

The power of connectivity

The QAS range is feature packed and comes with the ruggedness and reliability you demand from a generator. However, there are features that really set the QAS apart – we sum it up under the power of connectivity.

Firstly, QAS generators are built for multi-drop use and designed to be moved regularly. Whether that be a few metres or hundreds of miles, you can be assured of their easy, safe movement capabilities and guaranteed performance, even in the harshest conditions. This makes the QAS perfect for rental applications and heavy duty construction use.

These generators are also unrivalled when it comes to flexibility, thanks to their simple paralleling capability. We understand that your need for power can be ever changing. The modular design focusses on being able to connect multiple generators in the simplest way – making an installation that optimizes efficiency. The built-in Power Management System (PMS) enables the optimisation of fuel consumption and expands the generators' lifetime.


The QAS range provides complete power solutions, making this series the preferred choice for a wide range of applications throughout the world. Don't just invest in a power generator – Invest in a generator which has the power of connectivity!




 **<2 Hrs**
EVERY 1000 Hrs

GRANTED **100% LOAD STEP CAPABILITY** 

UP TO **25% SMALLER FOOTPRINT** 

10 MVA STABLE POWER
<15 SECONDS 

50% HIGHER RESALE VALUE 
AFTER 5 YEARS

DUAL STAGE FILTERING,
DOUBLE LIFETIME 

Data may change depending on models.

Wherever you need power

The multi-drop solution



QAS range

Standard features*

INTEGRATED CONTROL AND POWER CUBICLE:

- Digital controller
- 4 Pole breaker
- Earth leakage protection
- Dedicated socket compartment
- Emergency stop

EASY ACCESS AND SERVICE:

- 1-side serviceability through big access doors and panels
- Access to alternator (AVR and diode bridge)
- Full access to engine
- Direct radiator cleaning access
- External drain points access

DESIGN TO QUICK AND SAFE INSTALLATION

- Plug and play cable connection
- Pass through cable path, natural bend and strain relief
- Plexi cover for terminal board protection

PUTTING YOU IN CONTROL

- Dual frequency system > 40kVA
 - Qc4004 - Paralleling application controller for StageV units
 - Qc4003 - Paralleling applications controller for non StageV units
- Dual frequency
- Auxiliary winding alternator



*Options available may change depending on model selected. Please consult with your local Atlas Copco customer centre.



HIGH PERFORMANCE:

- High cooling performance radiator with ParCOOL for 100% prime power operation
- Sound attenuated and rugged galvanized steel enclosure

LOW OPERATIONAL COST AND SHORT SERVICE TIME:

- Decreased service downtime due to heavy duty fuel filtration system with water separator
- Extend engine life time because of Dual Stage Air Filtration with safety cartridge
- Oil drain pump
- Lockable external fuel filling point

SAFE AND EFFICIENT TRANSPORT:

- Integrated lifting structure with single elevation point
- Sturdy multidrop base frame with integrated forklift pockets
- 110% self containment
- Transport bumpers

