



## QAS generators

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# QAS generators

The QAS generator range was designed specifically for the needs of the US market. The range has been completely overhauled and incorporates nine models covering power rating from 25 to 625 kVA. All QAS generators include the latest Tier 4 Final engine and have a footprint that is up to 20 per cent smaller than the previous generation. The starting mechanism ensures that stable power is achieved in less than six seconds.



The range is all about the user experience and maintaining the value of your asset. It's packed with features that make operating, transporting and maintenance as easy as possible.

What is more, up to 32 units of the QAS 625 can be linked together in paralleling for specialized applications, providing up to 20MVA of stable and reliable power.

 **SERVICE**  
**<2 Hrs**  
EVERY 500H

**DOUBLE RUNTIME**  
 **UP TO 40<sup>H</sup>**  
**FUEL TANK**

**20% LESS**  
**FOOTPRINT** 

 **STABLE**  
**POWER**   
**<6 SECONDS**

**2** **CLICKS**  
**TO POWER** 

**ALL**   
**ENGINES TIER 4F**

**UP TO 20**  
**MVA**  **STABLE**  
**POWER**  


**DUAL STAGE**  
**FILTERING** 

**CORROSION**  
**RESISTANT CANOPY**  
(1000 HOUR SALT TEST)  


Data may change depending on models.



# 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.

We have developed a unique Power Management System (PMS). The PMS system enables the optimization 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 optimizes 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.

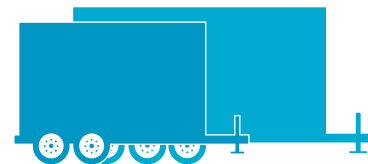


## Make the Perfect Power

When QAS generators' work in parallel, you get the power you need – when you need it!

# QAS 250 to QAS 625 <sup>New</sup>

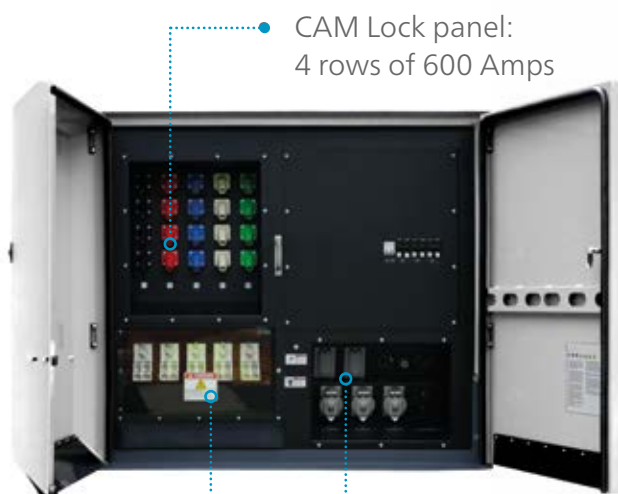
## Specialized power



### EASY ACCESS AND SERVICE

- Its large doors guarantee an easy service and access to all components

The CAM Lock Connection Switch has been designed to ensure a safe way of transferring power. The Multi voltage switch helps to guarantee less than 6 seconds for stable power



CAM Lock panel:  
4 rows of 600 Amps

Ergonomic and  
easy access  
terminal board

Receptables  
with  
protection



### REAR CUBICLE ACCESS

- "Plug and play" connectivity principle that is designed to provide a safe, fast and flexible energy supply with the minimum of operator hassle



### DESIGNED TO BE MOVED AROUND

- The single lifting eye is one of the key features on the QAS 625
- Easy to move around thanks to its triple axle trailer

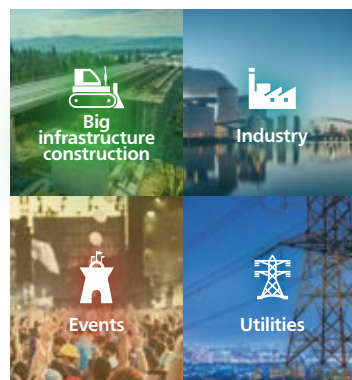


## ALL UNDER CONTROL

- Clear window in door for at a glance viewing of controller and system
- User friendly and easy paralleling thanks to the Qc4003 controller that allows an easy connection, configuration and performance!
- Unique TDU touch screen\*



