

Reliable efficiency: A powerful duo

GA Xtreme

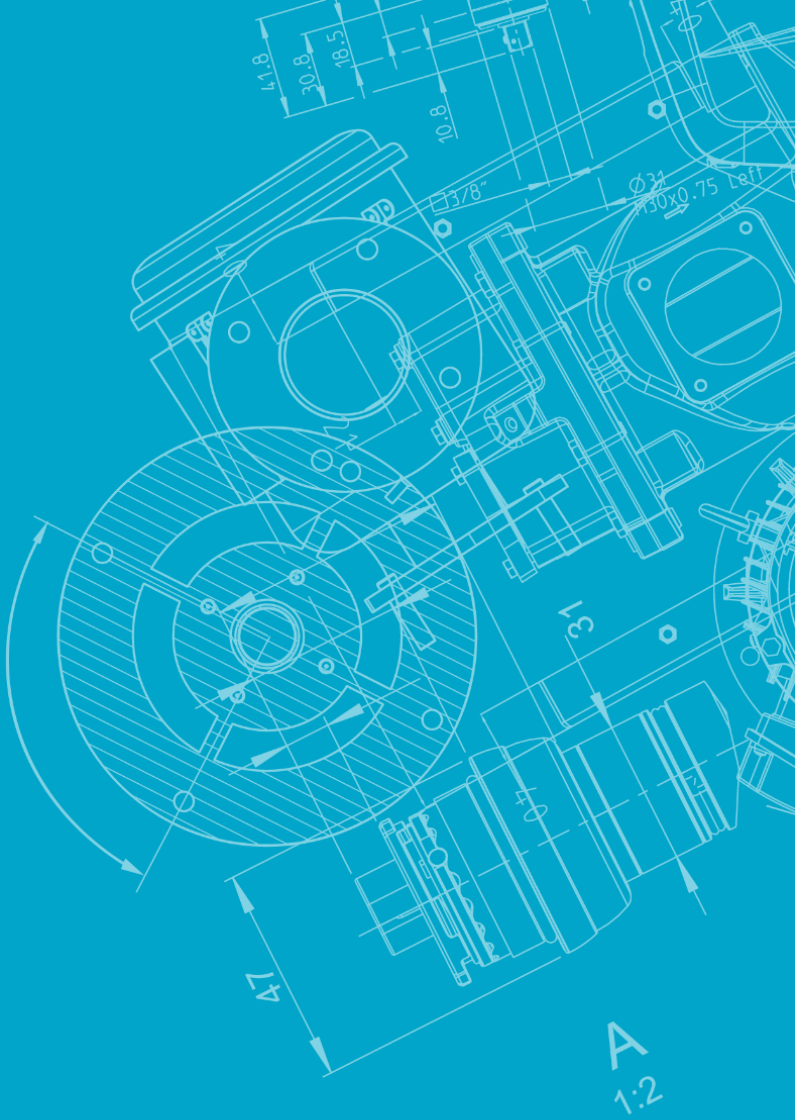


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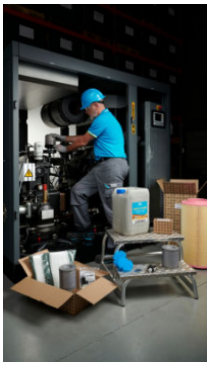
16 Back cover

Customized for Harsh conditions

The GA Xtreme is not just a compressor; it's a rugged powerhouse engineered to thrive in the most demanding environments. From extreme temperatures to challenging climate, it stands resilient, ensuring uninterrupted operation when you need it most.

GA Xtreme

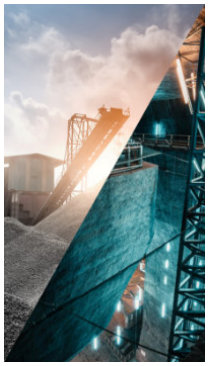
In order to fulfill the requirements of the mining and heavy machinery industries, Atlas Copco presents the GA Xtreme, specifically projected to meet the demands of your harsh operation.



