QES RANGE

60 Hz

The practical, reliable predictable power solution.

QES RANGE
PREDICTABLE POWER FOR THE TOUGHEST WORKSITES

Specifically developed for the construction and general rental industries, the 11-50 kVA QES range is easy to use and straightforward to maintain. It's the practical Predictable Power choice, even for the most demanding worksites.

KEY BENEFITS

- Easy to move
- Performance
- Versatility
- Easy-of-use
- Service efficiency

SEGMENTS

CONSTRUCTION | RENTAL

USER-FRIENDLY CONTROL

The **Qc1011 controller** provides advanced engine monitoring and protection features. Performance and maintenance requirements can also be observed.

CONVENIENT OPERATION

Easily accessed control cubicle, start button and back-lit fuel gauge.

SERVICE EFFICIENCY

The external fuel and coolant filling points are conveniently placed and the unit allows for easy drainage of all liquids.

PREDICTABLE POWER

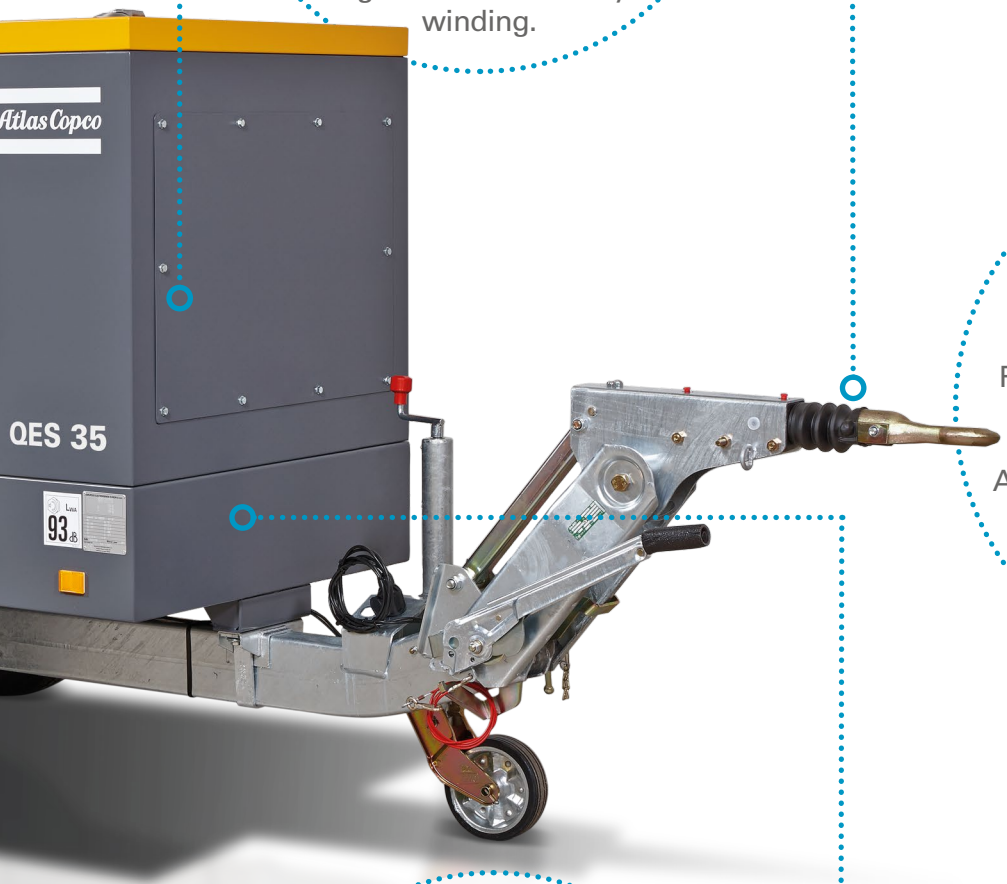
APPLICATION-ORIENTED

MAINTENANCE FRIENDLY

Atlas Copco

APPLICATION-ORIENTED DESIGN

The QES range has been designed and built for the construction and general industries. Standard features include a spillage free frame and a 500-hour service interval (QES 16-50). Options, including a manual drain pump, connections for an external fuel tank and battery charger can upgrade the unit via retrofitting for ongoing flexibility.



QUALITY DESIGN

Reliable performance is ensured with the **Kubota engine**. Its tropicalized radiator enables operation in high ambient temperatures. The alternator provides stable voltage thanks to the digital voltage regulator and auxiliary winding.

EASY TO MOVE

The **stackable and compact** QES offers maximum portability. **Forklift slots** and a **lifting eye** facilitate transportation to your worksite. Different trailer options are also available.

STRAIGHTFORWARD MAINTENANCE

Removable panels for **easy access to spare parts and components**. Strong aftersales support via the Atlas Copco global service network ensures maximum uptime. Long service intervals reduce maintenance costs.

TOUGH FRAME AND CANOPY

The canopy of the QES is finished with a rustproof **powder and galvanized coating**. A spillage free frame reduces any potential environmental impact.

