

Technical Data Sheet

Technical Information

Standby Power (ESP)	kVA	450
	kW	360
Prime Power (PRP)	kVA	409
	kW	327
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	5000
Width	mm	1650
Height	mm	2250
Weight	kg	4200
Fuel tank capacity	Liters	900
Model	Soundproof canopy	

Engine		Perkins - UK
Model	-	2206A E13TAG3
No. of cylinders	-	6 in line
Engine Capacity	c.c.	12500
Bore	mm	130
Stroke	mm	157
Compression ratio	-	16,3:1
Cooling system	-	Water
Speed	rpm	1500
Engine Gross Power	kWm	412,5
Lubrication Oil Capacity	liters	40
Coolant Capacity	liters	51
Water jacket heater	-	Yes
Battery charger	-	Yes
Fuel Consumption	100%	89 L/h
	75%	81 L/h
	50%	62 L/h

Alternator		Marelli - Italy
Model	-	MJB315MA4
Power (Standby)	kVA	450
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