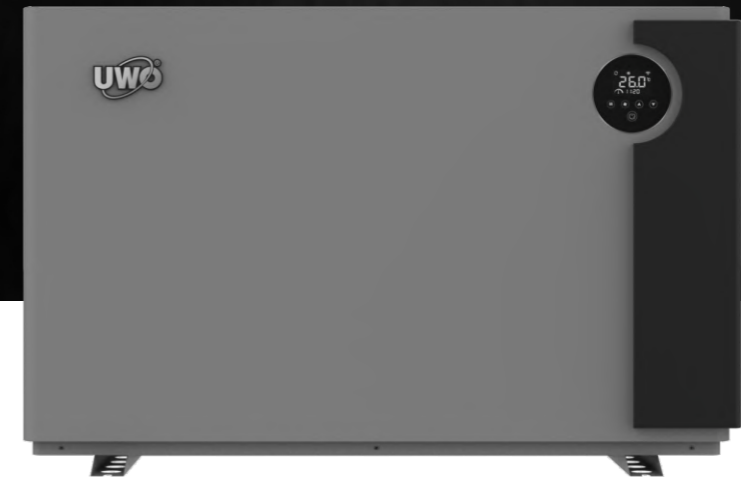




VariPool Beyond

Full Inverter Pool Heat Pump



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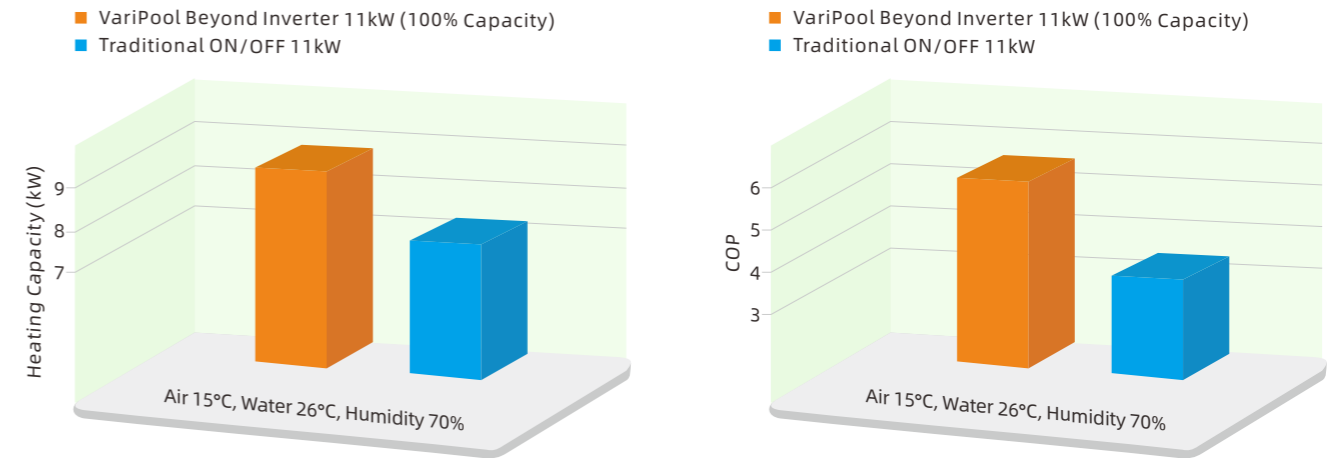
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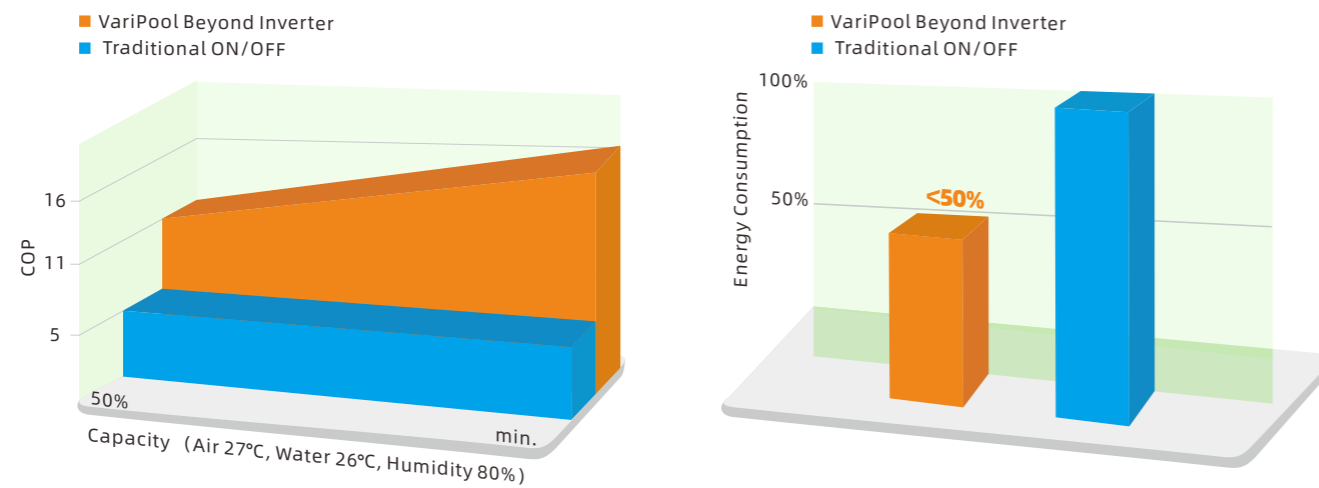
Maintain Excellent Performance

