

The Atlas Copco logo is displayed in white italicized text within a blue rectangular box, which is part of a larger blue graphic element in the top right corner of the page.

*Atlas Copco*

A blue triangular graphic in the bottom left corner contains a white technical drawing of a circular mechanical component with various dimensions and labels. The text is overlaid on this graphic.

**A game changer.  
The perfect fit,  
for your loads needs**

QAS 60/35 VSG (Variable Speed Generator)




# QAS 60/35 VSG, the game changer

Low-load operation problems are now a thing of the past with the Atlas Copco's latest addition to its QAS generator the QAS 60/35 VSG (Variable Speed Generator), which represents a game changer in terms of operational savings, performance and reliability.

The superior low-load performance of the QAS 60/35 VSG, which features automatic variable speed control from 950 to 2550 rpm and a built-in Energy Storage System (ESS), enables fuel consumption levels to be reduced by up to 40 % against comparable models. At the same time it helps increase reliability in applications with an average load of less than 20 %, such as construction projects, outdoor events or telecoms service duties.

**VARIABLE  
SPEED**   
**950-2550 RPM**

**+70% kW**  
 **PEAK POWER  
VS NOMINAL**

**HIGH UTILIZATION**  
**6 IN 1** 

**UP TO  
55% MORE  
COMPACT** 

**UP TO  
40% LESS**   
**FUEL AND  
CO<sub>2</sub> EMISSIONS**





# Stop losing money when working with low loads

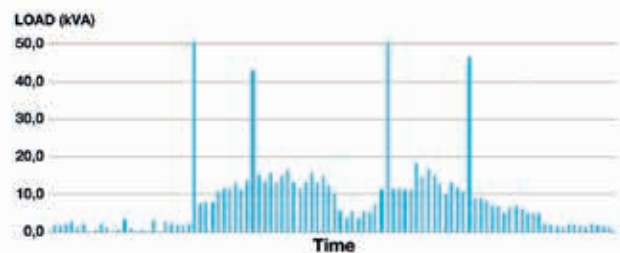
The average load factor on construction sites working with cranes, pumps and motors is 10%. The QAS 60/35 VSG covers a wide range of power nodes from 9kVA to 60kVA thanks to the unique variable speed technology. What is more, it is like having 6 power nodes models in 1.

In a working day:

with QAS VSG  
(variable speed generator)



UP TO  
**40%**  
LESS FUEL



# A unique product

## BECAUSE YOU HAVE VARIABLE LOADS AND YOU NEED **EFFICIENCY** AND **RELIABILITY**:

- **Unique** innovative variable speed technology: 950 to 2550 rpm.
- State of the art IP 65 power electronics and integrated energy storage system, guarantees stable voltage and frequency, regardless of the engine speed with high step load capabilities.

**VARIABLE  
SPEED**  
**950-2550 RPM**

**+70% kW  
PEAK POWER  
VS NOMINAL**

## INCREASE **UTILIZATION** AND **VERSATILITY** TO YOUR FLEET

- 1 single QAS 60/35 VSG can replace up to **6 power nodes** of typical generator (from 9kVA to 60kVA)
- The integrated **Energy Storage System** will increase the Peak Power capabilities by 70%, matching the motor starting performance of 60kVA prime power generator or even bigger ones.

**HIGH UTILIZATION**  
**6 IN 1**

**STABLE VOLTAGE  
GUARANTEED  
NO VOLTAGE DROP!!**

**SERVICE  
INTERVAL (HRS)**  
**500**







## BECAUSE YOU CARE ABOUT THE ENVIRONMENT:

- QAS 60/35 VSG contributes to a reduced carbon footprint.
- 1 single unit working 1.500hrs per year emits 4.500 kg. less of CO<sub>2</sub> than other generators working in similar application

UP TO  
**40%**  
LESS CO<sub>2</sub> EMISSIONS

## IT'S A GENERATOR DESIGNED TO BE MOVED AROUND

- The compact QAS 60/35VSG offers dimensions up to 55% smaller than generators working on similar applications.
- This makes them **easier to transport** and position on site, thereby creating safer working conditions.
- Integrated lifting structure with single elevation point withstands four times the weight without breaking.
- Sturdy multidrop base frame with integrated forklift pockets.
- 110% self fluid containment.

