



Atlas Copco



The power of connectivity

QAS generators

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 > 40kVA
- Qc4004 + Qd0701 - Advance paralleling application controller for StageV units
- Qc4003 - Advance paralleling applications controller for non StageV units
- 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?

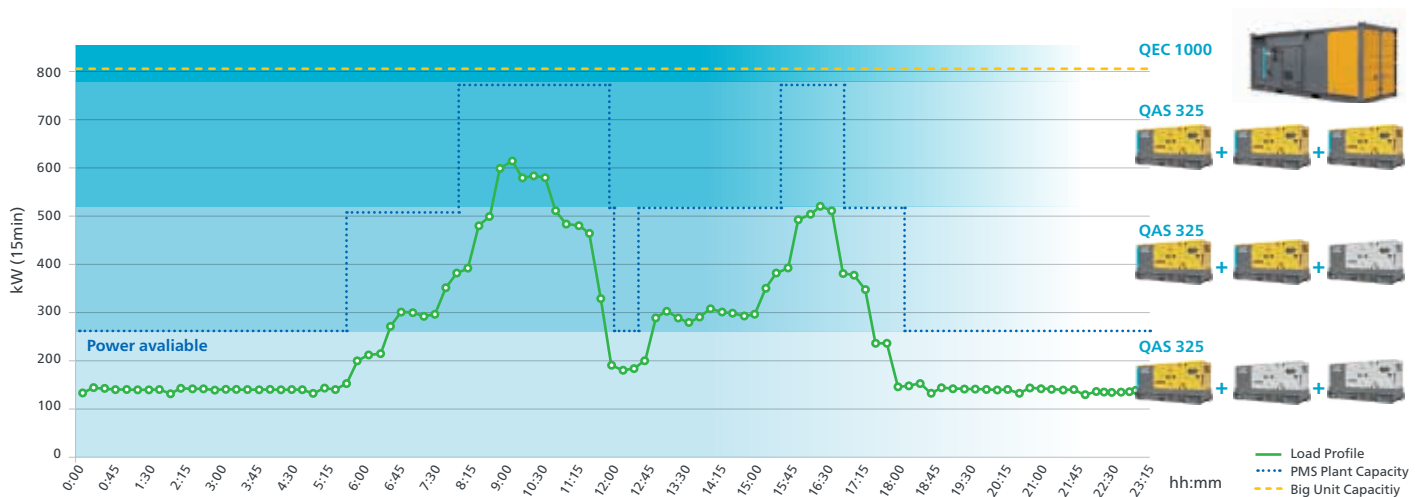
A **Modular Power Plant** (or paralleling multiple generators) is the efficient solution if you answered yes to any of the above questions. Simply, this is a configuration of generators working together.



