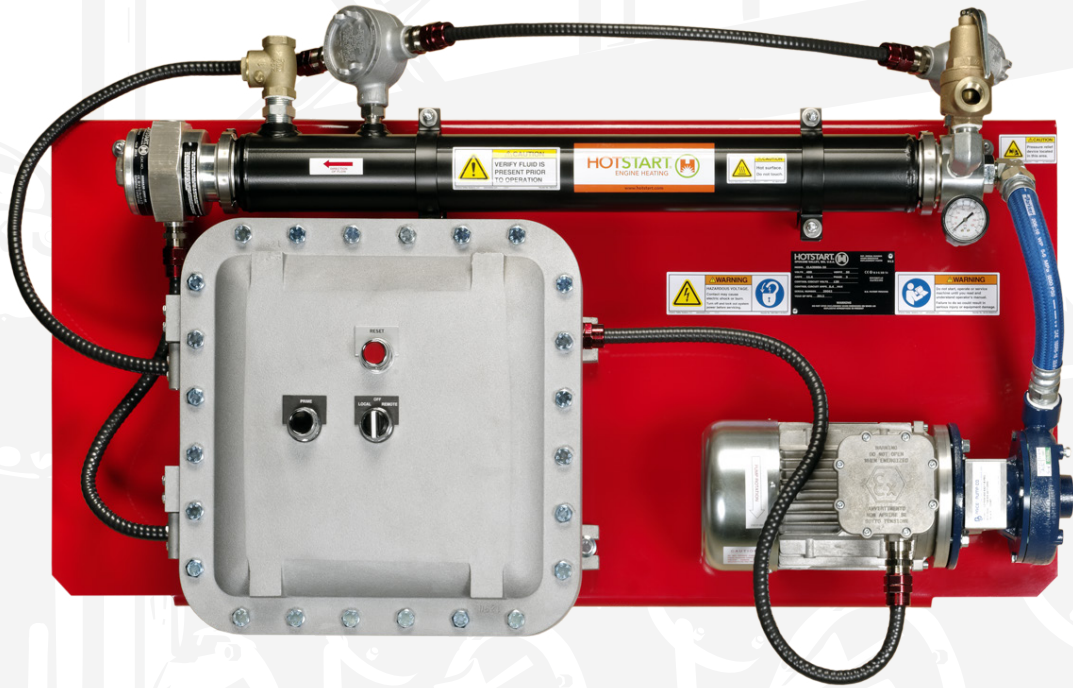


HOTSTART's CLA is an ATEX-certified large capacity coolant heating system for use in hazardous locations and is designed to maintain optimal engine starting temperatures for gas compression or offshore equipment applications.



## BENEFITS & FEATURES

### 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.

### 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.

### REDUCED MAINTENANCE & EMISSIONS

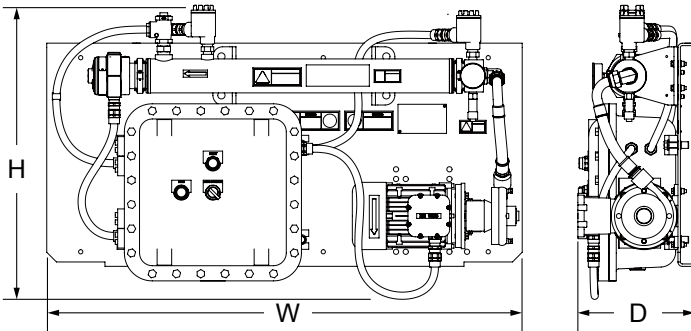
When compared to cold engine starts, maintaining optimal temperature during down time lowers NOx emissions at engine startup. Engine heating also eliminates the need for extended idling, reducing overall maintenance expenses.

### 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.

# Explosion Proof ATEX Coolant Heating System

## CLA



### 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](mailto:oil.gas@hotstart.com).

| Height (H) | Width (W) | Depth (D) | Weight  |
|------------|-----------|-----------|---------|
| 23.0"      | 49.0"     | 12.0"     | 306 lbs |
| 584 mm     | 1245 mm   | 305 mm    | 139 kg  |

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

| Coolant           |  |
|-------------------|--|
| Fluid             | Coolant mix (50% water / 50% glycol)                               |
| Heat Power        | 6kW   9kW   11kW   12kW   18kW<br>24kW   30kW   36kW   48kW   66kW |
| 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)   2 hp (1.5 kW)                                     |
| Flow              | 33–50 gpm (125.0–189.3L/min)                                       |
| Inlet/Outlet      | 1.25" NPT / 1" NPT   |
| Pressure Relief   | 100 psi (690 kPa)  |

| Area Classifications |                         |
|----------------------|-------------------------|
| Packaged System      | CE Ⓜ II 3 G IIB T4      |
| Heating Element      | CE Ⓜ II 3 G Ex Na II T5 |
| Motor                | CE Ⓜ II 2 G Ex d IIC T4 |
| Cable Gland          | CE Ⓜ II 2 GD Ex d IIC   |
| Control Box          | CE Ⓜ 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](mailto:oil.gas@hotstart.com).