

The mobile QES generators

Specifically developed for construction, retail and general rental industries, the QES range is easy to use and straightforward to maintain. It's the practical predictable power choice —even for the most demanding worksites.

The corrosion treated, water-proof canopy, along with the ability to work at high and low ambient temperatures makes the QES range a great choice. With a full option list you could ever need and ready operate in just a few seconds, this range is ready to move from one job to another, one application to another.





















Data may change depending on model.





QES range

INTEGRATED CONTROL AND POWER CUBICLE:

- Qc1112 digital controller for local and remote start
- 4 Pole breaker & battery charger (1)
- Emergency stop
- Dedicated socket compartment (1)

Standard Controller	Qc1112	Qc1112
Optional AMF controller	Qc2212	Qc2212
Single phase socket	1	1
CEE 400V3P+N+G 16A	1	1
CEE 400V3P+N+G 32A		1
CEE 400V3P+N+G 63A	1	1





SUPERIOR ACCESSIBILITY:

- Optimal serviceability through big access doors and panels
- Access to alternator (AVR and diode bridge)
- Full access to engine
- Direct radiator cleaning access panel

PLUG AND PLAY CONNECTION:

- Plug and play cable connection
- Pass through cable path, natural bend and strain relief
- Rain cap
- Hot parts, fan and belt protection (1)

SERVICE EFFICIENCY:

- Decreased service downtime due to heavy duty fuel filtration system with water separator (2) > 65kVA
- Dual stage air filtration
- Oil drain pump (1)
- 500hrs Service interval



NOISE PROTECTION:

 Sound attenuated and C3M anticorrosion protection canopy



TRANSPORT EFFICIENCY:

- Integrated forklift slots
- Lifting structure with single external elevation point (1)
- Retention bund 110% self containment with level sensor alarm (1)

PERFORMANCE:

- High cooling performance radiator with ParCOOL for 100% standby power operation
- Sound attenuated and anti-corrosion steel enclosure
- Alternator IP23 with optional Auxiliary Winding (1)
- Electronic governor engine.

Nechanical options

- Synthetic oil
- Hot parts protection
- Oil sump pump
- Water separator fuel pre-filter (3)
- High capacity fuel tank
- Lifting beam with external hook
- Galvanized extra skid
- Spillage free liquid detection sensor
- External fuel connection (EFT) with quick couplings

Options available may change depending on model selected. Please consult with your local Atlas Copco customer centre.

Electrical options

- Earth leakage relay
- Sockets panel
- Communication modules (Ethernet, 3G, GPS, ...)⁽⁴⁾
- Battery switch, block coolant heater, battery charger and earth stick
- Expansions modules for inputs and outputs (4)
- Remote annunciator and remote display (4)
- Automatic fuel transfer system (4)
- Auxiliary winding for inrush starting capability
- Qc2212 Advance digital controller for AMF, remote and local start applications



QES range

Technical data







Electrical data		QES 30	QES 40	QES 60
Rated frequency	Hz	50	50	50
Exhaust gas emission compliance		/	/	/
Rated voltage (1)	V	400	400	400
Prime power (PRP)	kVA/kW	32/26	37/30	60/48
Rated standby power (ESP)	kVA/kW	/	/	/
Power factor $\cos\phi$		0,8	0,8	0,8
Rated current (PRP)	А	46,2	53,7	86,6
Performance class acc. ISO-8528/5		G2	G2	G2
Operating temperature (min/max) (2)	°C	-10/50	-10/50	-10/50
Fuel consumption				
Fuel tank capacity (Standard/24-48H/1000l fuel tank)	1	116	116	104
Fuel consumption at 100% PRP load	I/h	7,3	8,3	13,3
Fuel autonomy at full load (Standard / 24-48H / 1000l fuel tank)	h	16,0	14,0	7,8
Engine				
Model		V3300-E2BG	V3800DI-T-E2BG	4BTA3.9-G2
Speed	rpm	1500	1500	1500
Rated net power	kWm	31	34,1	58
Aspiration		Natural	Turbo charger	Turbo charger
Speed control		Mechanical	Electronic	Electronic
Number of cylinders		4	4	4
Coolant		water-cooled	water-cooled	water-cooled
Swept volume	1	3,3	3,8	3,9
Alternator				
Model		ACA180E	ACA180G	ACA225D
Rated Output (ESP (27°C 40°C) / PRP 40°C)	kVA	33/32	45/42.5	63.5/60
Degree of protection / Insulation class		IP23/H	IP23/H	IP23/H
Excitation type / AVR model		Shunt/SX460	Shunt/SX460	Shunt/SX460
Noise level				
Sound power level (LwA)	dB(A)	93	94	94
Sound pressure level (LpA) at 7m	dB(A)	67	66	68
Dimensions and weight				
Length (standard / skid)	mm	2225	2225	2280
Width (standard / skid)	mm	970	970	980
Height (Standard / 24-48H / 1000l fuel tank)	mm	1185	1185	1265
Weight wet without fuel (Standard / 24-48H / 1000l fuel tank)	kg	905	905	1175



