



Generator set MOSA GE 12000 HZDT

Reference: CD4R9001L2

MOSA GE 12000 HZDT 9,6 KW AVR Generating Set

MOSA GE 12000 HZDT is a single and three-phase 9,6 KW diesel-powered generator set, with Hatz engine, with AVR technology voltage regulator.

The MOSA GE 12000 HZDT generator set is perfect for both hobby and professional use, thanks to the reliable diesel-powered Hatz engine and all the high quality components it is composed of. The MOSA GE 12000 HZDT genset has an electric start and a Hatz 1D90 engine.

This MOSA GE 12000 HZDT genset is easy to transport and maneuver as it is compact and handy with convenient carrying handles.

Voltage Regulator AVR

The AVR technology voltage regulator of the MOSA GE 12000 HZDT generator set ensures a constant, clean and uninterrupted power supply. In this way, thanks to the AVR voltage regulator, you can connect to your MOSA GE 12000 HZDT genset your sensitive devices (PCs, smartphones, household appliances, etc.) safely and without burning them.

Technical data of the MOSA GE 12000 HZDT:

Three-phase Stand-by (LTP) output: 12 kVA (9.6 kW) / 400 V / 17.3 A

Three-phase PRP output: 11 kVA (8.8 kW) / 400 V / 15.8 A

Single-phase PRP output: 6 kVA/kW / 230 V / 26 A

Frequency: 50 Hz

Cos ϕ : 0.8

MOTOR TECHNICAL DATA

Model: HATZ - 1D90

Net stand-by output: 11.2 kWm (15.2 hp)

Net PRP output: 10.2 kWm (13.9 hp)

Cylinders / Displacement: 1 / 722 cm³ (0.722 lt.)

Bore / Stroke: 104 / 85 (mm)

Compression ratio: 10.5 : 1

RPM control: Mechanical

110 % (Stand-by power): 3.6 lt./h

100 % PRP: 3.3 lt./h

75 % PRP: 2.5 lt. /h

50 % PRP: 1.6 lt./h

Cooling system: Air

Fan air flow: 10.6 m³/min

Sump oil capacity: 1.9 lt.

Full load oil consumption: < 0.028 kg. /h

Electrical system: 12 Vdc
 Starter motor power: 2 kW
 Battery charge alternating capacity: 16 A
 With cold start device: - 10°C
 Combustion air flow: 1.08 m³/min.

TECHNICAL DATA ALTERNATOR

Continuous power: 11.5 kVA
 Standby power: 12.5 kVA
 Single-phase voltage: 380-415 Vac
 Frequency: 50 Hz
 Cos ϕ : 0.8
 Voltage regulation accuracy: $\pm 1\%$
 Sustained short circuit current: $< 3 I_n$
 Transient Cdt (100% load): $< 15\%$
 Efficiency at 100% load: 83.5 % (400V - Cos ϕ 0.8)
 Isolation: Class H
 Connection - Terminals: Star (with N) - No. 6
 Harmonic distortion - THD: $< 4\%$
 Direct synchronous - X_d: 239 %
 Direct transistor - X'_d: 19 %
 Direct subtransistor - X''_d: 4.6 %
 Quad synchronous. - X_q: 130 %
 Transitory - T'_d: 46 ms
 Subtransitory - T''_d: 6 ms
 Unloaded - T'_{do}: 580 ms
 Kcc short-circuit ratio: 0.72
 Protection Class: IP 23
 Cooling Air Flow: 0.082 m³/sec
 Coupling - Bearings: Direct J609b - N°1
 A.V.R. Model: HVR 10

GENERAL SPECIFICATIONS

Tank capacity: 18 lt
 Run time (75% PRP): 7.2 h
 Starting battery: 12 Vdc -37Ah / 330A CCA(EN)
 Measured acoustic power L_{WA}: 105 dB(A) (80 dB(A) @ 7m)
 Performance class: G2
 Length: 1005 mm
 Width: 610 mm
 Height: 715 mm
 Weight: 220 Kg

If you are looking for another product like the MOSA GE 12000 HZDT then you can see on our catalog other [ground generators](#).

Images and technical data are not binding.

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Technical Sheet

Phase	Single phase / Three phase
Continuous power single phase (KW)	4.8
Continuous power single phase (KVA)	6
Maximum power three phase (KW)	9.6

Continuous power three phase (KW)	8.8
Maximum power three phase (KVA)	12
Continuous power three phase (KVA)	11
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1 x 400V 32A 3P+N+T CEE - 2 x 230V 16A 2P+T Schuko
Engine	Hatz 1D90
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical
Starting system	Elettrico
Engine capacity (cm ³)	722
Number cylinders	1
Oil capacity (L)	1.9
Cooling	Air
Inyección	Direct
Alternator	Synchronous self-excited, self-regulated
Fuel tank capacity (L)	18
Consumption (L/h)	2.5
Running time (h)	15
Acoustic power	105 dB(A)
Acoustic pressure	80 dB(A) at 7 m
Length (mm)	1005
Width (mm)	
Height (mm)	715
Dry weight (Kg)	220
Silenced	No
Super silenced	No
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Hatz