Make the perfect power

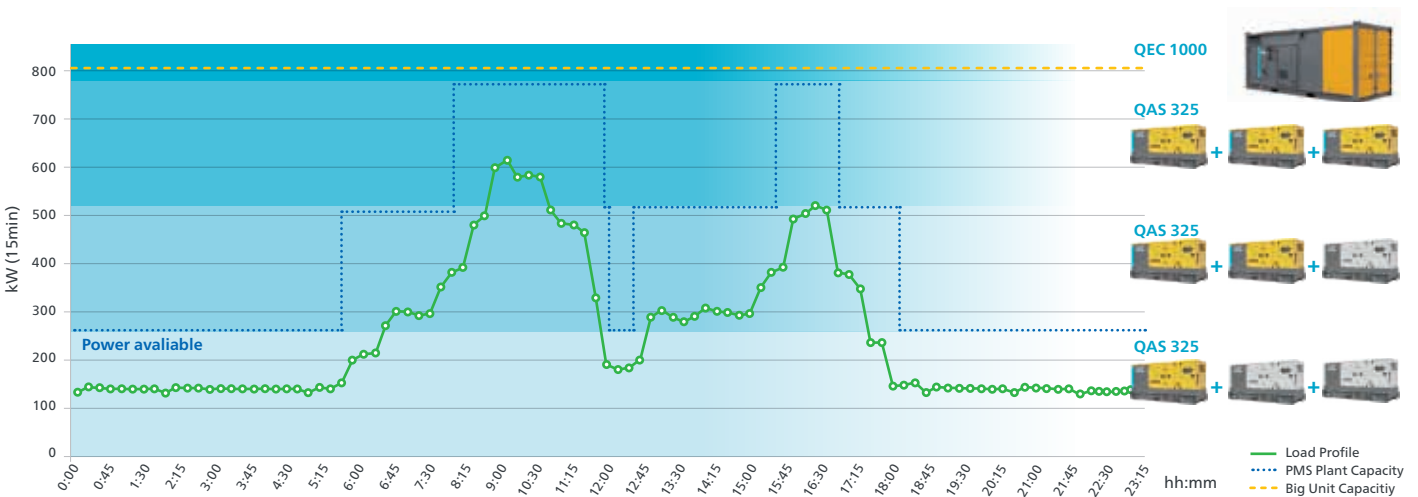
When you need power, maybe a single generator is not always the most efficient solution. Does the application load vary? Do you need prime power for long term projects on a remote site? Do you need a semi-permanent installation that can be upgraded or downgraded?

A **Modular Power Plant** (or paralleling multiple generators) is the efficient solution if you answered yes to any of the above questions. Simply, this is a configuration of generators working together.



* Optional from 80kVA.

We have developed a unique Power Management System (PMS). The PMS system enables the optimisation of fuel consumption and expands the generator's lifetime. PMS manages the quantity of generators running in parallel with load demand, starting and stopping units in line with increases or decreases in load. In this way, the load on each generator remains at a level which optimises fuel consumption. It also eliminates the need for generators to run with low load levels, which can cause engine damage and shorten the life expectancy of the equipment.



Note: this data is simulated. It's based on a typical industrial daily load diagram.

Just one example:

The deployment of a **1MVA** generator as a prime power source, taking the demand patterns of a typical industrial application as a guide, could mean **up to 1677 litres** of fuel being consumed each day. That compares with approximately 1558 litres of fuel if three 325 kVA generators were doing the same job. In this case, an estimated **annual fuel saving of €30.000** makes for a compelling case, not to mention **85 tons of CO₂ saved** over the course of a year.

The power of connectivity

QAS generators

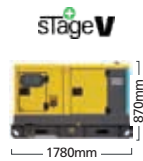
24/7 x 365 in over 180 countries.

Power is critical – there is no room for compromise!