⁽¹⁾ Dual frequency models available as an option, please consult. (2) Other voltages available, please consult. (3) Depending on models, some additional options are available for low temperatures. Derating may apply for high temperature / altitude.







Electrical data		QES 80	QES 100	QES 125			
Rated frequency	Hz	50	50	50			
Exhaust gas emission compliance		/	/	1			
Rated voltage (1)	V	400	400	400			
Prime power (PRP)	kVA/kW	90/72	100/80	125/100			
Rated standby power (ESP)	kVA / kW	1	/	/			
Power factor cos φ		0,8	0,8	0,8			
Rated current (PRP)	А	129,9	144,3	180,4			
Performance class acc. ISO-8528/5		G2	G2	G2			
Operating temperature (min/max) (2)	°C	-10/50	-10/50	-10/50			
Fuel consumption							
Fuel tank capacity (Standard/24-48H/1000l fuel tank)	1	225	225	225			
Fuel consumption at 100% PRP load	I/h	18,9	20,5	25,6			
Fuel autonomy at full load (Standard / 24-48H / 1000l fuel tank)	h	11,9	11,0	8,8			
Engine							
Model		6BT5.9-G2	6BT5.9-G2	6BTAA5.9-G2			
Speed	rpm	1500	1500	1500			
Rated net power	kWm	86	96	120			
Aspiration		Turbo charger	Turbo charger	Turbo charger			
Speed control		Electronic	Electronic	Electronic			
Number of cylinders		6	6	6			
Coolant		water-cooled	water-cooled	water-cooled			
Swept volume	1	5,9	5,9	5,9			
Alternator							
Model		ACA225G	ACA270B	ACA270C			
Rated Output (ESP (27°C 40°C) / PRP 40°C)	kVA	95.8/90	112/100	135/125			
Degree of protection / Insulation class		IP23/H	IP23/H	IP23/H			
Excitation type / AVR model		Shunt/SX460	Shunt/SX460	Shunt/SX460			
Noise level							
Sound power level (LwA)	dB(A)	94	93	93			
Sound pressure level (LpA) at 7m	dB(A)	68	70	74			
Dimensions and weight							
Length (standard / skid)	mm	2910	2910	2910			
Width (standard / skid)	mm	1120	1120	1120			
Height (Standard / 24-48H / 1000l fuel tank)	mm	1685	1685	1685			
Weight wet without fuel (Standard / 24-48H / 1000l fuel tank)	kg	1530	1580	1680			



Product portfolio

GENERATORS

PORTABLE 1,6–12 kVA



MOBILE 9–1250* kVA



INDUSTRIAL 10-2250* kVA



*Multiple configurations available to produce power for any size application

CONTAINERS

800-1450 kVA



DEWATERING PUMPS

ELECTRIC SUBMERSIBLE 250-16.200 l/min



SURFACE PUMPS



Diesel and electric options available

SMALL PORTABLE

210-2500 l/min



LIGHT TOWERS





BATTERY LED



ELECTRIC LED



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS

1–116 m³/min 7–345 bar



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.



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