



# MOSA TS 500 PS BC MMA

## Arc Gouging Welder with Polarity Change

**Product price:**

**13.566,94 € tax excluded**

### Product description:

The engine-driven welder TS 500 PS BC 60Hz is a professional machine with electronic control of the welding current capable of delivering up to 500 A with a duty cycle of 60%.

Equipped with a Perkins water cooled diesel engine 400 series and an asynchronous alternator and thanks to the lower engine speed (1500 rpm) it is suitable for continuous operation in all conditions and can be used simultaneously as a welder and as a three-phase and single-phase electrical generator up to 20 kVA.

The TS 500 PS-BC 60Hz is designed to satisfy the requirements of professional welding with direct current and can weld any kind of electrode (rutile, basic, cellulose) up to 8 mm in diameter. The characteristic BC (base current) is particularly suitable for vertical down pipe welding.

It is a super-silenced engine-driven welder with compact canopy. It can function simultaneously as a welder and as a three-phase and single-phase electrical generator.

Suitable for a wide range of applications, including large metal fabrications oil pipelines and construction sites.

In accordance with CE regulation

### WELDING

Current range, continuous: 20 ÷ 500A

Duty cycle: 500A-35%; 450A-60%; 400A-100%

Open circuit voltage: 70 V

Arc welding source in D.C. welding

Electronic regulation of welding current

Welds any type of electrode, including cellulosic

Special BC (Base Current) circuit for vertical-down pipe welding

Double welding output (20A-200A / 20A-400A)





Arc Gouging dedicated socket  
A.C. generator, single-phase and three-phase  
Aux power also available while welding

#### GENERAL

Dry weight: 780 kg  
Dimensions: 1720x980x1110 mm  
Acoustic power LwA (pressure LpA) : 94 dB(A) (69 dB(A) @ 7m)

#### VERSIONS ON REQUEST

Auxiliary output 400Y - 230I - 48I : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x230V 16A 2P+T CEE  
Auxiliary output 400Y - 230I - 110I : 1x400V 32A 3P+N+T CEE - 1x230V 32A 2P+T CEE - 1x110V 32A 2P+T CEE - 1x110V 16A 2P+T CEE  
TS 500 PS-PL: Version with polarity change

Non-binding images and technical data.

#### Product features:

Phase: Single phase / Three phase  
Maximum power single phase (KW): 9.6  
Maximum power single phase (KVA): 12  
Maximum power three phase (KW): 12.8  
Maximum power three phase (KVA): 16  
Fuel: Diesel  
Frequency (Hz): 60  
Voltage (V): 230 / 400  
Engine: PERKINS 404D-22G, 4 stroke, naturally aspirated  
Engine rpm (rpm): 1800  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 2216  
Number cylinders: 4  
Cooling: Water  
Inyección : Indirect  
Alternator: Asynchronous three-phase, self-excited, self-regulated, brushless  
Regulation current (A): 20 - 500  
Welding current (A): 500 at 35% - 450 at 60% - 400 at 100%  
Open circuit voltage (V): 70  
Maximum diameter electrodes (mm): 8  
Type of welding current: DC  
Type of welding: MMA  
Fuel tank capacity (L): 60  
Consumption (L/h): 4.2  
Running time (h): 14.5



Acoustic power: 94 dB(A)  
Acoustic pressure: 69 dB(A) at 7 m  
Length (mm): 1720  
Width (mm): 980  
Height (mm): 1110  
Dry weight (Kg): 780  
Silenced: Yes  
Super silenced: Yes  
Engine manufacturer: Perkins