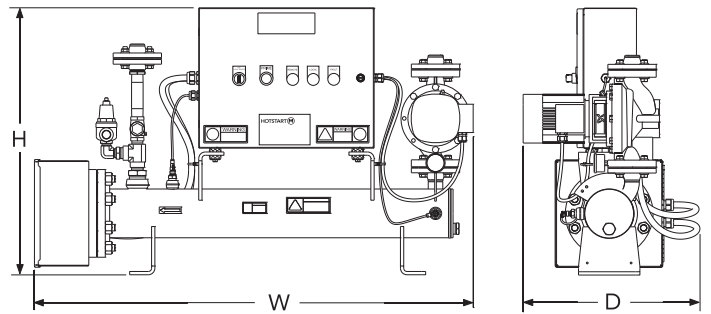


CXM Coolant Heating System

The HOTSTART CXM is a complete, packaged heating system with pump, PT-100 temperature sensors and all required controls. The CXM heats engines up to 600L 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 CXM was developed to pre-heat 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: 48 - 72kW in 2 stages
- Rated Voltage: 400V 50Hz, 440-480V 60Hz, 660/690V 50/60Hz 3ph
- Temperature Controller: Adjustable 32°-212°F (0°-100°C)
- Temperature Setting: 140°F (60°C)
- High Limit Temperature Control: Adj. 32°-212°F (0°-100°C)
- High Limit Temperature Setting: 95°C
- Fluid Capacity: 5.0 gal (19.0L)
- Pump Power: 3Hp (2.2kW)
- Flow: 45GPM @ 25ft (10 m³/hr @ 7.6mWc)
- Max Pressure: 100 psi (690 kPa)
- Pressure Loss @ Rated Flow: 5 psi (35 kPa)
- Pressure Relief Valve Setting: 100 psi (690 kPa)
- Inlet Plumbing: DN32 flange w/counter flange
- Outlet Plumbing: DN32 flange w/counter flange
- Main Control Box Ingress Protection: 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 |
|------------|-----------|-----------|----------|
| 30.4" | 50.0" | 20.2" | 250 lbs. |
| 772mm | 1270mm | 513mm | 113 kg |