



Atlas Copco



The power of connectivity

QAS range (specific markets)

The power of connectivity

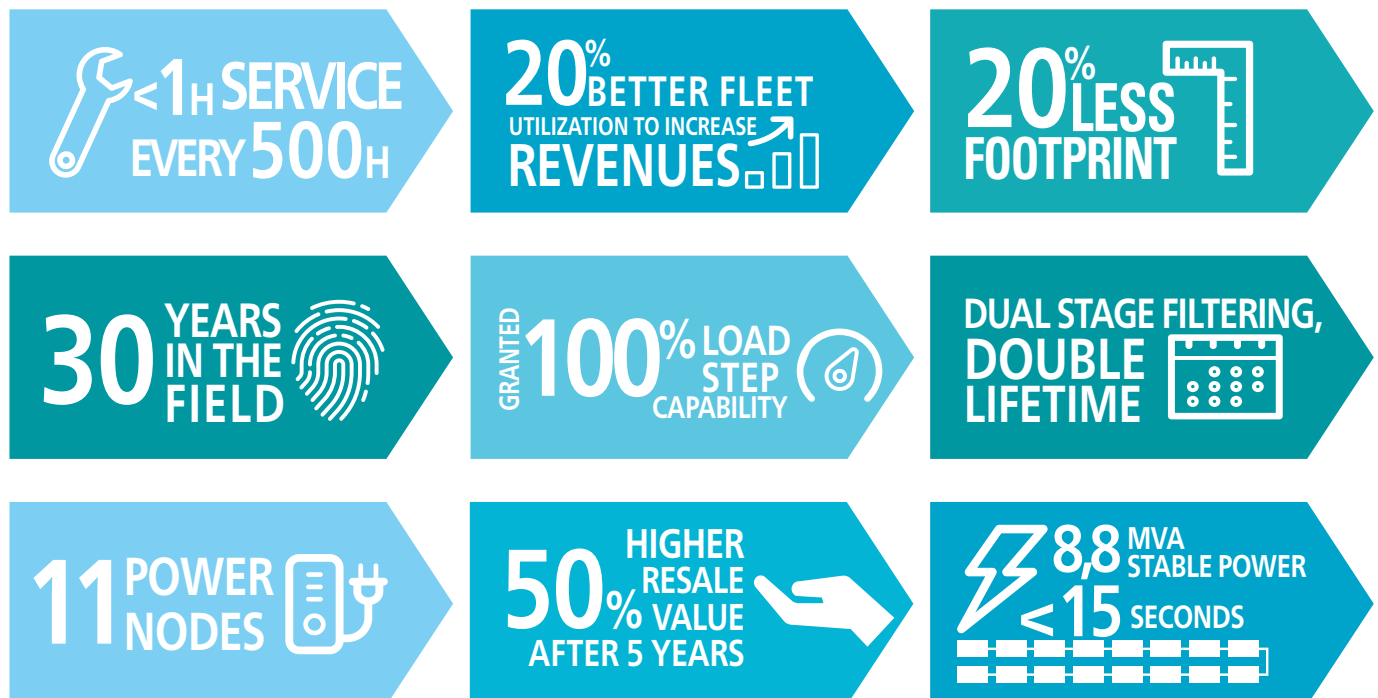
QAS generators

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!



Data may change depending on models.

Atlas Copco

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?

