



MP500E

Since 1994 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 the Middle East, Asia & Africa.

0	N-4!4	FOLI	_
Generator Output F	kating at -	· 50H	Z
400V	KVA		KW
Prime	450.0		360.0
Standby	500.0		400.0
			@ 0.8 p.f.
Generator Output F	Rating at -	60H	z
480V	KVA		KW
Prime	500.0		400.0
Standby	563.0		450.4
			@ 0.8 p.f.
Engine Data			
Engine Data Engine Manufacturer:	P	erkin	s USA
_	·		s USA 15TAG1
Engine Manufacturer:	·		15TAG1
Engine Manufacturer: Engine Model:	250	6 (6	15TAG1
Engine Manufacturer: Engine Model: Number of Cylinders:	250	6 (6	15TAG1 In Line
Engine Manufacturer: Engine Model: Number of Cylinders: Cylinder Arrangement	250 :: Ve	06A-E 6 rtical 4 Str	15TAG1 In Line
Engine Manufacturer: Engine Model: Number of Cylinders: Cylinder Arrangement Cycle:	250 :: Ve 137.0 (Turbo ch	06A-E 6 rtical 4 Str 5.4) /	15TAG1 In Line oke
Engine Manufacturer: Engine Model: Number of Cylinders: Cylinder Arrangement Cycle: Bore/Stroke mm (in):	250 :: Ve 137.0 (Turbo ch	06A-E 6 rtical 4 Str 5.4) /	In Line oke 171.0 (6.7) d & air-to-air cooled

General Data				
	Liter	US/Gal		
Fuel Tank Capacity:	820.0	216.6		
Fuel Tank:	Powder Coated Steel			
Base Frame:	Heavy Duty-Powder Coated			
Control Panel:	Deep Sea Electronics			
Circuit Breaker:	ABB 3 Pole MCB			

Performance	50Hz		60HZ	
Engine Speed:	150	1500		00
Gross Engine Power:	kWm	Bhp	kWm	Bhp
Prime:	412.0	552.0	485.0	614.2
Standby:	451.0	605.0	514.0	689.3
Fuel Consumption:	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
Prime:	95	25.09	102	26.95
Standby:	104	51.24	116	30.64
Standby:	104	51.24	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.

* With Lube Oil & Coolant

Please consult your dealer for specific site ratings.

* With Lube Oil

Dimensions and Weights

Len	gth	Wic	lth	He	ight	[Ory	\	Wet
Millimeter	Inch	Millimeter	Inch	Millimeter	Inch	KG	LB	KG	LB
3871.0	152.4	1120.0	44.1	2173.0	83.9	3747.0	8260.0	3847.0	8481.0

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	50Hz		60Hz	
	M³/min	Ft³/min	M³/min	Ft³/min
Combustion Air Flow:	25.8	911	34.3	1211
Exhaust Gas Flow:	71.4	2521	96.0	3390
Radiator Cooling: Air Flow	722.0	25497	866.0	30583

^{*}Cooling system designed to operate in high ambient conditions

Alternator Data

Alternator Manufacturer:	Leroy Somer
Alternator Model:	LSA47.2 S5 TALO47B
Number of Bearings:	Single (1)
Insulation Class:	Н
Total Harmonic Content:	< 2 % < 5%
Wires:	12 6
Ingress Protection Rating:	IP 23
Excitation System:	Shunt
Winding Pitch Code:	2/3 - 6



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

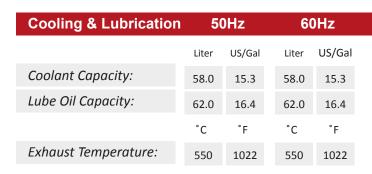


Leroy Somer is a world leader in the manufacturing of power generation, combining quality with performance to produce a market leading alternator for MARAPCO.



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

 $Logos\ and\ Brands\ of\ Perkins,\ Leroy\ Somer,\ ABB\ \&\ Deep\ Sea\ Electronics\ \ are\ registered\ Trademarks$





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 warrant statement for more details.

Picture shown in leaflet may include optional accessories

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