Product Reference

XAS 110 KD APP

Standard Scope of Supply

The Atlas Copco **XAS 110 KD** is a single-stage, oil-injected, rotary screw type air compressor, powered by a liquid- cooled, three-cylinder Kubota diesel engine.

The unit hosts the new generation C67 Screw element in its air end, combined with a Kubota made diesel engine model D902 complying with the Tier4Final emission standard.
An undercarriage with fixed towbar and pintle eye is available as standard, combined with Department of Transportation approved road lighting.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class cost of ownership.

Features	Benefits
• Compact, fuel-efficient engine	• Saves up to 12% of fuel on typical applications in this range.
• Designed with environmental protection in mind	• The unit comes with a Spillage Free frame as standard with 110% fluid containment and Tier 4 Final emission compliant engine, this makes the compressor suitable for use in all areas in North America.
• Compact, sound attenuated, corrosion resistant enclosure	• For OND compliance the unit is enclosed in a sound attenuated Zincor steel enclosure. Compact and maneuverable, saving valuable space on your job site and during transportation, weighing less than 1350 lbs.
• HardHat™ hood and 3-layer painting of metal parts	• High residual value and low repair costs

Main data

Model		XAS 110 KD
Minimum effective receiver pressure	psig	29
Maximum effective receiver pressure (Unloaded)	psig	127.6
Normal effective working pressure	psig	100
Actual free air delivery	cfm	95
Fuel consumption		
at 100% FAD (full load)	US gal/hr	1.23
at 75% FAD	US gal/hr	1.01
at 50% FAD	US gal/hr	0.72
at 25% FAD	US gal/hr	0.52
Specific fuel consumption at 100% FAD	g/m³	29.8
Maximum typical oil content of compressed air	mg/m³	5
Max. sound pressure level (Lp @ ISO 2151)	dB(A)	71
Compressed air temperature at outlet valve	°F (°C)	185 (85)
Max. ambient temperature at sea level	°F (°C)	109 (43)
Min. starting temperature with cold weather equipment	°F (°C)	-4 (-20)
Min. starting temperature without cold weather equipment	°F (°C)	14 (-10)

Engine		Kubota
Type		D902
Emission stage		Tier4Final
Coolant		ParCool
Number of cylinders		3
Bore	mm	72
Stroke	mm	73.6
Swept volume	l	0.898
Engine power at normal shaft speed @ ISO 9249G	hp	24.8
Full Load	rpm	3600
Unload	rpm	2100
Capacity of oil sump: - Initial fill	US gal	0.97
Capacity of oil sump: - Refill (max)	US gal	1
Capacity of cooling system	US gal	1.19
Capacity of compressor oil system	US gal	1.98
Net capacity of air receiver	US gal	2.64
Air volume at inlet grating (approx.)	cfm/min	2118
Capacity of standard fuel tanks	US gal	7.52
Safety valve - minimum opening pressure	psig	143.5

Dimensions

See dimension drawing

Principle Data

Compressor Element

The quality of a compressor can be measured through the reliability, efficiency and durability of the compressor element used. Through decades of expertise in the design of compressor elements, the result is the production of most efficient and reliable compressors in the market. When the screw element is efficient durability excels, maintenance intervals decrease and fuel consumption goes down.

The XAS 110 KD compressor utilizes an Atlas Copco C 6 7 element and is driven from the diesel engine. Inlet air is filtered through a heavy duty two stage air filter.

Air/Oil Separator

Air and oil separation is achieved through a centrifugal oil separator combined with a filter element. The vessel is ASME/CRN approved and stamped accordingly.

Designed for a higher maximum working pressure, the separator is equipped with a high pressure sealed and certified safety relief valve (automatic blow-down valve).

Cooling System

The cooling system consists of integrated side-by-side aluminum coolers with an axial fan to ensure optimum cooling. The fan is protected by a guard for operator safety. There is an access port for easy cleaning of coolers.

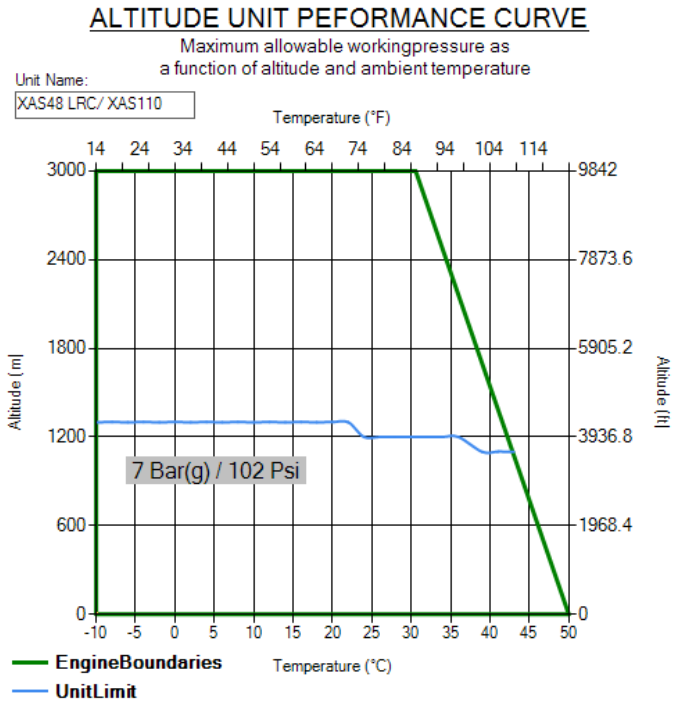
The cooling system is suitably designed for continuous operation in ambient conditions up to 109°F (43°C) , with canopy doors closed.

Engine

A Kubota D902, turbocharged, three-cylinder, liquid-cooled diesel engine provides ample power to operate the compressor continuously at full load.

Cold start options are available for temperatures down to -4°F (-20°C).

The 7.5 gallon fuel tank is sufficiently sized to allow full shift autonomy (8 hours).



Graph represents working conditions,
for starting conditions pls contact your
Atlas Copco contact

Electrical System

The **XAS 110 KD** is equipped with a 12 Volt negative ground electrical starting system.

Instrumentation

The instrument control panel is located at the rear of the compressor canopy with easy access.

The standard instrument package includes an operating pressure gauge, a starter switch, a running hour counter, and 2 warning lamps.

The starter switch has an integrated lockout mechanism to prevent starter motor damage.

Bodywork

The compressor's frame comes standard with ASTM A653 Zincor steel platework with powder coat paint finish providing excellent corrosion protection. The canopy is sound attenuated to meet the most current legal noise requirements.

Undercarriage

The **XAS 110** compressor is available with an undercarriage alternative, providing utmost flexibility in installation or towing requirements.

- Single axle trailer setup with:
  - Undercarriage with DoT road homologation and Fixed towbar
  - 115/80R 13 Wheels for trailer use
  - Heavy Duty torsion axle
  - Jack stand
  - Single point lifting structure
  - Pintle eye

Supplied Documentation

The unit is delivered with documentation regarding:

- Hard copies of the Atlas Copco Operators Safety and Instruction Manual, Atlas Copco Parts Book, Kubota Engine Manual and Parts book, as well as electronic copies available on request.
- Warranty Registration card for engine and Atlas Copco Compressor (Units must be registered upon receipt).
- Certificate for air/oil separator vessel and safety valve approval (Upon request only).

Warranty Coverage

Please refer to product presentation for warranty info

Extended Warranty Programs are available; please contact your local sales representative for more info.