



GENSET MPM 500 Y 50/60 Hz - ENGINE DRIVEN WELDER 10 KVA

Reference: MPM 500 Y

MOTORWELDING MACHINE WITH ELECTRODE DC GENSET MPM 500 Y 50/60 Hz SINGLEPHASE 10 KVA

The motorwelder GENSET MPM 500 Y 50/60 Hz with 10 KVA singlephase diesel engine and electric start, suitable for electrode welding and gouging.

The GENSET MPM 500 Y motorwelder also has a low fuel consumption: only 3.5 Lt/h at 75% of the load.

The GENSET MPM 500 Y motorwelder, thanks to the high quality and efficiency of its components, is suitable for DC electrodes with a maximum diameter of 8 mm.

Main advantages of the GENSET MPM 500 Y 50/60 Hz motorwelding

CONTINUOUS CURRENT MOTORWELDING OF 500A WITH SINGLE-PHASE ALTERNATED CURRENT GENERATOR DESEL ENGINE
1500/1800 RPM
70 L TANK

Technical characteristics of the GENSET MPM 500 Y 50/60 Hz motorwelding

Welding method: Electrode/Gouging

Automatic engine stop device with warning lights for:

- battery charge failure
- low fuel level
- low oil pressure
- high water temperature

1 CEE 32 A socket, 230V

1 CEE 32 A socket, 110V

1 CEE 16 A socket, 110V

Protection for power outlets

Battery 12V

Fuel level indicator

Single-phase voltmeter

Counter

50/60 Hz switch

Emergency stop button

Remote control socket

Forced Arc Adjustment potentiometer

Arc Gouging socket

Central lifting hook

Fork pass

Lwa noise level 95 (70 dB at 7 mt)

Dc welding 60 Hz

Intermittance at 60%: 450A - 38V

Intermittance at 100%: 400A - 36V

Electronic regulation (DC mode): 30A - 500A

Trigger voltage: 70V

Maximum electrode diameter: 8 mm

Ac generator 60 Hz

Type: asynchronous, self-excited and self-protected

Single-phase power (maximum): 10kVA - 240V / 5 kVA - 120 V

Power factor: cos ϕ 0.8

Ac generator 50 Hz

Type: asynchronous, self-excited and self-protected

Single-phase power (maximum): 10kVA - 230V / 5 kVA - 115 V

Power factor: cos ϕ 0.8Diesel engine at 1500 or 1800 rpm Yanmar 4TNV88 - 4 cyl. - 2190 cm³

Maximum power: 24.1 HP (18 kWm) 1500 rpm - 29.4 HP (21.6 kWm) 1800 rpm

Boosting: electric (12Vdc)

Cooling system: water

Fuel consumption at 75% load: 3.5lt/h 1500 rpm - 4.7lt/h 1800 rpm

Isolation class: H

Ambient temperature: 40 °C (*)

Reference altitude: 1000 m (*)

Protection class: IP 23

Fuel tank capacity: 70 lt

Dimensions (L x W x H): 1855 x 737 x 1119 mm

Dry weight: 895 kg

Options to specify when ordering

On-board polarity inverter

Spark arrester muffler

Differential switch (ELCB) for single-phase 240/230 V output

Differential switch (ELCB) for single-phase 120/115 V output

MIG welding

TIG welding

Automatic stop for low coolant level

GRT2W: trolley with 2 pneumatic wheels and drawbar for slow towing

GRT4W: trolley with 4 pneumatic wheels and drawbar for slow towing

Remote control unit 20 mt cable

Welding cables \varnothing 50 mm² (20+15 mt) with accessories

Polarity reverser module

Discover our wide range of motorwelding [click here!](#)

Images and technical data not binding.

Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	8
Maximum power single phase (KVA)	10
Fuel	Diesel
Frequency (Hz)	50 / 60

Voltage (V)	115 / 230
Sockets configuration	1 x 230V 32A CEE - 1 x 110V 32A CEE - 1 x 110V 16A CEE
Engine	Yanmar 4TNV88, 4 stroke
Engine rpm (rpm)	1500 / 1800
Starting system	Elettrico
Engine capacity (cm ³)	2190
Number cylinders	4
Cooling	Water
Alternator	Asincrono
Protection degree	IP23
Motor insulation class	H
Regulation current (A)	30 - 500
Open circuit voltage (V)	70
Maximum diameter electrodes (mm)	8
Intermittence	450 A al 60% / 400 A al 100%
Fuel tank capacity (L)	70
Consumption (L/h)	3.5
Running time (h)	20
Acoustic power	95 dB(A)
Acoustic pressure	70 dB(A) at 7 m
Length (mm)	1855
Width (mm)	737
Height (mm)	1119
Dry weight (Kg)	895
Silenced	Yes
Super silenced	Yes
Product type	Engine driven welder
Voltage regulator	No
Engine manufacturer	Yanmar