

### Product Description

When the operating environment temperature of the engine is below 4°C, during the startup phase, the engine's coolant and lubricating oil may solidify into a solid state, losing their lubricating or cooling functions and thereby damaging the engine. Therefore, when the ambient temperature is below 4°C, a heater should be installed for the engine to ensure its normal startup and operation.

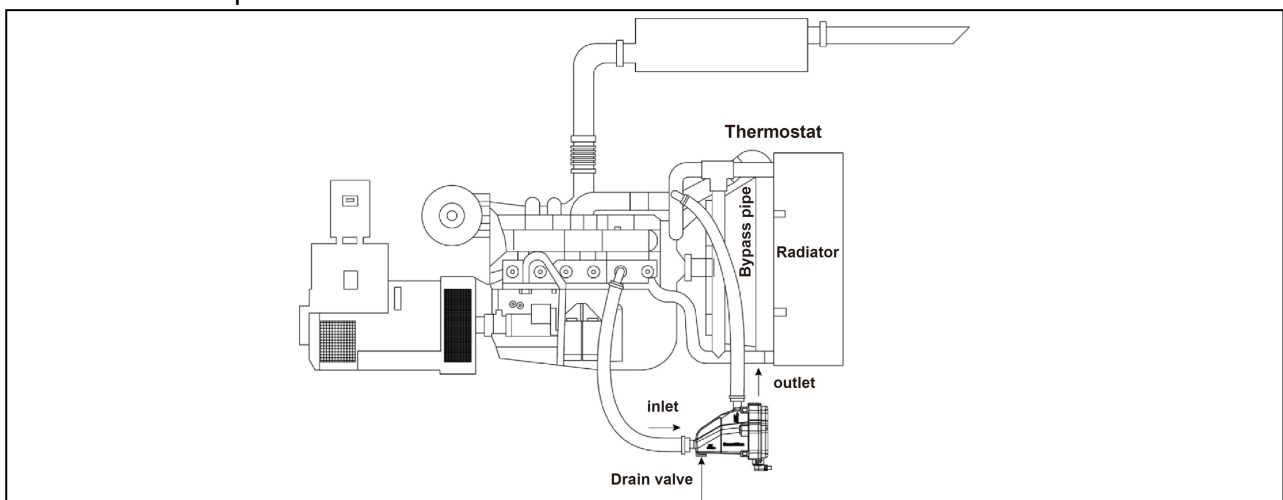


### Key Performance and Features

- The heater shell is made of precision die-cast aluminum with a special surface treatment, featuring strong corrosion resistance and resistance to high and low temperatures.
- The internal heating tube and sealed end cover are made of stainless steel, offering excellent corrosion resistance.
- The coolant temperature is controlled by a temperature-controlled switch inside the heater, with a simple structure and reliable performance.
- Power, heating, and overheating protection indicator lights are installed on the panel for easy observation of the heater's working status.
- A seal ring-type drain valve is provided at the bottom of the heater for use when needed.
- When the ambient temperature is too high, the test run button can be used for test operation.
- An internal overheating temperature-controlled switch is equipped to provide dry heating protection and overheating protection functions.
- The heater offers multiple installation methods to suit different installation scenarios.
- It can work normally in an environment of -25°C.

### Working Conditions

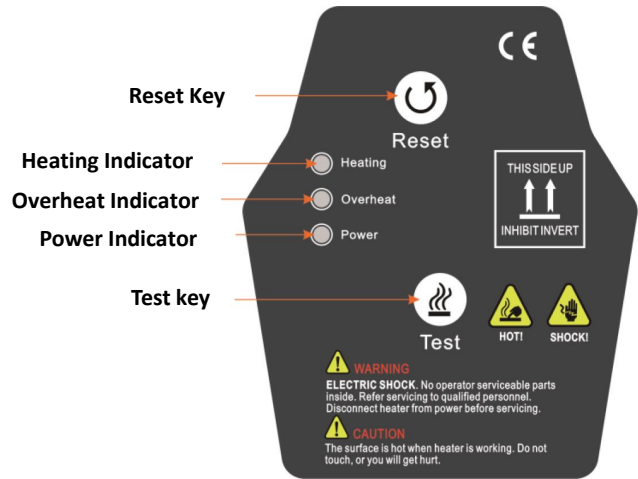
- Ambient temperature: -25°C to +70°C



### Main Parameters

Rated Power	1190W (220V1000W)
Rated Voltage	AC 190~277V
Rated Current	5A
Iso thermal point	(50±3)°C
Temp.-control switch action range	Disconnect: (40±3) °C Reset: (25±5) °C
Overheat switch action range	Disconnect: (110±3) °C Reset: manual reset (≤95 °C)
Insulation Resistance	≥50MΩ
Electrical Strength	AC 1.5kV 1min
Inlet And Outlet Dimensions	3/4"(Φ19mm)
Max. water pressure	0.5MPa
Protection level	IP54
Vibration resistance	(5~8)Hz amplitude ±7.5mm (three axes) (8~500)Hz acceleration 2g (three axes)
Impact resistance	half-sine wave/peak acceleration 50g (three axes)
Operating temperature range	-25 °C~+70 °C
Storage temperature	-30 °C~+70 °C
Outline dimension	208mm×150mm×177mm
Weight	1.2kg

### Control Panel



### Outline Dimension

