



VariWarm Might

Commercial Air to Water Heat Pump



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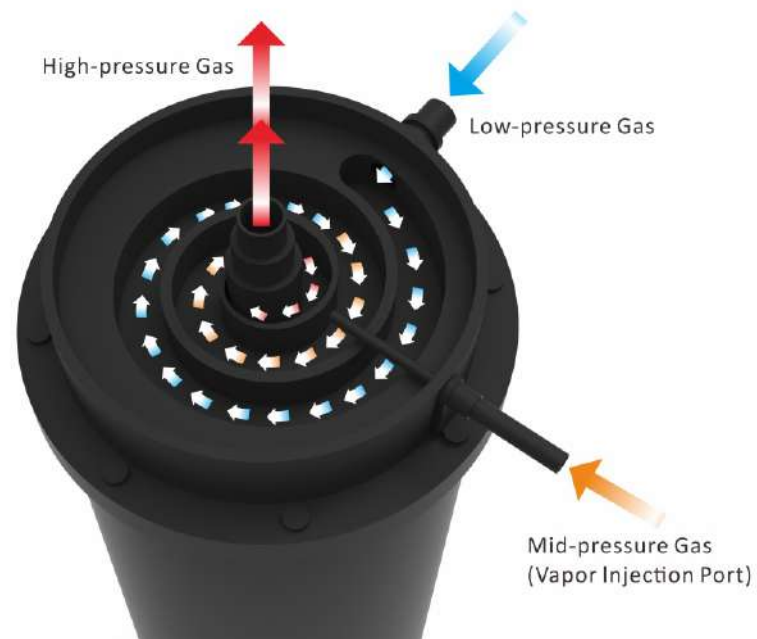
Multiple Commercial Applications

VariWarm Might can meet the heating/cooling and domestic hot water requirements of different commercial scenarios such as hotels, shopping malls, office buildings, school dormitories, factories, warehouses, farms, etc., due to its large capacity output, various power options and good performance.



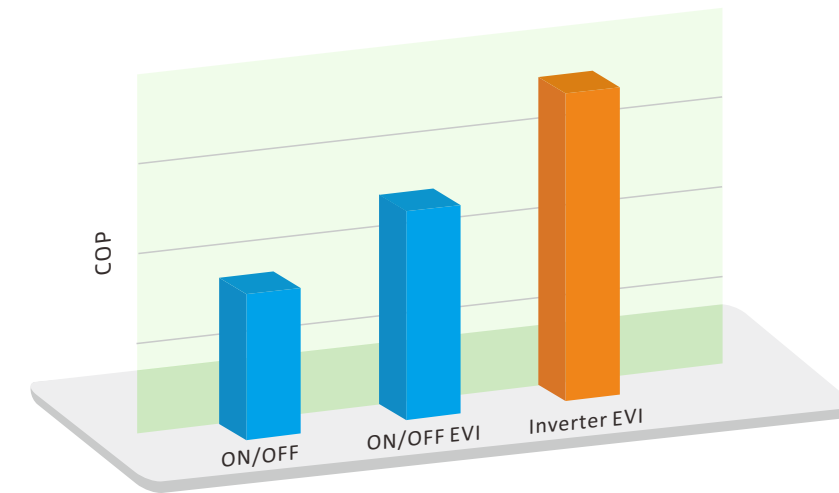
Inverter EVI Technology

The Enhanced Vapor Injection (EVI) technology is an advanced system consisting of a jet enthalpy compressor, enthalpy-injected technology, and a high-efficiency cooler, which work together to provide super-efficient performance. Combined with inverter technology, the heat pump is able to run safely, efficiently and stably even in extremely low ambient temperatures.



Much Higher Efficiency

The compressor is the core component that causes the difference in heating performance, and the inverter and EVI technology are the two major tools to ensure the stable and efficient operation of the compressor in a low-temperature environment. At the same condition, the COP of a heat pump equipped with EVI technology is generally higher than that of an ordinary ON/OFF heat pump. And the EVI heat pump with inverter technology is with even much higher COP.



