

MOSA GE 110 FSX Three-phase generator 110 kVA AVR - stage 3a engine



Product price:

23.899,25 € tax excluded

Product description:

MOSA GE110 FSX 88 KW generating set

MOSA GE110 FSX threephase 88 KW generator set with Iveco diesel engine. The MOSA GE110 FSX generator set is equipped with electric start. The alternator of the MOSA GE110 FSX generator set is synchronous, threephase, self-excited, self-regulated, brushless with class H insulation with AVR voltage regulator.

This MOSA is compact and convenient to maneuver and transport thanks to its compact size, weighing 1670 kg in addition to its practical drilled base.

Technical specifications MOSA GE110 FSX:

Threephase Stand-by Output (LTP): 110 kVA (88 kW) /400V / 159A

Threephase PRP Output: 100 kVA (80 kW) / 400V / 144A

Threephase COP Output: 81.5 kVA (65.2 kW) / 400V / 117.6A

Frequency: 50 Hz

Cos ? : 0.8

ENGINE TECHNICAL DATA

Model: Iveco FPT NEF45 TE2F

Net stand-by output: 98 kW (133 hp)

Net PRP output: 89 kW (121 hp)

Net COP output: 71 kW (97 hp)

Cylinders / Displacement: 4 / 4500 cm³ (4. 5 lt.)

Bore / Stroke: 104 / 132 (mm)

Compression ratio: 17.5 : 1

BMEP (Effective average pressure: 1777 kPa - 1617 kPa

RPM controller: Electronic

110 % (Stand-by power): 24. 8 lt./h - 208.5 g/kWh

100 % PRP: 22.8 lt./h - 210.7 g/kWh

75 % PRP: 17.5 lt./h - 215.4 g/kWh

50 % PRP: 13.4 lt./h - 225.4 g/kWh

Cooling system: Liquid

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

Fan air flow: 132 m³/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: 9,1 kg/mim.

Maximum exhaust gas temperature: 460 °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: 7.4 m³/min

TECHNICAL DATA ALTERNATOR

Continuous power: 105 kVA

Standby power: 116 kVA

Three-phase voltage: 380 - 415 Vac

Frequency: 50 Hz

Cos ϕ : 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: 91.8 % (400V - Cos ϕ 0.8)

Isolation: Class H

Connection - Terminals: Star - No. 12

Electromagnetic Compatibility: EN 55011

Harmonic Distortion - THD: Telephone Interference - THF: Direct Synchronous - Xd: 275 %

Direct Transitory - X'd: 21 %

Direct Subtransitory - X "d: 9.9 %

Synchronous in quad. - Xq: 150 %

Subtrans. in quadrature - X'q: 10.9 %

Of reverse sequence - X2: 10.4 %

Of zero sequence - X0: 2.2 %

Transitory - T'd: 0.078 sec

Subtransitory - T'd: 0.006sec

Avoid - T'do: 0.95 sec

Unidirectional - Ta / Armatures - Ta: 0.006 sec

Short-circuit ratio Kcc: 0.4

Protection class: IP 23

Cooling air flow rate: 0.31 m³/sec.
Coupling | Bearings: Direct SAE 3 -11 ½ - No. 1

GENERAL SPECIFICATIONS

Tank capacity: 230 lt.
Autonomy (75% of PRP): 13 h
Acoustic power measured LwA: 92 dB(A) (67 dB(A) @ 7m)
Acoustic power guaranteed LwA: 94 dB(A) (69 dB(A) @ 7m)
Performance class: G3
Length: 2630 mm
Width: 1130 mm
Height: 1750 mm
Weight: 1670 Kg

MOSA GE110 FSX - Iveco diesel engine electric start - Three-phase alternator - Threephase power 100 kVA (80 kW)

If you are looking for another product like MOSA GE110 FSX generator set then you can check other ground generators in our catalog.

Images and technical data are not binding.

Product features:

Phase: Single phase / Three phase
Maximum power three phase (KW): 88
Continuous power three phase (KW): 65.2
Maximum power three phase (KVA): 110
Continuous power three phase (KVA): 81.5
Fuel: Diesel
Frequency (Hz): 50
Voltage (V): 230 / 400
Engine:
Emissions Regulations: Stage 3A
Engine rpm (rpm): 1500
Speed governor: Electronic
Starting system: Electric
Engine capacity (cm³): 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): 17.5 at 75% of the load
Running time (h): 13 at 75% of the load
Acoustic power: 94 dB(A)
Acoustic pressure: 69 dB(A) at 7 m
Length (mm): 2630
Width (mm): 1130
Height (mm): 1750
Dry weight (Kg): 1670
Silenced: Yes
Super silenced: Yes
Product type: Generator
ATS Switch device : Optional
Voltage regulator: AVR
Engine manufacturer: FPT Iveco