

MOSA TS 2x280 EVO motorwelder 15 kVA

Reference: C1PN1023



MOSA TS2x280 EVO 15KVA MOTORWELDING

MOSA TS2x280 EVO MotorWelding 15kVA Multiprocess is a professional machine with DSP (Digital Signal Processor) digital adjustment of welding parameters and welding circuit in Chopper technology (high frequency 20 kHz).

MOSA TS2x280 EVO is equipped with a KUBOTA V1505 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 TS2x280 EVO is suitable for continuous duty due to its motor rotation speed of 1500 rpm.

MOSA TS2x280 EVO is designed to meet the needs of professional DC welding; a selector switch allows the user to choose from 5 different welding programs.

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

The MOSA TS 2x280 EVO MULTI14 motorwelder that performs the dual function of current source for arc welding, current generator for auxiliary generation.

The motorwelder is intended for industrial and professional use. Driven by an endothermic engine, it is composed of different parts such as: the engine, the alternator, the electrical and electronic controls, the bodywork and a protective structure.

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

TECHNICAL FEATURES MOSA TS2x280 EVO

SMAW HEATING

Current: 20A ÷ 250A (DUAL)

Current: 40A ÷ 500A (SINGLE)

Service: 250A - 60% / 230A - 100% (DUAL)

Service: 480A - 60% / 440A - 100% (SINGLE)

Trigger voltage (open circuit voltage): 70 VDC (75 VDC peak)

GTAW WELDING

Current: 20A ÷ 250A (DUAL)

Current: 40A ÷ 500A (SINGLE)

Service: 250A - 60% / 230A - 100% (DUAL)

Service: 480A - 60% / 440A - 100% (SINGLE)

Trigger voltage (open-circuit voltage): 70 VDC (75 VDC peak)

NOMINAL OUTPUT POWER

Three-phase power: 15 kVA (15 kW) / 400 V / 21.6 A

Single-phase power: 7 kVA (7 kW) / 230 V / 30.4 A

Single-phase power: 5 kVA (5 kW) / 115 V / 43.5 A

ENGINE DATA

Model: KUBOTA V1505
 Net stand-by power: 25.5 kW (34.5 HP)
 Cylinders / Displacement: 4 / 1498 cm³ (1.5 l)
 Bore / Stroke: 77 / 78.4 (mm)
 Compression ratio: 24 : 1
 RPM controller: Mechanical
 110 % (Stand-by power): 7.6 l/h
 100 % PRP: 6.5 l/h
 75 % PRP: 4.7 l/h
 50 % PRP: 3.3 l/h
 Total capacity - engine only: 5.4 l
 Fan air flow: 90m³/min

GENERAL SPECIFICATIONS

Tank capacity: 60 l
 Autonomy (60% soldering): 13 h
 Acoustic power LwA (pressure LpA): 98 dB(A) (73 dB(A) @ 7 m)
 Length: 1600 mm
 Width: 790 mm
 Height: 1000 mm
 Dry weight: 700 Kg

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Images and technical data Mosa TS2x280 EVO not binding.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KVA)	7
Maximum power three phase (KVA)	15
Fuel	Diesel
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine	KUBOTA V1505
Emissions Regulations	Stationary Use
Engine rpm (rpm)	1500
Starting system	Electric
Engine capacity (cm ³)	1498
Number cylinders	4
Cooling	Water
Inyección	Indirect
Alternator	Asynchronous three-phase, self-excited, self-regulated, brushless
Welding current (A)	

Open circuit voltage (V)	70
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)	4.7 at 75% of the load
Running time (h)	13
Acoustic power	98 dB(A)
Acoustic pressure	73 dB(A) at 7 m
Length (mm)	1600
Width (mm)	790
Height (mm)	1000
Dry weight (Kg)	700
Silenced	Yes
Super silenced	Yes
Engine manufacturer	Kubota