QAS range Stage V

Technical data



| Electrical data | | QAS 14 Stage V | QAS 20 Stage V | QAS 30 Stage V | QAS 45 Stage V |
|--|----------|-----------------------|-----------------------|---|---|
| Rated frequency (1) | Hz | 50 | 50 | 50 | 50 |
| Rated voltage (2) | V | 400 | 400 | 400 | 400 |
| Prime power (PRP) | kVA / kW | 14,1 / 11,3 | 17 / 13,6 | 28 / 22,5 | 43,5 / 35 |
| Rated standby power (ESP) | kVA / kW | 15,5 / 12,4 | 18,7 / 15 | 31 / 25 | 47,6 / 38 |
| Power factor cos φ | | 0,8 | 0,8 | 0,8 | 0,8 |
| Rated current (PRP) | A | 20,4 | 24,5 | 41 | 63 |
| Single step load acceptance (G2) acc. ISO-8528/5 | % | 100 | 100 | 100 | 100 |
| Operating temperature (min/max) | °C | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 |
| Fuel consumption | | | | | |
| Fuel tank capacity (Standard / optional long autonomy fuel tank) | l | 115 | 115 | 92 / 282 | 92 / 282 |
| Fuel consumption at 100% PRP load | l / h | 3,7 | 4,6 | 6,3 | 10,1 |
| Fuel autonomy at full load (Standard / optional long autonomy fuel tank) | h | 30,5 | 25 | 14 / 44 | 9 / 28 |
| Engine | | | | | |
| Model (EU Stage compliant) | | KUBOTA D1703M-E4BG | KUBOTA V2203M-E4BG | KUBOTA V2403 CRT E5 | KUBOTA V3800-CRT E5 |
| Speed | rpm | 1500 | 1500 | 1500 | 1500 |
| Rated net power (with fan) | kWm | 13,2 | 15,8 | 25,5 | 38,9 |
| Aspiration | | Natural aspired | Natural aspired | Turbocharged and air-to-air aftercooled | Turbocharged and air-to-air aftercooled |
| Speed control | | Electronic | Electronic | Electronic | Electronic |
| Number of cylinders | | 3 | 4 | 4 | 4 |
| Coolant | | Parcool | Parcool | Parcool | Parcool |
| Swept volume | l | 1,7 | 2,2 | 2,4 | 3,8 |
| Alternator | | | | | |
| Model | | LEROY SOMER LSA 40 S3 | LEROY SOMER LSA 40 M5 | LEROY SOMER TAL 042C | LEROY SOMER TAL 042F |
| Rated Output (ESP 27°C) | kVA | 16,5 | 22 | 35 | 50 |
| Degree of protection / Insulation class | | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H |
| Excitation type / AVR model | | SHUNT / R220 | SHUNT / R220 | AREP / R180 | AREP / R180 |
| Noise level | | | | | |
| Sound power level (LwA) | dB(A) | 87 | 88 | 88 | 88 |
| Sound pressure level (LpA) at 7m | dB(A) | 59 | 60 | 60 | 60 |
| Dimensions and weight (standard with optional long autonomy fuel tank) | | | | | |
| Length | mm | 1780 | 1780 | 2100 2100 | 2100 2100 |
| Width | mm | 870 | 870 | 950 950 | 950 950 |
| Height | mm | 1200 | 1200 | 1300 1600 | 1300 1600 |
| Weight (dry / wet) | kg | 651 / 750 | 696 / 795 | 810 / 905 891 / 1150 | 985 / 1065 1066 / 1310 |

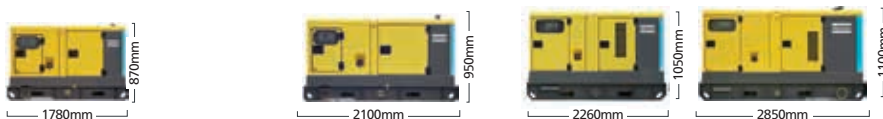
(1) 60Hz models available, please consult.
 (2) Other voltages available, please consult.
 (3) For EU Stage 2 basic data contact to Atlas Copco support

* Standard tank is already long autonomy
 Not all the standards or options are available in all the range, for further information contact to Atlas Copco support



