



## MOSA GE 12054 HZDT

Reference: CD5R90D3L

### MOSA GE 12054 HZDT 9,6 KW AVR generating set

MOSA GE 12054 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 12054 HZDT generator set is perfect for both hobby and professional use, thanks to the reliable Hatz diesel-powered engine and all the **good quality components** of which it is composed. The generator set MOSA GE 12054 HZDT has an electric start and is equipped with engine stop for low oil pressure and high temperature.

This generator set MOSA GE 12054 HZDT is easy to transport and maneuver because it is compact and handy with comfortable handles for transport.

The generator set MOSA GE 12054 HZDT delivers a stable and precise three-phase power of 9.6 KW suitable to power sophisticated electronic equipment that is sensitive to voltage and frequency variations.

So you can easily and quietly enjoy all the little conveniences of home wherever you are: lights, fans, a coffee machine, laptops, radios or TVs.

#### Voltage regulator AVR

The AVR technology voltage regulator of the MOSA GE 12054 HZDT generator set ensures a constant, clean and uninterrupted power supply. In this way, thanks to the AVR voltage regulator, you can connect your sensitive devices (PCs, smartphones, appliances, etc.) to your MOSA GE 12054 HZDT genset safely and without burning them.

#### Why buy the MOSA GE 12054 HZDT?

First of all, the MOSA GE 12054 HZDT genset solves power failure problems during blackouts in various environments, from homes to businesses. The MOSA GE 12054 HZDT generator set is also used to provide electricity at construction sites and for hobbyist use. Professional generators are lightweight, easy to transport, compact and robust machines, simple to use and with low running costs.

### Technical data of MOSA GE 12054 HZDT:

Three-phase Stand-by Output (LTP): 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  $\phi$ : 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 cm<sup>3</sup>

Bore / Stroke: 104 / 85 (mm)  
Compression ratio: 10.5 : 1  
RPM controller: Mechanical  
110 % (Standby 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  
Sump oil capacity: 1.9 lt  
Full load oil consumption < 0.028 kg./h  
Maximum back pressure: 4.3 kPa (0.043 bar 440 mmH<sup>2</sup>O)  
Electrical system: 12 Vdc  
Starter motor power: 2 kW  
Battery charge alternating capacity: 16 A  
Cold start: - 10°C  
Combustion air flow: 1.08 m<sup>3</sup>/min

#### TECHNICAL DATA ALTERNATOR

Continuous power: 13 kVA  
Standby power: 14.5 kVA  
Single-phase voltage: 400-415 Vac  
Frequency: 50 Hz  
Cos φ: 0.8  
Voltage regulation accuracy: ± 1 %  
Sustained short circuit current: 3 In  
Transient Cdt (100% load): < 25 %  
Response time < 0.5 sec.  
Isolation: Class F/H  
Connection - Terminals: Series - N°4  
Electromagnetic Compatibility: EN 61000-6-2, EN 61000-6-3  
Harmonic Distortion - THD: < 5 %  
Protection Class: IP 54  
Coupling - Bearings: Direct - N°1  
Voltage Regulator: AVR  
A.V.R. Analogic Model

#### GENERAL SPECIFICATIONS

Tank capacity: 10 lt.  
Autonomy (75% of PRP): 4 h  
Starting battery: 12 Vdc -37Ah  
Measured acoustic power LwA: 105 dB(A) (80 dB(A) @ 7m)  
Performance class: G2  
Length: 1005 mm  
Width: 610 mm  
Height: 715 mm  
Weight: 226 Kg

If you are looking for another product such as MOSA GE 12054 HZDT generator set then you can browse our catalog for more [land based generator sets](#).

Images and technical data are not binding.

## 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 16A 3P+N+T CEE IP67 - 2 x 230V 16A 2P+T Schuko
Engine	Hatz 1D90
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	722
Number cylinders	1
Oil capacity (L)	1.9
Cooling	Air
Inyección	Direct
Alternator	Synchronous self-excited, self-regulated, brushless
Fuel tank capacity (L)	10
Consumption (L/h)	2.5
Running time (h)	4
Acoustic power	105 dB(A)
Acoustic pressure	80 dB(A) at 7 m
Length (mm)	1005
Width (mm)	610
Height (mm)	715
Dry weight (Kg)	226
Silenced	No
Super silenced	No
Product type	Generator
ATS Switch device	No ATS
Voltage regulator	AVR
Engine manufacturer	Hatz