

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	1250	1000
Standby	1375	1100

@ 0.8 p.f.

Generator Output Rating at -60HZ

480V	KVA	KW
Prime	N/A	N/A
Standby	N/A	N/A

@ 0.8 p.f.

Engine Data

Engine Manufacturer:	Perkins UK
Engine Model:	4012-46TWG2A
Number of Cylinders:	12
Cylinder Arrangement:	60 Vee
Cycle:	4 Stroke
Bore/Stroke mm (in):	160.0(6.3) / 190.0(7.5)
Induction:	Turbo charged & water cooled Charge cooler
Compression ratio:	13:1
Displacement l (cu.in):	45.84(2797.3)

General Data

	Liter
Fuel Tank Capacity:	N/A
Fuel Tank:	N/A
Base Frame:	Heavy Duty-Powder Coated
Control Panel:	Deep Sea Electronics DSE7110
Circuit Breaker:	ABB 3 Pole MCB

Performance

Engine Speed:	1500		1800	
Gross Engine Power:	kWm	Bhp	kWm	Bhp
Prime:	1113.0	1492.0	N/A	N/A
Standby:	1224.0	1641.0	N/A	N/A
Fuel Consumption:	L/Hr	US Gal/Hr	L/Hr	US Gal/Hr
Prime:	259	64.42	N/A	N/A
Standby:	288	76.08	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.

Sound Proof Dimension

Length

1220 CM

Width

244 CM

Height

260 CM

Weight

9059 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

M³/min Ft³/min M³/min Ft³/min

Combustion Air Flow:

109.0 3849 N/A N/A

Exhaust Gas Flow:

235.0 8299 N/A N/A

Radiator Cooling:
Air Flow

1680.0 59682 N/A N/A

*Cooling system designed to operate in high ambient conditions

Alternator Data

Alternator Manufacturer: Leroy Somer

Alternator Model: LSA50.2 M6

Number of Bearings: Single (1)

Insulation Class: H

Total Harmonic Distortion: < 3.5%

Wires: 6

Ingress Protection Rating: IP 23

Excitation System: Shunt

Winding Pitch Code: 2/3 - 6S

Cooling & Lubrication 50Hz

60Hz

Liter US/Gal Liter US/Gal

Coolant Capacity:

201.0 53.1 N/A N/A

Lube Oil Capacity:

177.0 46.9 N/A N/A

°C °F °C °F

Exhaust Temperature:

422 792 N/A N/A



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

Perkins

Diesel Power

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

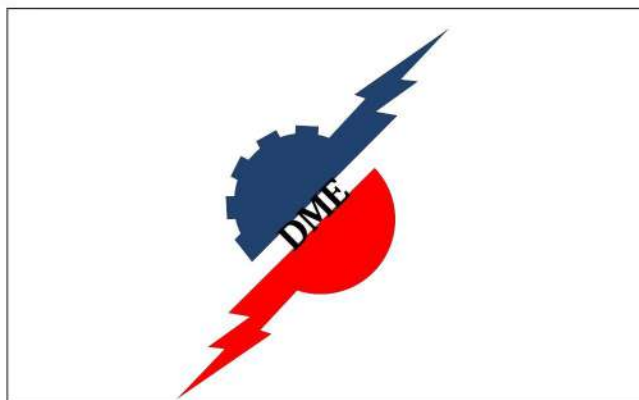
LEROY SOMER

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

DSE

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

Distributed & Serviced by:



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