Even under harsh operating conditions, the VariPool Beyond can still maintain excellent performance for stable operation. When the ambient temperature becomes 15°C, its heating capacity and COP are both much higher than those of traditional on/off heat pumps, making sure your swimming hours won't be cut down by dropping air temperature.



Max. COP 16

VariPool Beyond features ultra-high energy efficiency. Thanks to the latest full inverter technology and an optimally configured internal system, it achieves a maximum COP of 16 while remaining COP of 11 at 50% capacity. Compared to traditional ON/OFF pool heat pump, it presents a superior operating efficiency at all times and only requires less than 50% of the power consumption.



Precise & Mature Control

Precise and mature electric control is an essential part of assuring a comfortable user experience. Thanks to such advanced control logic, VariPool Beyond can accurately adjust its operating power according to the environment and the water temperatures. Combined with the full inverter technology, the pool water is maintained at a relatively constant temperature range with small fluctuations, and energy-saving, low-noise and reliable running can be ensured.

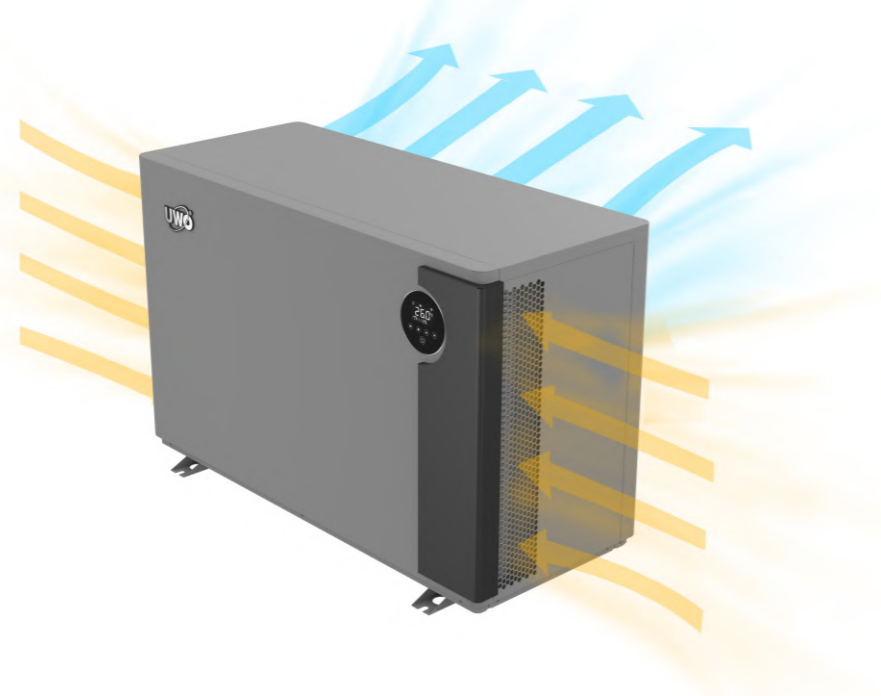
LEADING CONTROL LOGIC

for Premium User Experience
with High Efficiency, Silent Operation
and Stable Performance



Backward Airflow Design

VariPool Beyond is designed with superior back-discharge airflow. The air is absorbed from both sides of the unit and released from its back. By such technology, it can greatly reduce the operation noise, and avoid the cold wind blowing directly to people in the front, which remarkably enhance the user experience.



