

## Parameters

Factory Model No.	UHC	90R3V	130R3V	130R3TV	180R3TV	230R3TV
Power Supply	/	220-240V~/50Hz		380-415V/3N~/50Hz		
Refrigerant	/	R32				
<b>&lt;Space Heating&gt; Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 30°C/35°C</b>						
Max. Heating Capacity	kW	9.12	13.12	13.15	18.25	23.20
Max. Heating Power Input	kW	2.02	3.04	3.03	4.11	5.21
Max. Heating Current Input	A	8.78	13.22	4.85	6.57	8.33
<b>&lt;Hot Water&gt; Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature Circulating from 15°C to 55°C</b>						
Max. Heating Capacity	kW	7.29	10.58	10.61	14.75	18.61
Max. Heating Power Input	kW	2.25	3.29	3.28	4.51	5.93
Max. Heating Current Input	A	9.78	14.30	5.25	7.21	9.48
<b>&lt;Space Cooling&gt; Ambient Temperature (DB/WB): 35°C/24°C, Water Temperature (Inlet/Outlet): 12°C/7°C</b>						
Max. Cooling Capacity	kW	6.84	8.31	8.33	11.54	14.64
Max. Cooling Power Input	kW	2.38	3.33	3.32	4.05	5.14
Max. Cooling Current Input	A	10.35	14.48	5.31	6.48	8.22
Operating Ambient Temperature	°C	-20~43				
Max. Leaving Water Temperature	°C	60				
Max. Power Input	kW	3.0	4.2	4.2	5.0	5.3
Max. Current Input	A	12.9	18.1	6.6	8.0	8.5
Compressor	/	Panasonic (DC Inverter)				
Plate Heat Exchanger	/	SWEP				
Fan Motor	/	KAIBANG - GREE (DC Inverter)				
Electronic Expansion Valve	/	SANHUA				
Four-way Valve	/	SANHUA				
Wired Controller	/	Colored Touch Screen				
ErP Class (35°C)	/	A+++	A+++	A+++	A+++	A+++
ErP Class (55°C)	/	A++	A++	A++	A++	A++
Sound Pressure (1m)	dB(A)	≤51	≤53	≤53	≤56	≤57
Water Connection	inch	1				
Advised Water Flow	m³/h	1.5	2.3	2.3	3.2	4.0
Water Pressure Drop	kPa	30.0	33.0	33.0	34.0	43.0

\*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.