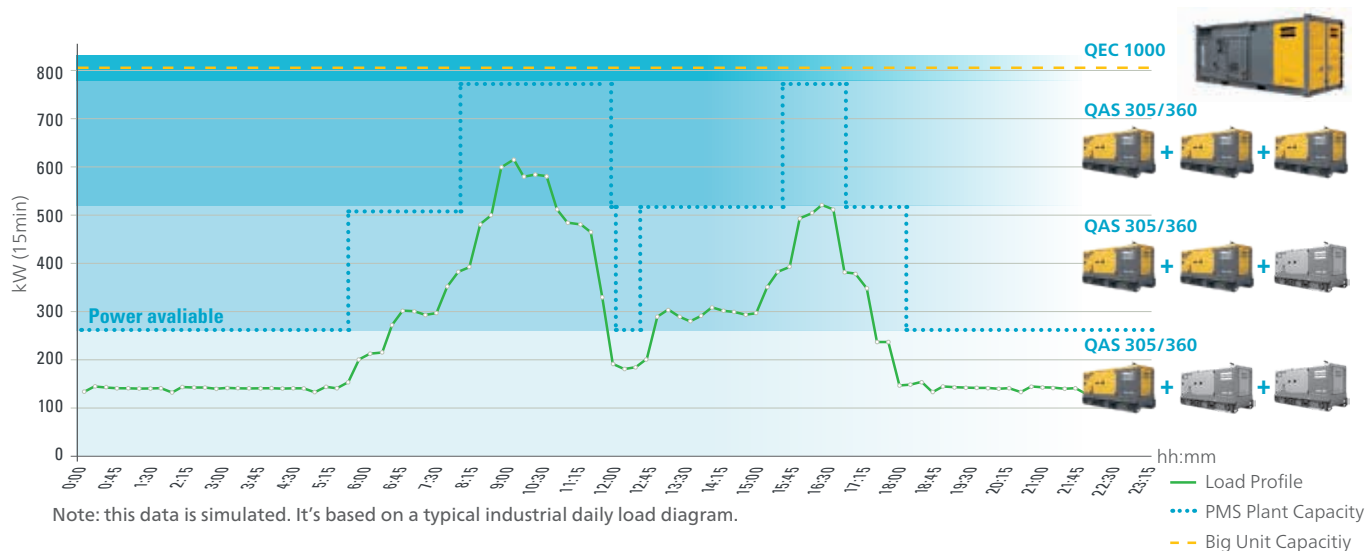
A Modular Power Plant (or paralleling multiple generators) is the efficient solution if you answered yes to any of the above questions. Simply, this is a configuration of generators working together.



* Optional from 225kVA.

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.



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 1,677 litres of fuel being consumed each day. That compares with approximately 1,558 litres of fuel if three 305/360kVA 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.

QAS range

Standard features*

Integrated control and power cubicle:

- Qc2103™ provides full monitoring system and ease of operation
- 3 Pole breaker
- Emergency stop
- Earth leakage protection (optional)

Superior accessibility:

- 1-side serviceability (control panel side) 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

Installation efficiency:

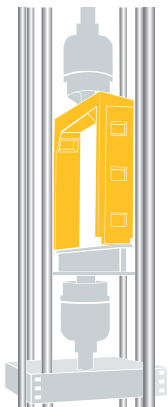
- Plug and play cable connection
- Pass through cable path, natural bend and strain relief
- Plexi cover for terminal board protection



Environmental friendly:

- Spark arrestor (optional)
- 110% self containment (100% certified by Bureau Veritas)





Transport efficiency:

- Integrated lifting structure with single elevation point, positioned in the center of gravity and supports at least 4 times the maximum weight without breaking
- Sturdy multidrop base frame with integrated forklift pockets



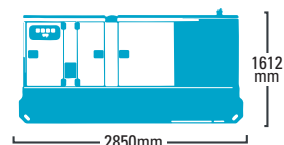
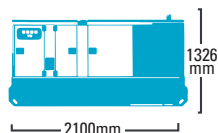
Performance:

- High cooling performance radiator with ParCOOL for 100% prime power operation
- Sound attenuated and rugged galvanized steel enclosure
- Battery charger and coolant heater as standard
- Engine and fuel system design to operate with heavy fuel sulfur >500ppm
- Extreme temperature testing from -25C to 50C
- Tested 100% load step capability

Service efficiency:

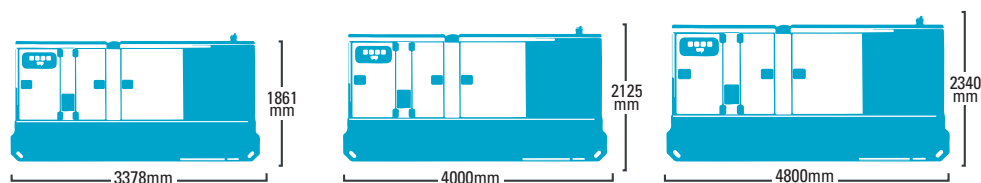
- Decreased service downtime due to heavy duty fuel filtration system with water separator
- Extend engine life time because of Dual Stage Air
- Filter with safety cartridge
- Oil drain pump
- Lockable external fuel filling point
- Engine and alternator design with concept one man service
- Plastic fuel tank with AUTO clean main drain
- Manual oil drain pump (only Scania engine models)