QAS range

Technical data



| Electrical data | | QAS 14 | QAS 20 | QAS 30 | QAS 40 | QAS 60 | QAS 100 |
|--|----------|-------------|---------------------|-------------------|----------|-------------------|----------------------|
| Rated frequency (1) | Hz | 50 | 50 60 | 50 60 | 50 | 50 60 | 50 60 |
| Rated voltage (2) | V | 400 | 400 480 | 400 480 | 400 | 400 480 | 400 480 |
| Prime power (PRP) | kVA / kW | 14,1 11,3 | 20 / 16 24,3/19,5 | 30 / 24 36 / 29 | 40 / 32 | 60 / 48 67 / 54 | 100 / 80 114 / 91 |
| Rated standby power (ESP) | kVA / kW | 15,5 / 12,4 | 22 / 18 27 / 21,5 | 33 / 26 40 / 32 | 44 / 35 | 66 / 53 74 / 59 | 110 / 88 125 / 100 |
| Power factor cos φ | | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 |
| Rated current (PRP) | A | 20,4 | 29 30 | 43 44 | 58 | 87 81 | 150 137 |
| Single step load acceptance (G2) acc. ISO-8528/5 | % | 100 | 100 | 100 | 77 | 85 95 | 80 85 |
| Operating temperature (min/max) | °C | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 |

Fuel consumption

| | | | | | | | |
|--|-------|------|-------------|-------------------------|----------|----------------------|------------------------|
| Fuel tank capacity (Standard / optional long autonomy fuel tank) | l | 115 | 115 | 92 / 282 | 92 / 282 | 149 / 298 | 250 / 592 |
| Fuel consumption at 100% PRP load | l / h | 3,7 | 4,9 5,3 | 7 8 | 9,5 | 14 17 | 23 26,7 |
| Fuel autonomy at full load (Standard / optional long autonomy fuel tank) | h | 30,5 | 23,5 21,5 | 13,2 / 37 11,5 / 32,2 | 9,7 / 27 | 10 / 20 7,5 / 16,5 | 10 / 23,7 8,6 / 20,4 |

Engine

| | | | | | | | |
|-----------------------------|-----|--------------------|------------------|---------------------|------------------------|------------------------------|------------------------------|
| Model (EU Stage compliant) | | KUBOTA D1703M-E4BG | KUBOTA V2403M-BG | KUBOTA V3300-IDI-BG | KUBOTA V3800-DI-T-E3BG | PERKINS 1104D-44TG2 | PERKINS 1104D-E44TAG2 |
| Speed | rpm | 1500 | 1500 1800 | 1500 1800 | 1500 | 1500 1800 | 1500 1800 |
| Rated net power (with fan) | kWm | 13,2 | 18,8 22,1 | 27 30,7 | 38 | 56,3 60 | 88,6 100 |
| Aspiration | | Natural aspired | Natural aspired | Natural aspired | Turbocharged | Turbocharged and intercooled | Turbocharged and intercooled |
| Speed control | | Electronic | Electronic | Electronic | Electronic | Mechanical / Electronic | Electronic |
| Number of cylinders | | 3 | 4 | 4 | 4 | 4 | 4 |
| Coolant | | Parcool | Parcool | Parcool | Parcool | Parcool | Parcool |
| Swept volume | l | 1,7 | 2,4 | 3,3 | 3,8 | 4,4 | 4,4 |

Alternator

| | | | | | | | |
|---|-----|-----------------------|-----------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| Model | | LEROY SOMER LSA 40 S3 | LEROY SOMER LSA 40 M5 | LEROY SOMER LSA 42.3 V53 | LEROY SOMER LSA 42.3 S5 | LEROY SOMER LSA 42.3 L9 | LEROY SOMER LSA 44.3 S5 |
| Rated Output (ESP 27°C) | kVA | 16,5 | 22 27 | 35 42,4 | 45 | 66 79,5 | 110 131 |
| Degree of protection / Insulation class | | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H |
| Excitation type / AVR model | | SHUNT / R220 | SHUNT / R220 | SHUNT / R220 | SHUNT / R220 | SHUNT / R220 | SHUNT / R250 |

Noise level

| | | | | | | | |
|----------------------------------|-------|----|---------|---------|----|---------|---------|
| Sound power level (LwA) | dB(A) | 87 | 88 92 | 90 93 | 91 | 89 93 | 91 95 |
| Sound pressure level (LpA) at 7m | dB(A) | 59 | 60 64 | 62 65 | 63 | 61 65 | 63 67 |

