

CLA

Hotstart's CLA is an IECEx/ATEX certified large capacity coolant heating system for use in hazardous locations and is designed to maintain optimal engine starting temperatures for gas compression or offshore equipment applications.



ENGINE AVAILABILITY

To improve equipment startability and availability, the CLA maintains a consistent and uniform temperature by circulating heated coolant throughout the engine block – eliminating hot spots and preventing overheating at engine shutdown.



REDUCED MAINTENANCE & EMISSIONS

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



COMPLETE PACKAGED DESIGN

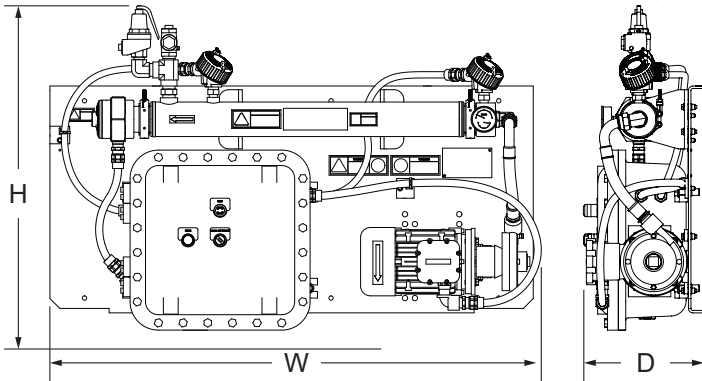
Designed as a user-friendly, pre-packaged system, the CLA includes all necessary components. The CLA's remote automatic function and customer interface connections enable it to be easily integrated into any control system.



PREVENTS CONDENSATION

In warmer, humid climates, temperature variation can cause condensation to collect in the cylinders, resulting in starting issues and frequent maintenance. By maintaining temperatures above the dew point, the CLA eliminates the risk of condensation forming inside the heads during cool down periods.

Typical model shown.
Dimensions may vary.



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 Oil & Gas office at 281.600.3700 or oil.gas@hotstart.com.

Height (H)	Width (W)	Depth (D)	Weight
32.9"	49.3"	12.4"	306 lbs
835 mm	1253 mm	315 mm	139 kg

System	
Phase	single-phase (1 Ø) three-phase (3 Ø)
Voltage (50Hz)	230V 400V
Min./Max. Ambient Temp.	-4°F / 104°F (-20°C / 40°C)
Temp. Class	T3
Altitude Rating (Motor)	3,300 ft (1,000 m)
Certification	IECEx/ATEX

Coolant											
Fluid Type	Coolant mix (50% water / 50% glycol)										
Heat Power	<table border="1"> <tr> <td>6kW</td> <td>9kW</td> <td>11kW</td> <td>12kW</td> <td>18kW</td> </tr> <tr> <td>24kW</td> <td>30kW</td> <td>36kW</td> <td>48kW</td> <td>66kW</td> </tr> </table>	6kW	9kW	11kW	12kW	18kW	24kW	30kW	36kW	48kW	66kW
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24kW	30kW	36kW	48kW	66kW							
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	1 hp (0.75 kW) 2 hp (1.5 kW)										
Flow	30–45 gpm (113.6–170.3L/min)										
Inlet/Outlet	1.25" NPT / 1" NPT										
Pressure Relief	100 psi (690 kPa)										

Certifications	
IECEx	IECEx UL 18.0106X Ex db IIA T3 Gb
ATEX	DEMKO 18 ATEX 2107X CE 0539 @ II 2 G Ex db IIA T3 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.