

Atlas Copco Generators

Because size matters... we simply created a small 1MW generator



QAC 1250

At Atlas Copco, we believe that our customers' needs are no small matter. The QAC 1250 introduces a new dimension in power per square foot.

For applications that demand maximum output and minimum size, the QAC 1250 packs a powerful, yet compact punch. With 1 MW of power in a standard 20-foot container, the QAC 1250 is supremely flexible and transportable.

The QAC 1250 generates the power and space you require for truly big performances.

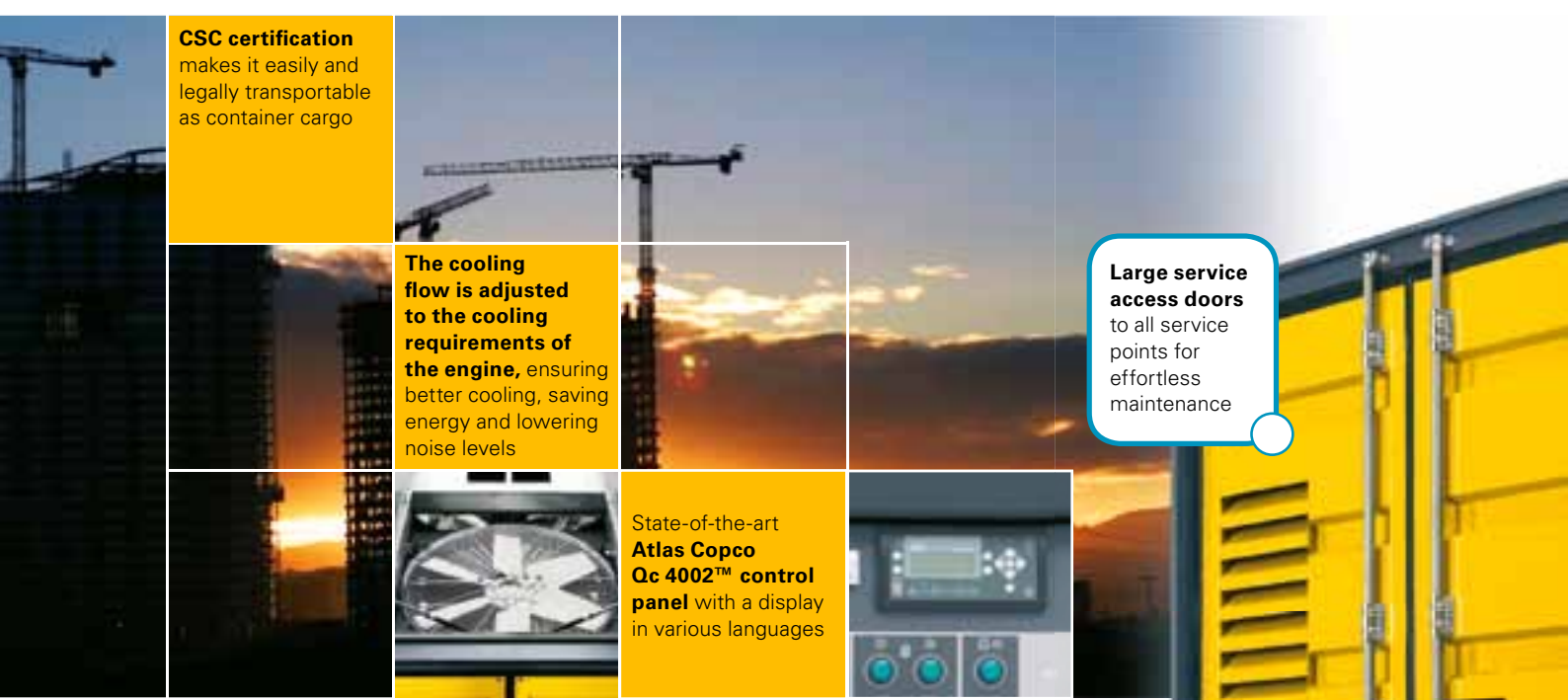


Sustainable Productivity

Atlas Copco

QAC 1250

1MW silent cool power in a standard 20-foot container



CSC certification makes it easily and legally transportable as container cargo

The cooling flow is adjusted to the cooling requirements of the engine, ensuring better cooling, saving energy and lowering noise levels

State-of-the-art **Atlas Copco Qc 4002™ control panel** with a display in various languages

Large service access doors to all service points for effortless maintenance

Door latches with locks and door safe-hooks offer better security while avoiding inadvertent closure

