



REGOMS PRODUCT DATASHEET

ZONE 2 190SCFM AIR COMPRESSOR

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FOR ILLUSTRATION PURPOSE ONLY

The **Zone 2 190scfm Air Compressor** is a standalone compressor unit rated up to 190scfm, designed for use in Zone 2 hazardous areas and ATEX compliant. The unit is packaged in an LR-certified DNV 2.7-1 offshore lifting skid, ensuring durability and safety in offshore applications. Designed for easy operation and maintenance, the compressor features multiple access points for convenient servicing. It operates in an ambient temperature range of -20°C to +40°C, making it suitable for both warm and cold weather conditions. With a sound pressure level (SPL) below 85dBA at 1m, the Zone 2 190scfm Air Compressor ensures low-noise operation while maintaining high efficiency and performance.

GENERAL SPECIFICATION	
BRAND	Atlas Copco
MODEL	XAS 97 DD
WORKING PRESSURE	7 BARG
FAD	190 CFM
ENGINE CAPACITY	36 KW
ENGINE MODEL	DEUTZ F3M 2011
DIMENSION	(2,200L X 1,250W X 1,600H) MM
PAY LOAD	970 KG
TARE MASS	530 KG
MAX. GROSS MASS	1,500 KG
LIFTING FRAME SPECIFICATION	
DNV 2.7-1 or BS EN12079 certified offshore frame	
Certified sling and shackles	
3 layers offshore painting specification	
COMPRESSOR ENGINE COMPONENT	
Exhaust gas cooler to comply with T3 (200°C) temperature class requirement	
Oversized radiator with anti-static fan to cater cooling for exhaust gas cooler including piping	
Screw fitting original with oil dipstick type	
Air inlet flame arrestor	
Spark arrestor	
Anti-static fan belt	

PANEL SPECIFICATION (MECHANICAL TYPE)

Hydromechanical type of panel with safety protection of automatic shutdown as follow:

- Engine overspeed
- Low lube oil pressure
- High coolant water temperature
- High exhaust temperature
- High compressor element discharge temperature

Emergency shutdown using stop lever

INSTRUMENT (MECHANICAL TYPE)

Amot hydromechanical type of oil pressure sensing valve

Amot hydromechanical type of coolant temperature sensing valve

Amot hydromechanical type of exhaust temperature sensing valve

Amot hydromechanical type compressor discharge temperature sensing valve

Amot hydromechanical type fuel valve

Pyroban mechanical type air inlet valve

Zone 2 rated tachometer/run hour meter

STARTING SYSTEM

Spring starter

CERTIFICATION

Declaration of conformity of the engine/ transmission/ electric installation assembly will be issued in compliance with ATEX Directive 2014/34/EU for Category 3G IIA T3 applications whichever applicable.

DNV 2.7-1 offshore lifting frame certificate by DNV GL

3rd party certification from Bureau Veritas for Zone 2 compliance of portable air compressor

ENGINEERING AND QUALITY DOCUMENTATION

General arrangement drawing

Shop drawing including fabrication details and welding details.

Lifting arrangement drawing.

MDR for Submission of MDR including material mill certificate, WPS, PQR, WQT, load test certificate, MPI report, blasting & painting procedure and report, technical data for painting system, wire rope sling test certificate and anchor shackle test certificate.

To request for a quotation and detailed pricing, please contact our sales team:

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