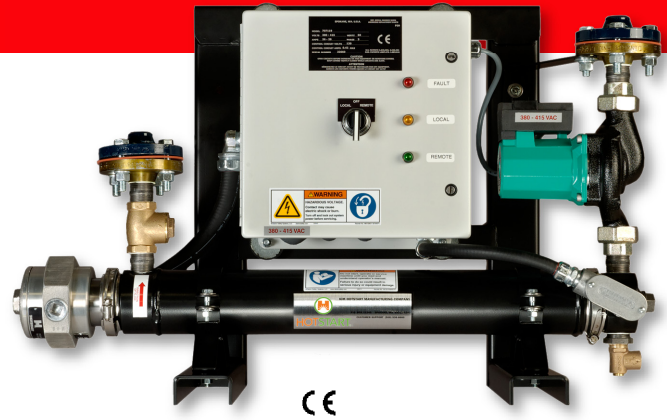


# CMM COOLANT HEATING SYSTEM

The HOTSTART CMM is a complete coolant preheater with pump, flow switch, thermostat and all required controls. The CMM heats engines up to 200L displacement. Forced circulation of the coolant delivers uniform heating throughout the entire engine, extends element life and reduces electrical consumption.

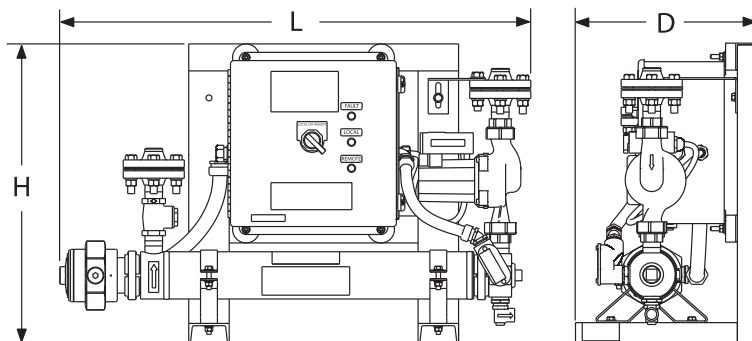


## APPLICATION

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: Up to 24kW
- Rated Voltage: 3 Phase 240V-575V 50 or 60Hz
- Tank Material: Steel
- Thermostat: Adjustable 32°-210°F (0°-100°C)
- High Limit Temp. Control: 195°F (90°C)
- Ingress Protection: IP44, NEMA 12 & 13
- Fluid Capacity: .793 gl (3L)
- Pump Power: 1/8HP (0.122kW)
- Flow: 15GPM (3.4 m<sup>3</sup>/hr) @ 15ft head (.45 bar)
- Max Pressure: 125PSI (8.61 bar)
- Pressure Loss: (3PSI) 0.20 bar
- Pressure Relief Valve: 90PSI (6.2 bar)
- 1" NPT Inlet, 1" NPT Outlet  
DN25 Inlet, DN25 Outlet (DIN2633)\*  
\* Shown w/DIN flanges (sold separately)



### Dimensions & Weight

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

## FEATURES

- CE compliant
- Designed and tested to meet DNV Marine Classification
- 24VDC relay for auto ON/OFF
- Auxiliary contacts for remote monitoring
- Optional E-stop connection

