

Atlas Copco Generators

QAS, a benchmark for critical power



QAS 500



Increased availability for new operations

Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: “peace of mind” operation.

Reduced transport and installation costs

The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.

Sustainable Productivity

Atlas Copco



Qc4002™ Control module

The Qc4002™ is our advanced control panel, amongst other features it allows for synchronisation between multiple generators or the mains.



Qc1002™ Control module Local/remote start:

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.



Qc2002™ Control module Local/remote start/AMF start panel offering:

Next to local start and remote start also automatic mains failure (mains monitoring + automatic starting and stopping of the generator + automatic control of a panel with contactors to switch between generator and mains)

Technical Data ⁽¹⁾

Type	QAS 500 50Hz / 60Hz	
Rated speed	r/min	1500 / 1800
Rated power factor (lagging)		0.8
Rated prime power	kVA	500 / 571
Rated standby power	kVA	550 / 628
Rated voltage line to line	V	400 / 480
Rated current	A	722 / 687
Maximum sound power level (LWA) according to 2000/14/EC OND	dB(A)	99 / 100

Basic unit		
Fuel autonomy at full load	h	9.4 / 7.8
Capacity fuel tank	l	905

Alternator - Leroy-Somer		
Degree of protection / Insulation class		IP 23/H

Engine - Volvo		
Model		TAD1641GE
Rated net power (with fan)	kW	430 / 485
Number of cylinders		6
Coolant		liquid
Aspiration		Turbocharged & Intercooled
Displacement	l	16.12

Unit dimensions (Basic unit)		
L x W x H	m	4.80 x 1.55 x 2.30
Weight (dry)	kg	5348
Weight (ready to operate)	kg	6252

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.
Air inlet temperature:
from -18°C to 40°C at 50 Hz
Maximum altitude above sea level:
without derating: 1000 m
with derating:
4000 m
Max. 50°C Air inlet temperature

Health, Safety and Environment

All generators meet current European requirements relating to the working environment and regulations concerning safety, exhaust emissions and noise. All models comply with the outdoor noise directive 2000/14/EC. Atlas Copco has fully implemented its Environmental Management System into the design and manufacture process of the machines fulfilling the requirements of ISO 14001.

Standard features	QAS 500
Dual frequency	●
Qc1002™ (over and undervoltage protection, remote start)	●
Battery switch	●
Sound attenuated and rugged Zincor steel enclosure	●
Spillage free frame (integrated forklift pockets, 110% containment)	●
Big doors & service plates for superior accessibility	●
External fuel tank connection	●
Dual stage heavy duty airfilter + safety cartridge	●
Dual stage fuel filter with water separation	●
Oil drain pump	●
PMG alternator	●

Electrical options	QAS 500
Qc2002™ (AMF package + battery charger + coolant heater)	○
Qc4002™ (Paralleling & PMS package + battery charger + coolant heater)	○
3 Phase sockets configuration	○
1-phase socket 16 A (rim, pin or CEE version)	○
Neutral EDF	○
Cosmos™	○
Dual voltage variant with voltage selector switch	○

Mechanical options	QAS 500
Quick couplings for external fuel tank connection	○
Additional fuel filter	○
Refinery equipment (spark arrestor and air shut off valve)	○
Customer colour	○

Standard : ● Option : ○