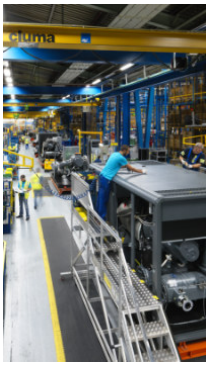
Serviceability [1]



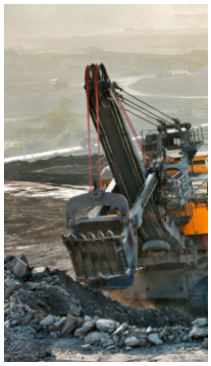
Soft Starter included [2]



Indoor or outdoor [3]



Locally manufactured [4]



Reliability [5]

[1] Service time is minimized by grouping all service parts together for easy access. The patented portal design allows complete access to serviceable components.
[2] The Soft Starter significantly lessens grid impact by safely initiating the motor with no high current peaks. The motor is designed specifically for this starter, enhancing overall unit performance.
[3] Choose between indoor or outdoor units for compressor operation in tough environments like rain and extreme heat.
[4] Local production cuts delivery times, ensures compliance with regulations, and brings peace of mind while lowering costs.
[5] The GA Xtreme is designed for outdoor use, offering reliable, high-performance operation and guaranteed uptime while prioritizing environmental protection.



Markets

Introducing our robust custom oil injected screw compressor, engineered to excel in the harshest conditions. Ideal for mining operations, cement plants, steel mills, and ceramics manufacturing, our compressors stand resilient against high levels of dust. Delivering unparalleled durability and performance, these specialized units ensure uninterrupted productivity in the most demanding industrial settings.



Mining

- Equipped with a standard mining motor to withstand harsh dust environments.
- Facilitates seamless mobility to remote mining sites.
- Robust design ensures durability during transport in challenging conditions.
- 8000h maintenance interval, reducing the need for frequent maintenance.





Steel & Foundries

- Versatile design allows for seamless installation both indoors and outdoors
- Incorporates a spillage-free frame to prevent oil leakage and maintain a clean working environment
- Low energy consumption required for continuous operation

Cement

- Robust filtration designed for heavy-duty cement industry conditions.
- Advanced control systems with environmental isolation capabilities
- Engineered to operate efficiently in high temperature environments.
- Features an energy-efficient design to optimize power consumption in the cement industry.





Ceramics

- Features an integrated solid lifting structure
- Compact design with a small footprint optimizes space utilization in ceramic manufacturing facilities.
- Engineered with a robust construction to withstand the demanding conditions of ceramic production.

Maximize your resources with a Service Plan



Reduce your total cost of ownership and benefit from optimal performance.

• Save costs – Optimal maintenance will reduce the operational cost of your compressor system.
• Increase operational efficiency – Our maintenance expertise makes your life easier when it comes to resource management.
• High uptime and performance – Specialist service keeps your equipment running and protect your investment.

Compressor parts at your doorstep: our Parts Plan

Genuine Parts, designed and produced to the exact specifications of your compressors, delivered right where and when you need them.

• All parts, one package – Always have the needed part for your service intervention at hand.
• Save money – A Service Kit costs less than the sum of its components if ordered separately
• Less administration – Every Service Kit has a single part number, allowing you to create a simple purchase order which can be easily followed-up.





Fixed Price Services: best compressor parts & maintenance

Avoid financial surprises. Our Fixed Price Services combine the expertise of factory-trained technicians with the quality of our genuine compressor parts.

