

Nitrogen Operation Equipment Catalogue: Pumping Equipment

AIR COMPRESSOR – ATLAS COPCO

The Topline Air Compressor is a silenced, single-staged, oil-injected screw compressor, built for nominal effective working pressures of; 125 psi, 150 psi, 175 psi and 200 psi.

The compressors are driven by 6 cylinder in-line liquid-cooled diesel engines. Engine power is transmitted to the compressor element through a heavy-duty coupling.

The compressor casing houses two screw-type rotors, mounted on ball and roller bearings. The male rotor, driven by the engine drives the female rotor. The compressor delivers pulsation-free air.



ATLAS COPCO AIR COMPRESSOR

The compressor is provided with a continuous regulating system and a blow-off valve which is integrated in the unloader assembly.

The engine is provided with a liquid-cooler and intercooler and the compressor is provided with oil cooler. The cooling air is generated by a fan, driven by the engine.

SPECIFICATIONS:

Compressor Model: Atlas Copco/ XAMS 950 Cd7
Engine type/model: CATERPILLAR
Pressure rating: 150 PSI with regulating valve
Air Flow: 24m³/min
Starter: Kick
Power: Diesel
Outlets: 3No.

SAFETY FEATURES:

- Over-speed shut down
- Emergency shutdown switch
- Safety Relief valve
- High temperature shut down; oil and water
- Low oil level/diesel shut down

OTHER FEATURES

- 1000 Zone II DNV
- Containerized -certified for Zone II hazardous area operation
- Exhaust gas cooler
- A spark arrestor
- An automatic engine over speed shut down

ENGINE LOADING:

- Diesel driven
- Forklift pockets
- DNV 2.7-1 lifting specification
- Stackable offshore container with ISO twist locks
- Control panel externally mounted
- Vibration and over speed valves
- High engine water, compressor oil and discharge temperature shutdown
- Low engine oil shutdown
- Low oil pressure
- Emergency stop button
- Spark arrestors
- Noise reduction insulation
- Internal EX lighting
- Anti-static fan belts and blades
- Exhaust manicooler supplied with flame traps
- Exhaust extensions to redirect exhaust gases when stacked
- Supplied with appropriate Yellow Alert Shutdown System.

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