

Cool Energy Generator Rental

Model QAC 500 - 1000



Temperature rental experts Cool Energy are extending their product range and now offer the Atlas Copco range of heavy duty generators which are designed, built and maintained to the highest standards demanded by the UK rental market. They can handle a wide range of applications in the most rugged environments.

This range of durable, multi purpose generators are available in a variety of power duties with extremely low noise options available making them suitable for all applications. Their sturdy design lends themselves to extreme weather conditions without compromising their efficiency or performance.

Performance is key

The range of generators consider noise, health and safety, whilst also restricting the units standing footprint to maximise space.

- The generators supply a constant un-interrupted power source.
- Complete access to all system components with unique system design.
- High performance engines for design parameters.
- Multi language operating systems.



Performance		QAC 500	QAC1000
Rated frequency	Hz	50	50
Rated power factor		0.8	0.8
Rated Voltage (Line-to-Line)	V	400	400
Rated power (LTP)	kVA/kW	550/440	1100/880
Rated power (PRP)	kVA/kW	500/400	1000/800
Rated current (LTP)	A	794	1588
Rated current (PRP)	A	722	1443
Operating temperature	min./max.	-25°C/+50°C	-25°C/+50°C
Engine			
Make		DEUTZ	DEUTZ
Model		BF8M 1015 CP	TBD 616 V16
Speed	RPM	1500	1500
Rated net output (PRP)	kWm	448	876
Coolant		Liquid	Liquid
Number of cylinders		V8	V16
Single step load capability	%	100	100
Speed governor		Electronic	Electronic
Single step load acceptance	%	60	65
Alternator			
Make		Newage	Newage
Model		HCI 534 E1	HCI 634 K1
Rated net output	kVA	610	1130
Insulation (stator & rotor)	Class	H	H
Enclosure protection	IP	23	23
Consumption			
Fuel tank capacity	l	1500	1500
Fuel consumption at full load	l/h	100	185
Fuel autonomy at full load	h	15	8
Noise emmissions			
Max. sound pressure level (Lpa) at 7 m	dB(A)	61	64
Max. sound power level (LWA)	dB(A)	92	96

Dimensions & weights			
Weight (Dry/Wet)	kg	10750/12358	14515/15415
Dimensions	m	6.06 x 2.44 x 2.59 20 ft CSC - ISO container	



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Model QAS 275 - 325



In addition to the 500 - 1000 model Cool Energy can offer the 275 - 325 Model.

One of this models many features is the advanced control panel which allows for synchronisation between multiple generators or the mains, along with a comprehensive instrument panel enabling all key operating functions to be supervised without opening the canopy.

Protected by a tough transparent cover, the single panel provides easy start up and control of the generator.



The panel also provides full system monitoring to ease operation.

Type		QA2 275	QAS 325
		50Hz/60Hz	50Hz/60Hz
Rated speed	r/min	1500/1800	1500/1800
Rated power factor (Lagging)	V	0.8	0.8
Rated prime power	kVA	275/285	325/345
Rated standby power	kVA	303/314	358/380
Rated voltage line to line	V	400/480	400/480
Rated current	A	397/343	469/415
maximum sound power level (LWA) according to 2000/14/EC OND	dB(A)	97/-	97/-
Basic unit			
Fuel autonomy at full load	h	10/9	9/8
Capacity fuel tank (with optional 24 hours fuel tank)	1	603 (1709)	603 (1709)
Alternator - Leroy-Somer			
Degree of protection/Insulation class		IP 23/H	
Engine - Volvo		QA2 275	QAS 325
Model		TAD940GE	TAD941GE
Rated net power (with fan)	kW	241/248	280/296
Number of cylinders		6	
Coolant		liquid	
Aspiration		Turbocharged & Intercooled	
Displacement	1	936	

Unit dimensions (Basic Unit)			
L x W x H	m	4.02 x 1.39 x 2.02	
Weight (dry)	kg	3628	3768
Weight (ready to operate)	kg	4296	4386
Unit dimensions (with optional 24 hours fuel tank)			
L x W x H	m	4.02 x 1.39 x 2.31	
Weight (dry)	kg	3978	4118
Weight (ready to operate)	kg	5472	5612
Standard features		QAS 275	QAS 325
Dual frequency (without 3 phase sockets)		●	●
Qc1002™ (over and undervoltage protection, remote start)		●	●
Battery switch		●	●
Sound attenuated and rugged Zinc or steel enclosure		●	●
Spillage free frame (integrated forklift pockets, 110% containment)		●	●
Big doors & service plates for superior accessibility		●	●
External fuel tank connection		●	●
Dual Stage heavy duty airfilter + safety cartridge		●	●
Dual stage fuel filter with water separation		●	●
Oil drain pump		●	●
Electrical Options		QAS 275	QAS 325
Qc2002™ (AMF package + battery charger + coolant heater)		○	○
Qc4002™ (Paralleling & PMS package + battery charger + coolant heater)		○	○
IT - protection		○	○
3 Phase sockets configuration		○	○
1-phase socket 16A (rim, pin or CEE version)		○	○
Neutral EDF		○	○
Cosmos™		○	○
Dual voltage variant with voltage selector switch		○	○
Mechanical Options		QAS 275	QAS 325
Quick couplings for external fuel tank connection		○	○
Frame with integrated 24-hours fuel tank		○	○
Refinery equipment (spark arrestor and air shut off valve)		○	○
Customer colour		○	○

Standard: ● Options: ○

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