QAS range



TECHNICAL DATA

		QAS 40	QAS 55	QAS 60	QAS 70	QAS 80	QAS 85	QAS 100	QAS 105	QAS 130
Electrical data										
Rated frequency	Hz	60	60	50	60	50	60	50	60	60
Rated voltage	V	440 380 220	440 380 220	400	440 380 220	400	440 380 220	400	440 380 220	440 380 220
Prime power (PRP)	kVA / kW	35,9 / 28,7 35,9 / 28,7 35,9 / 28,7	50 / 40 / 50 / 40 50 / 40	60 / 48	60 / 48 62 / 49,6 60 / 48	80 / 64	68,5 / 54,8 68,5 / 54,8 68,5 / 54,8	101 / 81	92,5 / 74 92,5 / 74 92,5 / 74	117,5 / 94 113,5 / 90,8 117,5 / 94
Rated standby power (ESP)	kVA / kW	39,5 / 31,6 38 / 30,4 39,5 / 31,6	55 / 44 / 55 / 44 55 / 44	67,5 / 54	70 / 56 68 / 54,4 70 / 56	91,3 / 73	79,9 / 63,9 79,9 / 63,9 79,9 / 63,9	116 / 93	101,8 / 81,4 101,8 / 81,4 101,8 / 81,4	131,3 / 105,0 125,5 / 100,4 131,3 / 105,0
Power factor cos φ		0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Rated current (ESP)	A	51,8 57,7 103,7	72,2 83,6 144,3	97,4	91,9 103,3 183,7	131,7	104,8 121,4 209,6	167,8	133,5 154,6 267	172,2 190,7 344,4
Single step load capability (G2) acc. ISO-8528/5	%	100	100	70	100	90	100	70	100	80
Operating temperature (min/max) (Derating on User Manual)	°C	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50
Fuel consumption										
Fuel tank capacity (Standard / optional long autonomy fuel tank)	l	150	150	150	150	248	248	248	248	248
Fuel consumption at 100% PRP load	l / h	8,7	12,9	11,7	16,5	18,1	17,4	22,5	22,2	27
Fuel autonomy at full load (Standard / optional long autonomy fuel tank)	h	17,2	11,6	12,8	9,1	13,7	14	11	11,1	9,2
Engine										
Model		PERKINS 1103A-33G	PERKINS 1103A-33TG1	PERKINS 1103A-33TG2	PERKINS 1103A-33TG2	PERKINS 1104A-44TG2	PERKINS 1104A-44TG1	PERKINS 1104C-44TAG2	PERKINS 1104A-44TG2	PERKINS 1104C-44TAG2
Speed	rpm	1800	1800	1500	1800	1500	1800	1500	1800	1800
Rated net power (with fan)	kW _m	35,4	53,9	59,3	67,5	71,9	68,6	90	82	90
Aspiration		Natural aspired	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Speed control		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Mechanical	Electronic
Number of cylinders		3	3	3	3	4	4	4	4	4
Coolant		Parcool	Parcool	Parcool	Parcool	Parcool	Parcool	Parcool	Parcool	Parcool
Swept volume	l	3,3	3,3	3,3	3,3	4,4	4,4	4,4	4,4	4,4
Alternator										
Model		WEG GTA 162AI32	WEG TA201AI20	WEG GTA 201AIHE	WEG GTA201AI22	WEG GTA202AIVS	WEG GTA201AI25	WEG GTA202AIVJ	WEG GT 202AI34	WEG GTA202AIVJ
Rated Output (ESP 27°C)	kVA	40	58	70	75	88	90	106	120	144
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	IP 23 / H	IP 23 / H
Noise level										
Sound power level (LwA)	dB(A)	96	98	97	97	95	94	99,1	95	100,4
Sound pressure level (LpA) at 7m	dB(A)	70	72	71	71	69	68	73	69	74
Dimensions and weight										
Length	mm	2100	2100	2100	2100	2850	2850	2850	2850	2850
Width	mm	950	950	950	950	1100	1100	1100	1100	1100
Height	mm	1326	1326	1326	1326	1612	1612	1612	1612	1612
Weight (dry / wet)	kg	1166 / 1335	1185 / 1354	1277 / 1396	1277 / 1396	1667 / 1907	1610 / 1850	1567 / 1762	1667 / 1907	1567 / 1762