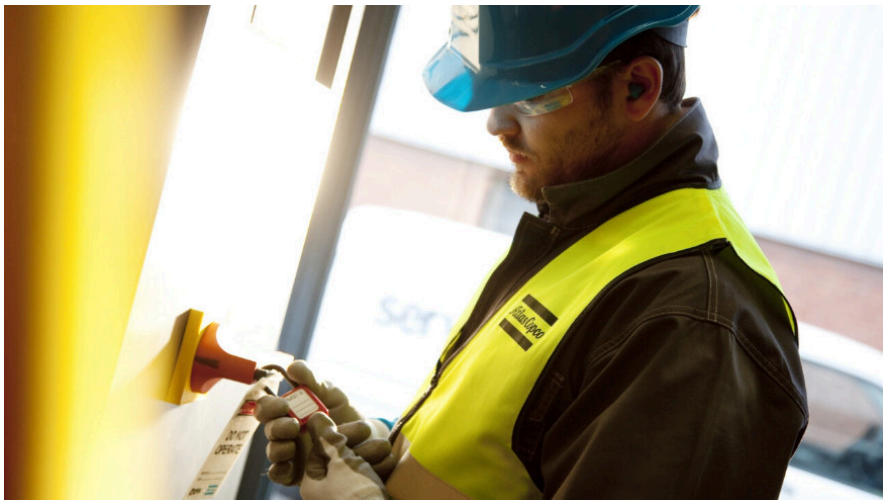
• The best compressor parts – The unrivalled quality of our genuine parts results in optimal uptime, energy consumption and reliability.
• An expert maintenance plan – Rely on the expertise of factory- trained Atlas Copco technicians.
• Clear and easy – Tailored to your installation, site conditions, and production planning, every Fixed Price Service has a clear scope and price.

Preventive Maintenance Plan for optimal compressor uptime

Rely on trained Atlas Copco technicians and the unrivalled quality of our genuine parts.

• Service reports – We help you achieving maximum energy efficiency by keeping you up to date of the status of your system.
• Prevent breakdown – If our technicians spot an additional developing problem, they will propose a solution.
• Top-priority emergency call out system – If an urgent repair is needed, you get priority assistance.





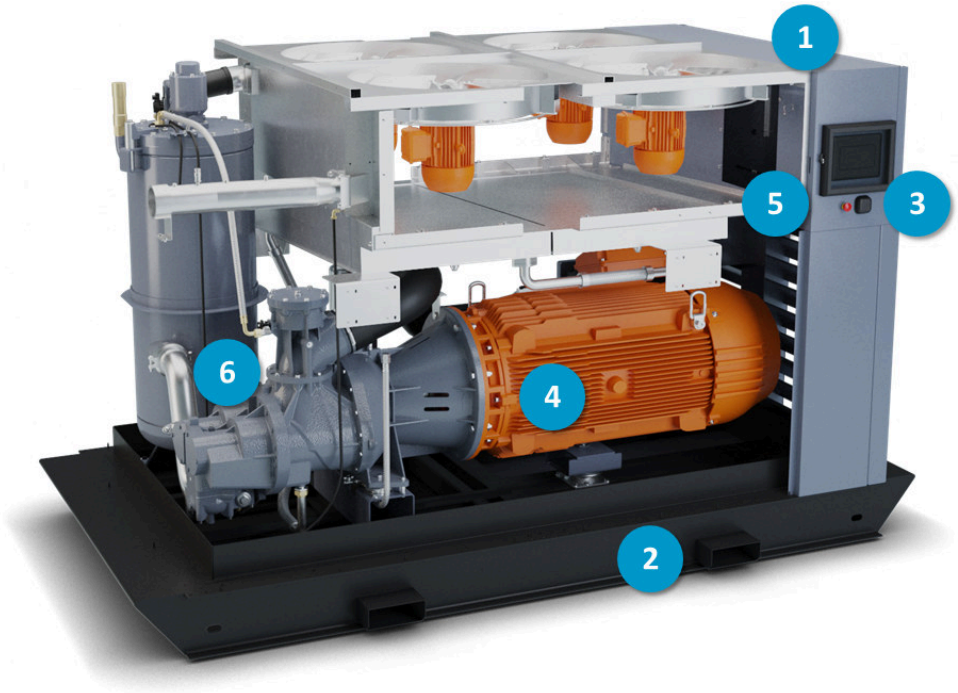
Complete compressor care with our Total Responsibility Plan

We take care of all your compressor maintenance, upgrades, repairs and even breakdowns at an all-inclusive price.

• Complete compressor care – On-time maintenance by expert service engineers, genuine parts, proactive upgrades and compressor overhauls.
• Total risk coverage – This means we take care of all your compressor repairs and even breakdowns, without extra charges.
• Ultimate efficiency – Fitting the latest drive line components gives you high standards of compressor efficiency and reliability.

GA Extreme

GA EXTREME



GA EXTREME



1 Environmental Adaptability

Designed with an optimized canopy to minimize noise, creating a quieter working environment for operators, and complying with noise regulations.
The oil-containing frame prevents leaks, ensuring a clean and eco-friendly operation while safeguarding against environmental contamination.