LONG AUTONOMY

The **fuel tank** allows for longer operation between refueling. The fuel tank is made from plastic to prevent rust and includes a cleaning hatch for easier maintenance.

TECHNICAL DATA

Performance data		QES 11	QES 16	QES 25	QES 35	QES 50
Rated frequency	Hz	60	60	60	60	60
Rated voltage (line to line) (*)	V	220	220	220	220	220
Rated power factor (lagging)		0,8	0,8	0,8	0,8	0,8
Rated prime power (PRP)	kVA / kW	11 / 8,8	16,6 / 13,3	23 / 18,4	34,1 / 27,3	50 / 40
Rated standby power (ESP)	kVA / kW	12,6 / 10,1	18,8 / 15	23,6 / 18,9	36,6 / 29,3	54 / 43
Rated current (PRP)	A	28,9	43,6	60,4	89,2	130,7
Max. sound power level (LWA) acc. to 2000/14/EC OND	dB(A)	92	92	91	93	93
Max. sound pressure level (LPA) at 7m (23ft)	dB(A)	66	66	65	67	67
Capacity fuel tank (Standard/48H/1000l fuel tank)	l	55 / 250 / 990	55 / 250 / 990	55 / 250 / 990	105 / 480	105 / 480
Fuel consumption at 75% load (PRP)	l / h	2,4	3,3	4,7	6,4	8,5
Fuel autonomy at 75% PRP load (Standard / 48H / 1000l fuel tank)	h	23 / 104 / 415	16 / 75 / 296	11 / 52 / 208	16 / 75	12 / 56
Fuel consumption at 100% PRP load	l / h	3,1	4,4	6	8	11
Fuel autonomy at full load (Standard / 48H / 1000l fuel tank)	h	18 / 82 / 323	12 / 57 / 226	9 / 41 / 165	13 / 60	9 / 43
Performance class acc. ISO-8528/5		G2	G2	G2	G2	G2
Alternator						
Model Mecc Alte		ECP3-1LN/4	ECP3-3L/4	ECP28-M/4	ECP28-VL/4	ECP32-3S/4
Rated Output (ESP 40°C / PRP 40°C)	kVA	13,8 / 13,2	18,8 / 18	23,6 / 23	36,6 / 36	54 / 51
Degree of protection / Insulation class		IP 23 / H	IP 23 / H	IP 23 / H	IP 23 / H	IP 21 / H
Excitation type / AVR model		MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR
Engine						
Model Kubota		D1105-BG2	D1703-M-BG	V2403-M-BG	V3300-DI-BG	V3800-DI-T-E2BG
Rated speed	rpm	1800	1800	1800	1800	1800
Rated net power (with fan)	kW_m	9,5	15,1	22,1	30,7	44,5
Aspiration		Natural aspired	Natural aspired	Natural aspired	Natural aspired	Turbocharged
Number of cylinders		3	3	4	4	4
Swept volume	l	1,12	1,7	2,4	3,3	3,8
Speed governor		Mechanical	Electronic	Electronic	Electronic	Electronic
Dimensions & weight (Standard / 48H / 1000l fuel tank)						
L x W x H	m	1,75 x 0,84 x 1,12 / 1,53 / 1,95			2.2 x 0.94 x 1.27 / 1.71	
Weight (dry) with standard fuel tank	kg	600	670	720	945	1015

(*) Other voltages available: 208/120 V, 380/220 V and 240/120 V. Technical data may vary.

STANDARD FEATURES

- Qc1011™ (over and undervoltage protection, remote start)
- Integrated forklift slots and lifting beam
- External drain points
- Big doors & service plates for superior accessibility
- Spillage free frame (110% containment)
- External fuel fill cap
- Dual stage heavy duty airfilter with safety cartridge
- Dual stage fuel filter with water separator
- Sound attenuated and rugged galvanized steel enclosure
- Multipoles main circuit breaker
- Earth leakage protection and earth pin
- Frame with integrated long autonomy plastic fuel tank

ELECTRICAL OPTIONS

- Single phase configuration
- Battery charger and battery cut-off switch
- Coolant heater
- Insulation monitoring relay

MECHANICAL OPTIONS

- Manual oil drain pump
- External fuel tank connection (EFT) and quick couplings
- Cold start (synthetic oil filling)
- Galvanized skid(1)
- Site trailer(2)
- Homologated trailer with fixed towbar with brakes(2)
- Homologated trailer with adjustable towbar with brakes(2)
- Differents towing eyes for trailers
- Customer colour
- Frame with integrated larger capacity fuel tank

(1) Not available with trailer nor 1000 liters fuel tank
(2) Not available with long autonomy fuel tank version

PREDICTABLE POWER

Atlas Copco Predictable Power brings customers in the on-site generator and power generation business peace of mind with solutions that combine low cost of ownership, reliable performance and risk-free operation. Predictable Power is our core value and the guiding principle for how we design, test, build, commission and service our generators.

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DIMENSIONS: L x W x H

QES 25: 1,75 x 0,84 x 1,95