		QAS 135	QAS 170	QAS 180	QAS 210	QAS 305	QAS 360	QAS 500	QAS 550
Electrical data									
Rated frequency	Hz	50	50	60	60	50	60	50	60
Rated voltage	V	400	400	440 380 220	440 380 220	400	440 380 220	400	440 380 220
Prime power (PRP)	kVA / kW	135 / 108	170 / 136	155 / 124 142 / 113,6 155 / 124	200 / 160 186 / 148 200 / 160	305 / 244	329,3 / 263,4 321 / 256,8 329,3 / 263,4	500 / 400	500 / 400 500 / 400
Rated standby power (ESP)	kVA / kW	155 / 124	204 / 163	178,8 / 143 149 / 119,2 178,8 / 143	210 / 168 205 / 164 210 / 168	315 / 252	363,1 / 290,5 361,5 / 289,2 363,1 / 290,5	531 / 424,8	550 / 440 530 / 424 550 / 440
Power factor cos φ		0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Rated current (ESP)	A	223,7	294	234,5 226,4 469,1	275 311 551	454,7	476,5 549,2 953,0	766,4	721,7 805,3 1443,4
Single step load capability (G2) acc. ISO-8528/5	%	70	70	80	70	60	80	54	70
Operating temperature (min/max) (Derating on User Manual)	°C	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50	0 / 50
Fuel consumption									
Fuel tank capacity (Standard / optional long autonomy fuel tank)	l	360	360	360	360	650	650	820	820
Fuel consumption at 100% PRP load	l / h	30,25	38,7	35	46	63,7	69,3	100	114,8
Fuel autonomy at full load (Standard / optional long autonomy fuel tank)	h	11,9	9,3	10,3	8	10,2	9,4	8,2	7,1
Engine									
Model		PERKINS 1106A-70TG1	PERKINS 1106A-70TAG3*	PERKINS 1106A-70TG1	PERKINS 1106A-70TAG3*	SCANIA DC09 072A	SCANIA DC09 072A	SCANIA DC13 072A	SCANIA DC13 072A
Speed	rpm	1500	1500	1800	1800	1500	1800	1500	1800
Rated net power (with fan)	kW _m	118	158	134	173	282	282	428	428
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Speed control		Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic
Number of cylinders		6	6	6	6	5	5	6	6
Coolant		Parcool	Parcool	Parcool	Parcool	Parcool	Parcool	Parcool	Parcool
Swept volume	l	7	7	7	7	9,3	9,3	12,7	12,7
Alternator									
Model		WEG GTA251AIHD	WEG GTA251AIHE	WEG GTA251AIHD	WEG GTA251AIHE	WEG AG10-25MI10AI	WEG AG10-250MI10AI	WEG AG10-280MI40AI	WEG AG10-280MI40AI
Rated Output (ESP 27°C)	kVA	145	196	183	230	406	380 406	550	550
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	IP 23 / H
Noise level									
Sound power level (L _{WA})	dB(A)	98,6	99	99	102	100,3	101,6	104,7	106,7
Sound pressure level (L _{pA}) at 7m	dB(A)	72	73	73	75	74	75	78	80
Dimensions and weight									
Length	mm	3378	3378	3378	3378	4000	4000	4800	4800
Width	mm	1180	1180	1180	1180	1180	1180	1180	1180
Height	mm	1662	1662	1662	1662	2125	2125	2340	2340
Weight (dry / wet)	kg	2110 / 2410	2110/2410	2110 / 2410	2110 / 2410	3304 / 3937	3304 / 3937	4505 / 4789	4505 / 4789

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
250-23.300 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 m³/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. 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



FLEETLINK

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



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