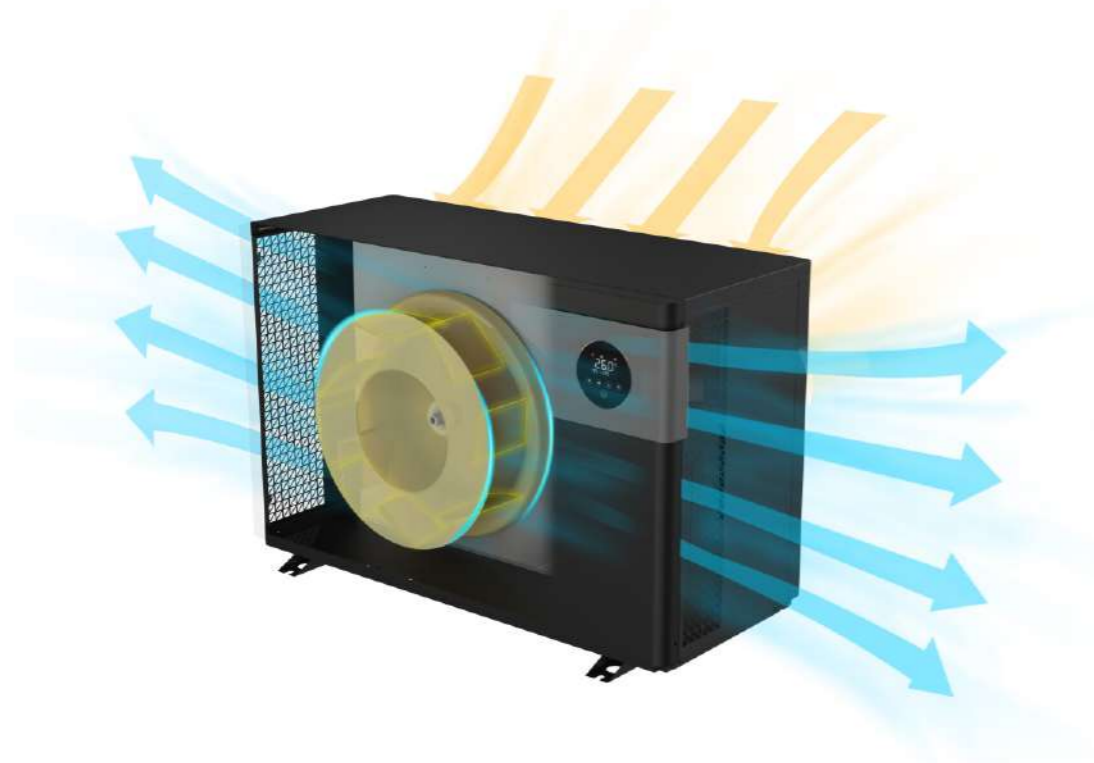
Ultra Quiet Operation

Operating noise is one of the indicators of the quality of a pool heat pump. An operating sound of VariPool Wonder is as low as 34 dB(A) at one meter, comparable to the sound produced by waves lapping the beach on a calm day.



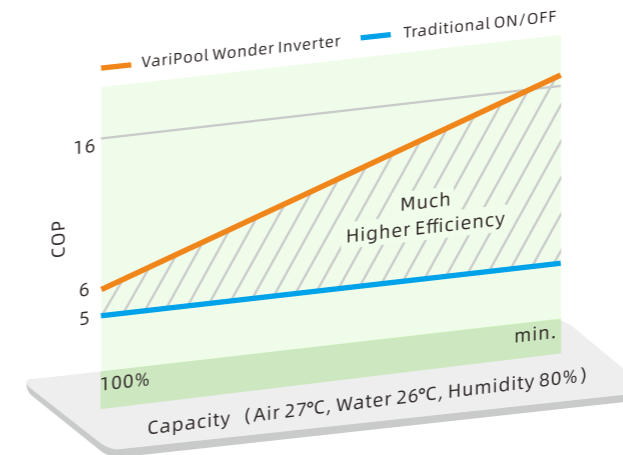
Patented Airflow Design

The unique airflow design and centrifugal fan of VariPool Wonder contribute to its quiet operation. Such way of air inlet and outlet can prevent the user from being blown directly by the cold air when operating the controller, which further enhances the user experience.



