



# MOSA MAGIC WELD 200 YDE MMA Arc 3.3 kVA Welder Stage 5 Engine

## Product description:

The engine-driven welder Magic Weld 200 YDE is a lightweight professional machine with electronic control of the welding current capable of delivering up to 200 A with a duty cycle of 60%.

Thanks to the **stage 5 engine**, this welder already complies with the pollution regulations in force for diesel engines since 2020.

The Magic Weld 200 YDE combines 3 qualities: compact and light weight (only 91 Kg); chopper system; an inverter capable of generating 3.3 kVA of auxiliary power. Equipped with a YANMAR L70N diesel engine and a permanent magnet alternator, it can function simultaneously as a welder and generator and also features electric start.

The presence of an auto idle economizer introduces the concept of "power on demand", allowing both fuel savings and reduced engine wear. The Magic Weld 200 YDE is able to weld any kind of electrode (rutile, basic, cellulose) up to 4 mm and takes full advantage of the engine's power output thanks to a technology developed by MOSA known as "Power Optimizer".

Its weight and performance make it a machine suitable for maintenance and mobile welding.

In according with CE regulation

## WELDING

Current range, continuous: 20 ÷ 200A

Duty cycle: 170 A - 60%

Open circuit voltage: 70V

Arc welding source in D.C. welding

Welds any type of electrode, including cellulosic

High frequency control of welding current and voltage

Single-Phase, 50Hz aux current, inverter generated



## GENERAL

Power optimiser (patent pending)  
Low oil pressure automatic engine shut down  
Auto Idle  
Single-Phase, 50Hz aux current, inverter generated  
Protective frame  
Dry weight: 91 kg  
Dimensions: 630x490x540 mm  
Acoustic power LwA (pressure LpA): 103 dB(A) (78 dB(A) @ 7 m)

## VERSIONS ON REQUEST

Auxiliary output 230V a.c.: 1x230V 16A 2P+T CEE  
Auxiliary output 230V a.c.: 1x230V 16A 2P+T schuko  
Auxiliary output 110V 50Hz  
Auxiliary output 110V 60Hz

Non-binding images and technical data.

## Product features:

Phase: Single phase  
Maximum power single phase (KW): 2.64  
Continuous power single phase (KW): 2.4  
Maximum power single phase (KVA): 3.3  
Continuous power single phase (KVA): 3  
Fuel: Diesel  
Frequency (Hz): 50  
Voltage (V): 230  
Engine: YAnmar L70V Stage 5  
Engine rpm (rpm): 3600  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 320  
Number cylinders: 1  
Cooling: Air  
Inyección : Direct  
Alternator: Permanent magnets, self-excited, brushless  
Regulation current (A): 20 - 200  
Welding current (A): 170 at 60%  
Open circuit voltage (V): 70  
Maximum diameter electrodes (mm): 4  
Type of welding current: DC  
Type of welding: MMA  
Fuel tank capacity (L): 3.3

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Consumption (L/h): 1  
Running time (h): 3.3  
Acoustic power: 103 dB(A)  
Acoustic pressure: 78 dB(A) at 7 m  
Length (mm): 630  
Width (mm): 490  
Height (mm): 540  
Dry weight (Kg): 91  
Silenced: No  
Super silenced: No  
Voltage regulator: Inverter  
Engine manufacturer: Yanmar  
Video: wcNiEL1FvMM