Dimensions and weight (standard | with optional long autonomy fuel tank)

| | | | | | | | |
|--------------------|----|-----------|-----------|------------------------|--------------------------|---------------------------|---------------------------|
| Length | mm | 1780 | 1780 | 2100 2100 | 2100 2100 | 2260 2260 | 2850 |
| Width | mm | 870 | 870 | 950 950 | 950 950 | 1050 1050 | 1100 |
| Height | mm | 1200 | 1200 | 1200 1500 | 1200 1500 | 1430 1570 | 1620 1740 |
| Weight (dry / wet) | kg | 651 / 750 | 696 / 795 | 917 / 996 998 / 1241 | 962 / 1041 1043 / 1286 | 1305 / 1433 1368 / 1624 | 1777 / 1992 1857 / 2366 |

(1) 60Hz models available, please consult.

(2) Other voltages available, please consult.

(3) For EU Stage 2 basic data contact to Atlas Copco support

* Standard tank is already long autonomy

Not all the standards or options are available in all the range, for further information contact to Atlas Copco support



| Electrical data | | QAS 150 | QAS 200 | QAS 250 | QAS 325 | QAS 400 | QAS 500 | QAS 650 |
|--|----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rated frequency (1) | Hz | 50 60 | 50 60 | 50 60 | 50 60 | 50 60 | 50 60 | 50 60 |
| Rated voltage (2) | V | 400 480 | 400 480 | 400 480 | 400 480 | 400 480 | 400 480 | 400 480 |
| Prime power (PRP) | kVA / kW | 150 / 120 171 / 137 | 200 / 160 225 / 180 | 250 / 200 255 / 204 | 325 / 260 345 / 276 | 405 / 324 418 / 334 | 500 / 400 587 / 470 | 653 / 522 685 / 548 |
| Rated standby power (ESP) | kVA / kW | 165 / 132 188 / 150 | 220 / 176 248 / 198 | 275 / 220 280 / 224 | 341 / 273 380 / 304 | 441 / 353 457 / 366 | 550 / 440 645 / 516 | 716 / 573 752 / 602 |
| Power factor cos φ | | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 |
| Rated current (PRP) | A | 216,5 205,7 | 288 270 | 360 | 469 415 | 584 502 | 722 706 | 942 824 |
| Single step load acceptance (G2) acc. ISO-8528/5 | % | 60 75 | 80 95 | 57 75 | 60 70 | 60 70 | 62 68 | 53 64 |
| Operating temperature (min/max) | °C | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 | -25 / 50 |

Fuel consumption

| | | | | | | | | |
|--|-------|---------------------------|-----------------------|------------------------|--------------------|------------|---------------|-------------|
| Fuel tank capacity (Standard / optional long autonomy fuel tank) | l | 360 / 980 | 496 / 1470 | 469 / 1470 | 640 / 1775 | 640 / 1775 | 970 | 860 |
| Fuel consumption at 100% PRP load | l / h | 30,6 39 | 41,4 49 | 51,4 56 | 68 71 | 83 87 | 102,6 118,6 | 124,4 137 |
| Fuel autonomy at full load (Standard / optional long autonomy fuel tank) | h | 10,3 / 27,2 8 / 21,3 | 10 / 33 8,5 / 28 | 8 / 27 8,4 / 24,6 | 9 / 24 8 / 23 | 7 / 20 | 8,8 7,7 | 7,3 6,6 |

