



## MOSA TS 500 PS BC MMA Arc Gouging Wlder with Polarity Change

Reference: C1BC1092BK

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 according 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.

## Technical Sheet

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