



# MOSA TS 600 EVO INSTRUMENT THREE- PHASE MOTORWELDER 18 kVA

## Product description:

MOSA TS 600 EVO INSTRUMENT THREE-PHASE MOTORWELDER 18 kVA

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 MOSA EVO INSTRUMENT front panel incorporates a digital control that adds functionality for the user, including:

- Continuous current control
- Continuous arc penetration control
- Connector for remote control. Automatic switching when the connector is inserted.
- Welding output sockets
- 2x Displays
- 4 digits
- Welding current setting
- Current and voltage measurement
- VRD ON/OFF switch
- Connector for connection to Box PL400

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.

#### 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