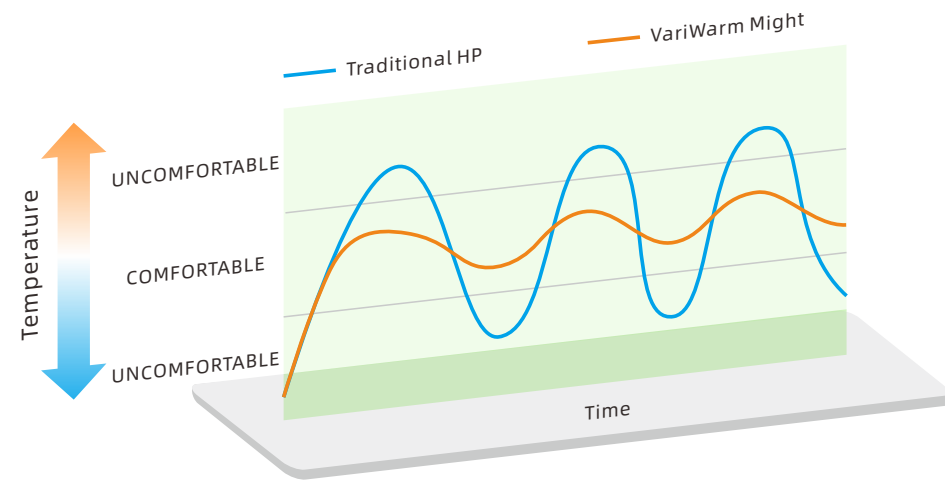
Extreme Condition Running

Backed by both inverter technology and EVI system, the VariWarm Might is able to run efficiently and continuously in cold environments down to -35°C , keeping your business running as usual even in the cold weather.



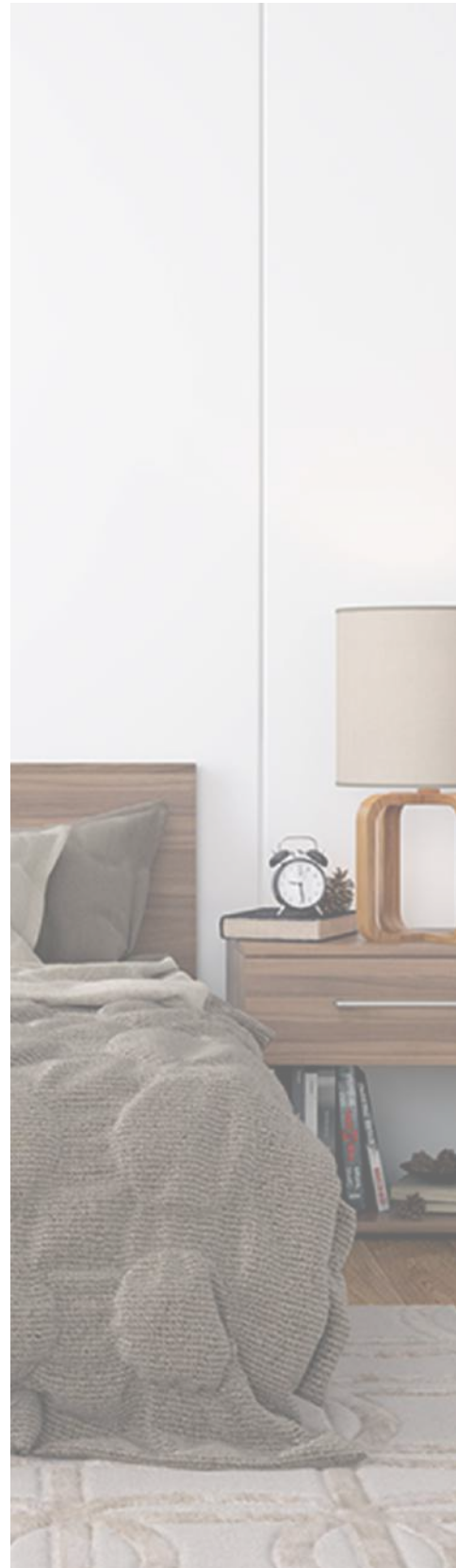
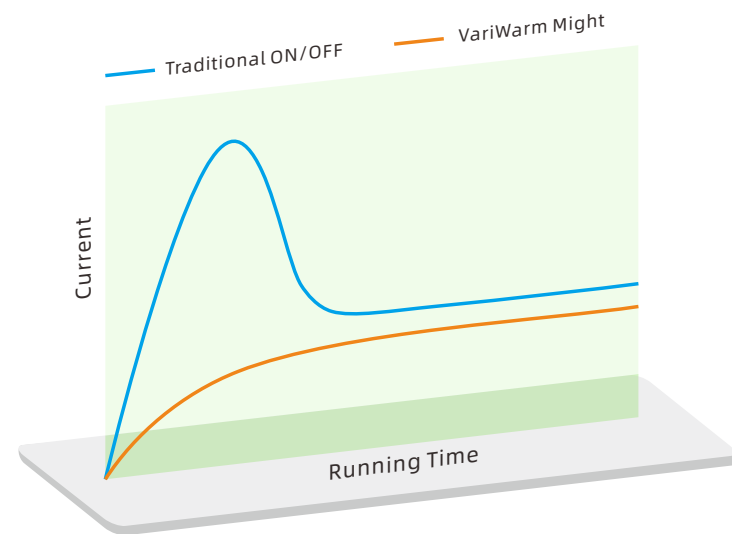
Comfortable User Experience

