



MOSA

TSEVO | TSEVO^{MULTI}4
THE WELDING EVOLUTION.

language





TSEVO | TSEVO^{MULTI}4

THE EVOLUTION OF THE SERIES



The new engine driven welder TS-EVO and TS EVO MULTI4 are the most advanced result of MOSA's innovation and research activity, as well as the evolution of the TS welder series, which contributed to the recognition of this brand across the world. These two innovative ranges of engine driven welders are characterised by the

use of the original MOSA three-phase asynchronous alternator and feature a new control system that guarantees superior quality welding current and performance. Designed for professional use even in the most demanding applications, they are extremely reliable and easy-to-use.

TS EVO: THE NEW STANDARD IN ON-SITE WELDING

Designed for professional use, the TS EVO range is available with power ranging from 300 to 600 Amperes, in 5 different models.

Powered by air or water-cooled diesel engines from leading international brands, they allow manual metal arc welding in Direct Current or scratch start DC TIG welding, ensuring high quality results.



WELDING MODE:

CC (CONSTANT CURRENT)

WELDING PROCESSES:

- MANUAL METAL ARC / STICK (SMAW)
- SCRATCH START DC TIG (GTAW)

■ 300 to 600 A models

■ KÖHLER/PERKINS/DEUTZ water or air-cooled diesel engines 3000 & 1500rpm



■ 10-pin connector for remote welding control

■ Optional: reverse polarity function inversion, digital voltmeter and welding ammeter





TS EVO MULTI4: MULTI-PROCESS, INFINITE ADVANTAGES

The engine driven welders of the TS EVO MULTI4 range are multi-process machines that allow you to choose the most suitable welding mode according to the specific requirement with the certainty of always achieving the highest quality results.

They are available in 5 different models with welding outputs ranging from 300 to 500 Amps. There is also a 2x280 Amp dual-operator model, a versatile model which allows operation of the machine for use with one or two welding operators.

All the machines in the TS EVO MULTI4 range are powered by water or air-cooled diesel engines from leading international brands.

WELDING MODE:

CC (CONSTANT CURRENT) / CV (CONSTANT VOLTAGE)

WELDING PROCESSES:

- MMA MANUAL METAL ARC / STICK (SMAW)
- MIG (GMAW)
- FLUX CORED (FCAW)
- TIG (GTAW)



- 300 to 500 A models and a 2x280 dual-operator
- KÖHLER/PERKINS/KUBOTA water or air-cooled diesel engines 3000 & 1500rpm
- 10-pin connector for remote control
- 14-pin connector for wire feeder



THE DIGITAL CONTROL PANEL

- 1 Digital welding Voltmeter and Ammeter
Four digit LED display with actual values of welding, compensated temperature and brightness
Indication of pre-settings
- 2 VRD function - LED
- 3 Function indicators - LED
- 4 Welding voltage and current adjustment knob protected against mechanical shocks
- 5 Welding load parameters
Possibility to store up to 3 programs for each welding process
- 6 Welding process selector knob protected against mechanical shocks

A RATIONAL, EASY TO USE CONTROL PANEL, COMPLETE WITH ALL THE CONTROLS FOR MANAGING THE VARIOUS FUNCTIONS OF THE MACHINE.



The front panel of the new series TS EVO MULTI4 focuses on all the control functions of the engine driven welder. Controls and indicators are set out in a clear, rational way ensuring quick and easy selection of welding parameters by the operator.

OSA



MODERN TECHNOLOGY AND DESIGN

LARGE FUEL TANK, LONG RUN CAPABILITY

The engine driven welders of the TS EVO and TS EVO MULTI4 series are equipped with a large fuel tank, which guarantees long run capability.

MACHINE PARAMETERS AND ENGINE DIGITAL CONTROL

A digital module inserted in the control panel allows easy viewing of major engine functions (start up, shutdown, engine alarms, fuel level, battery voltage, etc.) together with AC generating values (frequency and three-phase or single-phase voltage).



GENERATING AC AUXILIARY POWER

The engine driven welders of the TS EVO and TS EVO MULTI4 series can also be used to generate single-phase and three-phase AC power, even at the same time as the welding process – ideal for running tools, lighting and other electrical appliances.