Screw Less Structure

In terms of overall body, the VariPool Beyond adopts a screw less design. The metal panels of the unit is installed together by snap joints that ensures the stable assembly while eliminating screws. As a whole, the unit looks simple but stylish. The square and hard lines are more in line with the aesthetic needs of modern people. Moreover, it is more convenient for users to assemble and disassemble when in need.



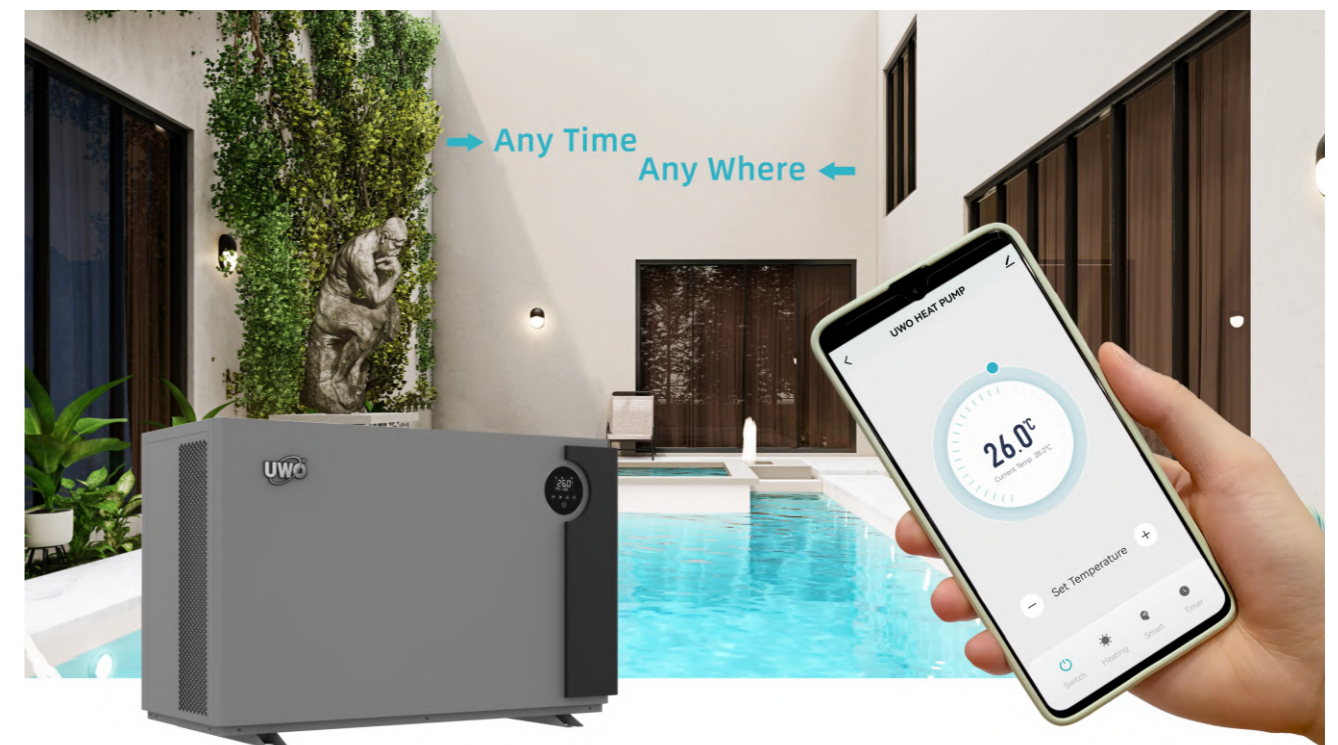
Advanced Wire Controller

Unlike the normal wire controllers that commonly seen on market, the one being used in VariPool Beyond is upgraded based on abundant users' feedback and multiple times of usage scenario stimulation. A total of 12 pre-set working modes are more tailored to the actual needs for customers.



