



MOSA DSP 500 YS motorwelder 16 kVA

Reference: C1CQ3061

MOSA DSP500 YS MOTORWELDING 6KVA

MOSA DSP500 YS motorwelding 16kVA 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 DSP500 YS is equipped with a YANMAR 4TNV88 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 DSP500 YS Thanks to the motor rotation speed of 1500 rpm, it is suitable for continuous duty.

MOSA DSP500 YS is designed to meet the needs of professional DC welding, with a selector switch allowing the user to choose from 5 different welding programs.

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

Mosa DSP500 YS 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.

TECHNICAL FEATURES MOSA DSP500 YS

Welding current: 20A ÷ 500A
Type of regulation: Continuous on 2 scales: 20A ÷ 250A / 20A ÷ 500A
Service: 500A - 60% / 450A - 100%
Trigger voltage (no-load voltage): 62 VDC (65 VDC peak)
Three-phase power: 16 kVA / 400 V / 23.1 A
Single-phase power: 10 kVA / 230 V / 43.5
Motor model: YANMAR 4TNV88
Power supply: Diesel
Boosting: Electric
Tank capacity: 60 l
Run time (Welding 60%): 19 h
Measured acoustic power LwA: 94 dB(A) (69 dB(A) @ 7 m)
Guaranteed acoustic power LwA: 95 dB(A) (70 dB(A) @ 7 m)
Length: 1720 mm
Width: 850 mm
Height: 1128 mm
Dry weight: 720 Kg

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Images and technical data Mosa DSP500 YS not binding.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KVA)	10
Maximum power three phase (KVA)	16
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine	Yanmar 4TNV88, 4 stroke
Emissions Regulations	Stationary Use
Engine rpm (rpm)	1500
Starting system	Electric
Engine capacity (cm ³)	2216
Number cylinders	4
Cooling	Water
Inyección	Indirect
Alternator	Asynchronous three-phase, self-excited, self-regulated, brushless
Welding current (A)	500A - 60% / 450A - 100%
Open circuit voltage (V)	62
Maximum diameter electrodes (mm)	8
Type of welding current	CC / CV
Type of welding	Multiprocess
Fuel tank capacity (L)	60
Consumption (L/h)	3.4 at 75% of the load
Running time (h)	19
Acoustic power	94 dB(A)
Acoustic pressure	69 dB(A) at 7 m
Length (mm)	1720
Width (mm)	850
Height (mm)	1128
Dry weight (Kg)	720
Silenced	Yes
Super silenced	Yes

Engine manufacturer

Yanmar