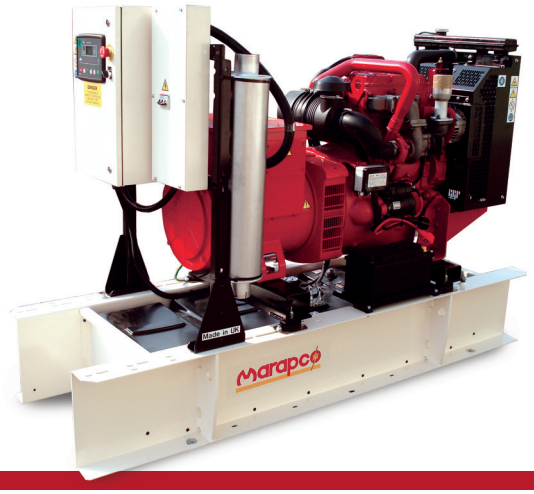
MP53-MP59E



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.

Generator Output Rating at - 60Hz

220/127V	*KVA*	*KW*
Prime	53.0	42.4
Standby	59.0	47.2

@ 0.8 p.f.

Generator Output Rating at - 60Hz

380/220V	*KVA*	*KW*
Prime	46.0	36.8
Standby	51.0	40.8

@ 0.8 p.f.

Engine Data

Engine Manufacturer:	Perkins UK
Engine Model:	1103A-33TG1
Number of Cylinders:	3
Cylinder Arrangement:	Vertical In Line
Cycle:	4 Stroke
Bore/Stroke *mm (in):*	105.0 (4.1) / 127.0 (5.0)
Induction:	Turbo charged
Compression ratio:	17.25:1
Displacement *l (cu.in):*	3.3 (201)

General Data

	Liter	US/Gal
Fuel Tank Capacity:	220.0	58.1
Fuel Tank:	UV Resistant MDPE	
Base Frame:	Heavy Duty-Powder Coated	
Control Panel:	Deep Sea Electronics	
Circuit Breaker:	ABB 3 Pole MCB	

Performance	**60HZ**	
Engine Speed:	1800	
Gross Engine Power:	kWm	Bhp
Prime:	50.5	67.7
Standby:	54.5	73.1
Fuel Consumption:	L/Hr	US Gal/Hr
Prime:	12.9	3.408
Standby:	14.3	3.778

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.

Dimensions and Weights

Length		Width		Height		Dry		Wet	
Millimeter	Inch	Millimeter	Inch	Millimeter	Inch	KG	LB	KG	LB
1941.0	76.4	790.0	31.1	1465.0	57.7	789.0	1739.4	810.0	1785.7

* With Lube Oil

* With Lube Oil & Coolant

Marapco Ltd
8 Meadowbank Rd - Carrickfergus - N. Ireland - U.K. BT38 8YF
Tel: +44 (0) 2893 355674 - www.marapco.com - Email: sales@marapco.com

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 60Hz

	M³/min	Ft³/min
Combustion Air Flow:	3.9	138
Exhaust Gas Flow:	9.5	335
Radiator Cooling: Air Flow	70.0	2472

*Cooling system designed to operate in high ambient conditions

Alternator Data

Alternator Manufacturer:	Leroy Somer
Alternator Model:	LSA42.3M7
Number of Bearings:	Single (1)
Insulation Class:	H
Total Harmonic Content:	at no load <3%
Wires:	12
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.

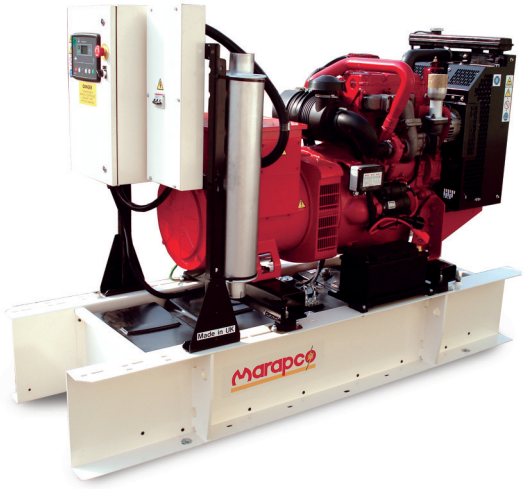
Leroy Somer is a world leader in the manufacturing of power generation, combining quality with performance to produce a market leading alternator for MARAPCO.

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

Cooling & Lubrication 60Hz

	Liter	US/Gal
Coolant Capacity:	10.2	2.7
Lube Oil Capacity:	8.3	2.2
	°C	°F
Exhaust Temperature:	551	1024



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, all data is correct at the time of process and we reserve the right to change specification without prior notice

Distributed & Serviced by:

2104/2020

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