2 Solid Lifting Structure

Comes equipped with a single lifting eye, streamlining the process of moving and positioning the equipment. This feature ensures quick and efficient mobility, saving valuable time and effort during setup and relocation in mining environments.

3 Dust-Resistant Design

the GA XTREME comes with a sealed controller and cubicle, providing an extra layer of protection against dust infiltration.

4 Mining-Standard Electrical Components

Introducing our advanced fully sealed motor, purpose-built for the mining industry with a robust IP66 rating. This motor stands resilient against water and particulate intrusion, ensuring uninterrupted performance in challenging environments.

5 Main breaker with external handle on electrical panel for safe operation

The electric panel can be turned off from outside, increasing the reliability by not having to open the canopy to turn off the compressor.

6 Extended maintenance

Key components, designed for durability, boast a robust lifespan of 8000 hours. Ensure reliability and peak performance.

Monitoring & Control



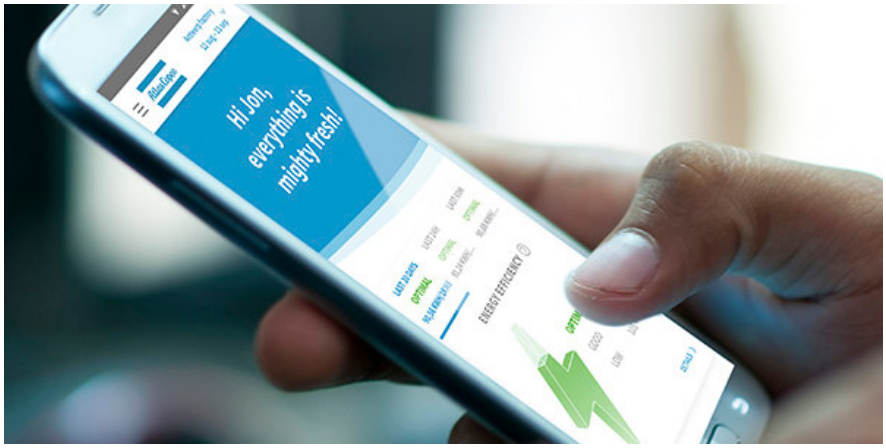
Electronikon® Mk5 Touch

The Elektronikon® unit controller is specially designed to maximize the performance of your compressors and air treatment equipment under a variety of conditions. Our solutions provide you with key benefits such as increased energy efficiency, lower energy consumption, reduced maintenance times and less stress for both you and your entire air system.

The full color touch display gives you an easy-to-understand readout of the equipment's running conditions.

- Clear icons and intuitive navigation for fast access to all of the important settings and data.
- Monitoring of the equipment running conditions and maintenance status; bringing this information to your attention when needed.
- Operation of the equipment to deliver reliable compressed air specified to your compressed air needs.
- Built- in remote control and notification functions provided as standard, including simple- to-use integrated webpage.
- Integrated **SMART**LINK
- Built- in remote control and notifications functions provided as standard, including simple-to-use integrated webpage.
- Support for 31 different languages, including character-based languages.





SMARTLINK
Monitor your compressed air installation with SMARTLINK
Knowing the status of your compressed air equipment at all times is the surest way to achieve optimal efficiency and maximum availability.

Go for energy efficiency
Customized reports on the energy efficiency of your compressor room.
Increase uptime
All components are replaced on time, ensuring maximum uptime.
Save money
Early warnings avoid breakdowns and production loss.

Evolving towards compressed air management
SMARTLINK Service
A mouse-click reveals the online service log. Get quotes for parts and additional service quickly and easily.
SMARTLINK Uptime
SMARTLINK Uptime additionally sends you an e-mail or text message whenever a warning requires your attention.

SMARTLINK Energy
SMARTLINK Energy gives you customized reports on the energy eficiency of your compressor room, in compliance with ISO 50001.