## MAIN APPLICATIONS



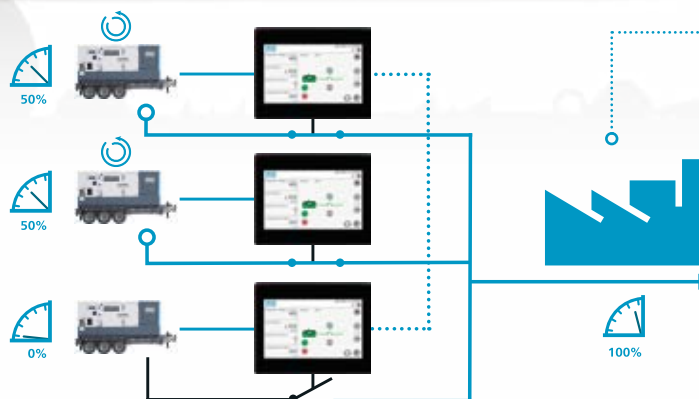
## MULTIVOLTAGE SWITCH

- You can modify the voltage output you need in few seconds
- Voltage of 480V, 208/240V, 240/120V



## POWER MANAGEMENT SYSTEM

- Increase the efficiency of a power plant by starting/stop the generators automatically based on load demand, reducing fuel consumption, utilization of machines, noise level and increasing engine lifetime. Up to 32 QAS 625 can be linked together to provide up to 20 MVA of stable power.

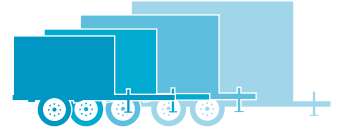


available on QAS 95-150 only

\*option

# QAS 25 to QAS 150

## General rental



### INTEGRATED DOOR SEALING SYSTEM

- Every QAS has a unique foam and seal layering system inside the doors. This ensures water-tightness and improved sound attenuation.

### ENVIRONMENTAL FRIENDLY

- Spillage free frame is standard across the range.

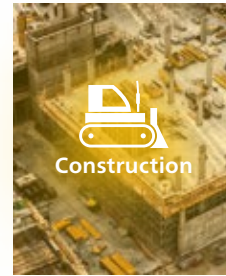
### SAFE AND EASY MOVEMENT

- QAS generators pack an impressive amount of power into a compact yet heavy duty, weather proof, sound attenuated enclosure. Available in either a skid mount or trailer mounted configuration, it is adaptable to whatever your job site demands.



## DIRT AND DUST. NO PROBLEM!

- All QAS generators have dual stage filtration with a safety cartridge and dual stage air cleaning. This centrifugal dust separation system and heavy duty filtration system prolongs the life of your generator.



## ANTI-RUST CANOPY

- The QAS canopy has a unique 'no weld' corner design. Eliminating a traditional 'rusting' spot. Every unit undergoes a salt-wash test ensuring the canopy stays tough, even in the harshest conditions.

## INDUSTRY- LEADING COMPACTNESS

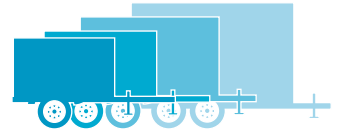
- With our integrated trailers, its not just about ease of movement – we also reduce the footprint by up to 20%.

UP TO **20%**  
**MORE COMPACT**  
THAN OTHER UNITS



# QAS 25 to QAS 150

## General rental



### PUTTING YOU IN CONTROL

- We believe a controller should be intuitive and simple, but still put you in complete control. Our controller features the latest technology featuring advanced warning and alert parameters.



- When you need power, maybe a single generator is not always the most efficient solution. We had 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.



### SIMPLE SERVICE

- Our standardized modular cubicle aids simple service and ensures simplicity when it comes to wiring and even paralleling. What's more, all QAS generators feature an external emergency stop button as standard-no need to open any doors to access!



## ERGONOMIC SOCKET CONNECTIONS

- This may sound like a basic feature but are you tired of having to bend down to connect the sockets? Take away the pain with the QAC range and it's easy access sockets.



## EASY-FILL SYSTEM

- The QAS generator has an external simple-fill mechanism for both fuel and DEF. This one click mechanism makes refueling a breeze.