WORLD CLASS ENGINES

Water or air-cooled diesel engines from global manufacturers have been chosen to power the engine driven welding models of the new TS-EVO and TS EVO MULTI4 series, guaranteeing their performance and reliability together with world-wide spares support.



ORIGINAL MOSA THREE-PHASE ASYNCHRONOUS ALTERNATORS

The engine driven welders of the TS EVO and TS EVO MULTI4 series use original MOSA three-phase asynchronous alternators. A component renowned for its durable reliability in all conditions.



MODERN AND FUNCTIONAL DESIGN

- Rounded edges deflect sand, dust, and water from the canopy.
- The compact dimensions without protrusions assist favour stacking and transport.
- The large pockets in the base, allow for smooth handling with a forklift.
- The lifting point is part of the structure and mounted on the cover of the machine.
- The exhaust pipe, which can be placed on the cover, is adjustable and removable.
- Accessibility for maintenance within the machine is ensured by two fully opening side panels.

OPTIMISATION OF THE COOLING SYSTEM

A carefully considered and accurate design allowed the optimization of the cooling flows inside the machine, with the result of guaranteed performances in the most prohibitive climatic conditions.

MOSA



MOSA engine driven welders are used on sites around the world. The brand's positioning, the world-wide network of technical and commercial assistance and the high performance technology incorporated in all MOSA models make it the ideal partner wherever intensive use is required: from mines to refineries, from road infrastructures to plant engineering and from rental ready-to-use equipment for maintenance and repairs to the building and construction industry. Proven reliability makes MOSA engine driven welders indispensable in the most demanding environments worldwide from sub-zero to desert heat.

WORLDWIDE SITES

PROUDLY “MADE IN ITALY”

For more than 50 years, MOSA has been focusing on the performance and reliability of its products. Experience and commitment to innovation has positioned MOSA as a world reference in the design and construction of machines that fulfil the requirements of power generation and welding: comprising generators, engine driven welders and lighting towers.



MADE IN ITALY



The ISO 9001 certified process utilised by MOSA uses the most advanced technology and personnel with specialised expertise in all phases of the process that, starting from design, extend to the selection of raw materials and supplies, to the production

of the various components and their assembly, as well as the strict tests and functional testing of the finished product; all of which represent the traditional characteristics of “Made in Italy”.

ENGINE DRIVEN WELDERS THAT MAKE THE DIFFERENCE



TS EVO

MODEL	WELDING POWER	THREE-PHASE POWER 400 V	SINGLE-PHASE POWER 230 V	SINGLE-PHASE POWER 110 V	ENGINE
TS 300 EVO	300 A 60% - 250 A 100%	10 kVA	5 kVA	2.5 kVA	KOHLER KD 477-2
TS 400 EVO	350 A 60% - 300 A 100%	13 kVA	7 kVA	3.5 kVA	KOHLER KD 625-2
TS 600 EVO	550 A 60% - 500 A 100%	20 kVA	10 kVA	5 kVA	DEUTZ F4L 2011

THE RANGE OF PROFESSIONAL ENGINE DRIVEN WELDERS TS EVO - TS EVO MULTI4
FULFILS THE MOST DIVERSE WELDING APPLICATION REQUIREMENTS,
THANKS TO THE MANY CONFIGURATIONS OFFERED TO THE PROFESSIONAL MARKET.



TS EVO^{MULTI}4

MODEL	WELDING POWER	THREE-PHASE POWER 400 V	SINGLE-PHASE POWER 230 V	SINGLE-PHASE POWER 110 V	ENGINE
TS 400 EVO ^{MULTI} 4	350 A 60% - 300 A 100%	13 kVA	7 kVA	3.5 kVA	KOHLER KD 625-2
TS 600 EVO ^{MULTI} 4	550 A 60% - 500 A 100%	20 kVA	10 kVA	5 kVA	DEUTZ F4L 2011
TS 2x280 ^{MULTI} 4	DUAL-OPERATOR 2x230 A 60% SINGLE-OPERATOR 460 A 60%	12 kVA	7 kVA	5 kVA	KUBOTA V1505

THE SERVICES



SPARE PARTS

Tested and guaranteed original spare parts.



ASSISTANCE

Efficient and valid assistance service with the support of friendly and competent technical staff.



WARRANTY

Specific security for customer satisfaction:
a 2-year warranty included in the price.

MOSA

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