



Electrical data		QES 85	QES 105	QES 120	QES 150	QES 200	QES 250	QES 325	QES 400	QES 500
Rated frequency <sup>(1)</sup>	Hz	50   60	50   60	50   60	50   60	50   60	50   60	50   60	50   60	50   60
Exhaust gas emission compliance		EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA
Rated voltage <sup>(2)</sup>	V	400   480	400   480	400   480	400   480	400   480	400   480	400   480	400   480	400   480
Prime power (PRP)	kVA / kW	84 / 67   84 / 67	104 / 83   104 / 83	120 / 96   120 / 96	150 / 120   160 / 128	200 / 160   209 / 167	250 / 200   259 / 207	326 / 261   347 / 277	400 / 320   409 / 327	500 / 400   590 / 500
Rated standby power (ESP)	kVA / kW	91 / 73   92 / 74	114 / 91   115 / 92	132 / 105   132 / 105	164 / 131   176 / 141	220 / 176   230 / 184	275 / 220   289 / 231	356 / 285   379 / 303	437 / 350   447 / 357	546 / 437   625 / 500
Power factor cos φ		0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Rated current (PRP)	A	121   101	150   125	173   144	216   192	289   251	362   311	473   417	580   493	725   710
Performance class acc. ISO-8528/5		G3	G3	G3	G3	G3	G3	G3	G3	G3
Operating temperature (min/max) <sup>(3)</sup>	°C	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-25 / 50	-25 / 50

Fuel consumption										
Fuel tank capacity (Standard/24-48H/1000l fuel tank)	l	230 / 680	230 / 680	230 / 680	375 / 950	375 / 950	405 / 1180	590 / 1625	590 / 1625	1055 / 2100
Fuel consumption at 100% PRP load	l / h	18,5   20	23,4   24,2	27,1   27,3	32,5   35,3	44,1   46,5	52   56	68   71	83   87	103   119
Fuel autonomy at full load (Standard / 24-48H / 1000l fuel tank)	h	12 / 36   12 / 34	10 / 29   10 / 28	8 / 25   8 / 25	11 / 29   10 / 27	8 / 21   8 / 20	8 / 22   7 / 21	9 / 24   8 / 23	7 / 19   7 / 19	10 / 20   9 / 18

Engine										
Model		John Deere 4045HFU82_A	John Deere 4045HFU82_B	John Deere 4045HFU82_C	John Deere 6068HFU82_A	John Deere 6068HFU82_B	Volvo TAD 754 GE	Volvo TAD 1351 GE	Volvo TAD 1355 GE	Volvo TAD 1651 GE
Speed	rpm	1500   1800	1500   1800	1500   1800	1500   1800	1500   1800	1500   1800	1500   1800	1500   1800	1500   1800
Rated net power (with fan)	kW <sub>m</sub>	73   72	90   89	105   103	134   136	175   178	217   219	279   294	355   344	430   494
Aspiration		Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler	Turbocharged with aftercooler
Speed control		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Number of cylinders		4	4	4	6	6	6	6	6	6
Coolant		Coolant	Coolant	Coolant	Coolant	Coolant	Coolant	Coolant	Coolant	Coolant
Swept volume	l	4,5	4,5	4,5	6,8	6,8	7,15	12,8	12,8	16,1

Alternator										
Model		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	Mecc Alte ECO38-1L	Mecc Alte ECO38-3L	Mecc Alte ECO40-1S	Mecc Alte ECO40-3S
Rated Output (ESP 27°C / PRP 40°C)	kVA	95 / 85   108 / 102	116 / 105   132 / 126	148 / 135   172 / 162	164 / 150   202 / 192	220 / 200   253 / 240	275 / 250   316 / 300	370 / 350   432 / 420	437 / 400   500 / 480	546 / 500   625 / 600
Degree of protection / Insulation class		IP 23 / H	IP 23 / H	IP 23 / H	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	MAUX / DSR	MAUX / DER1	MAUX / DER1

Noise level										
Sound power level (LwA)	dB(A)	89   92	92   95	95   98	93   96	97   101	97   100	97   100	97   100	98   101
Sound pressure level (LpA) at 7m	dB(A)	63   66	66   69	69   72	67   70	71   75	71   74	71   74	71   74	72   75

Dimensions and weight										
Length (standard / skid)	mm	2900 / 2980	2900 / 2980	2900 / 2980	3265 / 3350	3265 / 3350	3675 / 3755	4580 / 4660	4580 / 4660	5000 / 5080
Width (standard / skid)	mm	1150	1150	1150	1170	1170	1400 / 1450	1500 / 1550	1500 / 1550	1650 / 1700
Height (Standard / 24-48H / 1000l fuel tank)	mm	1710 / 2085	1710 / 2085	1710 / 2085	1860 / 2226	1860 / 2226	2065 / 2235	2235 / 2500	2235 / 2500	2300 / 2625
Weight wet without fuel (Standard / 24-48H / 1000l fuel tank)	kg	1765 / 2000	1855 / 2090	1910 / 2140	2110 / 2400	2210 / 2500	3220 / 3720	4600 / 4985	4830 / 5215	5835 / 6265

(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.