# QAS range

## Technical data



### QAS 25 ID

### QAS 45 ID

### QAS 70 ID



Performance		25 kVA	25 kVA	70 kVA
Frequency	Hz	60	60	60
Rated prime power 3ø	kW/kVA	20 / 25	36 / 45	56 / 70
Rated standby power 3ø	kW/kVA	22 / 28	40 / 50	60 / 75
3ø Power factor		0.8	0.8	0.8
3ø Voltage in 480V switch position (series star w/neutral)	V	480Y / 277	480Y / 277	480Y / 277
Amp Capacity @480V	A	30	54	90
3ø Voltage in 240-208V switch position (parallel star w/neutral)	V	240YY / 139 - 208YY	240YY / 139 - 208YY	240YY / 139 - 208YY
Amp Capacity @240V	A	60	108	180
Amp Capacity @208V	A	69	125	180
Rated prime power 1ø	kW/kVA	16 / 16	27 / 27	39 / 39
1ø Power factor		1.0	1.0	1.0
1ø Voltage in 120-240V switch position (Zig-Zag)	V	240 / 120	240 / 120	240 / 120
Amp Capacity @240V	A	54	90	130
Amp Capacity @120V	A	54 x2	90 x2	130 x2
Main breaker - Shunt trip	A	63	125	200
Power distribution - Terminal board	d	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)
Terminal board connections		Bare wire Terminals	Bare wire Terminals	Bare wire Terminals
Maximum terminal cable size		350 MCM	350 MCM	350 MCM
Convenience receptacles		2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364
Max. sound pressure level (LPA) @23' @75% Load	dB(A)	67	67	67
Fuel consumption				
Fuel tank capacity	gal (l)	72.5 (274)	72.5 (274)	110 (416)
Fuel consumption at full load (PRP)	gal/h (l/h)	1.63 (6.2)	2.76 (10.4)	3.95 (15.0)
Fuel autonomy at full load and 90% of fuel capacity	h	40.0	23.6	25.1
Alternator				
Model		Leroy Somer 40 M5	Leroy Somer 42.3 S5	Leroy Somer 42.3 L9
Excitation		AREP	AREP	AREP
Automatic voltage regulator (+/-0.5%)		Leroy Somer R438	Leroy Somer R438	Leroy Somer R438
Insulation		Class H	Class H	Class H
Engine				
Model		Isuzu 4LE2T	Isuzu 4LE2X	Isuzu 4JJ1X
US EPA Family		ESZXL02.2ZTB	ESZXL02.2PXB	HSZXL03.0RXB
US EPA Tier		Tier 4 Final	Tier 4 Final	Tier 4 Final
Displacement	L	2.2	2.2	2.99
Cylinders		4	4	4
Continuous engine output	HP (kW)	31.5 (23.5)	59 (44)	88 (65.5)
Gross engine power output	HP (kW)	40 (30)	66 (49)	95 (71)
Speed	RPM	1800	1800	1800
Engine control		ECU	ECU	ECU
Aspiration		Turbocharged	Turbocharged	Turbo w/Intercooler
Engine oil capacity	US Gal (L)	1.9 (7.2)	1.9 (7.2)	3.7 (14)
Engine coolant capacity	US Gal (L)	3 (11.4)	2.11 (8)	1.6 (6)
Max. ambient temperature (@Sea Level)	°F (°C)	122 (50)	122 (50)	122 (50)
Min. starting temperature (w/o Cold weather options)	°F (°C)	14 (-10)	14 (-10)	14 (-10)
Minimum starting temperature (w/ Cold weather options)	°F (°C)	-	-	-4 (-20)
Electrical system (Negative ground)	V	12	12	12
Engine alternator output	A	50	50	110
Battery Capacity (Cold Cranking Amps)	A	630	630	1100
Dimensions and weight				
Dimensions skid L x W x H	in	72 x 34 x 54.5	72 x 34 x 54.5	93 x 41 x 56
Weight - Skid wet	lbs	2280	2500	4047
Dimensions w/Trailer L x W x H	in	129 x 54 x 66	129 x 54 x 66	143 x 65 x 75
Weight - w/Trailer wet	lbs	2565	2785	4527

