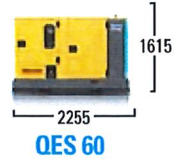
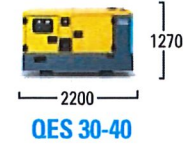


# QES EU Stage IIIA



## TECHNICAL DATA

Electrical data		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
Rated frequency	Hz	50	50	50	50	50	50
Exhaust gas emission compliance		Below 19 kW	Below 19 kW	EU Stage IIIA	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 / 7,2	13,8 / 11	20 / 16	30 / 24	42 / 34	61 / 49
Rated standby power (ESP)	kVA / kW	10 / 8	16 / 12,8	21,5 / 17,2	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	29	43	61	88
Performance class acc. ISO-8528/5		G2	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		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
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	22 / 104 / 412	15 / 71 / 282	11 / 50 / 198	15 / 69	10 / 48	11 / 37

Engine		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
Model		Kubota D1105-BG2	Kubota D1703-M-BG	Kubota V2403-M-BG	Kubota V3300-DI-BG	Kubota V3800-DI-T-E3BG	John Deere 4045HFU81
Speed	rpm	1500	1500	1500	1500	1500	1500
Rated net power (with fan)	kW <sub>m</sub>	8,4	12,8	18,8	27	38	54
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	Coolant	Coolant	Coolant	Coolant	Coolant
Swept volume	l	1,12	1,7	2,4	3,3	3,8	4,5

Alternator		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
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		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
Sound power level (LwA)	dB(A)	90	90	91	92	92	91
Sound pressure level (LpA) at 7m	dB(A)	63	63	64	66	66	65

Dimensions and weight		QES 9	QES 14	QES 20	QES 30	QES 40	QES 60
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