

HWP45N

强制循环水加热器

FORCED CIRCULATION HEATER



简介

带有灯光指示功能，可指示加热器各种状态。加热温度可自行设置，具有防干烧及过热保护，可在-40°C环境下工作，适用排量(15~35)L的各种发动机。

特点

- 适用单相两线
- 结构升级：水泵调整至进水侧，低水温有效延长水泵寿命
- 4位数码管显示，可显示当前冷却液温度、用户设定温度、累计运行时间、累计消耗电能、当前电压等参数
- 循环水泵和加热体分开控制，优化工作时序，防止热量集中
- 内部加热管为不锈钢材料，可靠耐用
- 壳体采用精密压铸铝制造，重量轻强度高
- 干烧快速保护：一旦发生干烧，可在40秒内断开加热，快速保护加热器
- 干烧智能复位：干烧保护后，60min后干烧传感器温度不高于95°C自动清除干烧报警，干烧三次后自动锁定，需人工检修后复位
- 可通过面板按键测试加热体和水泵是否正常工作
- 可在-40°C环境下正常工作

Overview

This is a forced circulation water heater of engine. It has lamp indication function, which can indicate all kinds of heater statuses. Heating temperature can be set by users, and dry burning prevention and overheating protection are fitted. This product can work at -40°C environment and it is suitable for various engines with (15~35)L displacement.

Features

- Suitable for 1P2W
- Optimized structure: The pump is relocated to the water inlet side, which helps extend its service life under low coolant temperature conditions
- The controller features a 4-digit display showing coolant temperature, user-defined temperature, accumulated run-time, energy consumption, voltage parameters, and more
- The pump operates before the heater starts and continues running after the heater stops to prevent heat buildup
- The stainless steel inner heating element ensures enhanced durability
- The heater shell is made of fine-cast aluminum, offering a lightweight design with high structural strength
- Overheating protection: If overheating is detected, the heater automatically shuts off within 40 seconds to prevent damage
- Intelligent overheating reset: When overheating protection is triggered, the alarm will automatically clear after 60 minutes if the thermostat temperature is 95°C or lower. If the alarm is triggered three times, the heater will lock and require a manual reset after maintenance
- The desired heating temperature can be set directly on the controller panel
- Extreme cold resistance: The heater operates reliably in temperatures as low as -40°C



<p>工作参数 Operating Parameters</p>	<p>额定功率: 4500W 额定电压: AC240V 工作电压范围: AC(168~264)V 额定电流: 18.8A 适用发动机排量(L): 15~35 干烧保护动作温度 断开点: (95±3)°C 复位点: 手动/自动复位</p>	<p>Rated Power: 4500W Rated Voltage: AC240V Working Voltage Range: AC(168~264)V Rated Current: 18.8A Engine Displacement: (15~35)L Overheating Thermostat Range Off: (95±3)°C On: Manual/Auto</p>
<p>设置参数 Setting Parameter</p>	<p>断开及复位温度范围 断开点: (5~70)°C 复位点: (0~65)°C</p>	<p>Thermostat Range Off: (5~70)°C On: (0~65)°C</p>
<p>环境 Environment</p>	<p>工作温度: (-40~+70)°C 贮存温度: (-40~+80)°C 防护等级: IP44</p>	<p>Working Temperature: (-40~+70)°C Storage Temperature: (-40~+80)°C IP Rating: IP44</p>
<p>结构 Structure</p>	<p>进出水口尺寸: M30X2外螺纹(可选配Φ19.5mm宝塔头) 水泵流速: 扬程1.5米时30L/min 最大水压: 0.5MPa 外形尺寸: 440 × 175 × 185mm</p>	<p>Inlet/Outlet Size M30×2 external thread (Selectable Φ19.5mm Barbed Hose Fitting) Pump Flow Velocity 30L/min (1.5m of lift) Max. Water Pressure 0.5MPa Overall Dimensions: 440 × 175 × 185mm</p>
<p>标准和认证 Standards & Certificates</p>	<p>认证: CE 振动: (5~8)Hz: 位移±7.5mm (8~500)Hz: 加速度=2g IEC 60068-2-6 冲击: 50g_n, 11 ms, 半正弦 IEC 60068-2-27</p>	<p>Certification: CE Vibration: (5~8)Hz: displacement±7.5mm (8~500)Hz: a=2g IEC 60068-2-6 Shock: 50g_n, 11 ms, half-sine IEC 60068-2-27</p>

● 尺寸 Dimensions

单位(Unit): mm

