WITHSTANDING THE ELEMENTS

QES generators

Sustainable Productivity

Atlas Copco

WITHSTANDING THE ELEMENTS
QES GENERATORS

Specifically developed for the construction 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.

Standard features include a spillage free frame and a 500 hour service interval. Options, such as manual oil drain pump, connection to an external fuel tank, site or road trailers, can be added to fully match your construction site needs.

2 CLICKS TO POWER

UP TO 26 UNITS

STABLE POWER <6 SECONDS

2 LEVELS

SERVICE <2H EVERY 500H

>10 YEARS CORROSION FREE (CANOPY VERSION)

500H

Data may change depending on models.

BUILT FOR YOU

The QES range was designed with the customer in mind.

It´s easy to move, operate and service.

YOU NEED POWER EVERYWHERE

With the trailer option, QES generators can be easily moved around your site.

STANDARD FEATURES

- Qc1011™ and Qc1111™ manual start controllers (depending on models)
- 4 poles main circuit breaker
- Earth leakage protection and earth pin
- Integrated forklift slots and lifting beam
- Dual stage heavy duty airfilter with safety cartridge
- Dual stage fuel filter with water separator
- Sound attenuated and rugged galvanized steel enclosure

- External drain points
- External fuel fill cap
- Spillage free frame (110% containment)
- Big doors & service plates for superior accessibility

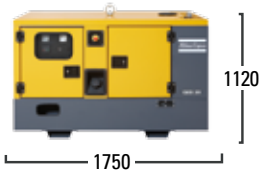
MECHANICAL OPTIONS

- Manual oil drain pump
- External fuel tank connection (EFT) and quick couplings
- Cold start
- Frame with integrated long autonomy fuel tank
- Skid frame
- Site and road trailers
- Special color

ELECTRICAL OPTIONS

- Battery charger
- Battery cut-off switch
- Coolant heater
- Sockets panel
- Qc2111 AMF controller (Upgrade only available for Qc1111™)
- Insulation monitoring relay

QES range



TECHNICAL DATA

Electrical data		QES 9	QES 14	QES 20	QES 30	QES 40
Rated frequency (1)	Hz	50	50	50	50	50
Rated voltage (2)	V	400	400	400	400	400
Prime power (PRP)	kVA / kW	9 / 7,2	13,8 / 11	20 / 16	30 / 24	42 / 34
Rated standby power (ESP)	kVA / kW	10 / 8	16 / 12,8	21,5 / 17,2	33 / 26	46 / 37
Power factor cos Phi		0,8	0,8	0,8	0,8	0,8
Rated current (PRP)	A	13	20	29	43	61
Fuel consumption						
Fuel tank capacity (Standard/24-48H/1000l fuel tank)	l	55 / 250 / 990	55 / 250 / 990	55 / 250 / 990	105 / 480	105 / 480
Fuel consumption at 100% PRP load	l / h	2,4	3,5	5	6,9	9,8
Fuel autonomy at full load (Standard / 24-48H / 1000l fuel tank)	h	22 / 104 / 412	15 / 71 / 282	11 / 50 / 198	15 / 69	10 / 48
Performance class acc. ISO-8528/5		G2	G2	G2	G2	G2
Engine						
Model		Kubota D1105-BG2	Kubota D1703-M-BG	Kubota V2403-M-BG	Kubota V3300-DI-BG	Kubota V3800-DI-T-E3BG
Exhaust gas emission compliance		Below 19 kW	Below 19 kW	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA
Speed	rpm	1500	1500	1500	1500	1500
Rated net power (with fan)	kWm	8,4	12,8	18,8	27	38
Aspiration		Natural aspired	Natural aspired	Natural aspired	Natural aspired	Turbocharged
Speed control		Mechanical	Electronic	Electronic	Electronic	Electronic
Alternator						
Model		Mecc Alte ECP3-1LN/4	Mecc Alte ECP3-3L/4	Mecc Alte ECP28-M/4	Mecc Alte ECP28-VL/4	Mecc Alte ECP32-3S/4
Rated Output (ESP 27°C / PRP 40°C)	kVA	11,8 / 11	16 / 15	21,5 / 20	33 / 30	48 / 43
Excitation type / AVR model		MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR
Noise level						
Sound power level (LwA)	dB(A)	90	90	91	92	92
Sound pressure level (LpA) at 7m	dB(A)	63	63	64	66	66
Dimensions and weight						
Length (standard / skid)	mm	1750 / 1800	1750 / 1800	1750 / 1800	2200 / 2250	2200 / 2250
Width (standard / skid)	mm	840 / 944	840 / 944	840 / 944	940 / 1045	940 / 1045
Height (Standard / 24-48H / 1000l fuel tank)	mm	1120 / 1530 / 1950	1120 / 1530 / 1950	1120 / 1530 / 1950	1270 / 1710	1270 / 1710
Weight (wet without fuel) (Standard / 48H / 1000l fuel tank)	kg	580 / 700 / 980	680 / 800 / 1080	740 / 860 / 1140	970 / 1150	1040 / 1220

