Hotstart
THERMAL MANAGEMENT

Hazardous Location IECEx/ATEX
Oil Heating System

# OSA

OSA
front view

OSA
rear view

Hotstart's OSA is an IECEx/ATEX-certified compact oil heating system for use in hazardous locations and is designed to maintain an engine or compressor's optimal oil viscosity for gas compressor or offshore equipment applications.

## ENGINE & COMPRESSOR AVAILABILITY

To improve equipment startability and availability, the OSA continuously circulates heated oil throughout the oil sump or lubrication system, maintaining a uniform and consistent temperature to ensure oil viscosity is at optimal levels for engine or compressor protection.

## REDUCED MAINTENANCE

Continuous lubrication of the compressor frame, bearings and crossheads with heated oil minimizes wear and tear, reducing overall maintenance. The OSA delivers the required flow to achieve pressure permissives for startup, eliminating the need for a separate prelube pump, motor and controller.

## COMPLETE PACKAGED DESIGN

Designed as a user-friendly, pre-packaged system, the OSA includes all necessary components and features a foot-mounted configuration to reduce overall footprint. Its remote automatic function and customer interface connections enable the OSA to be easily integrated into any control system.

## PREVENTS CONDENSATION

In warmer, humid climates, temperature variation can cause condensation in the oil pan, contaminating the oil and compromising the oil's lubrication properties. By maintaining temperatures above the dew point, the OSA eliminates the risk of condensation forming during cool down periods.

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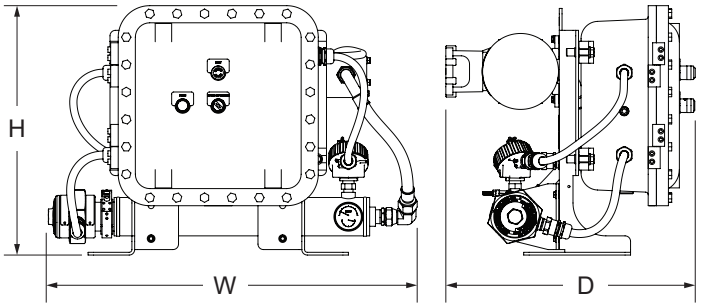
Typical model shown.
Dimensions may vary.




| Height (H) | Width (W) | Depth (D) | Weight |
|---|---|---|---|
| 22.8″ | 33.6″ | 22.8″ | 315 lbs |
| 578 mm | 816 mm | 578 mm | 143 kg |

| System | |
|---|---|
| Phase | single-phase (1 Ø) \| three-phase (3 Ø) |
| Voltage (50 Hz) | 230 V \| 400 V |
| 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 |

| Oil | |
|---|---|
| Fluid | Lubrication oil |
| Heat Power | 1.5 kW \| 2.5 kW \| 4 kW |
| Temp. Control | 32–176 °F (0–80 °C), adjustable |
| Control Set Point | 105 °F (40 °C), factory set |
| Temp. High-limit | 195 °F (90 °C) |
| Pump Power | 1 hp (0.75 kW) \| 2 hp (1.5 kW) |
| Flow | 1.6–9.4 gpm (6.1–35.6 L/min) |
| Inlet/Outlet | determined by flow rate / 1″ NPT |
| Max. Pump Output | 75 psi (520 kPa), pressure relief limited |

| Certifications | |
|---|---|
| IECEx | IECEx UL 18.0106X Ex db IIA T3 Gb |
| ATEX | DEMKO 18 ATEX 2107X<br>CE 0539 Ex 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.

## 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.