

# Ali Al Dousari For Diesel Generators

**DME-80**

**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	80	64
Standby	88	70

@ 0.8 p.f.

## Generator Output Rating at -60HZ

480V	KVA	KW
Prime	91	73
Standby	100	80

@ 0.8 p.f.

## Engine Data

Engine Manufacturer:	Perkins UK
Engine Model:	1104A-44TG2
Number of Cylinders:	4
Cylinder Arrangement:	Vertical In Line
Cycle:	4 Stroke
Bore/Stroke mm (in):	105.0(4.1)X127.0(5.0)
Induction:	Turbocharged
Compression ratio:	17.25:1
Displacement l (cu.in):	4.4(269)

## General Data

	Liter
Fuel Tank Capacity:	280 L
Fuel Tank:	UV Resistant MDPE
Base Frame:	Heavy Duty-Powder Coated
Control Panel:	Deep Sea Electronics DSE4510/20
Circuit Breaker:	ABB 3 Pole MCB

## Performance

Engine Speed:	1500		1800	
Gross Engine Power:	kWm	Bhp	kWm	Bhp
Prime:	73.4	98.4	84.5	113.3
Standby:	80.7	108.2	93.0	124.7
Fuel Consumption:	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
Prime:	18.7	4.94	22.3	5.891
Standby:	20.5	5.415	24.4	6.446

## 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**

**270 cm**

**Width**

**105 cm**

**Height**

**155 cm**

**Weight**

**1100 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:

5.14 182 6.5 230

Exhaust Gas Flow:

13.3 470 15.9 560

Radiator Cooling:  
Air Flow

89.0 3143 111.0 3920

\*Cooling system designed to operate in high ambient conditions

## Alternator Data

Alternator Manufacturer: Leroy Somer

Alternator Model: LSA44.3 S3 | TAL044B

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

## Cooling & Lubrication 50Hz

## 60Hz

Liter US/Gal Liter US/Gal

Coolant Capacity:

13.0 3.4 13.0 3.4

Lube Oil Capacity:

8.0 2.1 8.0 2.1

°C °F °C °F

Exhaust Temperature:

580 1076 560 1040



## 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.

