

# ATLASCOPCO – Rig Safe and Zone 2 Portable Air Compressor Oil and Gas Services



**XAS 97 Dd**  
**XAHS 450 Cd**  
**XATS 377 Cd**

On an offshore oil or gas production rig, a 200-800 cfm class portable compressor is a valuable workhorse. This class is typically used for flaring methane or maintenance purposes such as sandblasting and operating pneumatic construction tools. It might also be used for black starting larger compressors, which is a method of starting compressors or other machinery without using external electrical power.

As an authorized distributor of Atlas Copco in the Oil and Gas industry in Malaysia, Aerodyn Engineering Sdn Bhd provides the above solution to supply rig safe and zone rated portable air compressor for onshore and offshore activity applications.



Certified by:



## Technical Data

Model		XAS 97	XAHS 450	XATS 377
Actual free air delivery	l/s	82-89	187-203	336-365
Normal pressure	barg	7.0	12.0	10.3
Sound pressure level at 7m	dB(A)	70	80	76

Engine		Deutz	Cummins	CAT
Model		D2011L03	6BTAA C180	C7 ACERT
Power	kW	36	132	186

Dimension				
Overall length, L	mm	2,200	3,660	3,660
Overall width, W	mm	1,500	2,440	2,440
Overall height, H	mm	1,700	2,440	2,440
Wet weight	kg	1,500	5,200	6,800

Aerodyn Engineering Sdn Bhd provides a reliable source for portable compressed air solution for the oil and gas industry.

We design, fabricate and supply Rig Safe and Zone-2 Atlas Copco portable air compressor that meet DNV offshore container/ lifting frame and ATEX requirement for safe operation in the hazardous areas (Zone 2/ Class 1, Div.2, temperature class T3)

Designed with maximum safety in mind, this package provides energy efficient performance for all offshore and onshore jobs.



## Feature and Benefit

### Offshore Environment

- 3 coats offshore painting
- Stainless steel material for enclosure, piping, fuel tank and mechanical fittings

### Mechanical Lifting/ Hoist

- DNV 2.7-1 or EN12079 certified container or
- DNV 2.7-3 certified lifting frame c/w certified sling and shackle
- Twistlock stackable design
- Forklift pocket for transportation flexibility

### Electrical and Instrument

- All components are certified to ATEX Directive 94/9/EC
- Exd alternator
- Exd starter motor
- Exd battery
- Electrical control panel/ PLC in Exd enclosure
- Exd switch/ sensor for engine coolant, oil, exhaust gas temperature, engine oil pressure and compressor air outlet temperature and pressure
- Exd speed limiter sensor (governor) or MPU sensor
- Flame retardant/ LSZH cable
- F&G detector system

### Heat, Flame and Spark Control

- Exhaust gas cooling system to meet T3 temperature class requirement
- Rig saver/ intake flame arrestor
- Exhaust flame arrestor
- Exhaust spark arrestor
- Anti-static fan blade and belt

### Safety Shutdown System

- ESD button shutdown
- Automatic shutdown via intake shut-off valve, high exhaust gas temperature, low engine oil pressure, over-speed shutdown and etc

