



## Generator set Silenced Automatic Panel 49.5kVA AVR EU Stage Zero

Reference: GE45S50

### Generator set Silenced Automatic Panel 49.5kVA AVR EU Stage Zero

**Silenced Generator Set 49.5 kVA Avr EU Stage Zero** is a robust and reliable solution for your energy needs, both continuous and emergency. Designed to operate in **three-phase** configuration, it offers a **maximum three-phase power of 49.5 kVA (39.6 kW)** and a **continuous three-phase power of 45 kVA (36 kW)**, ensuring high and consistent performance.

At the heart of this generator beats a **PERKINS 1103A-33TG1 Diesel** engine with 3 cylinders and 3300 cm<sup>3</sup> of displacement, water-cooled and with mechanical speed governor, which operates at 1500 rpm to optimize efficiency and durability. The starter is electric, for quick and effortless starting.

The self-excited, brushless alternator is 4-pole and integrates an **AVR (Automatic Voltage Regulator)**, ensuring a stable voltage of 400 V and a frequency of 50 Hz, essential for the protection of your equipment.

Designed for practicality and comfort, this **49.5 kVA AVR EU Stage Zero Silenced Generator Set** is designed to be super quiet, with a sound pressure level of just **69 dB(A) at 7 meters**, making it ideal for contexts where noise reduction is crucial. With a 100-liter fuel tank and a consumption of 5.6 L/h at 75% load, it offers a remarkable autonomy of approximately 17.8 hours.

With compact dimensions (2000 mm long, 850 mm wide, 1335 mm high) and a dry weight of 930 kg, it is easy to position. The IP44 protection rating guarantees resistance to external agents. It also complies with the **EU Stage Zero emissions regulation**, for a limited environmental impact. To complete the offer, an ATS (Automatic Transfer Switch) switch panel is available as an option for automatic start-up in the event of a power failure.

Technical features:

Phase type: Single-phase / Three-phase

Maximum three-phase power (KW): 39.6

Continuous three-phase power (KW): 36

Maximum three-phase power (KVA): 49.5

Continuous three-phase power (KVA): 45

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 400

Socket configuration: Terminal block

Engine: PERKINS 1103A-33TG1

Engine speed (rpm): 1500

Speed governor: Mechanical

Starter: Electric

Displacement (cm<sup>3</sup>): 3300

Number of cylinders: 3

Cooling: Water

Alternator: Self-excited, brushless

Number of poles: 4

Fuel tank capacity (L): 100

Consumption (L/h): 5.6 at 75% load

Autonomy (h): 17.8 at 75% load

Sound pressure: 69 dB(A) at 7 m

Length (mm): 2000

Width (mm): 850

Height (mm): 1335

Dry weight (Kg): 930

AVR: Yes

Silenced: Yes

Super silenced: Yes

Bore x stroke (mm): 105 x 127

Protection rating: IP44

Product type: Generator set

ATS switch panel: Optional

Voltage regulator: AVR

Engine Brand: Perkins

Emissions Regulation: STAGE ZERO

Automatic panel with AMF8

Alternator: LEROY SOMER

If you are looking for a product with similar characteristics then you can consult the entire range of [generator](#) in our catalog to

find the one that best suits your needs.

Images and technical data are not binding. Please always consult the manufacturer's technical data sheet. Manel Service assumes no responsibility for any modifications made by the manufacturer.

## Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	39.6
Continuous power three phase (KW)	36
Maximum power three phase (KVA)	
Continuous power three phase (KVA)	45
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	400
Sockets configuration	Morsettiera
Engine	KOHLER KDW702
Emissions Regulations	Stage Zero
Engine rpm (rpm)	1500
Speed governor	Mechanical
Starting system	Elettrico
Engine capacity (cm <sup>3</sup> )	3300
Number cylinders	3
Cooling	Water
Alternator	Self-excited, brushless
Poles	4
Protection degree	IP44
Bore x stroke (mm)	105 x 127
Fuel tank capacity (L)	100
Consumption (L/h)	5.6 al 75% del carico
Running time (h)	17.8 al 75% del carico
Acoustic pressure	69 dB(A) at 7 m
Length (mm)	2000
Width (mm)	850
Height (mm)	1335
Dry weight (Kg)	930
AVR	Yes

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Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Perkins

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