

# Oil Heating System

## OXM



MARINE



GENERATOR



HEAVY  
EQUIPMENT

HOTSTART's OXM heating system is an oil heater, developed to heat oil reservoirs of marine engines as well as diesel and gas engines for stationary land power, and mining equipment.



CE

## BENEFITS & FEATURES

### CLEAN, FULL POWER STARTS

Marine heating systems allow large-displacement propulsion engines to start clean and deliver full-power right away without a warm-up delay or idling. Forced circulation of heated oil delivers uniform heating to the oil reservoir and external circuit piping – enhancing starting and reducing maintenance.

### COMPACT PACKAGED DESIGN

Designed with usability, reliability and safety in mind, the OXM's configuration features a remote automatic function, customer interface connections, pressure relief valve and two PT-100 sensors for accurate temperature monitoring and control.

### DESIGN FLEXIBILITY

The OXM heater is available in a range of voltages up to 690 V, custom interfaces as needed and component configuration for 50 and 60 Hz allowing for easy integration into existing ship power.

### SUPPORT & SERVICE

HOTSTART's offices in North America, Europe and Asia – combined with our partner and dealer network around the globe, decrease delivery times and provide localized service and support.

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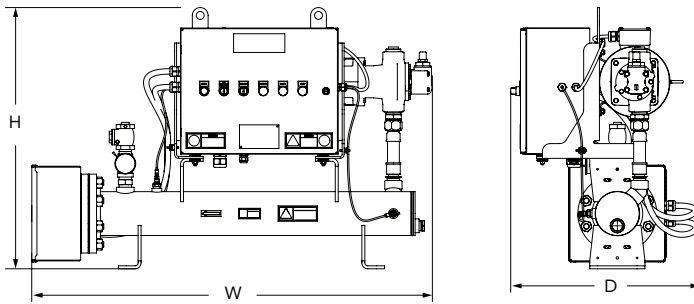
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## MODEL INFORMATION

Proper heating system specification is dependent on multiple factors, including heated area dimensions, fluid volumes, ambient conditions, and other considerations. Additional heating system options not listed, including heat power, may be available. For assistance in selecting the heating system for your application, contact the HOTSTART Europe office at [europa@hotstart.com](mailto:europa@hotstart.com).

Height (H)	Width (W)	Depth (D)	Weight
31"	50"	21"	300 lbs
787 mm	1270 mm	533 mm	136 kg

System	
Phase	three-phase (3 Ø)
Voltage (50 Hz)	400V (380-415 V)   690V
Voltage (60 Hz)	380V   440V   480 V   600 V   690 V
Control Box Ingress	NEMA 4 / IP66
Motor Ingress	IP55
Min./Max. Ambient Temp.	-4 °F / 104 °F (-20 °C / 40 °C)
Certification	CE conformance Marine Society certification available

Oil	
Fluid Type	Engine oil; Hydraulic fluid
Heat Power	18kW   24kW
Temp. Control	32–176 °F (0–80 °C), adjustable
Control Set Point	104 °F (40 °C), factory set
Temp. High-limit	195 °F (90 °C)
Pump Power	5 hp (3.7 kW)
Flow (50 Hz)	27 gpm (6.1 m <sup>3</sup> /hr)
Flow (60 Hz)	32 gpm (7.3 m <sup>3</sup> /hr)
Inlet/Outlet	1.5" NPT / 1.25" NPT
Pressure Relief	75 psi (517 kPa)
Max. Pressure	100 psi (690 kPa)

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 [europa@hotstart.com](mailto:europa@hotstart.com).