



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

Reference:

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 accordance 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.

## Technical Sheet

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	
Engine rpm (rpm)	3600
Starting system	Elettrico
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
Consumption (L/h)	1
Running time (h)	25
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