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# VariWarm Prime



R32 Full Inverter  
Air to Water Heat Pump



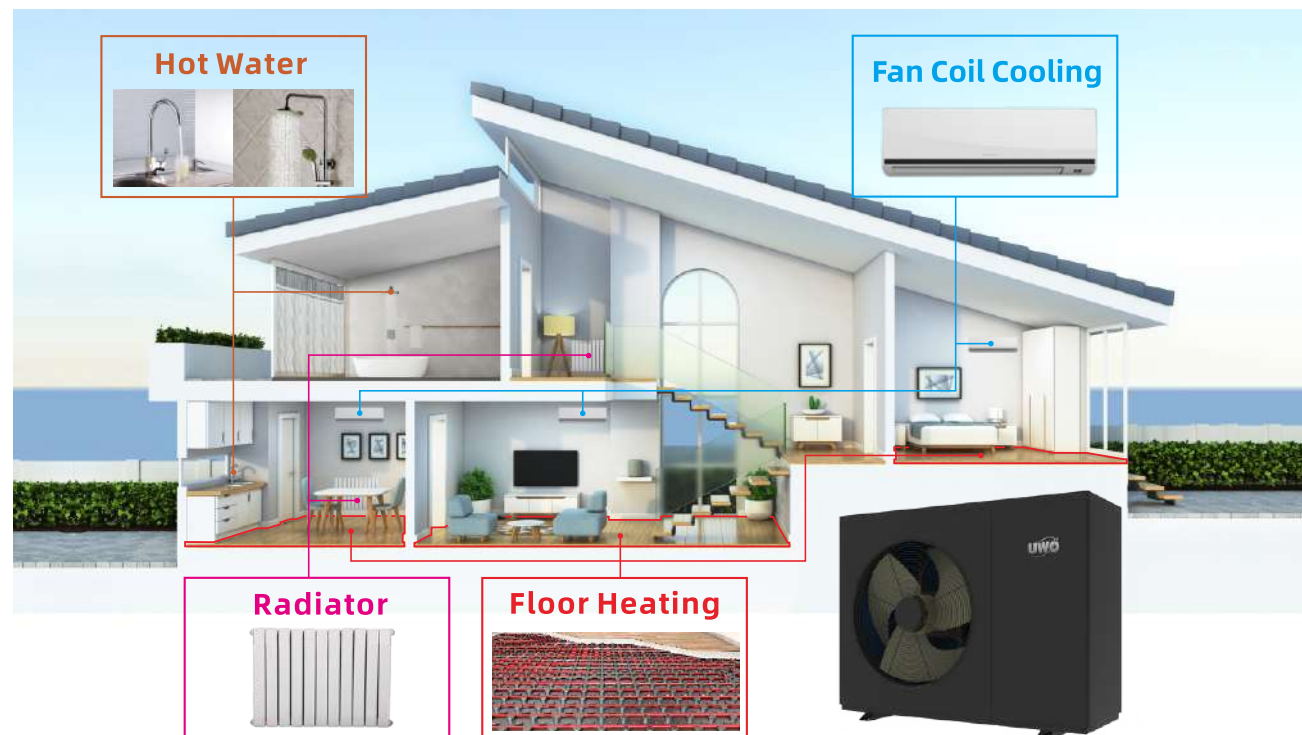
## Economic Green Refrigerant

Using R32 refrigerant, VariWarm Prime is considered as an affordable choice for the general public because of its well balance in terms of safety, environmental impact, efficiency and cost effectiveness.



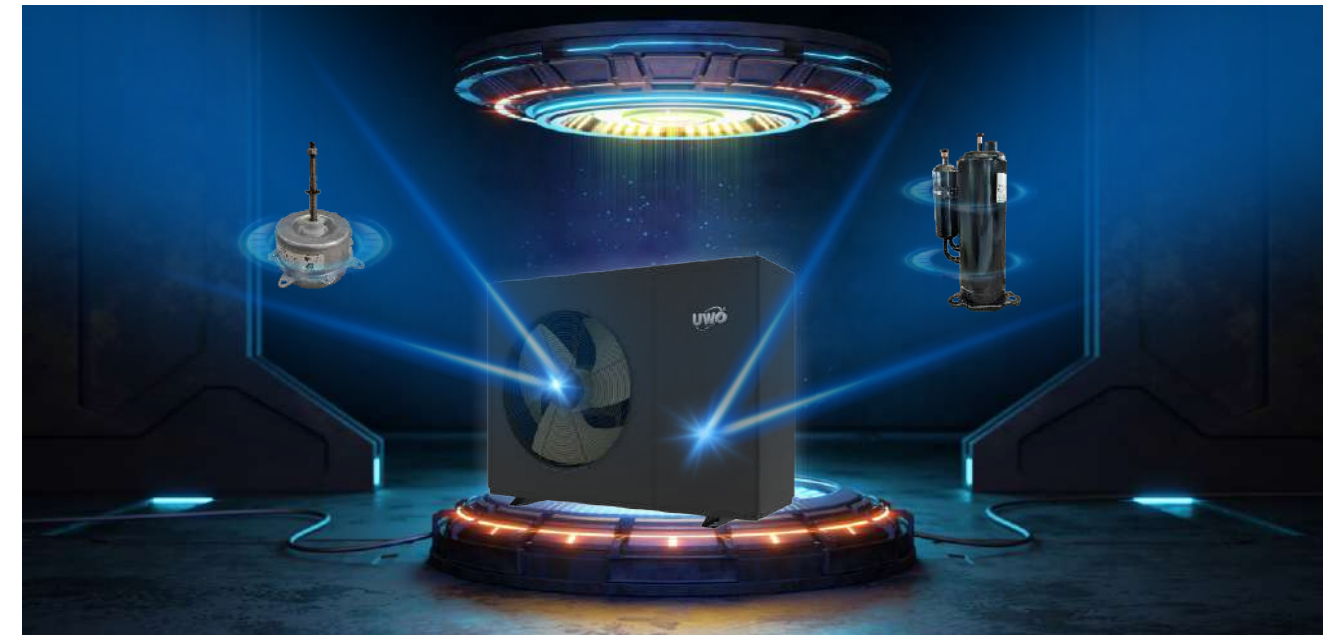
## Multiple Usage Scenario

To meet the demands of various applications, the VariWarm Prime has the ability to be used as a comprehensive solution for heating of underfloor, radiator and fan coil cooling as well as for hot water.



