



Zone 2 Containerized 185CFM Compressor



Overview

The Zone 2 185 CFM Air Compressor is a diesel-driven, fully enclosed unit designed for operation in hazardous area environments. The package incorporates explosion protection systems, DNV-certified lifting and structural components, and robust engine safety shutdowns, making it suitable for offshore and oil & gas applications. The unit is engineered for reliability, ease of transport, and safe operation in Zone 2 classified areas, with compliance aligned to ATEX/IECEx component standards and DNV GL verification.

Key Features

- Zone 2 IIB T3 hazardous area rated
- Pyroban Zone 2 explosion protection system
- DNV GL ST-E271 certified enclosure and lifting slings



- ISO twistlock frame with stacking capability
- Fully enclosed, sound-attenuated design (<85 dB)
- Integrated engine safety shutdown system:
 - High coolant temperature
 - High exhaust temperature
 - Low oil pressure
- Spark arrestor and flame arrestor fitted
- Local emergency stop (E-stop)
- Antistatic belts and fan blades
- External fuel fill point
- Built-in drip tray with drain outlet
- Spring starter (or configurable starting system)

Dimensions & Weight

Parameter	Value
Length (L)	2,600 mm
Width (W)	1,500 mm
Height (H)	1,800 mm
Weight	5,000 kg

Technical Specifications

Parameter	Specification
Delivered Flow	185 SCFM
Working Pressure	100 – 110 psig
Hazardous Area Rating	Zone 2 IIB T3
Compliance	DNV GL + ATEX/IECEX (component level)
Ambient Temperature	0°C to +45°C
Engine	JCB Diesel
Engine Power	85 BHP / 64 kW
Aspiration	Naturally Aspirated
Service Duty	Intermittent / Standby
Operating Duration	8–10 hours
Instrumentation	Temp, Exhaust, Oil Gauges + Tacho
Noise Level	< 85 dB
Starting Method	Spring Starter