



## MOSA GE 335 FSX IVECO FPT C10 TE1D

Reference: CH8K8056

### MOSA GE335 FSX 264 KW

MOSA GE335 FSX three-phase 264 KW generator set with Iveco diesel engine. The MOSA GE335 FSX generator set is equipped with electric start. The alternator of the MOSA GE335 FSX generator set is synchronous, three-phase, 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, with a weight of 3500 kg in addition to the practical pierceable base. The MOSA GE335 FSX generator set with 580-liter fuel tank has a fuel consumption of 52.2 liters/hour at 75% load for an autonomy of more than 12 hours.

### Technical specifications:

Three-phase Stand-by (LTP) output: 330 kVA (264 kW) / 400 V / 476.3 A

Three-phase PRP output: 300 kVA (240 kW) / 400 V / 433 A

Three-phase COP output: 250 kVA (200 kW) / 400 V / 361.2 A

Frequency: 50 Hz

Cos φ: 0.8

#### ENGINE TECHNICAL DATA

Model: IVECO FPT C87 TE4

Cylinders / Displacement: 6/ 10300 cm<sup>3</sup> (10.3 lit.)

Bore / Stroke: 125 / 140 (mm)

Compression Ratio: 16.5 : 1

Net stand-by output: 290 kW (394 hp)

Net PRP output: 263 kW (358 hp)

Net COP output: 208 kW (283 hp)

BMEP (LTP - PRP effective average pressure): 2330 kPa - 2130 kPa

RPM controller: Electronic

110 % (Stand-by power): 209.6 g/kWh - 74.8 l/h

100 % PRP: 197.8 g/kWh - 64.3 l/h

75 % PRP: 209.5 g/kWh - 52.4 l/h

50 % PRP: 198.5 g/kWh - 32.1 l/h

Total capacity - engine only: 63 l - 15 l

Fan air flow: 390 m<sup>3</sup>/min.

Total oil capacity: 30 l

Sump oil capacity: 16.8 lit. (min) - 23.5 lit. (max)

Full load oil consumption: &lt; 0.12 lit./h

Max. exhaust gas flow rate: 23.38 kg/mim.

Max. exhaust gas temperature: 520 °C

Max. back pressure: 5 kPa (0.05 bar)  
Electrical system: 24 Vdc  
Starter motor power: 5.5 kW  
Battery charging alternator capacity: 90 A  
Cold start: - 10 °C  
With cold start device: - 25 °C  
Air filter: Dry  
Combustion air flow: 18.16 m<sup>3</sup>/min

#### TECHNICAL DATA ALTERNATOR

Continuous power: 300 kVA  
Stand-by power: 330 kVA  
Three-phase voltage: 380-415 Vac  
Frequency: 50 Hz  
Cos  $\phi$ : 0.8  
A.V.R. model.: Digital MEC-20  
Voltage regulation accuracy:  $\pm 0.5$  %  
Sustained short-circuit current: 3 In  
Transient Cdt (100% of load): < 20 %  
Response time: < 0.3 sec  
Yield at 100% load: 93.1 % (400V - Cos  $\phi$  0.8)  
Isolation: Class H  
Connection - Terminals: Star - No. 12  
Electromagnetic Compatibility: EN55011  
Harmonic Distortion - THD: < 2 %  
Telephone Interference - THF: < 2 %  
Direct Synchronous - X<sub>d</sub>: 360 %  
Direct Transitory - X'<sub>d</sub>: 32 %  
Direct Subtransitory - X''<sub>d</sub>: 15.5 %  
Synchronous in quad. - X<sub>q</sub>: 180 %  
Subtrans. in quadrature - X'<sub>q</sub>: 17.5 %  
Of reverse sequence - X<sub>2</sub>: 16.5 %  
Of zero sequence - X<sub>0</sub>: 4 %  
Transitory - T'<sub>d</sub>: 0.145 sec  
Subtransitory - T''<sub>d</sub>: 0.014 sec  
Unidirectional - T'<sub>do</sub>: 1.6 sec  
Unidirectional - T<sub>a</sub> / Armatures - T<sub>a</sub>: 0.018 sec  
Short-circuit ratio K<sub>cc</sub>: 0.33  
Protection class: IP 23  
Cooling air flow rate: 0.83 m<sup>3</sup>/sec.  
Coupling I Bearings: Direct SAE 1 -14 - No. 1

#### GENERAL SPECIFICATIONS

Tank capacity: 580 lt.  
Run time (75% of PRP): 11.5 h  
Measured acoustic power L<sub>WA</sub>: 97 dB(A) (72 dB(A) @ 7m)  
Guaranteed acoustic power L<sub>WA</sub>: 98 dB(A) (73 dB(A) @ 7m)  
Performance class: G3  
Length: 4100 mm  
Width: 1520 mm  
Height: 2150 mm  
Weight: 3890 Kg

MOSA GE335 FSX - Iveco diesel engine electric start - Three-phase alternator - Three-phase power 300 kVA (240 kW)

#### Features:

- Electronic voltage regulation AVR
- Version also available with STAGE 3A engine
- Sealed basement able to contain any leakage of liquids present in the engine avoiding environmental pollution

- Oil extraction pump
- Fuel pre-filter with water decanter
- Large access doors to allow easy maintenance (replacement of air, oil, fuel filters)
- Two central lifting hooks
- Control panel with digital control unit in Automatic or Manual version
- Ready for a wide range of equipment
- Supersilenced
- Complies with EC directives for noise and safety

If you are looking for another product like the generator set MOSA GE335 FSX then you can see on our catalog other [terrestrial generators](#).

Images and technical data are not binding.

## Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	264
Continuous power three phase (KW)	240
Maximum power three phase (KVA)	330
Continuous power three phase (KVA)	300
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	400
Engine	IVECO FPT C87 TE4
Emissions Regulations	Stationary Use
Engine rpm (rpm)	1500
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	10300
Number cylinders	6
Cooling	Water
Inyección	Direct
Alternator	Sincrono trifase, autoeccitato, autoregolato, senza spazzole
Fuel tank capacity (L)	580
Consumption (L/h)	50.3 at 75% of the load
Running time (h)	11.5 at 75% of the load
Acoustic power	97 dB(A)
Acoustic pressure	72 dB(A) at 7 m
Length (mm)	4100
Width (mm)	1520
Height (mm)	2150

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Dry weight (Kg)	3890
Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	FPT Iveco

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