



## MP300-MP330E

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
<b>Prime</b>	300.0	240.0
<b>Standby</b>	330.0	264.0

@ 0.8 p.f.

### Generator Output Rating at - 60Hz

480V	KVA	KW
<b>Prime</b>	N/A	N/A
<b>Standby</b>	N/A	N/A

@ 0.8 p.f.

### Engine Data

<b>Engine Manufacturer:</b>	Perkins UK
<b>Engine Model:</b>	1606-E93TAG5
<b>Number of Cylinders:</b>	6
<b>Cylinder Arrangement:</b>	Vertical In Line
<b>Cycle:</b>	4 Stroke
<b>Bore/Stroke mm (in):</b>	116.6(4.59) / 146.0 (5.74)
<b>Induction:</b>	Turbo charged Air-to-air Charge cooled
<b>Compression ratio:</b>	17.2:1
<b>Displacement l (cu.in):</b>	9.3 (567.5)

### General Data

	Liter	US/Gal
<b>Fuel Tank Capacity:</b>	507.0	133.9
<b>Fuel Tank:</b>	Semi Bunded	
<b>Base Frame:</b>	Heavy Duty-Powder Painted	
<b>Control Panel:</b>	Deep Sea Electronics	
<b>Circuit Breaker:</b>	3 Pole MCCB	

Performance	50Hz		60Hz	
Engine Speed:	1500		N/A	
Gross Engine Power:	kWm	Bhp	kWm	Bhp
Prime:	271.0	363.4	N/A	N/A
Standby:	297.0	398.3	N/A	N/A
Fuel Consumption:	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
Prime:	61	16.11	N/A	N/A
Standby:	66	17.44	N/A	N/A

### 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
3350.0	131.9	1300.0	51.2	1760.0	69.3	2460.0	5423.3	2525.0	5566.6

\* 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

	M <sup>3</sup> /min	Ft <sup>3</sup> /min	M <sup>3</sup> /min	Ft <sup>3</sup> /min
Combustion Air Flow:	21.6	762.8	N/A	N/A
Exhaust Gas Flow:	22.8	805.2	N/A	N/A
Radiator Cooling Air Flow:	609.0	21507	N/A	N/A

\*Cooling system designed to operate in ambient conditions

## Alternator Data

Alternator Manufacturer: Leroy Somer

Alternator Model: LSA46.2VL12

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 - 6S

## Principles



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

### Diesel Power



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.

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## Sound Attenuated Enclosure

### Length

Millimeter	Inch
4100.0	161.4

### Width

Millimeter	Inch
1300.0	51.2

### Height

Millimeter	Inch
2300.0	90.6

### Sound Pressure Level's:

	50 Hz	60 Hz
dBA @ 1m (100% Load)	89.0	N/A
dBA @ 5m (100% Load)	83.0	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:	30.9	8	N/A	N/A
Lube Oil Capacity:	36.0	9.5	N/A	N/A
	kW	Btu/m	kW	Btu/m
Heat rejected to exhaust	160	9099	N/A	N/A
Heat rejected to coolant	123	6995	N/A	N/A
Heat radiated to room	45	2559	N/A	N/A

	°C	°F	°C	°F
Exhaust Temperature:	410	770	N/A	N/A

## Other Information

### Generating Set Standards

This generating set meets the following standards: ISO8528, ISO3046

### Warranty

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

## Distributed By:



## Marapco Ltd

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