

Atlas Copco Generators

QAS, the benchmark for critical power in all conditions



QAS 150 - 325



Atlas Copco

QAS Generators



Atlas Copco is recognized as the benchmark developer and manufacturer of portable generators. The latest QAS models set new standards for efficiency, reliability and durability. Purpose designed to operate across all environments; QAS generators are the trusted first choice for all portable power applications.

Reliable performance for all applications

QAS generators have been developed to produce clean, stable and surge free electricity suitable for use with all types of equipment. Of equal importance, Atlas Copco has developed QAS models so they can develop this power in harsh conditions. This ensures a QAS generator will always be the right choice, regardless of application or location.

It is for this reason that construction customers have come to trust Atlas Copco. When a QAS generator is specified, the end user has a guarantee that power will be generated quietly, economically and above all reliably in any climate.

Other users needing clean and reliable portable power can depend upon a QAS generator. From mining, industry and telecommunications through to outdoor events and demanding medical back-up applications, QAS is the best generator for the job.

QAS. The best investment you can make for your business

Durability



Built tough to survive rough handling

QAS generators are mounted on rugged skids. This enables individual units to be placed on rough, poorly prepared surfaces. The generator canopy is produced from durable high grade, Zincor coated steel. Resistant to extreme weather conditions and extremely tough, the canopy provides protection from third party interference with high security locks on the access doors.

Portable and easy to move

Compact and light in relation to their output and overall performance, QAS generators are purpose engineered to ease transportation. The rigid body structure enables all QAS models to be raised by crane via a single, high strength lifting eye. This is positioned for a stable and well balanced lift. Where handling is done via a lift truck, the integrated body skid has fork lift apertures carefully positioned to make handling safe and secure. Once on the ground, all models can be pushed into their operating position



QAS. The one generator that does it all

Efficiency

Built to take extreme conditions

Atlas Copco has engineered the QAS range so they can operate in any climates. From extreme heat and humid conditions to extended operation at sub zero temperatures, QAS generators will work with equal efficiency. High capacity engine air filters allow operation in dusty environments.

Genuine versatility

QAS generators are tough enough to be operated in any location, with no need for special site preparation. This is combined with the ability to generate mission critical power suitable for any application. From construction sites and factories to telecommunications centers and hospitals, a QAS generator is always the right choice.

Increased up-time

All components used in the manufacture of QAS generators have been rigorously tested by Atlas Copco and have a proven track record. To further enhance reliability, QAS generators benefit from advanced engine and alternator control for reliable critical power generation.

Cutting your transport costs

Thanks to their easy portability, QAS generators can be quickly and economically moved between sites. This reduces down time and increases earning capacity.

Reducing total cost of ownership

Operating costs are influenced by factors that include downtime lost to service and transport and the resale value of the unit at the end of its life. Atlas Copco has all these bases covered with QAS.

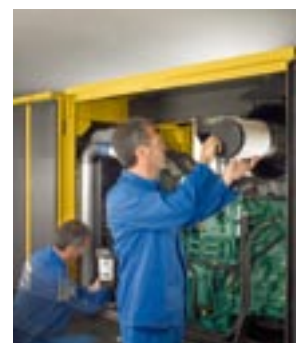
- QAS generators are designed to keep service downtime to an absolute minimum with an extended service interval of 500 hours. Atlas Copco Service Packs are available. These include all necessary filters and service items to reduce the need for costly parts inventories.
- QAS generators are engineered to operate at optimum efficiency. Fuel consumption for the power generated is best in class. End users will demand the high efficiency only QAS can deliver. When other generators are idle, QAS models will be out earning.
- Compact and ready to go. Designed to be easily moved between sites to reduce transport time and costs, QAS generators can be moved between sites and installed quickly. There is no need for costly site preparation. QAS models are ready to go quickly.

Premium residual value

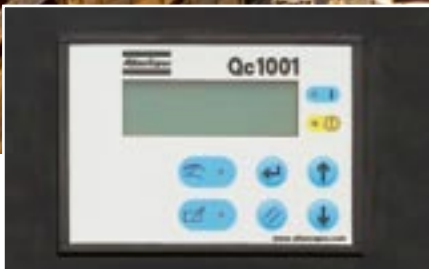
The best residual values in the industry. Atlas Copco engineering is a guarantee of reliable, long life performance. Second users will always pay a premium for Atlas Copco quality. The high value of a used QAS generator is a key to reducing whole life costs.

