



## GENSET MG 5000 I-D/AE-Y GENERATOR 4,3KVA SINGLE PHASE STAGEV

Reference:

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The GENSET MG 5000 I-D/AE-Y is a single-phase generator equipped with Yanmar L70V Diesel STAGEV engine, is capable of delivering a maximum power of 4.3KVA, complete with capacitor regulator (AVR optional).

The GENSET MG 5000 I-D/AE-Y also has low fuel consumption: only 1 Lt/h at 75% load. The generator set, thanks to the high quality and efficiency of its components, is ideal for various types of work: from small hobby work to large construction sites.

The generator is easy to install and operate, as simple are startup and shutdown thanks to the clear and intuitive controls. GENSET MG 5000 I-D/AE-Y mounts a Yanmar L70N StageV diesel engine. GENSET MG 5000 I-D/AE-Y are equipped with a 3.5-liter fuel tank with a large cap that is convenient to unscrew even with work gloves

GENSET MG 5000 I-D/AE-Y has an all-steel construction and a large metal tank. The generator provides efficient and quiet operation thanks to the Yanmar L70N, which enables it to deliver a maximum power output of 4.3 KVA.

### AVR VOLTAGE REGULATOR (Optional)

The operation of the AVR is very simple when resistive loads are supplied; more complex is the issue in the case of predominantly inductive loads: the delayed phase-shifted current counteracts the inductor magnetic field, causing a voltage drop at the alternator output terminals; to compensate for this phenomenon, the AVR automatically intervenes by increasing the excitation current until the output returns to its nominal value. On the other hand, if the load is capacitive, the current magnetizes the inductor, causing the output to increase, and the AVR intervenes by reducing the excitation current.

### EMISSION REGULATIONS STAGEV

The generator is equipped with STAGEV "mobile" motorization, as required by European Regulation 2016/1628. These new motorizations make it possible to exponentially reduce the emissions of particulate matter and nitrogen oxides delivered by the generator to the environment, and ensure a 200% reduction in environmental impact compared to standard motorizations.

### ATS AUTOMATIC SWITCHBOARD ARRANGEMENT

The genset is prepared for the use of ATS automatic start-up panel. Thanks to which you will no longer have to worry about blackouts because if the power grid goes out, this panel can automatically start the generator and allow you to continue your activity without losing your work data.

The generator set comes with:

- 2 single-phase CEE 16 A - 230 V socket.
- Battery

- Hour meter
- Voltmeter
- Low oil pressure and battery failure warning lights
- Power output protections
- Lifesaving differential circuit breaker
- Provision for operation in AMF-ATS or remote control

TECHNICAL CHARACTERISTICS GENSET MG 5000 I-D/AE-Y

Phase Type : Single Phase  
 Maximum Power : 4.3 KVA / 3.44 KW  
 Voltage VAC: 230 v  
 Frequency (Hz): 50  
 Starting panel: Electric  
 Motor: Yanmar L70V  
 Emission standard: StageV  
 RPM: 3000  
 Power supply: Diesel  
 Voltage regulator: Condenser (AVR Optional)  
 Tank capacity: 3.5 l  
 Consumption @ 75 %: 1 l/h  
 Autonomy @ 75 %: 3.5 h  
 Acoustic pressure: 99 dB(A)  
 Length: 725 mm  
 Width: 515 mm  
 Height: 585 mm  
 Net weight: 87 kg

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The images and technical data are not binding and may be subject to revisions by the supplier.

**Technical Sheet**

Phase	Single phase
Maximum power single phase (KW)	3.4
Maximum power single phase (KVA)	4.3
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230
Sockets configuration	2 x 230V 16A 2P+T CEE
Engine	Yanmar L70
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Starting system	Elettrico
Engine capacity (cm <sup>3</sup> )	320
Number cylinders	1
Cooling	Air

Alternator	Sincrono
Protection degree	IP23
Motor insulation class	H
Fuel tank capacity (L)	3.5
Consumption (L/h)	1 at 75% of the load
Running time (h)	
Length (mm)	725
Width (mm)	515
Height (mm)	585
Dry weight (Kg)	87
Silenced	No
Super silenced	No
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	Capacitor / AVR (optional)
Engine manufacturer	Yanmar