

QAC RANGE

50 - 60 Hz

Maximum Power.
Minimum Fuel consumption.



Atlas Copco



QAC RANGE

1MVA CONTAINERIZED POWER, FULLY LOADED

The QAC generators come fully loaded as standard, with all the sophisticated options you could ever need. We coupled 1MVA of predictable power, in standard 20-foot container; with ultra-low noise levels and ultra-high efficiency levels.

Perfect for the most demanding conditions and usage requirements, the QAC are the generators for those who need something a little out of the ordinary.

KEY BENEFITS

Performance	
Service efficiency	
Resale value and long lifespan	
Versatility	
Transport efficiency	

SEGMENTS



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LOW NOISE LEVELS

With a low-noise level of 67dB(A) at 7 meters, the QAC generators are a great choice for applications that are at the heart of the working environment.



UNRIVALLED FUEL CONSUMPTION

The QAC generators consume less fuel. How can it do that? **The electric VSD (Variable Speed Drive)** motor-driven, cooling fan, adjusts the cooling flow to the specific requirements of the engine. It maybe sounds simple, but this engineering sets the QAC generators apart.

-10% **FUEL CONSUMPTION AT FULL LOAD** = **-480 LITERS** **Per day** → **-175.000 LITERS** **Per year**

Compared to other generators. The QAC 1250 can reduce fuel consumption by close to 500 liters per day.



QUALITY COMPONENTS

The three-phase, auto excited and auto regulated, synchronous and brushless Leroy Somer alternator sets the QAC generators apart. We also feature a **Permanent Magnet Generator (PMG)**, auxiliary exciting supply and an anti-condensation heater, all designed to extend the lifetime of the machine. The KTA 50 engine is powerful and extremely compact – perfectly in sync with the QAC specifications.



TOTAL CUSTOMER FOCUS

Developed with key customers and fully tested before delivery, we always implement the features that we know you demand. The QAC generators come in a standard 20-foot ISO CSC container for easy and fast transportation. **Strong lifting eyes and forklift slots** allow for swift on-site maneuvering.



EASY SERVICE

We know you cannot afford to be down for even a minute. The QAC generators were designed with ease of service in mind. Featuring **large access doors** and a dedicated door for the cleaning of the coolers, we even provide custom-service tools to ensure that service can be done in the quickest possible time.



ENGINEERED. NOT ASSEMBLED

Fully loaded with **protection systems and accessories**, the QAC generators **optimal performance in extreme and difficult conditions**. Due to their intelligent cooling system, we can ensure 100% power at 40°C at an altitude of 1000m (a.s.l.).

This makes these generators ideally suited for use in extreme temperatures and high altitude environments, while lowering the risk of detrimental high temperature shutdowns.



STANDARD PARALLEL PACKAGE

To tackle the biggest jobs, the QAC can run alone or in parallel with other generators. You have the choice of island mode or using the **Power Management System (PMS)**. You can also run the QAC generators in parallel with mains, peak shaving, fixed power and AMF.



TECHNICAL DATA

Performance data		QAC 1000		QAC 1250	
Rated frequency	Hz	50	60	50	60
Rated speed	r/min	1.500	1.800	1.500	1.800
Rated power factor (lagging)		0,8			
Rated prime power (PRP)	kVA / kW	1.000 / 800	1.175 / 940	1.250 / 1.000	1.445 / 1.156
Rated standby power (LTP)	kVA / kW	1.079 / 863	1.289/1.031	1.375 / 1.100	1.614 / 1.291
Rated voltage (line to line)	V	400	480	400	480
Rated current (PRP)	A	1.413	1.413	1.804	1.738
Max. sound power level (LWA) acc. to 2000 / 14 / EC OND	dB(A)	97	99	98	99
Max. sound pressure level (LPA) at 7m (23ft)	dB(A)	70	72	71	72
Capacity fuel tank	l	1.500			
Fuel consumption at full load (PRP)	l / h	181	220	241	275
Fuel autonomy at full load	h	8,3	6,8	6,2	5,5
Single step load capability (G2) acc. ISO-8528/5	%	55	70	65	70
Operating temperature (min. / max.)	°C (°F)	-25°C (-13°F) / 50°C (122°F)			

Alternator		Leroy Somer LSA 49.1 L11		Leroy Somer LSA 50.2 M6	
Model		Leroy Somer LSA 49.1 L11		Leroy Somer LSA 50.2 M6	
Degree of protection / Insulation class		IP 23			
Rated Output	kVA	1.000	1.250	1.250	1.560

Engine		Cummins QST 30 G4		Cummins KTA 50 G3	
Model		Cummins QST 30 G4		Cummins KTA 50 G3	
Rated net output (PRP)	kW _m	880	1.007	1.097	1.220
Speed governor		Electronic			
Number of cylinders		12 in V		16 in V	
Swept volume	l	30,5		50,3	
Coolant		Parcool			
Aspiration		Turbocharged and intercooled			
Emission compliance		NA			

Unit dimension		QAC 1000		QAC 1250	
Length	mm	6.060		6.060	
Width	mm	2.440		2.440	
Height	mm	2.590		2.590	
Weight (dry / wet)	kg	14.140 / 15.380		15.780 / 17.608	

KEY BENEFITS

- Stable power delivery of 1MVA
- Low fuel consumption
- Better coolant capability
- Low noise levels
- Standard parallel package
- Superior standard configuration
- Superior service accessibility

MAIN FEATURES

- Silenced ISO 20-foot container CSC
- Highly reliable key components
- Dedicated cooling compartment with VSD for the electric coolant fan
- High temperature capability (no power de-rating up to 40°C @ 1000m asl)
- Full access for easy servicing
- Dual stage heavy duty filtration (oil, fuel and air)
- Spillage free frame
- Double wall daily fuel tank
- Digital controller Qc4003™ (Paralleling with PMS - Power Management System)
- Long term service intervals
- Dual position control cubicle
- Battery switch
- Earth leakage relay
- Battery charger
- PMG excitation system
- Alternator heater
- Coolant heater
- EFT - External fuel tank connections
- AFT - Automatic fuel transfer system
- Automatic oil make-up system
- Spark arrestor
- Air shutdown valve
- Centralized service drains with manual drain pumps

OPTIONS

- Customized colour

DIMENSIONS: L x W x H

QAC 1000 - 1250: 6.060 x 2.440 x 2.590



COMMITTED TO SUSTAINABLE PRODUCTIVITY

Atlas Copco's Portable Energy division has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs - while never compromising our environmental principals. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

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