Ease of service

Good service access is critical to reduce downtime. From the outset, all Atlas Copco generators are designed to consider the needs of service personnel, with large access doors in the canopy. A further development is fixed interval servicing with scheduled component replacement at clearly specified intervals. This enables service costs to be calculated in advance to help your business operate efficiently. Excluding routine maintenance checks, service intervals are set at 500 hours.



Reliability



Single point control system

A comprehensive instrument panel enables all key operating functions to be supervised without opening the canopy. Protected by a tough transparent cover, the single panel provides easy start up and control of the generator. The panel also provides full system monitoring to ease operation.



High performance to power ratio

To optimize performance and efficiency, the engine and alternator combination in Atlas Copco generators are carefully matched. QAS models take high levels of Single Load Steps in their stride. This critical performance advantage enables a QAS generator to be specified in applications that would previously have required a higher kVA rating. Of equal importance, stability of output is guaranteed. This vital feature ensures consistent power generation as demand varies. Power surges are eliminated, allowing the safe operation of sensitive and critical equipment.



High performance filters to protect your investment

The key to a dependable engine is the removal of contaminants from the intake air, oil and fuel. All QAS engines are protected by heavy duty, high volume two stage air filters. Before fuel reaches the main fuel filter, it has to pass through a pre-filter with water separator. In line with 500 hour engine oil drain periods, the oil filter used on all QAS models is purpose developed for a long service life with no compromise on its filtration ability.

Health, Safety and Environment



We care about the environment

Atlas Copco believes in doing business in a manner that preserves the environment for future generations. So even as legislation for environmental protection gets tougher each and every year, Atlas Copco meets and often surpasses those benchmarks.



Exhaust emissions

All engines powering QAS generators meet or exceed exhaust emission standards that prevail in different markets.

Safety for operators and third parties

QAS generators are designed to ensure personnel accessing the engine and alternator during operation are protected from both moving and hot components. The door handles and the fuel filler can be locked to prevent unauthorized access or operation.

Low noise for 24hr operation

QAS generators are whisper quiet. The foam lined canopy is exceptionally effective at reducing sound levels to ensure full compliance with European noise regulations (OND 2000/14 EC). QAS generators are suitable for use at night in noise sensitive locations to include residential areas and hospitals.

Responsibility

The products are not only designed to operate with the environment in mind, but the way they are manufactured is as important:

- to prevent any kind of oil, coolant or fuel pollution - spillage free frames are available on all models as an option.
- environmentally friendly materials are used that are not only less energy consuming to make, but recyclable as well.

As a company, we take our engagements seriously, and to this end have obtained and maintained the ISO 14001 certification:

- that proves that we implement, maintain and improve our own environmental management systems.
- that ensures conformance to our own stated standards and policies in the matter.
- that ensures compliance with environmental laws and regulations.

The environment - today and for future generations - is a top priority for our company. We aim to set the standards by which others will be judged. And we aim to maintain those standards for many years to come.

Technical Data

Performance data (1)

Type		QAS 150 50 Hz	QAS 200 50/60 Hz	QAS 250 50/60 Hz	QAS 325 50/60 Hz
Rated speed	r/min	1500	1500 / 1800	1500 / 1800	1500 / 1800
Rated power factor (lagging)		0.8	0.8	0.8	0.8
Rated Prime power	kVA	150	200 / 238	250 / 262	325 / 345
Rated Standby power	kVA	165	220 / 242	275 / 302	358 / 394
Rated Voltage Line to line	V	400	400 / 480	400 / 480	400 / 480
Rated Current	A	216	289 / 286	361 / 315	469 / 415
Maximum sound power level (LWA) according to 2000/14/EC OND	dB(A)	97	97	97	97 / 102
Maximum sound pressure level at 7m and 75% load	dB(A)	70.3	69.6	70.1	71 / 73.9

