



GenSet MPM16/400SS-Y Super-Silent 16KVA Motorised Welding Machine

Reference: MPM16/400SSYN

GENSET MPM16/400SS-Y SUPER SILENCED WELDING GENERATOR 16KVA

The **GENSET MPM16/400SS-Y Super Silenced Welding Generator 16KVA** is a professional machine designed to deliver high performance in any operational context, thanks to its compact, robust structure and exceptional quietness. It is particularly suitable for those who require frequent mobility without compromising on power and reliability.

Equipped with a **Yanmar engine** running at 1500 rpm, this welding generator is ready for remote control operation. The **Total Control** system ensures precise electronic adjustment of the welding current, adapting to various applications such as Carbon Arc Gouging, TIG Lift Arc, and MIG (Metal Inert Gas), all included as standard.

The **GENSET MPM16/400SS-Y Super Silenced Welding Generator 16KVA** features an asynchronous alternator that guarantees superior welding current quality: clean waveform without distortion, ideal for professional jobs requiring maximum precision.

This welding generator combines three-phase power up to **16 KVA (12.8 KW)** and single-phase power up to **5.3 KVA (4.24 KW)**, allowing for simultaneous use of welding and power generation. Its 70-liter tank provides up to **20 hours of autonomy at 75% load**, with an average consumption of only **3.5 l/h**, making it highly efficient.

With a sound power level of **94 Lwa (69 dB at 7 meters)**, it is one of the quietest in its category, particularly suited for noise-sensitive environments. The compact dimensions (1645 x 755 x 1210 mm) and manageable weight (700 kg) make it easy to transport and integrate into construction sites or equipped vehicles.

Like all GenSet solutions, the **GENSET MPM16/400SS-Y Super Silenced Welding Generator 16KVA** is designed to last, with intelligent design, high-quality materials, and user-friendly operation.

Technical specifications GENSET MPM16/400SS-Y

Phase Type: Single-phase / Three-phase
Max Single-phase Power: 5.3 KVA / 4.24 KW
Max Three-phase Power: 16 KVA / 12.8 KW
Voltage: 230 / 400 V
Frequency: 50 Hz
Fuel: Diesel
Number of Cylinders: 4
Displacement: 2216 cm³

Cooling: Water
Starting System: Electric
Fuel Tank Capacity: 70 l
Fuel Consumption at 75% Load: 3.5 l/h
Autonomy at 75% Load: 20 h
DC Welding: Electronic current adjustment
Duty Cycle at 60%: 400 A - 36 V
Welding Current Range: 30 A - 400 A
Open Circuit Voltage: 70 V
Max Electrode Diameter: 8 mm
Sound Power Level: 94 (69 dB(A) at 7 m)
Length: 1645 mm
Depth: 755 mm
Height: 1210 mm
Net Weight: 700 Kg

Main features:

400A welding generator with electronic adjustment

Integrated single-phase and three-phase generator

Yanmar 4-cylinder water-cooled engine

Autonomy up to 20 hours

Remote control ready

DC welding with total control

Super silent: only 69 dB at 7 meters

Suitable for Carbon Arc Gouging, TIG Lift Arc, and MIG

Ideal for professional and continuous use

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Images and technical data are not binding. Please always consult the technical data sheet issued by the manufacturer. Manel Service accepts no liability for any changes made by the manufacturer.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	4.24
Maximum power single phase (KVA)	5.3
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1 x 32A 400V - 1 x 230V - Uscita 48 V

Engine	Yanmar 4TNV88
Emissions Regulations	Stage 5
Engine rpm (rpm)	1500
Starting system	Elettrico
Engine capacity (cm ³)	2190
Number cylinders	4
Cooling	Water
Alternator	Asincrono
Protection degree	IP23
Motor insulation class	H
Open circuit voltage (V)	70
Fuel tank capacity (L)	70
Consumption (L/h)	3.5 at 75% load
Running time (h)	20 at 75% of the load
Acoustic power	94 (69 db a 7 mt)
Length (mm)	1645
Width (mm)	755
Height (mm)	1210
Dry weight (Kg)	700
Silenced	Yes
Super silenced	Yes
Engine manufacturer	Yanmar
Intermittency at 60%	400 A - 36 V