



**DME-power is  
Reliable in every  
Application**



We offer a wide range of products, which are supported by our proven years of unrivaled, reliable and consistent service. These products have established high benchmarks as preferred solutions for energy needs worldwide.

## Generator Output Rating at -50HZ

400V- 415V	KVA	KW
<b>Prime</b>	300	240
<b>Standby</b>	330	220

@ 0.8 p.f.

## Generator Output Rating at -60HZ

480V	KVA	KW
<b>Prime</b>	338	270
<b>Standby</b>	375	300

@ 0.8 p.f.

## Engine Data

<b>Engine Manufacturer:</b>	Perkins UK
<b>Engine Model:</b>	1506A-E88TAG5
<b>Number of Cylinders:</b>	6
<b>Cylinder Arrangement:</b>	Vertical In Line
<b>Cycle:</b>	4 Stroke
<b>Bore/Stroke mm (in):</b>	112(4.4) / 149(5.9)
<b>Induction:</b>	Turbo charged & air-to-air charge cooled
<b>Compression ratio:</b>	16.1:1
<b>Displacement l (cu.in):</b>	8.8(537.0)

## General Data

	Liter
<b>Fuel Tank Capacity:</b>	430 L
<b>Fuel Tank:</b>	UV Resistant MDPE
<b>Base Frame:</b>	Heavy Duty-Powder Coated
<b>Control Panel:</b>	Deep Sea Electronics DSE6110
<b>Circuit Breaker:</b>	ABB 3 Pole MCB

## Performance

	Engine Speed:			
	1500	1800		
<b>Gross Engine Power:</b>	kWm	Bhp	kWm	Bhp
	<b>Prime:</b>	281.0	376.7	325.0
<b>Standby:</b>	307.0	411.5	358.0	479.8
<b>Fuel Consumption:</b>	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
	<b>Prime:</b>	64.9	17.1	77.1
<b>Standby:</b>	73.1	19.3	85.7	22.6

## 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.

## Sound Proof Dimension

**Length**

**390 cm**

**Width**

**140 cm**

**Height**

**205 cm**

**Weight**

**3030 kg**

## Rating Definition

### **P** 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.

### **S** 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	
	M <sup>3</sup> /min	Ft <sup>3</sup> /min	M <sup>3</sup> /min	Ft <sup>3</sup> /min
Combustion Air Flow:	18.3	646.2	23.6	833.4
Exhaust Gas Flow:	50.0	1765.7	59.6	2104.7
Radiator Cooling: Air Flow	370	13066	482	17022

\*Cooling system designed to operate in high ambient conditions

## Alternator Data

Alternator Manufacturer:	Leroy Somer
Alternator Model:	LSA46.3 M8   TAL046F
Number of Bearings:	Single (1)
Insulation Class:	H
Total Harmonic Distortion:	< 2.5%   < 5%
Wires:	12   6
Ingress Protection Rating:	IP 23
Excitation System:	Shunt
Winding Pitch Code:	2/3 (n° 6)

## Cooling & Lubrication

	50Hz		60Hz	
	Liter	US/Gal	Liter	US/Gal
Coolant Capacity:	33.2	8.7	33.2	8.7
Lube Oil Capacity:	41.0	10.8	41.0	10.8
	°C	°F	°C	°F
Exhaust Temperature:	574	1065.2	512	953.6



## Other Information

### Generating Set Standards

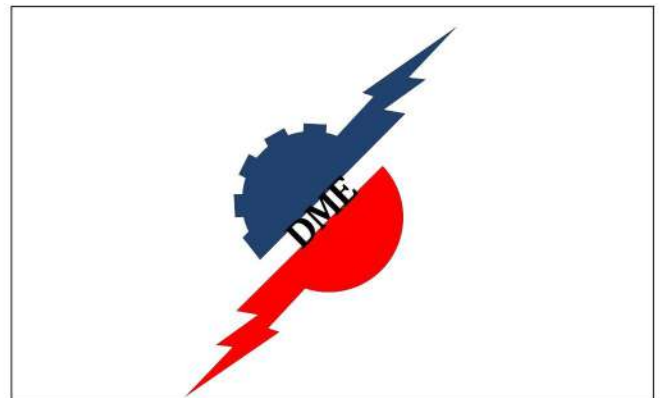
This generating set meets the following standards: ISO8528, BS4999, BS5514, IEC60034, VDE0530

### 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

## Distributed & Serviced by:



Perkins manufactures diesel engines and power solutions to the highest levels of performance and reliability. DME 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 DME.



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



الكويت



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