Basic unit

Fuel autonomy at full load	h	16	13.4	10.6 / 9.7	7.2 / 6.3
Capacity fuel tank	l	530	530	530	477

Design data

Alternator

Make		Mecc Alte	Mecc Alte	Mecc Alte	Mecc Alte
Insulation (rotor & stator)	class	H	H	H	H
Degree of protection	IP	21	21	21	21

Engine

Make		Volvo	Volvo	Volvo	Volvo
Model		TAD720GE	TWD740GE	TAD740GE	TAD941GE
Rated net power	kW	132	181 / 207	220 / 228	280 / 296
Number of cylinders		6	6	6	6
Coolant		liquid	liquid	liquid	liquid
Aspiration		Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled	Turbocharged & Intercooled
Displacement	l	7.15	7.28	7.28	9.36

Unit dimensions (Basic unit)

		QAS 150	QAS 200	QAS 250	QAS 325
Length	m	3.47	3.47	3.95	3.95
Width	m	1.43	1.43	1.43	1.43
Height	m	2.13	2.13	2.13	2.13
Weight (dry)	kg	3005	3296	3443	3984
Weight (ready to operate)	kg	3383	3740	3860	4384

Built and tested to ISO 9001 quality assurance standards

Atlas Copco's stringent manufacturing standards follow ISO 9001 quality assurance regulations. All components are produced and tested to exacting standards for optimum performance in the most demanding conditions.

⁽¹⁾ Reference condition:

For engine performance to ISO 3046/1-1995
Standard reference conditions are: 27°C air inlet temperature, 150m above sea level.

Options	QAS 150	QAS 200	QAS 250	QAS 325
Low voltage	○	○	○	○
Multi voltage with selector switch	○	○	○	○
Battery charger	○	○	○	○
Changeover contactors 325 A	○	○	—	—
Changeover contactors 400 A	—	—	○	—
Changeover contactors 500 A	—	—	—	○
Neutral EDF	○	○	○	○
Overvoltage and undervoltage protection (O.U.R.)	●	●	●	●
1-phase socket 16 A (rim, pin or CEE version)	○	○	○	○
Dual frequency 50 Hz and 60 Hz	—	○	○	●
Paralleling device Qc 4001™ with Automatic Mains Failure (AMF)	○	○	○	○
Automatic Mains Failure (AMF)	○	○	○	—
Customer colour	○	○	○	○
External fuel tank connection	○	○	○	○
Spillage-free skid	○	○	○	○

Standard: ● Option: ○ Not available: —

Safeguarding your investment and your peace of mind



The availability, quality and maintenance of your generator has a direct effect on your production performance and ultimately affects your bottom line. Irregular, insufficient or unprofessional maintenance can result in expensive downtime with a subsequent loss of production, affecting your profitability and damaging your reputation. Atlas Copco carefully monitors the maintenance needs of all its generators. Service intervals are established to ensure optimum performance is maintained and operating costs reduced. Proper maintenance will ensure your generator runs as efficiently and economically as possible.

Atlas Copco has compiled a portfolio of aftermarket services that guarantee the protection of your investment and provide the highest quality service, both locally and worldwide. Depending on your requirements, we can deliver parts kits, cover your individual service calls or provide a range of service plans, all tailored to suit your needs.

Genuine Parts

Atlas Copco makes no compromise on the quality of replacement parts: only genuine parts provide the longevity and reliability you require. Selected high quality Atlas Copco engine oils are also available. These meet the stringent quality specifications required to enable your unit to run smoothly, shift after shift.

ServicePlan

For complete peace of mind, Atlas Copco has a range of service agreements to suit your needs. Maintenance budgets are clear and simple, with prices fixed in advance. Operational costs come down and efficiency goes up. You choose the service options and the time period to suit your needs.

Commitment

Atlas Copco employs two thousand factory trained service technicians in over 150 countries worldwide. Should a problem ever occur, access to their expertise is only a telephone call away. With years of experience and ongoing investment, these QAS generators are designed with reliability in mind and meet the highest quality standards. The entire unit is guaranteed from any defects for a full 1 year from the date of start-up. Some restrictions do apply as it relates to hours of operation.