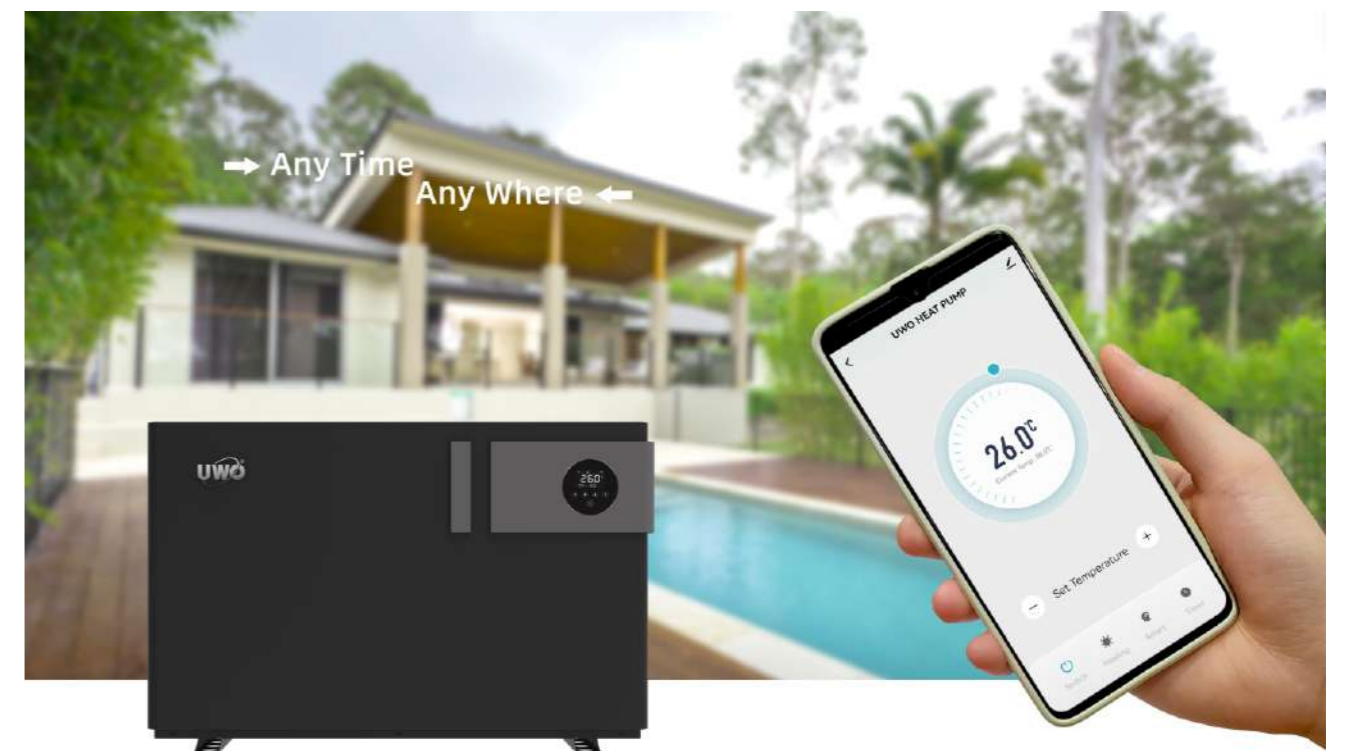
High Efficiency & Double Saving

VariPool Wonder reaches a maximum COP of 16 thanks to cutting-edge full inverter technology and a reliable electronic control system. It demonstrates a greater working efficiency at all times and saves up to 100% of the operating costs compared to a conventional ON/OFF pool heat pump.



Smart APP Control

The built-in WiFi function allows users to connect, monitor and control of the pool heat pump simply through the smart app, which significantly enhances the convenience of usage.



Parameters (9~18kW)

Factory Model No.	USP	90R2V-B1	110R2V-B1	150R2V-B1	180R2V-B1
Power Supply	/	220-240V~/50Hz			
Advised Pool Volume	m ³	20~45	30~55	40~70	40~80
Performance Condition: Air Temp.: 27°C, Inlet / Outlet Water Temp.: 26°C / 28°C, Humidity 80%					
Heating Capacity	kW	2.60~9.12	3.07~11.05	4.26~15.15	5.07~18.07
Power Consumption	kW	0.16~1.49	0.19~1.83	0.26~2.46	0.31~2.98
COP	W/W	16.25~6.12	16.16~6.04	16.38~6.15	16.35~6.06
Performance Condition: Air Temp.: 15°C, Inlet Water Temp.: 26°C, Humidity 70%					
Heating Capacity	kW	1.83~6.84	2.43~8.18	3.09~11.28	4.06~13.33
Power Consumption	kW	0.24~1.48	0.32~1.81	0.40~2.49	0.53~2.97
COP	W/W	7.63~4.62	7.59~4.51	7.73~4.53	7.66~4.48
Operating Air Temp.	°C	-25~43			
Refrigerant	/	R290			
Fan Motor Type	/	DC			
Water Connection	mm	50			
Noise Level (1m)	dB(A)	34~44.5	35.5~45.5	38~47	38.5~47.5
Advised Water Flow	m ³ /h	4.0	5.0	6.5	8.0
Water Pressure Drop	kPa	13	15	18	20

*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.



Parameters (21~28kW)

Factory Model No.	USP	210R2V-B1	250R2V-B1	280R2V-B1	210R2TV-B1	250R2TV-B1	280R2TV-B1
Power Supply	/	220-240V~/50Hz			380-415V/3N~/50Hz		
Advised Pool Volume	m ³	50~95	55~110	60~120	50~95	55~110	60~120
Performance Condition: Air Temp.: 27°C, Inlet / Outlet Water Temp.: 26°C / 28°C, Humidity 80%							
Heating Capacity	kW	6.05~21.18	7.30~25.11	7.76~28.02	6.12~21.15	7.33~25.14	7.79~28.03
Power Consumption	kW	0.37~3.44	0.45~4.15	0.48~4.60	0.38~3.45	0.45~4.14	0.48~4.59
COP	W/W	16.35~6.16	16.22~6.05	16.17~6.09	16.11~6.13	16.29~6.07	16.22~6.11
Performance Condition: Air Temp.: 15°C, Inlet Water Temp.: 26°C, Humidity 70%							
Heating Capacity	kW	4.19~14.40	5.04~17.13	5.20~18.51	4.20~14.43	5.12~17.16	5.19~18.53
Power Consumption	kW	0.55~3.20	0.66~3.79	0.68~4.07	0.55~3.21	0.67~3.78	0.68~4.05
COP	W/W	7.62~4.50	7.64~4.52	7.65~4.55	7.64~4.50	7.64~4.54	7.63~4.57
Operating Air Temp.	°C	-25~43					
Refrigerant	/	R290					
Fan Motor Type	/	DC					
Water Connection	mm	50					
Noise Level (1m)	dB(A)	39~49.5	40~50	41~50.5	39~49.5	40~50	41~50.5
Advised Water Flow	m ³ /h	9.5	11.0	12.0	9.5	11.0	12.0
Water Pressure Drop	kPa	35	35	38	35	35	38

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