Flowchart

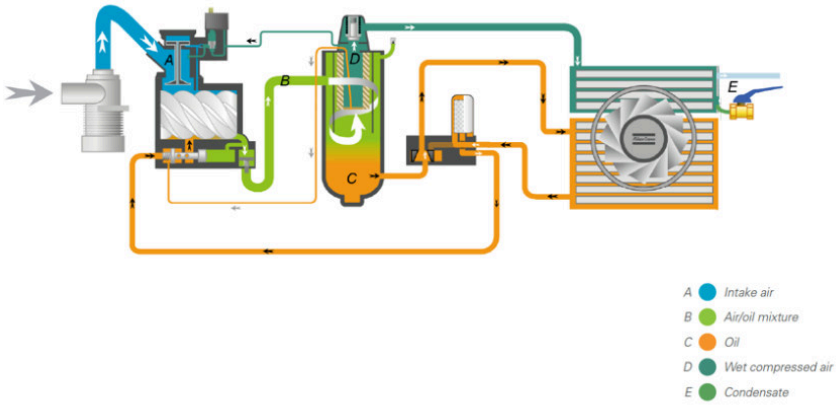
Air & oil flow of the oil-lubricated GA Xtend compressor.

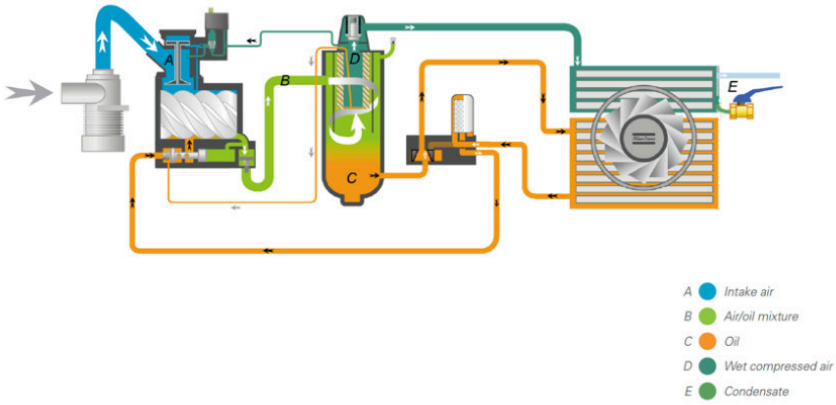
Air flow

Air enters the compressor through the inlet filter and is compressed in the oil-lubricated screw compressor element which has already passed through the inlet valve.

The lubricating fluid is injected into the air during the compression phase and the air/oil mixture passes from the check valve to the air/oil separator.

The air then passes through the minimum pressure valve and is cooled by an air-cooled aftercooler and the compressed air is delivered to the main pipeline.





Oil

The lubricating fluid contained in the separator (AR), due to the pressure difference, flows through the thermostatic by-pass valve, air-cooled oil cooler, high-efficiency oil filter and oil shut-off valve before being injected into the element. compressor (E) where it cools, seals and lubricates the compression process.

High efficiency filters provide superior filtration compared to conventional filters, resulting in a cleaner lubricant. The thermostatic by-pass valve ensures that the compressor quickly reaches the optimum temperature at start-up and maintains this temperature during the low load period, allowing the cold lubricant to bypass the oil cooler.

The Fan provides cooling air for the oil cooler and aftercooler, ensuring satisfactory operating temperatures.

Options

The GA Xtreme compressor offers a range of options for both indoor and outdoor use, ensuring reliable operation in even the most demanding environments.



Indoor version

- Air inlet filter and flexibles
- Air intake valve
- Full load/no load regulator
- Long lifetime filtration and separation elements
- Integrated lifting structure
- Heavy-duty air filter
- Air-oil separator
- Compressed air aftercooler and oil cooler
- IPW66 main and fans motors
- ASME based, NR-13 approval
- SmartLink
- Low noise cooling fan for air-cooled units
- Corrosion resistant painting C3H
- IE3 Class F electric motor
- Starters (Star-Delta)



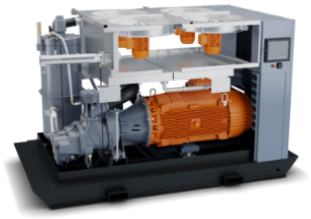
- Pre-mounted electrical cubicles with main breaker
- Elektronikon® unit controller
- Spillage free frame
- Silenced canopy

