



## MOSA TS 200 BS/EL MOTORWELDER 6 KVA

Reference: C0FS9010

### MOSA TS 200 BS/EL MOTORWELDING 6 KVA

MOSA TS 200 BS/EL is a three-phase motorwelder equipped with a KOHLER CH440 engine with gasoline power supply, capable of delivering a power of 6KVA.

The MOSA TS 200 BS/EL is a motorwelding machine that performs the dual function of current source for arc welding and current generator for auxiliary generation.

The motorwelder MOSA TS 200 BS/EL is intended for industrial and professional use. Driven by an endothermic engine, it is composed of several parts such as: the engine, the alternator, the electrical and electronic controls, the body and a protective structure.

The assembly is carried out on a steel structure on which elastic supports are foreseen in order to absorb vibrations and eventually eliminate resonances that would produce noise.

MOSA TS 200 BS/EL motorwelder is equipped with an Isolation Monitor to prevent intentional connection of the PE (12) earth terminal to an earth system. Located on the front of the machine, the Isolation Monitor continuously monitors the ground insulation of active parts. If the insulation resistance drops below the set fault value, the Insulation Monitor will interrupt the power supply to the connected equipment.

#### TECHNICAL CHARACTERISTICS MOSA TS 200 BS/EL

Fuel: Gasoline  
Phase type: Single phase / Three phase  
Voltage: 230 V / 400 V  
Maximum power Single-phase 230 V (kVA): 4  
Maximum power three-phase 400 V (kVA): 6

#### ENGINE DATA

Model: KOHLER CH440  
Stand-by net output: 8.2 kWm (11.1 hp)  
PRP net output: 6.4 kWm (8.7 hp)  
Cylinders / Displacement: 1 / 389 cm<sup>3</sup> (0.39 lt)  
Bore/Stroke: 88/64 (mm)  
Compression Ratio: 8.2 : 1  
Speed Governor: Mechanical  
75% PRP: 2.4 l/h  
50% PRP: 1.6 l/h

#### DC WELDING DATA

Adjustment range: 20 ÷ 155 A  
 Current (A): 155 A at 60% - 120 A at 100%.  
 Type of current: DC  
 Trigger voltage (open-circuit voltage) 65 V  
 Arc penetration No  
 Welding type: MMA STICK  
 Supported electrodes: all maximum diameter 3.25 mm

#### GENERAL SPECIFICATIONS

Tank capacity 6.1 l  
 Fuel consumption (60% welding): 2 l/h  
 Autonomy (welding 60%): 3 h  
 Degree of protection: IP 23  
 Acoustic output LwA: 98 dB(A) (73 dB(A) @ 7 m)  
 Length (mm): 870  
 Width (mm): 525  
 Height (mm): 590  
 Dry weight (Kg): 106

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

Images and technical data not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	3.2
Maximum power single phase (KVA)	4
Maximum power three phase (KW)	4.8
Maximum power three phase (KVA)	6
Fuel	Gasoline
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1x400V 16A 3P+N+T CEE - 1x230V 16A 2P+T CEE
Engine	KOHLER CH440
Emissions Regulations	Stationary Use
Engine rpm (rpm)	3000
Starting system	Manual
Engine capacity (cm <sup>3</sup> )	389
Number cylinders	1
Cooling	Air
Alternator	Asynchronous three-phase, self-excited, self-regulated, brushless

Regulation current (A)	20 - 155
Welding current (A)	155 at 60% - 120 at 100%
Open circuit voltage (V)	65
Maximum diameter electrodes (mm)	3.25
Type of welding current	DC
Type of welding	MMA
Fuel tank capacity (L)	6.1
Consumption (L/h)	2
Running time (h)	3
Acoustic power	98 dB(A)
Acoustic pressure	73 dB(A) at 7 m
Length (mm)	870
Width (mm)	525
Height (mm)	590
Dry weight (Kg)	106
Silenced	No
Super silenced	No
Engine manufacturer	Kohler