Irresistible benefits

- 1 Stable power delivery of 1MW** in a **standard 20-foot ISO CSC container** for easy, fast and safe installation and transportation.
- 2 Low fuel consumption**
The QAC 1250 is equipped with an electric VSD (variable speed) motor-driven cooling fan which ensures optimized fuel consumption (e.g. 10% fuel reduction at full load means a saving of 550 liters per day and 200,000 liter per year).
- 3 Better coolant capability**
Due to its intelligent cooling system, the QAC 1250 ensures 100% power at 40°C, at an altitude of 1000 m (a.s.l.). This makes the QAC 1250 ideally suited for use in extreme temperatures and high altitude environments, and lowers the risk for detrimental high temperature shut-downs.
- 4 Low noise levels**
With its 67dB(A) at 7 meters, the QAC 1250 is the best choice for sensitive areas.
- 5 Standard parallel package**
The QAC 1250 can run alone or in parallel with other equal or different generators either in island mode or PMS (power management system), or in parallel with mains, peak shaving, fixed power and AMF.
- 6 Superior standard configuration**
Including the correct protection systems and accessories to run in the extreme and difficult conditions.
- 7 Superior service accessibility**
Large access doors and several service tools make for effortless maintenance, increasing your up-time.

Top-class alternator

The 3 phase, auto excited and auto regulated, synchronous and brushless type Leroy Somer alternator is equipped with a Permanent Magnet Generator (PMG) as auxiliary exciting supply. Its powerful and fast voltage build-up system provides short circuit capability and better electrical motor starting. The alternator is standard equipped with an anti-condensation heater designed to extend its lifespan.

Reliable engine

The KTA50 engine is perfectly in sync with the QAC 1250 specifications: powerful and extremely compact. The engine has a good load take-over performance (100% load step capability, 65% with G2 limits). Our customers demand the best. The KTA 50 provides the reliability they expect from an Atlas Copco machine.



High specification **Industrial grade paint** is used for corrosion protection.



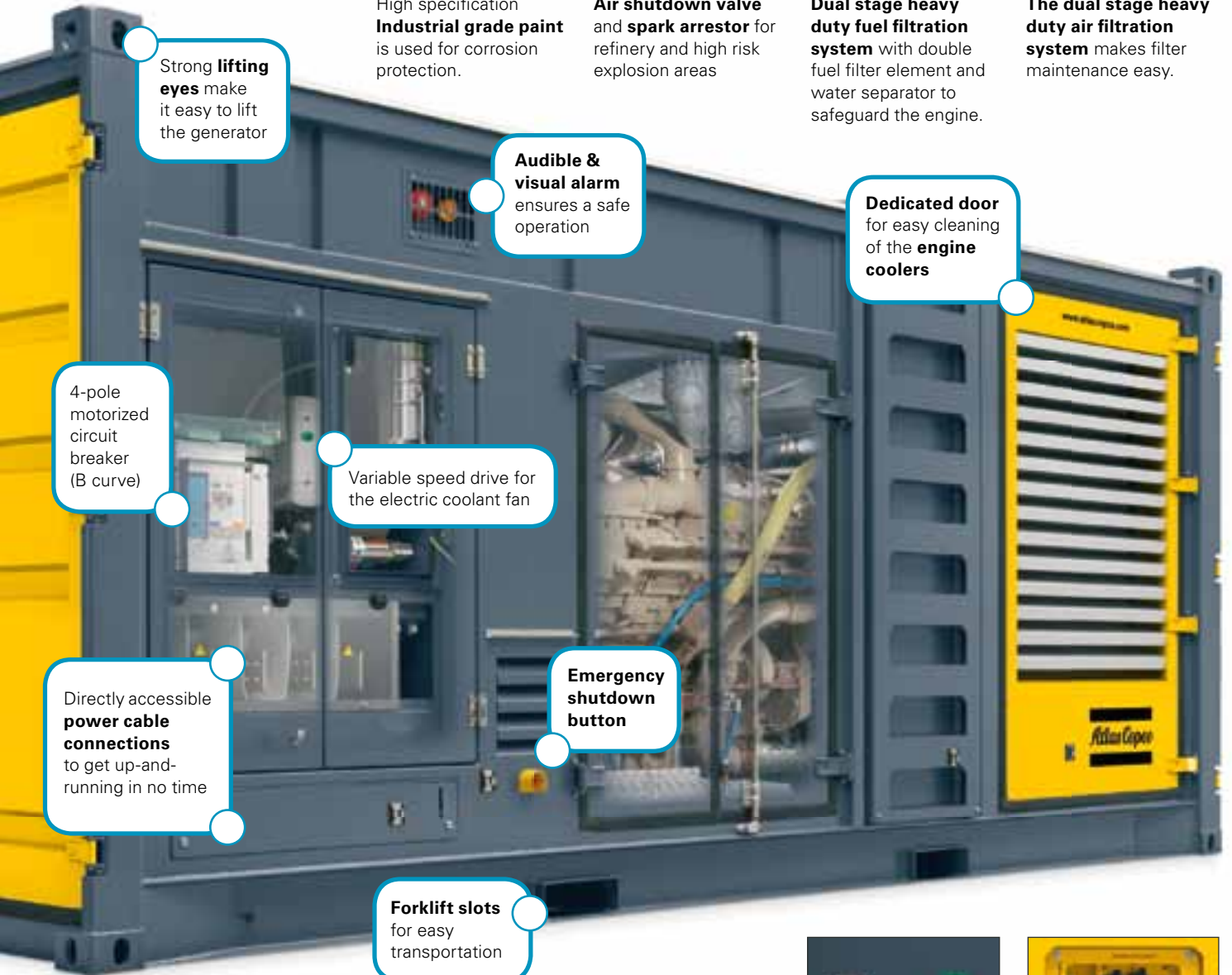
Air shutdown valve and **spark arrestor** for refinery and high risk explosion areas



