



## MOSA TS 500 PS-BC 60 Hz MMA TIG Welder

Reference: C1BC1099

### MOSA TS500 PS-BC MMA TIG MOTORWELDING

MOSA TS500 PS-BC is a single/threephase motorwelding equipped with a Yanmar 3 TNV 76 diesel engine capable of delivering a maximum power of 16KVA.

MOSA TS500 PS-BC is equipped with a Perkins 400 series diesel engine and an asynchronous alternator. Due to the motor rotation speed of 1800 rpm, it is suitable for continuous duty. The BC (base current) characteristic is particularly suitable for downward pipe welding.

MOSA TS500 PS-BC is designed to meet the needs of professional DC welding and is capable of welding any type of electrode (basic, rutile, cellulosic) up to 8 mm.

It is a super-silent motorwelding with a compact casing. It can operate simultaneously as a welder and as a threephase and singlephase generator set.

MOSA TS500 PS-BC lends itself to a wide range of applications, including the construction of metal structures, pipelines and construction site use.

The MOSA TS500 PS-BC motorwelding is equipped with a sturdy frame, which not only protects the machine from impact, but also reduces its noise emission making it super quiet, with a sound emission of 69 dB perceived at 7 m.

The small size and moderate weight of the threephase 16 KVA MOSA TS500 PS-BC motorwelder make it one of the most popular professional products in the MOSA line.

#### TECHNICAL FEATURES MOSA TS500 PS-BC

Fuel: Diesel

Phase type: Singlephase / Threephase

Voltage: 110 V / 230 V / 400 V

Maximum singlephase 110 V power (kVA): 6

Maximum singlephase 230 V power (kVA): 12

Maximum threephase 400 V power (kVA): 16

Welding current (A): 500 A at 35% - 450 A at 60% - 400 A at 100%

Welding current type: DC

Welding Type: MMA STICK

Electrodes Supported: all maximum 8 mm diameter

Silenced: Supersilenced 69 dB(A) @ 7m

LENGTH (mm): 1720

WIDTH (mm): 980

HEIGHT (mm): 1110

Dry weight (Kg): 780

Electric start

Socket for gouging

Are you looking for a motorwelding with different characteristics? [Here](#) you can find the full range of MOSA or other specialized brands

Images and specifications are not binding and may be subject to revision by the supplier.

## 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
Sockets configuration	1x400V 32A 3P+N+T CEE + 1x230V 32A 2P+T CEE + 1x110V 32A 2P+T CEE + 1x110V 16A 2P+T CEE
Engine	PERKINS 404D-22G, 4 stroke, naturally aspirated
Emissions Regulations	Stationary Use
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 / MIG
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