

Technical Data Sheet

Technical Information

Standby Power (ESP)	kVA	90
	kW	72
Prime Power (PRP)	kVA	82
	kW	65
Power Factor	cos ϕ	0,8
Frequency	Hz	50
Voltage	V	230/400

Standby Power (ESP)

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

Prime Power (PRP)

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.



Weight and Dimensions

Length	mm	2900
Width	mm	1100
Height	mm	1700
Weight	kg	1300
Fuel tank capacity	Liters	150
Model	Soundproof canopy	
Noise level (at 7m)	dB	69

Engine		Perkins - UK
Model	-	1104A 44TG2
No. of cylinders	-	4 in line
Engine Capacity	c.c.	4400
Bore	mm	105
Stroke	mm	127
Compression ratio	-	17,25:1
Cooling system	-	Water
Speed	rpm	1500
Engine Gross Power	kWm	80,7
Lubrication Oil Capacity	liters	8
Coolant Capacity	liters	13
Water jacket heater	-	Yes
Battery charger	-	Yes
Fuel Consumption	100%	18,7 L/h
	75%	14 L/h
	50%	9,7 L/h

Alternator		Marelli - Italy
Model	-	MJB225SA4
Power (Standby)	kVA	93,5
Excitation System	-	AVR, Brushless
Degree of Protection	-	IP 23

Control panel		Deep Sea - UK
Instruments	Alarms	
Voltmeter	Start-up failure	
Ammeter	Battery charge failure	
Frequency meter	Low oil pressure	
Hour meter	High engine water temperature	
Events history	Low Fuel Level	
Display LCD+LED	Emergency Stop	
Communication port RS 232 + RS 485	Over speed	

- Product certified according ISO 9001, ISO 14001 and CE standards.
- The information and images contained in this document are for general purposes and are subject to change without prior notice.



MARRO ELECTRIC SYSTEMS

Bucharest, Romania

office@marro.ro

www.marro.ro