



# MOSA GE 140 FSX



Product price:

**21.787,46 € tax excluded**

## Product description:

MOSA GE140 FSX 112 KW generating set

MOSA GE140 FSX three-phase 112 KW generator set with Iveco diesel engine. The MOSA GE140 FSX generator set is equipped with electric start. The alternator of the MOSA GE140 FSX generating set is synchronous, three-phase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator.

This MOSA is compact and easy to maneuver and transport thanks to its compact size, with a weight of 1700 kg as well as the practical pierceable base. The MOSA GE140 FSX generator set with 230 liters fuel tank has a fuel consumption of 20 liters/hour at 75% of the load for an autonomy of more than 11 hours.

## Technical specifications:

Three-phase Stand-by Output (LTP): 140 kVA (112 kW) / 400V / 202.1A

Three-phase PRP Output: 125 kVA (100 kW) / 400V / 180.4A

Three-phase COP Output: 99 kVA (79.2 kW) / 400V / 176.3A

Frequency: 50 Hz

Cos  $\phi$ : 0.8

## ENGINE TECHNICAL DATA

Model FPT (IVECO) N45TM3

Net stand-by output: 118.2 kW (160 hp)

Net PRP output: 107.2 kW (146 hp)

Net COP output: 85.7 kW (117 hp)

Cylinders/Displacement: 4/ 4500 cm<sup>3</sup> (4. 5 lt.)

Bore / Stroke: 104 / 132 (mm)

Compression Ratio: 17.5 : 1

BMEP (Effective Average Pressure: 2130 kPa - 1937 kPa





RPM Controller: Mechanical

110 % (Stand-by Power): 30. 4 lt./h - 211.5 g/kWh

100 % PRP: 27.6 lt./h - 211 g/kWh

75 % PRP: 20 lt./h - 206 g/kWh

50 % PRP: 14.4 lt. /h - 220 g/kWh

Cooling system: Liquid

Total capacity - engine only: 10 lt - 8.5 lt.

Fan air flow: 132 m<sup>3</sup>/min.

Total oil capacity: 12.8 l

Oil capacity in sump: 8.5 lt. ÷ 5.5 lt.

Oil consumption at full load: Maximum exhaust gas flow: 9 kg/mim.

Maximum exhaust gas temperature: 540 °C

Maximum back pressure: 5 kPa (0.05 bar)

Electrical system: 12 Vdc

Starter motor power: 3 kW

Alternating capacity. battery charge: 90 A

Cold start: - 10 °C

With cold start device: - 25°C

Air filter: Dry

Combustion air flow: 7. 1 m<sup>3</sup>/min

From exhaust: 590 kcal/kWh

From water and oil: 334 kcal/kWh

Injected to the environment: 215 kcal/kWh

Supercharger cooling: 118 kcal/kWh

#### TECHNICAL DATA ALTERNATOR

Continuous power: 132 kVA

Standby power: 145 kVA

Three-phase voltage: 380 - 415 Vac

Frequency: 50 Hz

Cos ? : 0.8

A.V.R. model. : MARK V

Voltage regulation accuracy: ± 0.5 %

Sustained short-circuit current: 3 In

Transient Cdt (100% of load): Response time: Yield at 100% load: 92.2 % (400V - Cos ? 0. 8)

Isolation: Class H

Connection - Terminals: Star - No. 12

Electromagnetic Compatibility: EN 55011

Harmonic Distortion - THD: Telephone Interference - THF: Direct Synchronous - Xd: 265 %

Direct Transitory - X'd: 19. 3 %

Subtransitory direct - X'd: 9.5 %

Synchronous quad. - Xq: 145 %

Subtransitory in quadrature - X'q: 10.6 %

Of reverse sequence - X2: 10.1 %

Of zero sequence - X0: 2.2 %





Transitory - T'd: 0.087 sec  
Subtransitory - T'd: 0.006 sec  
Unidirectional - T'do: 1. 08 sec  
Unidirectional - Ta / Armatures - Ta: 0.007 sec  
Short-circuit ratio Kcc: 0.42  
Protection class: IP 23  
Cooling air flow rate: 0.31 m<sup>3</sup>/sec.  
Coupling | Bearings: Direct SAE 3 -11 ½ - No. 1

#### GENERAL SPECIFICATIONS

Tank capacity: 230 lt.  
Run time (75% of PRP): 11. 5 h  
Measured acoustic power LwA: 94 dB(A) (69 dB(A) @ 7m)  
Guaranteed acoustic power LwA: 95 dB(A) (70 dB(A) @ 7m)  
Performance class: G2  
Length: 2630 mm  
Width: 1130 mm  
Height: 1750 mm  
Weight: 1700 kg

MOSA GE140 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 125 kVA (100 kW)

If you are looking for another product like the MOSA GE140 FSX generator set then you can find in our catalog other land based generator sets.

Images and technical data are not binding.

#### Product features:

Phase: Single phase / Three phase  
Maximum power three phase (KW): 112  
Continuous power three phase (KW): 79.2  
Maximum power three phase (KVA): 140  
Continuous power three phase (KVA): 99  
Fuel: Diesel  
Frequency (Hz): 50  
Voltage (V): 230 / 400  
Engine: FPT (IVECO) N45TM3, 4 stroke turbo-aftercooler  
Emissions Regulations: Stationary Use  
Engine rpm (rpm): 1500  
Speed governor: Mechanical  
Starting system: Electric





Engine capacity (cm<sup>3</sup>): 4500

Number cylinders: 4

Oil capacity (L): 12.8

Cooling: Water

Inyección : Direct

Alternator: Three-phase synchronous self-excited, self-regulated, brushless

Bore x stroke (mm): 104 x 132

Fuel tank capacity (L): 230

Consumption (L/h): 20 at 75% of the load

Running time (h): 11.5 at 75% of the load

Acoustic power: 95 dB(A)

Acoustic pressure: 70 dB(A) at 7 m

Length (mm): 2630

Width (mm): 1130

Height (mm): 1750

Dry weight (Kg): 1700

Silenced: Yes

Super silenced: Yes

Product type: Generator

ATS Switch device : Optional

Voltage regulator: AVR

Engine manufacturer: FPT Iveco