



GENSET MPM 500P ENGINE DRIVEN WELDER 16KVA 500A SINGLE/THREE PHASE AVR Stage 0

Reference: MPM 500 P

GENSET MPM 500P ENGINE DRIVEN WELDER 16KVA 500A SINGLE/THREE PHASE AVR

GENSET MPM 500P is a professional engine driven welder with electronic adjustment of welding parameters and Carbon Arc Gouging socket as standard.

The GENSET MPM 500P engine driven welder is an excellent solution for those looking for a versatile and reliable welding and power generation device. Manufactured by GenSet, this powerful and robust device offers high-level performance to meet both professional and domestic needs.

GENSET MPM 500P is equipped with a high-efficiency Perkins 404A-22G motor and can produce a maximum power of 16KVA, in addition thanks to the Electronic Current Regulation, it ensures a constant flow of energy to power welding equipment. This makes it ideal for large welding jobs or in places where grid electricity is not available.

The GENSET MPM 500P power welder is designed for ease of use and versatility. Equipped with an intuitive control panel, it makes it easy to adjust welding parameters and monitor current flow. It also offers a wide range of welding current options, allowing it to adapt to different welding needs.

This diesel engine welder is also characterized by its robustness and durability. Built with high-quality materials, it can withstand harsh working conditions and last for a long time. It is also equipped with safety protections, such as automatic shutdown devices in case of overheating or overload, ensuring safe and secure work.

The GENSET MPM 500P also offers a large fuel tank capacity, allowing long welding sessions without the need for continuous refueling. This makes the device suitable for long-duration jobs or situations where access to fuel may be limited.

The selector switch on the product's instrument panel allows it to be used in either 50 Hz or 60 Hz generation mode. This feature allows the product to be adapted to different power supply requirements according to local regulations and standards. Thus, the user can easily adjust the power generation frequency according to the specific requirements of the application or geographical area where the product is used.

WARNING!

The GenSet MPM 500P motor welding machine CANNOT be used simultaneously for welding and power generation. The motor welding machine can be used as a generator set for power generation in both 50Hz and 60Hz, while welding can only be done in 60Hz.

WELDING CARBON ARC GOUGING

Carbon Arc Gouging welding, also known as carbon arc gouging, is a process of removing metal using an electric arc generated between a carbon electrode and the workpiece. This method is used to remove excess metal, rust, paint or other unwanted

substances from the work surface.

Carbon Arc Gouging welding offers several advantages. It allows rapid removal of excess metal without damaging the underlying surface. It is particularly effective in removing hard materials such as stainless steel, cast iron or aluminum. In addition, the intensity of the arc can be adjusted to suit different metal removal needs.

TECHNICAL FEATURES GENSET MPM 500P

Phase Type: Single Phase / Three Phase
Maximum single-phase 50Hz power: 5.5 KVA / 4.4 KW
Continuous Power Single-phase 50HZ: 2.7 KVA / 2.1 KW
Maximum single-phase 60Hz power: 6 KVA / 4.8 KW
Continuous power Single-phase 60HZ: 3 KVA / 2.4 KW
Maximum three-phase 50/60 Hz power: 16 KVA / 12.8 KW
Voltage: 115 / 230 / 240 / 400 V
Frequency: 50/60 Hz
Motor: Perkins 404A-22G
Motor RPM: 1500 / 1800 rpm
Power supply: Diesel
Emission standard: Stage Zero
Number of cylinders: 4
Displacement: 2216 cm³
Cooling: Water
Starter: Electric
Tank capacity: 70 l
Consumption at 1500 rpm: 4 l/h at 75% load
Consumption at 1800 rpm: 4.8 l/h at 75% load
Autonomy at 1500 rpm: 17.5 h at 75% load
Autonomy at 1800 rpm: 14.5 h at 75% load
DC welding: Electronic regulation
Intermittency at 60%: 450 A - 32 V
Adjustment range: 30 A - 500 A
Trigger voltage: 70 V
Max. diameter. Electrode: 8 mm
Acoustic power: 67 dB(A) @ 7 m
Length: 1620 mm
Depth: 750 mm
Height: 1290 mm
Net Weight: 790 kg

Looking for a product with different technical characteristics? [HERE](#) you can find the area dedicated to GENSET or other specialized brands of engine driven welder.

Images and technical data are not binding and may be subject to revision by the manufacturer.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	4,4 (50hz) / 4,8 (60Hz)
Continuous power single phase (KW)	2,1 (50hz) / 2,4 (60Hz)
Maximum power single phase (KVA)	5,5 (50hz) / 6 (60Hz)
Continuous power single phase (KVA)	2,7 (50hz) / 3 (60Hz)
Maximum power three phase (KW)	12
Maximum power three phase (KVA)	

Fuel	Diesel
Frequency (Hz)	50 / 60
Voltage (V)	115 / 230 / 240 / 400 V
Sockets configuration	1 x 400V 32A 3P+N+T CEE - 1 x 230V 32A 2P+T CEE - 1 x 230V SCHUKO
Engine	
Emissions Regulations	
Engine rpm (rpm)	1500 / 1800
Starting system	Elettrico
Engine capacity (cm ³)	2216
Number cylinders	4
Cooling	Water
Alternator	Asincrono
Welding current (A)	400 A al 100% - 500 A al 60%
Open circuit voltage (V)	70
Fuel tank capacity (L)	70
Consumption (L/h)	4 al 75% del carico
Running time (h)	17.5 al 75% del carico
Acoustic power	92 dB(A)
Acoustic pressure	67 dB(A) at 7 m
Length (mm)	
Width (mm)	750
Height (mm)	
Dry weight (Kg)	790
Silenced	Yes
Super silenced	Yes
Voltage regulator	AVR
Engine manufacturer	Perkins