

# Ali Al Dousari For Diesel Generators

## DME-45

**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
Prime	45	36
Standby	50	40

@ 0.8 p.f.

### Generator Output Rating at -60HZ

480V	KVA	KW
Prime	53	42
Standby	58	46

@ 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)X127.0(5.0)
Induction:	Naturally Aspirated
Compression ratio:	17.25:1
Displacement l (cu.in):	3.3(201)

### General Data

	Liter
Fuel Tank Capacity:	260 L
Fuel Tank:	UV Resistant MDPE
Base Frame:	Heavy Duty-Powder Coated
Control Panel:	Deep Sea Electronics DSE702
Circuit Breaker:	ABB 3 Pole MCB

### Performance

Engine Speed:	1500		1800	
Gross Engine Power:	kWm	Bhp	kWm	Bhp
Prime:	42.2	56.6	50.5	67.7
Standby:	46.5	62.4	55.6	74.6
Fuel Consumption:	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
Prime:	7.2	1.902	12.9	3.408
Standby:	8.1	2.140	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.

### Sound Proof Dimension

Length

227 cm

Width

105 cm

Height

133 cm

Weight

950 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:	3.1	109	3.9	138
Exhaust Gas Flow:	7.7	272	9.5	335
Radiator Cooling: Air Flow	53.0	1872	70.0	2472

\*Cooling system designed to operate in high ambient conditions

## Alternator Data

Alternator Manufacturer:	Leroy Somer
Alternator Model:	LSA 42.3 M7   TAL042F
Number of Bearings:	Single (1)
Insulation Class:	H
Total Harmonic Distortion:	< 4%   < 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. 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.

## Cooling & Lubrication 50Hz

## 60Hz

	Liter	US/Gal	Liter	US/Gal
Coolant Capacity:	10.2	2.7	10.2	2.7
Lube Oil Capacity:	8.3	2.2	8.3	2.2
	°C	°F	°C	°F
Exhaust Temperature:	537	999	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 warrant statement for more details.

Picture shown in leaflet may include optional accessories

## Distributed & Serviced by:

