



## MOSA NEW MAGIC WELD Arc welding machine MMA 2.4 kVA

Reference:

### MOSA NEW MAGIC WELD MOTORWELDER ARC MMA 2.4 KVA

MOSA New Magic Weld is a motorwelder with gasoline engine for **arc welding** compact: the weight of the entire machine is only 34 kg. Powered by a Honda gasoline engine, it uses an innovative **permanent magnet alternator** to provide a welding current of up to 150 A DC.

The presence of an economizer realizes the concept of "power on demand", allowing the new Mosa to both save fuel and reduce engine wear.

The New Mosa motorwelder can weld any type of electrode (basic, rutile, cellulosic) up to 3.25 mm and takes full advantage of engine performance thanks to a technique called "Power Optimizer".

It is also possible to use the motorwelder Mosa as an auxiliary power generator up to 2 KW CC for the power supply of small tools or lamps.

The Mosa New Magic Weld is indispensable as a portable tool for the repair, it is compact and professional, easy to carry.

#### Technical Specifications motorwelder MOSA

Welding current: 30 ÷ 150 A

Service: 150 A - 60%

Triggering voltage (open circuit voltage): 67V

#### NOMINAL OUTPUT

Single-phase Output: 2 kW / 230 V dc / 8.7 A

Single-phase Output: 1.5 kW / 110 V / 13.6 A

#### GENERAL SPECIFICATIONS

Fuel: Gasoline  
Phase type: Single phase  
Voltage: 230 V  
Maximum single-phase power 230 V (kVA): 2.4  
Weldingcurrent (A): 150 A at 60%.  
WeldingCurrent Type: DC  
Weldingtype: MMA STICK  
Tank capacity: 3.1 l  
Autonomy (60% soldering): 3 h  
Acoustic power LwA (pressure LpA): 99 dB(A) (74 dB(A) @ 7 m)  
Supported electrodes: all maximum diameter 3.25 mm  
Silenced: NO  
LENGTH (mm): 435  
WIDTH (mm): 375  
HEIGHT (mm): 490  
Dry weight (Kg): 34

Some welding machines incorporate the "Power Optimizer" function, designed and patented by new MOSA.

This is a specific control technique designed to avoid overloading the motor when it is operating at close to maximum power.

You can view all Mosa motorwelding machines in the [dedicated section](#).

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	2
Continuous power single phase (KW)	1.6
Maximum power single phase (KVA)	2.5
Continuous power single phase (KVA)	2
Fuel	Gasoline
Frequency (Hz)	50
Voltage (V)	230
Engine	Honda GX200, 4 stroke, OHV
Engine rpm (rpm)	4000

Starting system	Manuale
Engine capacity (cm <sup>3</sup> )	196
Number cylinders	1
Cooling	Air
Alternator	Permanent magnets, self-excited, brushless
Regulation current (A)	30 - 150
Welding current (A)	150 at 60%
Open circuit voltage (V)	67
Maximum diameter electrodes (mm)	3.25
Type of welding current	DC
Type of welding	MMA
Fuel tank capacity (L)	3.1
Consumption (L/h)	1.1
Running time (h)	3
Acoustic power	99 dB(A)
Acoustic pressure	74 dB(A) at 7 m
Length (mm)	435
Width (mm)	375
Height (mm)	490
Dry weight (Kg)	34
Silenced	No
Super silenced	No
Engine manufacturer	Honda