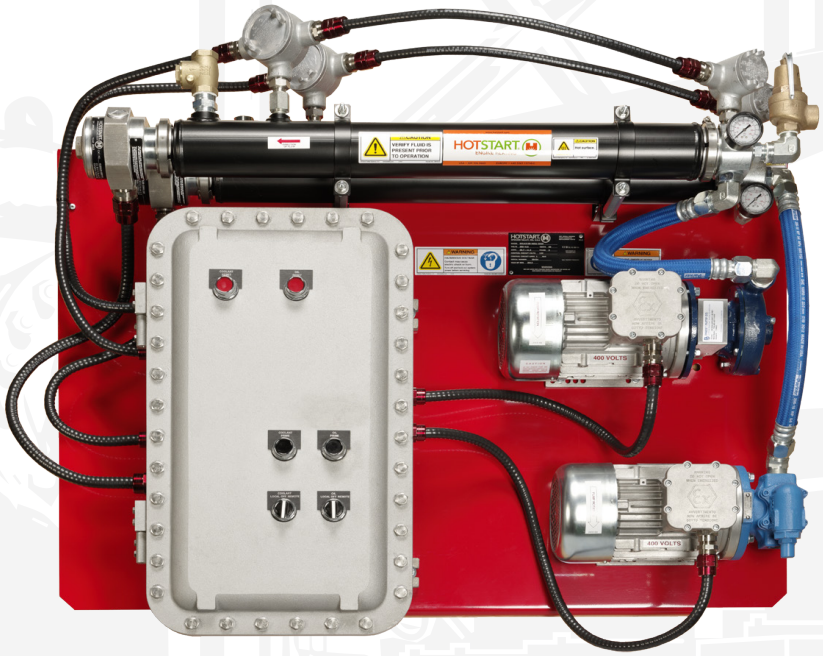
Explosion Proof ATEX Oil/Coolant Heating System

OCLA

OIL & GAS

HOTSTART's OCLA is an ATEX-certified large capacity oil and coolant heating system for use in hazardous locations and is designed to maintain optimal engine starting temperatures and oil viscosity for gas compression or offshore equipment applications.



BENEFITS & FEATURES

ENGINE AVAILABILITY

To improve equipment startability and availability, the OCLA 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 user-friendly, pre-packaged system, the OCLA includes all necessary components. The OCLA'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 temperature 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, resulting in frequent maintenance and compromising the oil's lubrication properties. By maintaining temperatures above the dew point, the OCLA eliminates the risk of condensation forming during cool down periods.

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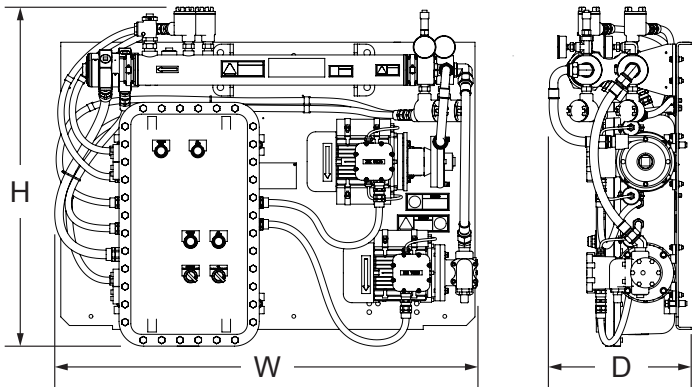

Height **(H)**	Width **(W)**	Depth **(D)**	Weight
33.0"	48.0"	15.25"	521 lbs
845 mm	1219 mm	387 mm	236 kg

System		
Phase	single-phase (1 Ø)	three-phase (3 Ø)
Voltage (50 Hz)	230 V	400 V
Packaged System Ingress	IP66	
Min./Max. Ambient Temp.	-4 °F / 104 °F (-20 °C / 40 °C)	
Temperature Class	T4	
Altitude Rating (Motor)	3,300 ft (1,000 m)	
Certification	ATEX	

Coolant						
Fluid Type	Coolant mix (50% water / 50% glycol)					
Heat Power	6 kW	9 kW	11 kW	12 kW	18 kW	24 kW	30 kW
Temp. Control	32–212 °F (0–100 °C), adjustable					
Control Set Point	122 °F (50 °C), factory set					
Temp. High-limit	195 °F (90 °C)					
Pump Power	1 hp (0.75 kW)					
Flow	33 gpm (124.9 L/min)					
Inlet/Outlet	1.25" NPT / 1" NPT					
Pressure Relief	100 psi (690 kPa)					

Oil				
Fluid Type	Lubrication oil			
Heat Power	2.5 kW	6 kW	9 kW	12 kW
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	1.6–24 gpm (6.1–91 L/min)			
Inlet/Outlet	determined by flow rate / 1" NPT			
Max. Pump Output	75 psi (525 kPa), pressure relief limited			

Area Classifications	
Packaged System	CE Ex II 3 G IIB T4
Heating Element	CE Ex II 3 G Ex Na II T5
Motor	CE Ex II 2 G Ex d IIC T4
Cable Gland	CE Ex II 2 GD Ex d IIC
Control Box	CE Ex II 2 G Ex d IIB Gb

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.

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.