Full inverter technology can automatically adjust the running speed of the compressor and fan motor according to the ambient temperature and user needs, so that the temperature of outlet water from the heat pump is maintained at a relatively comfortable level for the human body with a small fluctuation. The smaller the fluctuation of water temperature, the more comfortable the user feels.



Soft Starting

The conventional ON/OFF heat pumps can start up abruptly and run the long-term danger of harming the electrical system. In contrast, VariWarm Might starts with less than 30% of the required current and ramps up gradually. As a result, the electricity grid's stability won't be impacted.



Parameters

Factory Model No.	UHC	450R4TVE-U	1100R4TVE-U	1500R4TVE-U
<Space Heating> Ambient Temperature (DB/WB): 7°C/6°C, Water Temperature (Inlet/Outlet): 40°C/45°C				
Max. Heating Capacity	kW	45.53	113.62	152.44
Max. Heating Power Input	kW	16.25	35.50	52.55
Max. Heating Current Input	A	24.7	53.9	79.8
<Hot Water> Ambient Temperature (DB/WB): 20°C/15°C, Water Temperature from 15°C to 55°C				
Max. Heating Capacity	kW	47.25	116.61	154.85
Max. Heating Power Input	kW	10.21	25.08	33.66
Max. Heating Current Input	A	15.5	38.1	51.1
<Space Cooling> Ambient Temperature (DB/WB): 35°C/24°C, Water Temperature (Inlet/Outlet): 12°C/7°C				
Max. Cooling Capacity	kW	26.76	66.04	89.12
Max. Cooling Power Input	kW	13.24	32.21	42.43
Max. Cooling Current Input	A	20.1	48.9	64.5
Power Supply	/	380-415V/3N~/50Hz		
Operating Ambient Temperature	°C	-35~43		
Refrigerant	/	R410A		
Water Connection	mm	DN40	DN65	DN80
Noise Level (1m)	dB(A)	63	68	69
Max. Power Input	kW	20.3	44.3	65.6
Max. Current Input	A	30.8	67.3	99.7
Advised Water Flow	m³/h	7.8	19.5	26.2
Water Pressure Drop	kPa	52	73	81
Net Dimension (LxWxH)	mm	1300x450x1500	1180x1105x2150	2355x1105x2400

*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.

