

CMM Coolant Heating System

The Hotstart® CMM is a complete coolant preheater with thermostat, pump, flow switch and all required controls. The CMM heats engines ranging in size from 100L-400L displacement. Forced circulation of the coolant delivers uniform heating throughout the entire engine, extends element life and reduces electrical consumption.



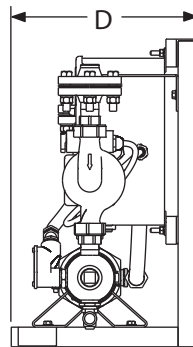
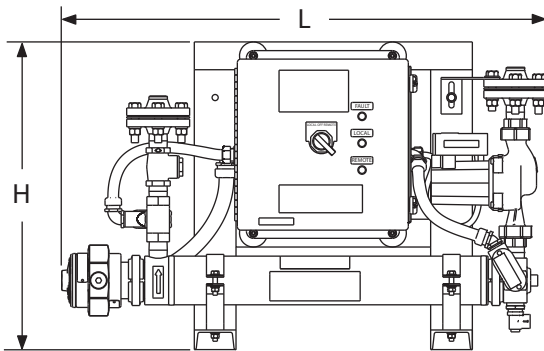
Application:

The CMM was developed to preheat diesel and gas engines for stationary land power, marine, rail, large mining and construction equipment.



Specifications:

- Heating Fluid: Engine coolant (50% glycol/50% water)
- Power: 18kW
- Rated Voltage: 3 Phase 400V (380-415V) 50Hz
3 Phase 460V (440-480V) 60Hz
3 Phase 690V 50/60Hz
- Tank Material: Steel
- Enclosure: IP44
- Fluid Capacity (including pump): 3L (.793 gl)
- Pump Power: 0.122kW
- Flow: 3.22 m³/hr (14GPM)
- Head: 3.45m (10ft)
- Flow Switch: 0.4 m³/hr (2GPM)
- Max Pressure: 8.61 bar (125PSI)
- Pressure Loss: 0.20 bar (3PSI)
- Pressure Relief Valve: 6.2 bar (90PSI)
- Inlet/Outlet: DN25 (DIN2633)



Dimensions & Weight

Phase	3Ø	
Height (H)	mm (In)	562 (22.1)
Length (L)	mm (In)	886 (34.9)
Depth (D)	mm (In)	341 (13.4)
Weight	kg (lbs)	55.4 (122)

Features:

- CE compliant
- Designed and tested to meet DNV Marine Classification
- Thermostat (50° - 60°C/120° - 140°F)
- 24VDC relay for auto ON/OFF
- Flow switch for increased protection
- Auxilliary contacts for remote monitoring
- Optional E-stop



www.kimhotstart.com

ISO 9001:2000