## Full Inverter Technology

Improving energy efficiency is a major trend in today's home appliances, especially for heat pumps that require long-term running. The compressor and motor of the unit both adopt DC inverter technology to maximize unit performance and reduce energy consumption at the same time.



## A+++ Energy Efficiency

Energy saving should not only be a slogan. Thanks to the full inverter technology and scientific component configurations, the VariWarm Prime has a product energy rating of up to A+++ , significantly saving the running costs for users.





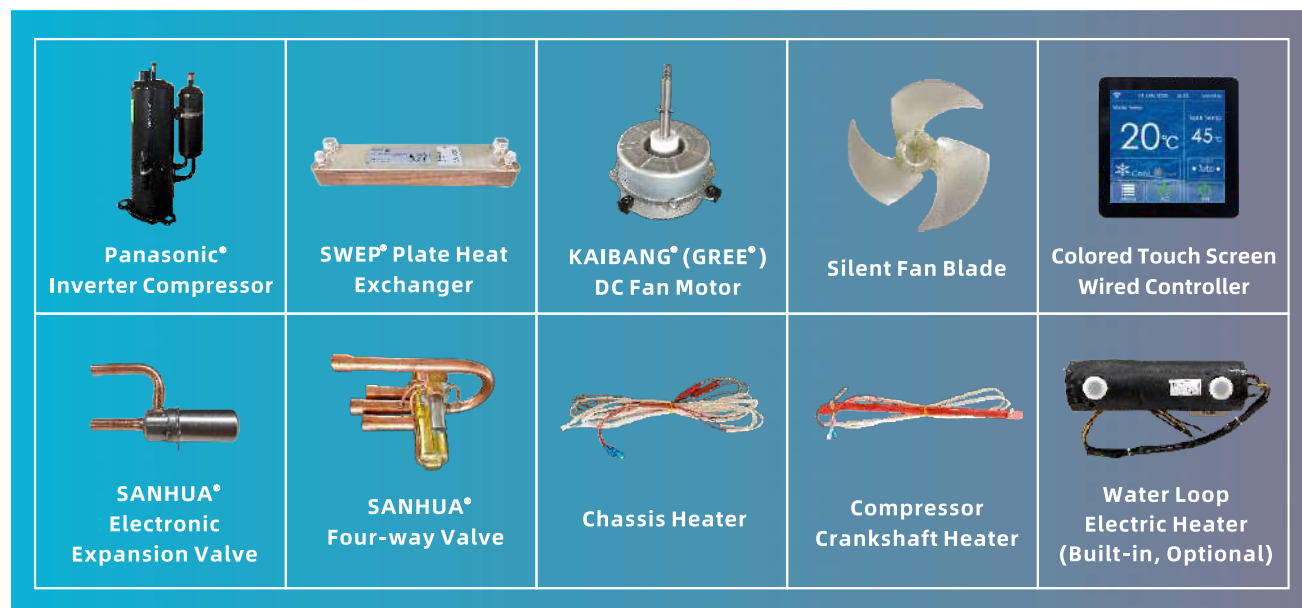
## Quiet User Experience

An advanced noise reduction technology has been used to lower the unit's operating noise level. Without disturbing people's daily lives, it can be as low as the level of common domestic appliances such as refrigerators.



## Key Component List

In order to ensure product quality, the main components of UWO heat pumps come from top-quality national/international suppliers and the heat pump is manufactured in strict accordance with the highest quality standards, so as to realize the best and stable performance of the heat pump.



## Smart Control Solution

There are 15 languages available for the wired controller of VariWarm Prime. Users can switch between different modes, select various functions and set schedule at their will. Through Wi-Fi connection and modbus remote control module, users can monitor and operate the unit at anytime and anywhere. Furthermore, climate curve control and SG ready are also equipped to the unit.

