



# MOSA TS 600 EVO motorwelder 18 kVA

## Product description:

MOSA TS600 EVO MOTORWELDING MACHINE 18KVA

MOSA TS600 EVO MotorWelding Machine 18kVA Multiprocess is a professional machine with DSP (Digital Signal Processor) digital control of welding parameters and welding circuit in Chopper technology (high frequency 20 kHz).

MOSA TS600 EVO is equipped with a DEUTZ F4L2011 diesel engine and an asynchronous alternator, and can be used simultaneously as a motorwelding and as a three-phase and single-phase generator set. MOSA TS600 EVO is suitable for continuous duty due to its motor rotation speed of 1500 rpm.

MOSA TS600 EVO is designed to meet the needs of professional DC welding; a selector switch allows the user to choose from 5 different welding programs.

The front panel MOSA EVO CONTROL allows, through an analog control, to have the indispensable functions for the users:

Current adjustment

Arc-force adjustment

Half scale to increase the precision of current setting

This is a super-silenced motorwelder with a compact housing, suitable for a wide range of applications including the construction of metal structures, oil pipelines and use on construction sites.

Mosa TS600 EVO is equipped with a MOSA DSP control unit front panel and a circular military connector to which a Mosa remote control or a Mosa wire feeder can be connected for MIG MAG welding. When the external connector is inserted, the control is automatically switched to the knob on the remote unit. All machines in this series are equipped with a digital measuring instrument for reading the welding current and voltage.



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## TECHNICAL FEATURES MOSA TS600 EVO

Welding current: 20A ÷ 550A (50Hz)  
Service: 500A - 60% / 400A - 100% (50Hz)  
Trigger voltage: 72 VDC (77.5 VDC peak)  
Three-phase power: 18 kVA / 400 V / 26 A  
Single-phase power: 10 kVA / 230 V / 43.5 A  
Single-phase power: 5 kVA / 115 V / 43.5 A  
Motor Model: DEUTZ F4L2011  
Net Standby Output: 29 kW (39.4 hp)  
Cylinders / Displacement: 4/ 3100 cm<sup>3</sup>  
Bore / Stroke: 94 / 112 (mm)  
Compression Ratio: 17.5 : 1  
RPM Controller: Mechanical  
Consumption 75 % PRP: 5.4 lit./h

## GENERAL SPECIFICATIONS

Tank capacity: 60 l  
Autonomy (60% welding): 12.7 h  
Acoustic power measured Lwa: 95 dB(A) (70 dB(A) @ 7 m)  
Guaranteed acoustic power Lwa: 96 dB(A) (71 dB(A) @ 7 m)  
Width: 1600 mm  
Length: 790 mm  
Height: 1125 mm  
Dry weight: 850 Kg

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Images and technical data Mosa TS600 EVO not binding.

### Product features:

Phase: Single phase / Three phase  
Maximum power single phase (KVA): 10  
Maximum power three phase (KVA): 18  
Fuel: Diesel  
Frequency (Hz): 50 / 60  
Voltage (V): 230 / 400  
Engine: DEUTZ F4L2011  
Emissions Regulations: Stationary Use  
Engine rpm (rpm): 1500  
Starting system: Electric  
Engine capacity (cm<sup>3</sup>): 3100

Number cylinders: 4

Cooling: Water

Inyección : Indirect

Alternator: Asynchronous three-phase, self-excited, self-regulated, brushless

Welding current (A): 20A ÷ 550A

Open circuit voltage (V): 72

Maximum diameter electrodes (mm): 8

Type of welding current: CC / CV

Type of welding: SMAW (STIK -Elettrodo rivestito)GTAW (TIG con innesco a striscio

Fuel tank capacity (L): 60

Consumption (L/h): 5.4 at 75% of the load

Running time (h): 12.7

Acoustic power: 95 dB(A)

Acoustic pressure: 70 dB(A) at 7 m

Length (mm): 1600

Width (mm): 790

Height (mm): 1125

Dry weight (Kg): 850

Silenced: Yes

Super silenced: Yes

Engine manufacturer: Deutz