

# QES EU Emission compliant

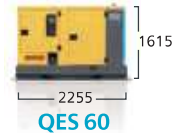
## Technical data



QES 9-20



QES 30-40



QES 60

Stage V

Stage V

Stage V

Electrical data		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
Rated frequency <sup>(1)</sup>	Hz	50	50	50	50	50	50
Exhaust gas emission compliance		EU Stage V	EU Stage V	EU Stage V	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA
Rated voltage <sup>(2)</sup>	V	400	400	400	400	400	400
Prime power (PRP)	kVA/kW	9,2/7,4	14,3/11,4	17,5 / 14	30/24	42/34	61/49
Rated standby power (ESP)	kVA/kW	10,1/8,1	15,7/12,5	19,3 / 15,4	33/26	46/37	66/53
Power factor cos φ		0,8	0,8	0,8	0,8	0,8	0,8
Rated current (PRP)	A	13	20,6	25,4	43	61	88
Performance class acc. ISO-8528/5		G1	G2	G2	G2	G2	G2
Operating temperature (min/max) <sup>(3)</sup>	°C	-25/50	-25/50	-25/50	-25/50	-25/50	-25/50

### 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	160/520
Fuel consumption at 100% PRP load	l/h	2,4	3,5	5	6,9	9,8	14
Fuel autonomy at full load (Standard/24-48H/1000l fuel tank)	h	23/104/412	16/72/285	11/50/198	15/69	10/48	11/37

### Engine

Model		Kubota D1105-BG2	Kubota D1705M-E4BG	Kubota V2203M-E4BG	Kubota V3300-IDI-BG	Kubota V3800-DI-T-E3BG	John Deere 4045HF681
Speed	rpm	1500	1500	1500	1500	1500	1500
Rated net power (with fan)	kWm	8,4	13,2	15,8	27	38	53,97
Aspiration		Natural aspired	Natural aspired	Natural aspired	Natural aspired	Turbocharged	Turbocharged with aftercooler
Speed control		Mechanical	Electronic	Electronic	Electronic	Electronic	Mechanical
Number of cylinders		3	3	4	4	4	4
Coolant		Coolant	ParCool®	ParCool®	Coolant	Coolant	Coolant
Swept volume	l	1,12	1,7	2,2	3,3	3,8	4,5

### 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	Mecc Alte ECP32-2M/4B
Rated Output (ESP 27°C/PRP 40°C)	kVA	11,8/11	16/15	21,5/20	33/30	48/43	71/63
Degree of protection/Insulation class		IP 23/H	IP 23/H	IP 23/H	IP 23/H	IP 23/H	IP 23/H
Excitation type/AVR model		MAUX/DSR	MAUX/DSR	MAUX/DSR	MAUX/DSR	MAUX/DSR	MAUX/DSR

### Noise level

Sound power level (LwA)	dB(A)	85	87	89	88	90	91
Sound pressure level (LpA) at 7m	dB(A)	58	60	62	62	64	65

### Dimensions and weight

Length (standard/skid)	mm	1750/1800	1750/1800	1750/1800	2200/2250	2200/2250	2255/2300
Width (standard/skid)	mm	840/944	840/944	840/944	940/1045	940/1045	1130
Height (Standard/24-48H/1000l fuel tank)	mm	1120/1530/1950	1120/1530/1950	1120/1530/1950	1270/1710	1270/1710	1615/2015
Weight wet without fuel (Standard/24-48H/1000l fuel tank)	kg	580/700/980	680/800/1080	740/860/1140	970/1150	1040/1220	1500/1680

(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.