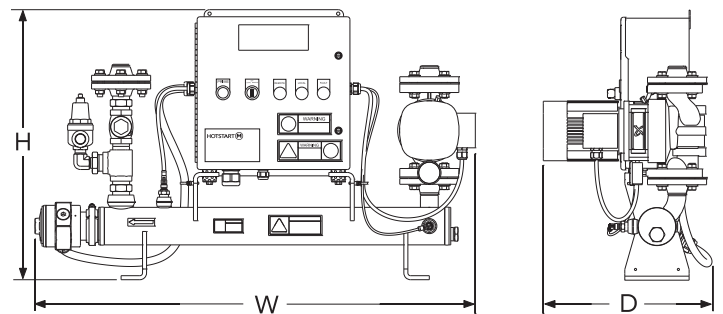


CLM Coolant Heating System

The HOTSTART CLM is a complete, packaged heating system with pump, PT-100 temperature sensors and all required controls. The CLM heats engines up to 300L displacement. Forced circulation of the coolant delivers uniform heating throughout the entire engine, enhances availability, decreases wear and tear from cold starts and extends element life.



APPLICATION

The CLM 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: 24 - 36kW
- Rated Voltage: 400V/50Hz/3ph, 440V/60Hz/3ph, 690V/50&60Hz/3ph
- Temperature Controller: Adjustable 32°-212°F (0°-100°C)
- Temperature Setting: 120°F (50°C)
- High Limit Temperature Control: Adj. 32°-212°F (0°-100°C)
- High Limit Temperature Setting: 195°F (90°C)
- Fluid Capacity: 0.9 gal (3.5L)
- Pump Power: 0.75Hp (0.55kW)
- Flow: 41GPM @ 20ft (9.3 m³/hr @ 6mWc) for 50Hz
49GPM @ 23ft (11 m³/hr @ 7mWc) for 60Hz
- Max Pressure: 125 psi (860 kPa)
- Pressure Loss @ Rated Flow: 3 psi (21 kPa)
- Pressure Relief Valve Setting: 100 psi (690 kPa)
- Inlet Plumbing: DN32 flange
- Outlet Plumbing: DN32 flange
- Main Control Box Ingress Protection: NEMA 4/IP66
- Motor Ingress Protection: IP55
- Ambient Temp. Rating: -4°- 104°F (-20° - 40°C)

FEATURES

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

DIMENSIONS & WEIGHT

Height (H)	Width (W)	Depth (D)	Weight
25.2"	41.1"	15.7"	171 lbs.
640mm	1043mm	399mm	77.6 kg