QAS 95 JD	QAS 125 JD	QAS 150 MD	QAS 250 JD	QAS 330 JD	QAS 625 VD
					
95 kVA	125 kVA	150 kVA	250 kVA	330 kVA	625 kVA
60	60	60	60	60	60
76 / 95	100 / 125	120 / 150	200 / 250	264 / 330	500 / 625
83 / 104	102 / 127	132 / 165	220 / 275	290 / 363	550 / 688
0.8	0.8	0.8	0.8	0.8	0.8
480Y / 277	480Y / 277	480Y / 277	480Y / 277	480Y / 277	480Y / 277
120	150	180	301	397	750
240YY / 139-208YY	240YY / 139-208YY	240YY / 139 - 208YY	240YY / 139 - 208YY	240YY / 139 - 208YY	240YY / 139 - 208YY
240	300	361	600	794	1500
240	300	400	600	800	1600
52 / 52	65 / 65	85 / 85	132 / 132	198 / 198	237 / 237
1.0	1.0	1.0	1.0	1.0	1.0
240 / 120	240 / 120	240 / 120	240 / 120	240 / 120	240 / 120
217	270	354	600	800	1000
217 x2	270 x2	354 x2	600 x2	800 x2	1000 x2
400	400	400	800	1000	1600
5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)
Bare Wire Terminals	Bare Wire Terminals	Bare wire Terminals	Bare wire Terminals	Bare wire Terminals	Bare wire Terminals
350 MCM	350 MCM	350 MCM	350 MCM	350 MCM	350 MCM
2 x NEMA 5-20R & 3 x 125/250V 50A CS6364	2 x NEMA 5-20R & 3 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 3 x 125/250V 50A CS6364
73	73	73	73	73	73
166 (628)	166 (628)	240 (909)	385 (1457)	385 (1457)	707 (2676)
5.36 (20.3)	7.06 (26.7)	8.19 (31.0)	14.2 (53.8)	18.3 (69.3)	33.5 (126.8)
27.9	21.2	26.4	34	26	19
Leroy Somer LSA 44.3 S3	Leroy Somer LSA 44.3 S5	Leroy Somer LSA 44.3 L10	Leroy Somer 46.2 L6	Leroy Somer 46.2 L9	Leroy Somer 47.2 M8
AREP	AREP	AREP	AREP	AREP	AREP
Leroy Somer R438	Leroy Somer R438	Leroy Somer R438	Leroy Somer R450	Leroy Somer R450	Leroy Somer DVC310
Class H	Class H	Class H	Class H	Class H	Class H
John Deere 4045 HFG04	John Deere 4045 HFG06	MTU 4R1000	John Deere 6090HFG06	John Deere 6090HFG06	Volvo TWD1672GE
HJDXL04.5315	HJDXL04.5311	GMBXL07.7RJA	KJDXL09.0313	KJDXL09.0313	KVPXL16.1CDC
Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
4.5	4.5	5.1	9	9	16
4	4	4	6	6	6
122 (91)	157 (117)	192 (143)	334 (249)	399 (298)	724 (532)
133 (99)	172 (128)	201 (150)	366 (273)	437 (326)	784 (585)
1800	1800	1800	1800	1800	1800
ECU	ECU	ECU	ECU	ECU	ECU
Turbo w/Intercooler	Turbo w/Intercooler	Turbocharged	Turbo w/Intercooler	Turbo w/Intercooler	Two-Stage Turbo w/Intercooler
5.4 (20.5)	5.4 (20.5)	7.1 (27)	10.6 (40)	10.6 (40)	10 (38)
2.25 (8.5)	2.25 (8.5)	8.7 (33)	13.6 (51)	13.6 (51)	26.6 (100.7)
122 (50)	122 (50)	122 (50)	122 (50)	122 (50)	122 (50)
0 (-18)	0 (-18)	14 (-10)	14 (-10)	14 (-10)	14 (-10)
-4 (-20)	-4 (-20)	-4 (-20)	-4 (-20)	-4 (-20)	-4 (-20)
12	12	12	24	24	24
90	90	100	60	60	80
1100	1100	1100	1100 x2	1100 x2	1155 x2
108 x 43 x 76	108 x 43 x 76	133 x 47 x 76	158 x 55 x 93	158 x 55 x 93	215 x 70 x 110
5442	5585	7465	11870	12050	22119
160 x 67 x 88	160 x 67 x 88	191 x 84 x 90	218 x 94 x 109	218 x 94 x 109	260 x 102 x 118
6342	6485	9165	14175	14355	25679



# Product portfolio

## GENERATORS

**PORTABLE**  
1,6–12 kVA



**MOBILE**  
25–1,200\* kVA



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

## DEWATERING PUMPS

**ELECTRIC SUBMERSIBLE**  
up to 6,100 US gpm



**SURFACE PUMPS**  
up to 8,500 US gpm



Diesel and electric options available

## LIGHT TOWERS

**METAL HALIDE**



**DIESEL LED  
ELECTRIC LED**



## AIR COMPRESSORS AND HANDHELD TOOLS

**AIR COMPRESSORS**  
110–1,800 cfm  
58–508 psi



**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.



**Atlas Copco**

**Atlas Copco AB**  
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