

Technical Data Sheet

Technical Information		
Standby Power (ESP)	kVA	495
	kW	396
Prime Power (PRP)	kVA	450
	kW	360
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	4400
Width	mm	1600
Height	mm	2600
Weight	kg	4400
Fuel tank capacity	Liters	700
Model	Soundproof canopy	
Noise level (at 7m)	dB	98

Engine		Volvo
Model	-	TAD1345GE
No. of cylinders	-	6 in line
Engine Capacity	c.c.	12800
Bore	mm	108
Stroke	mm	130
Compression ratio	-	18:1
Cooling system	-	Water
Speed	rpm	1500
Engine Gross Power	kWm	427
Lubrication Oil Capacity	liters	36
Coolant Capacity	liters	44
Water jacket heater	-	Yes
Battery charger	-	Yes
Fuel Consumption	100%	81,8 L/h
	75%	62,3 L/h

Alternator		Sincro - Italy
Model	-	SK315SL
Power (Standby)	kVA	500
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