



## MOSA MAGIC WELD250 Motor Welding Machine Stage5 50hz - 60Hz

Reference:

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The MOSA MAGIC WELD250 Stage5 motor welder stands out as an excellent choice for welders looking for a reliable, versatile and powerful machine. Powered by petrol, this single-phase motor welder offers the flexibility to be used in different conditions, even without mains power.

#### AVAILABLE VERSIONS MAGIC WELD 250 - HONDA GX390 (3600 rpm)

C1VN7000 Socket- 230V 16A CEE - 50Hz  
C1VN7010 Socket- 230V 16A Schuko - 50Hz  
C1VN7030 Socket - 110V 16A CEE - 50Hz  
C1VN7070 Socket- 110V 15A USA - 60Hz

#### Robust performance:

Power: With a maximum output of 3.3 kVA (2.4 kW) and a welding current of 250 A at 25 V, the MAGIC WELD250 guarantees high performance to tackle a wide range of welding jobs.  
Duty cycle: The generous duty cycle of 220 A at 28.8 V at 35%, 200 A at 28 V at 60% and 175 A at 27 V at 100% ensures continuous and prolonged welding.  
Deep penetration: The high trigger voltage of 70 VDC (peak VDC) guarantees deep arc penetration, ideal for robust and strong welds.

#### Versatility and ease of use:

Welding processes: The MAGIC WELD250 supports the arc welding process with SMAW (STICK) coated electrodes, one of the most popular and versatile methods.  
Continuous current regulation: Continuous current adjustment from 20 A at 20.8 V up to 250 A at 25 V offers precise control to suit different welding requirements.  
Portability: The compact design and light weight of 71 kg, combined with the sturdy carrying handle, make the MAGIC WELD250 easily transportable from place to place.

#### Additional features:

Fuel level indicator: Allows you to monitor fuel levels and plan refuelling efficiently.  
IP23 protection: Provides resistance to dust and water jets, allowing use in outdoor environments.  
Large fuel tank: The 6.1-litre tank offers a good working range.

#### Technical specifications MOSA MAGIC WELD250 Stage5 motor welding machine

Fuel: Petrol  
 Phase type: Single-phase  
 Voltage and frequency: (50Hz - 230V) - (60hz - 110V)  
 Power kVA (Power kW) Max 3.3 kVA (2.4 kW) 2.1 kVA  
 Welding current (A): 250 A @ 25V  
 Type of regulation continuous 20A @ 20.8V - 250A @ 25V  
 Service 220A @ 28.8V / 35% | 200A @ 28V / 60% | 175A @ 27V / 100%  
 Trigger voltage (open circuit voltage) 70 VDC (VDC peak)  
 Arc penetration No  
 Welding processes: SMAW coated electrode (STICK)  
 Acoustic power LwA (LpA pressure): 99 dB(A) (74 dB(A) @ 7 m)  
 LENGTH (mm): 630  
 WIDTH (mm): 490  
 HEIGHT (mm): 540  
 DRIFT WEIGHT (kg): 71  
 Degree of protection: IP 23  
 Tank capacity: 6.1l  
 Autonomy (welding 60%) 2.8 h  
 Engine model: HONDA GX 390 4-STROKE, OHV, NATURAL EXHAUST  
 Stand-by net power 8.7 kWm (11.8 hp)  
 Net power PRP 7 kWm (9.5 hp)  
 Welding current: 250A @ 25V  
 Service: 220A @ 28.8V / 35% | 200A @ 28V / 60% | 175A @ 27V / 100%  
 Trigger voltage (open circuit voltage): 70 VDC (VDC peak)

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Images and technical data are not binding.

## Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	2.4
Maximum power single phase (KVA)	3.3
Fuel	Gasoline
Frequency (Hz)	50 / 60
Voltage (V)	110 / 230
Engine	Honda GX390
Engine rpm (rpm)	3600
Starting system	Manuale
Engine capacity (cm <sup>3</sup> )	389
Number cylinders	1
Cooling	Air
Alternator	Permanent magnets, self-excited, brushless
Motor insulation class	H
Welding current (A)	250A @ 25V
Open circuit voltage (V)	70

Fuel tank capacity (L)	6.1
Consumption (L/h)	3.5 at 100% of the load
Running time (h)	2.8
Acoustic power	99 dB(A)
Acoustic pressure	74 dB(A) at 7 m
Length (mm)	630
Width (mm)	490
Height (mm)	540
Dry weight (Kg)	71
Engine manufacturer	Honda