

## Dual Fluid Heating System **OCLP**



Hotstart's OCLP heating system is a coolant preheater, developed to maintain optimal temperatures for diesel and gas engines in stationary land power and marine applications.



### ENGINE AVAILABILITY

To improve equipment startability and availability, the OCLP maintains a consistent and uniform temperature by circulating heated coolant throughout the engine block and heated oil throughout the sump – eliminating hot spots and ensuring oil viscosity is at optimal levels for engine protection.



### COMPLETE PACKAGED DESIGN

Designed as a plate mounted, user-friendly, pre-packaged system, the OCLP includes all necessary components. The OCLP's remote automatic function and customer interface connections enable it to be easily integrated into any control system.



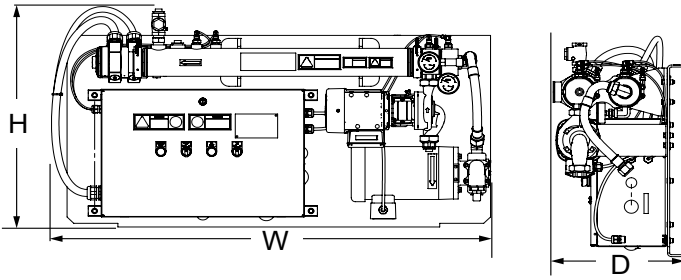
### REDUCED MAINTENANCE & EMISSIONS

When compared to cold engine starts, maintaining optimal engine heat during down time lowers NOx emissions during startup. Engine heating also eliminates the need for extended idling, reducing overall maintenance expenses.



### PREVENTS CONDENSATION

In warmer, humid climates, temperature variation can cause condensation to collect in the cylinders and oil pan, compromising the oil's lubrication properties and resulting in frequent maintenance. By maintaining temperatures above the dew point, the OCLP eliminates the risk of condensation forming during cool down periods.



| Height (H) | Width (W) | Depth (D) | Weight* |
|------------|-----------|-----------|---------|
| 26.7"      | 50.0"     | 12.1"     | 450 lbs |
| 679 mm     | 1270 mm   | 308 mm    | 204 kg  |

| System                  |                             |              |              |
|-------------------------|-----------------------------|--------------|--------------|
| Phase                   | three-phase (3 Ø)           |              |              |
| Voltage (60 Hz)         | 208V<br>380V                | 240V<br>480V | 277V<br>600V |
| Voltage (50 Hz)         | 230V                        | 380V         | 400V   690V  |
| Control Box Ingress     | IP66                        |              |              |
| Motor Ingress           | IP55, TEFC                  |              |              |
| Min./Max. Ambient Temp. | -4°F / 104°F (-20°C / 40°C) |              |              |
| Altitude Rating (Motor) | 3,300 ft (1,000 m)          |              |              |
| Certification           | CSA US Certified            |              |              |

| Coolant           |                                      |
|-------------------|--------------------------------------|
| Fluid Type        | Coolant mix (50% water / 50% glycol) |
| Heat Power (3 Ø)  | 18kW   24kW   30kW   36kW            |
| Temp. Control     | 32–176°F (0–80°C), adjustable        |
| Control Set Point | 122°F (50°C), factory set            |
| Temp. High-limit  | 195°F (90°C)                         |
| Pump Power        | 0.75 hp (0.56 kW)                    |
| Flow              | 39 gpm @ 41 ft.                      |
| Inlet/Outlet      | 1.25" NPT / 1" NPT                   |
| Pressure Relief   | 100 psi (690 kPa)                    |

| Oil               |   |
|-------------------|---|
| Fluid Type        | Lubrication oil                           |
| Heat Power        | 2.5kW   6kW   9kW   12kW                  |
| Temp. Control     | 32–212°F (0–100°C), adjustable            |
| Control Set Point | 105°F (40°C), factory set                 |
| Temp. High-Limit  | 195°F (90°C)                              |
| Pump Power        | 1–3 hp (0.75–2.25 kW)                     |
| Flow              | 1.6–30 gpm (6.1 – 113.6 L/min)            |
| Inlet/Outlet      | determined by flow rate / 1" NPT          |
| Max. Pump Output  | 75 psi (520 kPa), pressure relief limited |

Options shown represent typical tested or certified configurations. Additional options or configurations may be available. For assistance with your heating system application, contact Hotstart at 281.600.3700 or [oil.gas@hotstart.com](mailto:oil.gas@hotstart.com).

## Model Information

Proper heating system specification is dependent on multiple factors, including heated area dimensions, fluid volumes, ambient conditions, and other considerations. For assistance in selecting the heating system for your application, contact the Hotstart Oil & Gas office at 281.600.3700 or [oil.gas@hotstart.com](mailto:oil.gas@hotstart.com).