

DC Inverter Heat pump	
Model	Orion Pro Line HP 8KW-1F
Power supply	230 V ~ / 50Hz-60Hz
Heating capacity *	3,7 - 7,4kW
Input power*	0,79 - 2,10kW
Heating capacity **	3,3 - 8,3kW
Input power**	0,64 - 2,18kW
Cooling capacity	2,4 - 5,8kW
Cooling input power	0,79 - 2,19kW
Current	2,9 - 10,0A
Refrigerant	R290 /700g
GWP/CO2	3/2,1kg
Max operating pressure	3,2MPa
Electric shock rating/ IP Grade	I/IPX4
Noise	≤47dB(A)
Pipe size	DN25
Net weight	108kg
Heating* testing condition: Inlet water temperature 15°C, Outlet water temperature 55°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C Heating** testing condition: Inlet water temperature 30°C, Outlet water temperature 35°C, Dry bulb temperature 7°C, Wet bulb temperature 6°C Cooling testing condition: Inlet water temperature 12°C, Outlet water temperature 7°C, Dry bulb temperature 35°C, Wet bulb temperature 24°C	

The system is hermetically sealed.



- Keep the heat pump away from fire source. It must be placed in well ventilated area, indoor or closed area is not allowed.
- Repair and disposal must be carried out by trained service personnel.
- Vacuumize completely before welding. Welding can only be carried out by professional personnel in service center.



Read and follow all instructions in the owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

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ATTENTION

- When the ambient temperature is lower than 0°C, in order to ensure the normal operation of the system, please keep the power supply in the normal power-on state. If the power supply of the machine or the circulating pump is abnormal, power loss, or the machine is stopped and will be not used for a long time, please completely drain the water in the entire circulating pipe of the unit to prevent the freezing and cracking of the heat exchanger water system, and protect the whole machine as much as possible.
- Be sure to install a Y-shape filter properly at water inlet to prevent blockage of the water pipe.
- Install the water temperature sensor correctly, and it is strictly forbidden to bind it to the surface of the pipeline to cause water temperature deviation.
- Please use the machine in the nominal voltage range. Before servicing and maintenance, turn off the power supply.
- Please grounding properly when the machine is installed. When installing on the roof which is higher than the surrounding buildings, please take lightning protection measures, prevent the electric control system from damage by lightning.
- Before using this product, please read the product installation instructions carefully and operate correctly.

Failure to do the correct operation above, the caused product failure is not covered by the warranty.

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Air Source Heat Pump's Use Tips



REMINDE THE USER

Please keep the air source heat pump powered on, otherwise the antifreeze function will not be turned on.

1

When using the heat pump in winter, please remember not to cut off the power of air source heat pump and system. The machine should keep the circulating water system non-stop



2

In case of power failure due to uncontrollable reasons or not being used in winter, the water in the heat exchanger must be drained after the power is cut off. Otherwise, the heat exchanger will be frozen and cracked, which will cause the machine to malfunction.



3

When at rainy and snowy days the air temperature are continuously low, keep the air source heat pump free of stagnant water and snow.



4

Before performing electrical operation, please make sure that the power of the machine has been disconnected. Do not operate with electricity to avoid electric shock.



5

For the controller's parameters setting, except temperature adjustment, please do not modify it by yourself. If you need to modify, please consult our customer service.



If user cut off power before the water are not drain, the caused equipment frozen and damage will not be covered by the warranty.

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WARNING - Rotating fan !

Do not allow children to climb on the device or to play near the unit!

Placing hands into the device could cause serious injuries!

To avoid these cases , do the proper precautions.