Engine

| | | | | | | | | |
|-----------------------------|-----|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|
| Model (EU Stage compliant) | | VOLVO TAD 751 GE / TAD 731 GE | VOLVO TAD 753 GE / TAD 733 GE | VOLVO TAD 754 GE / TAD 734 GE | VOLVO TAD 1351 GE / TAD 1341 GE | VOLVO TAD 1355 GE / TAD 1344 GE | VOLVO TAD 1651 GE / TAD 1641 GE | VOLVO TWD 1644 GE |
| Speed | rpm | 1500 1800 | 1500 1800 | 1500 1800 | 1500 1800 | 1500 1800 | 1500 1800 | 1500 1800 |
| Rated net power (with fan) | kWm | 132 149 | 173 194 | 217 219 | 279 294 | 344 355 | 430 494 | 554 582 |
| Aspiration | | Turbocharged and intercooled | Turbocharged and intercooled | Turbocharged and intercooled | Turbocharged and intercooled | Turbocharged and intercooled | Turbocharged and intercooled | Turbocharged and intercooled |
| Speed control | | Electronic EMS 2 | Electronic EMS 2 | Electronic EMS 2 | Electronic EMS 2 | Electronic EMS 2 | Electronic EMS 2 | Electronic EMS 2.3 |
| Number of cylinders | | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Coolant | | Parcool | Parcool | Parcool | Parcool | Parcool | Parcool | Parcool |
| Swept volume | l | 7,15 | 7,15 | 7,15 | 12,8 | 12,8 | 16,12 | 16,12 |

Alternator

| | | | | | | | | |
|---|-----|--------------------------|-------------------------|-------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| Model | | LEROY SOMER LSA 44.3 L10 | LEROY SOMER LSA 46.2 M5 | LEROY SOMER LSA 46.2 L6 | LEROY SOMER LSA 46.2 VL13 | LEROY SOMER LSA 47.2 S4 | LEROY SOMER LSA 47.2 M7 | LEROY SOMER LSA 49.3 S4 |
| Rated Output (ESP 27°C) | kVA | 150 188 | 223 | 324 275 | 341 412 | 450 550 | 570 680 | 745 875 |
| Degree of protection / Insulation class | | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H | IP 23 / H |
| Excitation type / AVR model | | SHUNT / R250 | SHUNT / R250 | SHUNT / R250 | SHUNT / R250 | SHUNT / R250 | PMG / 450M | PMG / D350 |

Noise level

| | | | | | | | | |
|----------------------------------|-------|---------|---------|---------|---------|----------|----------|-----------|
| Sound power level (LwA) | dB(A) | 96 99 | 97 99 | 97 99 | 97 99 | 98 100 | 97 100 | 100 104 |
| Sound pressure level (LpA) at 7m | dB(A) | 68 71 | 69 71 | 69 71 | 69 71 | 70 72 | 69 72 | 72 76 |

Dimensions and weight (standard | with optional long autonomy fuel tank)

| | | | | | | | | |
|--------------------|----|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------|-------------|
| Length | mm | 3380 3380 | 3770 3770 | 3770 3770 | 4020 4020 | 4020 4020 | 4800 | 4800 |
| Width | mm | 1180 1180 | 1200 1200 | 1200 1200 | 1390 1390 | 1390 1390 | 1550 | 1550 |
| Height | mm | 1700 2100 | 1880 2240 | 1880 2240 | 2020 2310 | 2020 2310 | 2290 | 2290 |
| Weight (dry / wet) | kg | 2300 / 2610 2517 / 3360 | 2889 / 3292 3129 / 4393 | 2999 / 3402 3239 / 4503 | 4185 / 4735 4395 / 5884 | 4485 / 5035 4695 / 6184 | 5594 / 6426 | 5941 / 6830 |

Product portfolio

GENERATORS

PORTABLE
1,6–12 kVA



MOBILE
9–1250* kVA



INDUSTRIAL
10–2250* kVA



LARGE POWER
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



ZENERGIZE



Diesel and electric options available

LIGHT TOWERS

DIESEL



BATTERY



ELECTRIC



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS
1–116 m³/min
7–345 bar



HANDHELD TOOLS
Pneumatic
Hydraulic
Petrol engine driven



ONLINE SOLUTIONS

SHOP ONLINE PARTS ONLINE

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 is a system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.

