



MOSA TS 600 EVO INSTRUMENT THREE- PHASE MOTORWELDER 18 kVA

Product description:

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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 cm³
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 (cm³): 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