Dual stage heavy duty fuel filtration system with double fuel filter element and water separator to safeguard the engine.



The dual stage heavy duty air filtration system makes filter maintenance easy.



Strong **lifting eyes** make it easy to lift the generator

Audible & visual alarm ensures a safe operation

Dedicated door for easy cleaning of the **engine coolers**

4-pole motorized circuit breaker (B curve)

Variable speed drive for the electric coolant fan

Emergency shutdown button

Directly accessible **power cable connections** to get up-and-running in no time

Forklift slots for easy transportation



The **automatic oil make-up system** regulates lubrication oil levels.



A built-in **engine coolant heater** ensures start-up in cold weather conditions (-25°C).



Standard 20-foot CSC ISO container with a sturdy build to comply with the high demands for portable equipment.



Centralized service drains with manual drain pumps for fast and smooth drainage. At the bottom of the generator, a **spillage free frame** retains up to 110% of all engine liquids.



Fuel transfer system for external fuel tank connection with manual and automatic controlled electric pump, level sensor, quick couplings and by-pass valve to an external tank (3-way valve).

Technical data

Performance data(1)		QAC 1250	
Rated frequency (dual)	Hz	50	60
Rate power factor		0.8	0.8
Rated voltage (Line-to-Line)	V	400	480
Rated power (LTP)	kVA/KW	1375 / 1100	1590 / 1272
Rated power (PRP)	kVA/KW	1250 / 1000	1445 / 1156
Rated current (LTP)	A	1984	1912
Rated current (PRP)	A	1804	1738
Operating temperature	min./max.	-25°C/50°C	
Engine			
Make		Cummins	
Model		KTA 50	
Speed	RPM	1500	1800
Rated net output (PRP)	kWm	1097	1220
Coolant		Liquid	
Number of cylinders		16	
Single step load capability	%	100	100
Speed governor		Electronic	
Single step load acceptance (G2) acc. ISO 8528/5	%	65	70
Alternator			
Make (with 3 phase sensing and AVR)		Leroy Somer	
Model		LSA 50.2 M6	
Rated output	kVA	1250	1560
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	241	275
Fuel autonomy at full load	h	6.2	5.5
Noise emissions			
Max. sound pressure level (LPA) at 7 m	dB(A)	67	TBD
Max. sound power level (LWA) acc. 2000/14/EC OND	db(A)	98	TBD
Dimensions & weight			
Weight (Dry/Wet)	kg	TBD (<19500)	
Dimensions	m	6.06 x 2.44 x 2.59 20 ft CSC - ISO container	

(1) Reference condition

For engine performance to ISO 3046/1 -1995
Air inlet temperature from -25°C to 40°C
Maximum altitude above sea level: 1000 m

Optional for QAC 1250



COSMOS™, our innovative Comprehensive Service and Maintenance System provides immediate data on where your machine is and when it should be serviced.



The QAC 1250 can be manufactured in special colors to meet your requirements. You can personalize colors to match your fleet or brand colors.

Your peace of mind is our concern

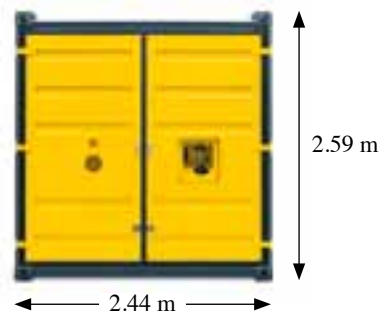


Atlas Copco has compiled a portfolio of aftermarket services that guarantee the protection of your investment and provide the highest quality service, both locally and worldwide.



Depending on your requirements, we can deliver parts kits, cover your individual service calls or provide a range of service plans, all tailored to suit your needs.

Built and tested to ISO 9001 quality assurance standards
Atlas Copco's stringent manufacturing standards follow ISO 9001 quality assurance regulations. All components are produced and tested to exacting standards for optimum performance in the most demanding conditions.



Atlas Copco

Use only authorized parts. Warranty or Product Liability does not cover any damage or malfunction caused by the use of unauthorized parts.

www.atlascopco.com/portablepower