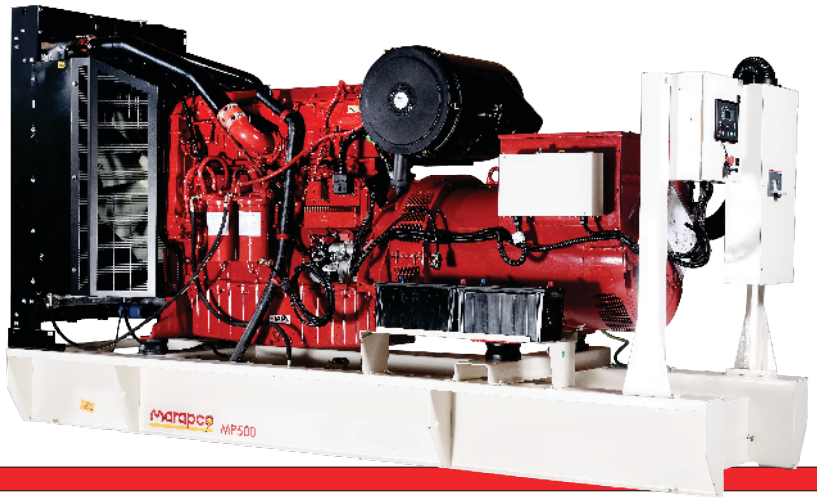
MP500-MP550E



Since 1996 Marapco Generating Sets have provided reliable, dependable and trustworthy power solutions for the global market. Marapco Generating Sets combine quality and performance to deliver a superior product, making Marapco a market leading Generating Set throughout Nigeria.

Generator Output Rating at - 50Hz

380-415V	KVA	KW
Prime	500.0	400.0
Standby	550.0	440.0

@ 0.8 p.f.

Generator Output Rating at - 60Hz

480V	KVA	KW
Prime	500..0	400.0
Standby	563.0	450.4

@ 0.8 p.f.

Engine Data

Engine Manufacturer:	Perkins UK
Engine Model:	2506A-E15TAG2
Number of Cylinders:	6
Cylinder Arrangement:	Vertical In Line
Cycle:	4 Stroke
Bore/Stroke mm (in):	137.0 (5.4) / 171.0 (6.7)
Induction:	Turbo charged & air - to- air Charge cooled
Compression ratio:	16.0:1
Displacement I (cu.in):	15.2 (927.6)

General Data

	Liter	US/Gal
Fuel Tank Capacity:	475.0	125.5
Fuel Tank:	Semi Bunded	
Base Frame:	Heavy Duty-Powder Painted	
Control Panel:	Deep Sea Electronics	
Circuit Breaker:	3 Pole MCCB	

Performance	50Hz		60Hz	
Engine Speed:	1500		1800	
Gross Engine Power:	*kWm*	*Bhp*	*kWm*	*Bhp*
Prime:	451.0	604.8	458.0	614.2
Standby:	495.0	663.8	514.0	689.3
Fuel Consumption:	*L/Hr*	*US Gal/Hr*	*L/Hr*	*US Gal/Hr*
Prime:	100	26.42	102	26.95
Standby:	111	29.32	116	30.64

Standard Reference Conditions:

Output ratings are presented at normal conditions of temperature and pressure. This generator set is designed to operate in high ambient temperatures and altitudes. Please consult your dealer for specific site ratings.

* In line with our policy of continuous product development, we reserve the right to change specification without notice.

Dimensions and Weights

Length		Width		Height		Dry		Wet	
Millimeter	Inch	Millimeter	Inch	Millimeter	Inch	KG	LB	KG	LB
3700.0	146.0	1140.0	45.0	2100.0	83.0	3900.0	8598.0	4000.0	8819.0

* With Lube Oil

* With Lube Oil & Coolant

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Rating Definition

Prime Rating

These rating are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating

These rating are applicable for supply continuous electrical power (at variable load) in the event of utility power failure. *No overload is permitted on these ratings.* The alternator model is peak continuous rated *(as defined in ISO 8528-3)*

Air Flow

	50 Hz		60 Hz	
	M³/min	Ft³/min	M³/min	Ft³/min
Combustion Air Flow:	36.6	1293	38.0	1342
Exhaust Gas Flow:	98.0	3461	105.3	3719
Radiator Cooling Air Flow:	722.0	25497	866.0	30583

*Cooling system designed to operate in ambient conditions

Alternator Data

Alternator Manufacturer:	Leroy Somer
Alternator Model:	LSA 47.2 M7
Number of Bearings:	Single (1)
Insulation Class:	H
Total Harmonic Content:	4.00%
Wires:	12
Ingress Protection Rating:	IP 23
Excitation System:	Shunt
Winding Pitch Code:	2/3 - 6

Principles

Perkins manufactures diesel engines and power solutions to the highest levels of performance and reliability. MARAPCO incorporates this engine throughout their full range.

Leroy Somer is a world leader in the manufacturing of power generation, combining quality with performance to produce a market leading alternator for MARAPCO.

Deep Sea Electronics control modules deliver unrivaled functionality and performance. MARAPCO generating sets use this latest technology to its full potential.

Logos are registered trademarks of Perkins, Leroy Somer & Deep Sea Electronics

Sound Attenuated Enclosure

Length		Width		Height	
Millimeter	Inch	Millimeter	Inch	Millimeter	Inch
5050.0	208.0	1950.0	76.0	3120.0	123.0

Sound Pressure Level's:	50 Hz	60 Hz
dBA @ 1m (100% Load)	84.0	N/A
dBA @ 5m (100% Load)	82.0	N/A
dBA @ 7m (100% Load)	80.0	N/A

*Please refer to the Sound Proof Brochure for more information

Cooling & Lubrication

	50 Hz		60 Hz	
	Liter	US/Gal	Liter	US/Gal
Coolant Capacity:	58.0	15.3	58.0	15.3
Lube Oil Capacity:	62.0	16.4	62.0	16.4

	°C	°F	°C	°F
Exhaust Temperature:	550	1022	550	1022

Other Information

Generating Set Standards

This generating set meets the following standards: ISO8528, BS4999, BS5514, IEC60034, VDE0530

Warranty

This generator is covered against manufacturing and workmanship defects. Kindly refer to warranty statement for more details.

Picture shown in leaflet may include optional accessories

Distributed By:

JUBAILI BROS

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