Outdoor version

- Rain Protection
- Integrated lifting structure
- Structural skid with spillage free frame
- Phase sequence relay

Options

- LV/MV motors
- 50Hz
- Soft starter



Dimensions

TYPE	L		W		H		Weight	
	mm	inch	mm	inch	mm	inch	kg	lbs
Indoor								
GA 160 Xtreme	3200	1102	2042	630	2414	905	5300	11685
GA 200 Xtreme								
GA 250 Xtreme								
Outdoor								
GA 160 Xtreme	3586	142	2095	83	2984	118	6155	13569
GA 200 Xtreme								
GA 250 Xtreme								



Technical data

Technical Specifications 50Hz

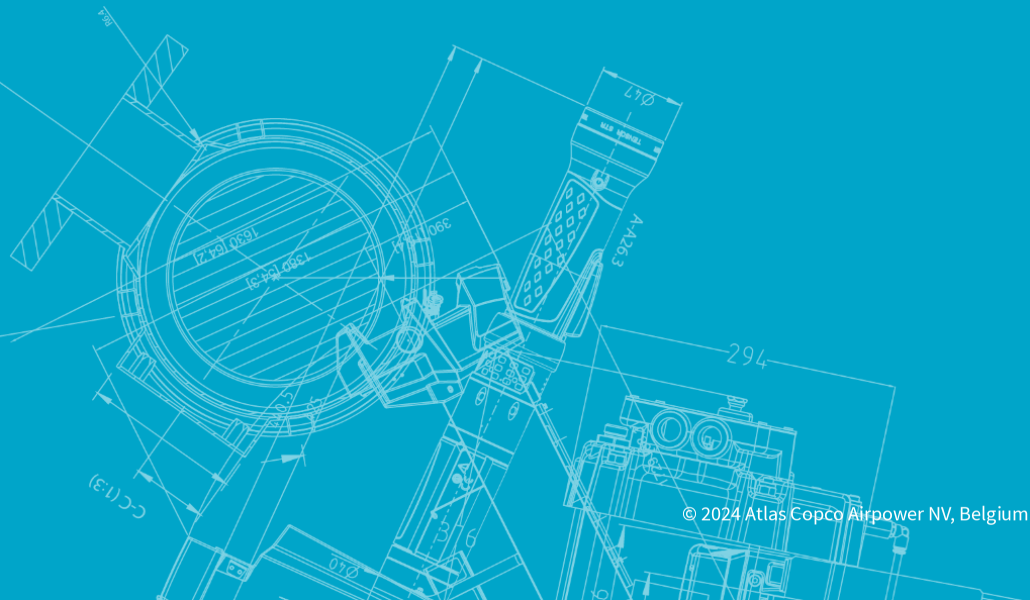
Technical data

TYPE	Maximum working pressure		Capacity FAD (1)			Installed motor power		Air Outlet Size	Weight (shipping mass)	
	Standard		Pack						Standard	
	bar(e)	psig	l/s	m^3/min	cfm	kW	HP		kg	lbs
GA 160 – 7.5 Xtreme	7.5	109	477	28.6	1010	160	215	DN100	3450	7606
GA 160 – 8.5 Xtreme	8.5	123	439.1	26.3	928.7					
GA 160 – 10 Xtreme	10	145	400	24	847.5					
GA 200 – 7.5 Xtreme	7.5	109	619.5	37.1	1310.1	200	268		3500	7716
GA 200 – 8.5 Xtreme	8.5	123	565	33.9	1197.1					
GA 200 – 10 Xtreme	10	145	516.6	31	1094.7					
GA 250 – 7.5 Xtreme	7.5	109	728.3	43.7	1543.2	250	335		3700	8157
GA 250 – 8.5 Xtreme	8.5	123	703.3	42.2	1490.2					
GA 250 – 10 Xtreme	10	145	616.6	37	1306.6					

Reference conditions:
– Absolute inlet pressure 1 bar (14,5psi)
– Intake air temperature 20°C (68°F)

(1) FAD is measured at the following working pressures according to ISO1217:
7.5 bar variants at 7 bar
100 psi variants at 100 psi

Sustainable production



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