XAS 1800 JD8

THE XAS 1800 RANGE OF AIR COMPRESSORS ARE THE MOST VERSATILE, POWERFUL, AND AGILE AIR COMPRESSORS ON THE MARKET, ALLOWING YOU TO POWER THROUGH THE TOUGHEST PROJECTS SAFELY AND EFFICIENTLY.

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Jahan Compressor

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ATLAS COPCO XAS 1800 JD8 COMPACT, VERSATILE AND POWERFUL

Need Air? The Atlas Copco XAS 1800 JD8 air compressor is truly the most versatile in its class with variable flow and pressure setting as standard features. Increasing the versatility creates a machine that is ready for a wider range of applications, in turn increasing your return on investment.

VERSATILITY

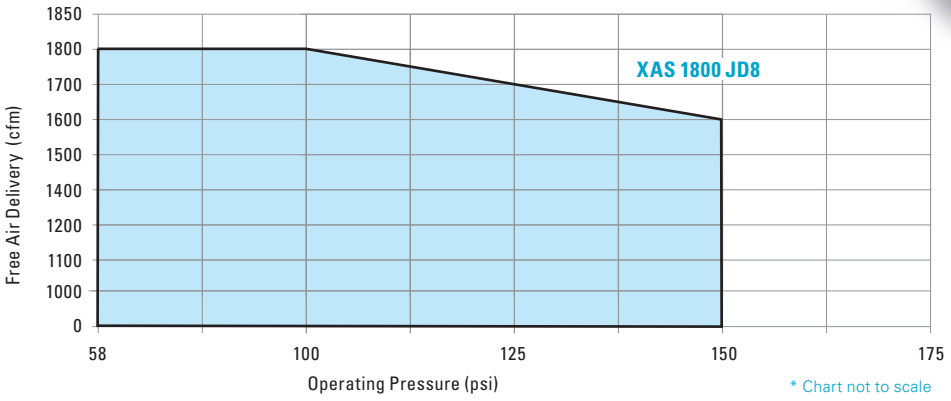
USER-FRIENDLY CONTROLS

The Xc3003 controller has a full color LCD screen that displays all the necessary information to get the job done quickly, efficiently and safely. The regulation system utilizes a single pneumatic regulator which the operator can easily dial in the desired pressure, and the controller will automatically adjust the output to deliver the flow while still maintaining industry leading fuel efficiency.

MAXIMUM VERSATILITY

The all new XAS 1800 JD8 has taken two previous models and rolled them into a single machine, making it the most versatile machine in the industry. The variable flow and pressure allows for operation in a wider range of applications. Specifically for rental customers this increases the applications where the machine can be used increasing fleet utilization and ROI.

Variable Flow and Pressure (Operating range)



* Chart not to scale

EFFICIENT AIR

The Cat 6 cylinder engine is mounted with two Atlas Copco C146 air elements in parallel. The single stage C146 element is one of the most efficient screw compressor designs on the market today. This translates to less energy loss in the system and equates to lower fuel consumption per CFM.

SIMPLIFIED MAINTENANCE

Servicing through large oversized doors provides quick access to components, including the air end, engine maintenance and electrical components. Drains for water and oil are easy to reach and are plumbed outside of the frame for draining. Atlas Copco extended life filters with 500 hour engine and 1,000 hour compressor service intervals make this engine the workhorse of your fleet.

EFFICIENT AIR

PORTABLE FULL FEATURE (PFF)

Atlas Copco's PFF system ensures cool, clean and dry air. The PFF system is plumbed through a secondary outlet which provides the ability for isolation of the hoses and hardware. PFF comes standard with a three way valve that the operator can select various air quality levels and optimal cold weather configuration.

COOL - High efficiency aftercooler reduces compressed air temperature.

DRY - Compact WSD condensate removal in combination with the aftercooler removes liquid water from the compressed air.

CLEAN - Dedicated Atlas Copco DD+PD filters remove oil aerosol content to 0.01mg/m^3 and particles down to 0.01 micron at the industry's lowest pressure drop.

HEAVY DUTY ENCLOSURE

The new XAS 1800 JD8 machine is the most compact and versatile air compressors on the market. Standard features such as central lifting, fork pockets, and a tandem trailer undercarriage make it easy to maneuver on tight job sites. High flow and a small footprint allow for lower transport-costs and take up less space on site. The optional support-mounted frame is ideal for mounting on a truck or crawler deck.

Technical data

Model		XAS 1800 JD8	
Actual free air delivery (Standard air)	CFM*	1600	1800
Actual free air delivery (Aftercooled air)**	CFM*	1550	1750
Working pressure	psi (Bar)	150	100
Working pressure range	psi (Bar)	58-175	
Discharge outlet quantity	#	1 Standard, 1 Aftercooled	
Discharge outlet size	inches	3" NPT	
Regulation system		Pneumatic	

Engine			
Model	John Deere	6135	
Displacement	L	13.5	
Cylinders	#	6	
Tier	US EPA	Tier 4 Final	
Exhaust after-treatment		DOC / DPF/SCR DEF	
HP		525	
Rated speed (High)	RPM	2100	
Rated speed (Low)	RPM	1300	
Fuel Tank Capacity (Tandem Trailer)	Gal (L)	240 (908)	
Fuel Tank Capacity (Support Mounted)	Gal (L)	557 (2108)	
DEF Tank Capacity	Gal (L)	13 (50)	
Altitude Capability	ft. (m)	10,000 (3048)	
Fuel Consumption @ 100% load	Gal/hr (L/hr)	23.4 (88.6)	23 (87)
Fuel Autonomy @ 100% load (Tandem Trailer)	Hours	10	10.25
Fuel Autonomy @ 100% load (Support Mounted)	Hours	23	23.5

Unit dimensions - LxWxH		
Tandem trailer	Inches	235 x 88 x 101
Weight (Wet)	lbs (kg)	18,300 (8,300)
Support mounted	Inches	185 x 88x 90
Weight (Wet)	lbs (kg)	15,300 (6,940)

* measured according to ISO 1217, 2009 annex D. Dependant on ambient conditions and temperature.
** Aftercooler is an optional feature

Photos and illustrations contained herein might depict products with optional and/or extra components which are not included with the standard version of the product and, therefore, are not included in a purchase of such product unless the customer specifically purchases such optional/extra components. We reserve the right to change the specifications and design of products described in this literature without notice. Not all products are available in all markets.

STANDARD FEATURES

- Compact, sound attenuated, corrosion resistant enclosure
- Variable flow and pressure

BENEFITS

- Extremely durable, portable and designed to be used for everything from oil patch applications to remote exploration sites.
- The versatility of the Xc3003 controller provides flexibility to tune your machine to a wider range of applications. The machine will match the air flow with the desired operating pressure to maximize output and keep the engine as fuel efficient as possible. Utilization and ROI are maximized with the adaptability of this machine over a traditional compressor.

OPTIONS

- Refinery equipment
- Support mounted base frame
- Portable Full Feature (filtered air)
- Cold weather package

ISO STANDARDS

Atlas Copco's fully implemented Quality Management and Environmental Management systems in the design and manufacturing of these units fulfill the requirements of ISO 9001 and ISO 14001. The range has also been tested according to ISO 1217.

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Danger: Compressed air should never be supplied as breathing air unless air is properly purified for breathing. Atlas Copco assumes no responsibility or liability related to the purchaser's/user's breathing air system

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