* 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	QAS 150 Stage V	QAS 200 Stage V
Rated frequency	Hz	50	50	50	50	50 60	50 60
Rated voltage (1)	V	400	400	400	400	400 480	400 480
Prime power (PRP)	kVA / kW	14,1 / 11,3	17,5 / 14	28 / 22,5	43,5 / 35	150/120 175/140	200/160 234/187
Rated standby power (ESP)	kVA / kW	15,5 / 12,4	18,7 / 15	31 / 25	47,6 / 38	165/132 193/154	220/176 258/206
Power factor cos φ		0,8	0,8	0,8	0,8	0,8	0,8
Rated current (PRP)	A	20,4	25	41	63	217 211	289 282
Single step load acceptance (G2) acc. ISO-8528/5	%	100	100	100	100	55 60	55 60
Operating temperature (min/max)	°C	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-15 / 50	-15 / 50
Fuel consumption							
Fuel tank capacity (Standard / optional long autonomy fuel tank)	l	115 (*)	115 (*)	92 / 282	92 / 282	308 / 750	308 / 750
Fuel consumption at 100% PRP load	l / h	3,7	4,6	6,3	10,1	31,9 35,8	39,2 45
Fuel autonomy at full load (Standard / optional long autonomy fuel tank)	h	30,5	25	14 / 44	9 / 28	10/23 8,5/21	8/19 7/17
Engine							
Model (EU Stage compliant)		KUBOTA D1703M-E4BG	KUBOTA V2203M-E4BG	KUBOTA V2403 CRT E5	KUBOTA V3800-CRT E5	FPT N67TEVP02	FPT N67TEVP01
Speed	rpm	1500	1500	1500	1500	1500 1800	1500 1800
Rated net power (with fan)	kWm	13,2	15,8	25,5	38,9	136 150,5	176 200,5
Aspiration		Natural aspired	Natural aspired	Turbocharged and air-to-air aftercooled	Turbocharged and air-to-air aftercooled	Turbocharged and air-to-air aftercooled	Turbocharged and air-to-air aftercooled
Speed control		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Number of cylinders		3	4	4	4	6L	6L
Coolant		Parcool	Parcool	Parcool	Parcool	Parcool	Parcool
Swept volume	l	1,7	2,2	2,4	3,8	6,7	6,7
Exhaust gas after treatment system (2)		N/A	N/A	DOC+DPF	DOC+DPF	DOC+SCRoF +CUC	DOC+SCRoF +CUC
Ad-Blue tank capacity	l	N/A	N/A	N/A	N/A	43	43
Alternator							
Model		LEROY SOMER LSA 40 S3	LEROY SOMER LSA 40 M5	LEROY SOMER TAL 042C	LEROY SOMER TAL 042F	LEROY SOMER TAL 044J	LEROY SOMER TAL 044M
Rated Output (ESP 27°C)	kVA	16,5	22	35	50	165 199	220 265
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	AREP / R180	AREP / R180	AREP / R180	AREP / R180
Noise level							
Sound power level (LwA)	dB(A)	87	88	89	90	96	96
Sound pressure level (LpA) at 7m	dB(A)	59	60	61	62	66	66
Dimensions and weight (standard with optional long autonomy fuel tank)							
Length	mm	1780	1780	2100	2100	3500	3500
Width	mm	870	870	950	950	1160	1160
Height	mm	1200	1200	1300 1600	1300 1600	1850 2100	1850 2100
Weight (dry / wet)	kg	651 / 750	696 / 795	810 / 905 891 / 1150	985 / 1065 1066 / 1310	2465 / 2570	2675 / 2960

(1) Other voltages available, please consult.

* Standard tank is already long autonomy

(2) DOC: Diesel Oxidation Catalyst; DPF: Diesel Particulate Filter; EGR: Exhaust Gas Recirculation; SCRoF: Selective Catalytic Reduction on Filter; CUC: Clean Up Catalyst; SCR: Selective Catalytic Reduction

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

N/A means not apply



QAS range

Technical data



Electrical data		QAS 14	QAS 20	QAS 30	QAS 40	QAS 60	QAS 100
Rated frequency	Hz	50	50 60	50 60	50	50 60	50 60
Rated voltage (1)	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	2260	2850
Width	mm	870	870	950	950	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) Other voltages available, please consult.
* 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	217 206	288 270	360 307	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	8 / 21 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 46.3 S3	LEROY SOMER LSA 46.3 S5	LEROY SOMER LSA 46.3 L10	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	220 275	275 344	358 447	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	3770	3770	4020	4020	4800	4800
Width	mm	1180	1200	1200	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

stageV



MOBILE
9–1250* kVA

stageV



INDUSTRIAL
10–1420* kVA



LARGE POWER
800–1450 kVA

stageV



*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

stageV



Diesel and electric options available

ENERGY STORAGE SYSTEMS

ZENERGIZE
45–1000 kVA



LIGHT TOWERS

DIESEL

stageV



BATTERY



ELECTRIC



AIR COMPRESSORS AND HANDHELD TOOLS

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

stageV



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.



Atlas Copco

Atlas Copco Power Technique
www.atlascopco.com/ptba