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QES 60	QES 85	QES 105	QES 120	QES 150	QES 200
50	50	50	50	50	50
400	400	400	400	400	400
61 / 49	84 / 67	104 / 83	119 / 95	150 / 120	200 / 160
66 / 53	92 / 74	114 / 91	131 / 105	164 / 131	220 / 176
0,8	0,8	0,8	0,8	0,8	0,8
88	121	150	172	217	289
160 / 520	230 / 680	230 / 680	230 / 680	375 / 950	375 / 950
14,8	19,6	24	28	34,5	45,8
10 / 35	11 / 34	9 / 28	8 / 24	10 / 27	8 / 20
G2	G3	G3	G3	G3	G3
John Deere 4045HFU81	John Deere 4045HFU82_A	John Deere 4045HFU82_B	John Deere 4045HFU82_C	John Deere 6068HFU82_A	John Deere 6068HFU82_B
EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA
1500	1500	1500	1500	1500	1500
54	73	90	102	134	178
Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler
Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic
Mecc Alte ECP32-2M/4B	Mecc Alte ECP34-1S/4	Mecc Alte ECP34-2S/4	Mecc Alte ECP34-1L/4	Mecc Alte ECP34-2L/4	Mecc Alte ECO38-2S/4
71 / 63	95 / 85	116 / 105	148 / 135	164 / 150	220 / 200
MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR	MAUX / DSR
92	95	95	97	92	97
66	69	69	71	66	71
2255 / 2300	2900 / 2980	2900 / 2980	2900 / 2980	3265 / 3350	3265 / 3350
1130	1150	1150	1150	1170	1170
1615 / 2015	1710 / 2085	1710 / 2085	1710 / 2085	1860 / 2226	1860 / 2226
1500 / 1680	1765 / 2000	1855 / 2090	1910 / 2140	2110 / 2400	2210 / 2500

(1) 60Hz models available, please consult.
(2) Other voltages available, please consult.

Preliminary data for some QES JD models

PORTABLE ENERGY SOLUTIONS PORTFOLIO

AIR COMPRESSORS

READY TO GO
- 1-5 m³/min
- 7-12 bar

VERSATILITY
- 7-22 m³/min
- 7-20 bar

PRODUCTIVITY PARTNER
- 19-64 m³/min
- 10-35 bar

Diesel and electric options available.

GENERATORS

PORTABLE
- 1,6-13,9 kVA

MOBILE
- 9-1250* kVA

INDUSTRIAL
- 10-1250* kVA

*Multiple configurations available to produce power for any size application.

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
- 275-16.500 l/min

DIESEL DRIVEN CANOPY
- 833-9833 l/min

DIESEL DRIVEN OPEN FRAME
- 3300-7500 l/min

LIGHT TOWERS

LED

METAL HALIDE

SOLAR

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 principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

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