## EFFICIENT, NOT WASTEFUL:

- QAS 60/35 VSG technology brings fuel savings up to 40% on typical construction, events or telecom applications.
- The standard fuel tank enable autonomies longer than 14hrs running at 75% load and up to 70hrs running at 10%

UP TO  
**55% MORE  
COMPACT**

## Mechanical options

- Oil drain pump
- Cold start (synthetic oil)
- Spark arrestor
- Skid base frame 24h (long autonomy fuel tank)
- External Fuel Connection (EFT)
- Quick couplings
- Cold flow
- Road trailer with adjustable towbar
- Canopy and base frame special color

## Electrical options

- Coolant heater
- Battery charger
- Insulation monitoring relay (ITR)
- Fleetlink basic or CAN VSG
- Sockets IP67 5P63+5P32+DS
- Sockets IP67 with ELCB (5P32+5P16+DS)
- Domestic sockets (CEE, RIM, PIN)



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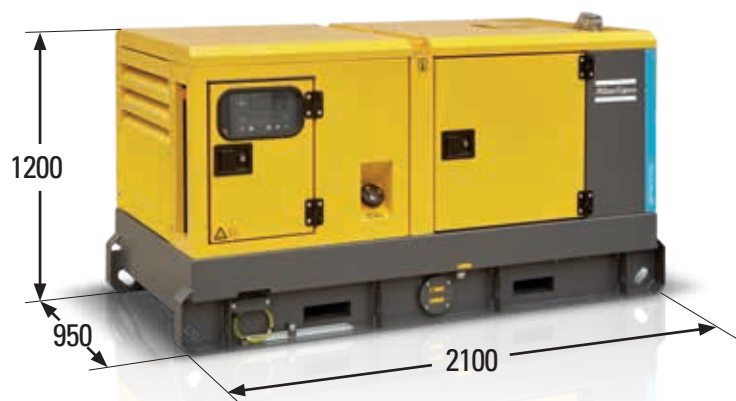


**Small footprint.  
6 models in 1**

55% more compact

# Technical data

Electrical data		QAS 60/35 VSG
Rated frequency	Hz	50   60
Rated voltage	V	400   480
Nominal Prime power (PRP)	kVA/kW	35 / 28
Peak Prime power (PRP)	kVA/kW	53 / 42
Rated Speed	RPM	950 - 2550
Power factor cos Ø		0,8
Single step load capability (G3) acc. ISO-8528/5	%	100
Fuel consumption		
Fuel tank capacity (standard/optional long autonomy fuel tank)	l	85 / 260
Fuel consumption at 50% load PRP load	l/h	4,5
Fuel autonomy at 50% load (standard/optional long autonomy fuel tank)	h	18 / 57
Engine data		
Make		Kubota
Model		V2403M-DI
Cooling		Water
Speed governing		Electronic
Combustion system		Direct Injection
Emission compliance		EU Stage IIIA
Control and power cubicle		
Digital controller		Qc 1212
Electrical protection		4 Pole breaker and earth leakage relay
Socket compartment		Sockets IP67 5P63A-32A + DS or Sockets IP67 RCBO 5P32-16A + DS
Dimensions		
Dimensions L x W x H (standard/optional long autonomy fuel tank)	mm	2100 x 950 x 1200 / 1500
Weight : dry /wet	kg	875 / 955



# Product portfolio

## GENERATORS

**PORTABLE**  
1,6–12 kVA



**MOBILE**  
9–1250\* kVA



**INDUSTRIAL**  
10–2250\* kVA



**CONTAINERS**  
800–1450 kVA



\*Multiple configurations available to produce power for any size application

## DEWATERING PUMPS

**ELECTRIC SUBMERSIBLE**  
250–16.200 l/min



**SURFACE PUMPS**  
833–23.300 l/min



**SMALL PORTABLE**  
210–2500 l/min



Diesel and electric options available

## LIGHT TOWERS

**DIESEL LED AND MH**



**BATTERY LED**



**ELECTRIC LED**



## AIR COMPRESSORS AND HANDHELD TOOLS

**AIR COMPRESSORS**  
1–116 m<sup>3</sup>/min  
7–345 bar



**HANDHELD TOOLS**  
Pneumatic  
Hydraulic  
Petrol engine driven



## ONLINE SOLUTIONS

**SHOP ONLINE  
PARTS ONLINE**

Find and order the spare parts for power equipment. We handle your orders 24 hours a day.



**POWER CONNECT**

Scan the QR code on your machine, and go to the QR Connect Portal to find all the information about your machine.



**LIGHT THE POWER  
YOUR SIZING TOOL**

A useful calculator to help you choose the best solution for your power and light needs



**FLEETLINK**

Intelligent telematics system that helps optimize fleet usage, reduce maintenance costs, ultimately saving time and cost.



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