Smart App Control

Combined with the Wi-Fi chip and mobile app, checking or commanding the pool heat pump are available at any time and any where, which truly extend the smart life to the poolside.



Parameters (7~18kW)

Factory Model No.	USP	70R3V-B2	90R3V-B2	110R3V-B2	130R3V-B2	150R3V-B2	180R3V-B2
Advised Pool Volume	m ³	15~30	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	1.93~7.21	1.95~9.35	2.95~11.46	3.22~13.18	3.61~15.51	4.53~18.24
Power Consumption	kW	0.12~1.13	0.12~1.41	0.18~1.80	0.20~2.10	0.22~2.46	0.28~2.90
COP	W/W	16.08~6.38	16.25~6.63	16.38~6.36	16.10~6.27	16.40~6.30	16.17~6.28
Performance Condition: Air Temp.: 15°C, Inlet Water Temp.: 26°C, Humidity 70%							
Heating Capacity	kW	1.51~5.52	1.68~7.33	2.39~8.51	2.60~10.28	2.77~11.39	3.58~13.28
Power Consumption	kW	0.18~1.05	0.20~1.40	0.29~1.59	0.32~1.97	0.33~2.12	0.44~2.48
COP	W/W	8.38~5.25	8.40~5.24	8.24~5.35	8.12~5.22	8.39~5.37	8.13~5.35
Power Supply	/	220-240V~/50Hz					
Operating Air Temp.	°C	-10~43					
Refrigerant	/	R32 / R410A					
Compressor	/	Mitsubishi					
Fan Motor Type	/	DC					
Water Connection	mm	50					
Noise Level (1m)	dB(A)	35~44.5	35.5~46	36.5~47	38~47.5	38.5~48.5	40~49
Advised Water Flow	m ³ /h	3.1	4.1	5.0	5.7	6.6	7.8
Water Pressure Drop	kPa	10	13	15	16	18	20
Net Dimension (LxWxH)	mm	710x450x510	750x520x620		860x520x660		900x520x756

*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	210R3V-B2	250R3V-B2	280R3V-B2	210R3TV-B2	250R3TV-B2	280R3TV-B2
Advised Pool Volume	m ³	50~95	55~110	65~120	50~95	55~110	65~120
Performance Condition: Air Temp.: 27°C, Inlet / Outlet Water Temp.: 26°C / 28°C, Humidity 80%							
Heating Capacity	kW	4.71~21.24	5.32~25.28	5.60~28.40	4.72~21.26	5.34~25.29	5.61~28.42
Power Consumption	kW	0.29~3.37	0.33~3.96	0.34~4.51	0.29~3.38	0.33~3.96	0.34~4.50
COP	W/W	16.24~6.30	16.12~6.38	16.47~6.29	16.27~6.28	16.18~6.38	16.50~6.31
Performance Condition: Air Temp.: 15°C, Inlet Water Temp.: 26°C, Humidity 70%							
Heating Capacity	kW	3.63~14.41	3.65~17.38	4.39~18.77	3.64~14.43	3.68~17.40	4.41~18.78
Power Consumption	kW	0.42~2.73	0.44~3.33	0.52~3.36	0.42~2.73	0.44~3.34	0.52~3.35
COP	W/W	8.64~5.27	8.29~5.21	8.44~5.58	8.66~5.28	8.36~5.20	8.48~5.60
Power Supply	/	220-240V~/50Hz			380-415V/3N~/50Hz		
Operating Air Temp.	°C	-10~43					
Refrigerant	/	R32 / R410A					
Compressor	/	Mitsubishi					
Fan Motor Type	/	DC					
Water Connection	mm	50					
Noise Level (1m)	dB(A)	40~50.5	40.5~51	41~52	40~50.5	40.5~51	41~52
Advised Water Flow	m ³ /h	9.2	10.9	12.2	9.1	10.9	12.2
Water Pressure Drop	kPa	35	35	38	35	35	38
Net Dimension (LxWxH)	mm	900x520x756	1100x580x800		900x520x756	1100x580x800	

*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.

