



- TIG AC/DC (HF or LIFT), TIG PULSE (PULSE and EASY PULSE) and MMA inverter welding machine, 270A.
- With LCD display for interaction and simplified adjustment of the welding parameters.
- PULSE and EASY PULSE operation. THINSPOT advanced utility for easy, rapid and accurate TIG spot welding of thin sheet metal. MIX AC-DC to heat the workpiece to weld and prepare it for AC welding.
- 10 customisable welding programs.
- MMA welding: continuous or pulse mode (MMA Pulse).
- Resistant to dirt and dust thanks to the ventilation system (dedicated tunnel) that preserves the electronic components, guaranteeing longer duration over time. Solid and strong structure.
- Setup for remote controls.

## TECHNICAL DATA

CODE	<b>816209</b>	CURRENT 100% AC	<b>130 A</b>	FREQUENCY RANGE AC	<b>10 - 250 Hz</b>
THREEPHASE MAINS VOLTAGE	<b>400 V</b>	ABSORBED CURRENT AT 60%	<b>10,9 A</b>	PULSED DC FREQUENCY RANGE	<b>0,1 - 400</b>
MAINS TOLERANCE	<b>-25 / +15 %</b>	MAX ABSORBED CURRENT	<b>16 A</b>	TORCH PINS	<b>5</b>
MAINS FREQUENCY	<b>50 / 60 Hz</b>	RANGE V OUT MMA	<b>10 - 36 V</b>	SUPPLY CABLE LENGTH	<b>2,50 m</b>
CURRENT CONTROL RANGE DC	<b>5 - 270 A</b>	MAX NO LOAD VOLTAGE	<b>62 V</b>	ELECTROMAGN. COMPATIBLE CLASS	<b>A</b>
CURRENT CONTROL RANGE AC	<b>5 - 270 A</b>	ABSORBED POWER AT 60%	<b>5,3 kW</b>	NORM	<b>EN 60974-1 /-3 /-10</b>
MAX CURRENT DC EN60974-1	<b>250 @ 30 % A</b>	MAX ABSORBED POWER	<b>7,8 kW</b>	INSULATION CLASS	<b>F</b>
MAX CURRENT AC EN60974-1	<b>250 @ 30 % A</b>	FUSE	<b>10 A</b>	PROTECTION DEGREE	<b>IP23</b>
CURRENT 60% DC	<b>170 A</b>	ABSORBED POWER idle	<b>29 W</b>	DIMENSIONS (LxWxH)	<b>53 x 24 x 45 cm</b>
CURRENT 60% AC	<b>170 A</b>	EFFICIENCY	<b>86 %</b>	WEIGHT	<b>20,3 kg</b>
CURRENT 100% DC	<b>130 A</b>	ELECTRODES Ø	<b>1,6 - 5 mm</b>		

## OPTIONAL ACCESSORIES

### ELECTRODE HOLDERS WITH CABLE

804123 ELECTRODE HOLDER + CABLE 25MMQ 4M AX50

### REMOTE CONTROLS

802336 RC-20 10 M CONTROL 2POT

804456 FPC-200 10 M FOOT CONTROL

### GAS REGULATORS

804208 QUICK GAS CONNECTOR

### TIG WELDING KITS

802788 TIG WELDING KIT - ST26

802789 TIG WELDING KIT - ST18 AQUA

### TIG TORCHES

743121 ST26 4M AX50 5P TIG TORCH

743123 ST26 8M AX50 5P TIG TORCH

### TIG - AQUA TORCHES

743122 ST18A 4M AQUA AX50 5P TIG TORCH

### TIG TORCHES - PREMIUM

743029 ST26 PRO-C 4M AX50 5P TIG TORCH

743031 ST26 PRO-C 8M AX50 5P TIG TORCH

743025 ST26 PRO-P 4M AX50 5P TIG TORCH

743027 ST26 PRO-P 8M AX50 5P TIG TORCH

### TIG TORCHES - PREMIUM AQUA

743030 ST18A PRO-C 4M AQUA AX50 5P TIG TORCH

743032 ST18A PRO-C 8M AQUA AX50 5P TIG TORCH

743026 ST18A PRO-P 4M AQUA AX50 5P TIG TORCH

743028 ST18A PRO-P 8M AQUA AX50 5P TIG TORCH

### WATER COOLING UNITS

802640 GRA 4000 WATER COOLING UNIT

802976 COOLANT FOR COOLING SYSTEMS

### TROLLEYS AND ACCESSORIES

803072 TROLLEY - MONDIAL

803073 TROLLEY - EUROPA

803079 TROLLEY - COSMOPOLITAN

## DESCRIPTION

TIG AC/DC (HF or LIFT), TIG PULSE (PULSE and EASY PULSE) and MMA inverter welding machine.

Use with different types of materials such as steel, stainless steel, aluminium, titanium, copper, nickel, magnesium and their alloys.

Designed to ensure excellent results on every thickness even the thinnest, the PULSE mode (also in the EASY PULSE version) reduces material deformation ensuring high arc stability.

Presence of advanced features: MIX AC-DC for preparation of AC welding of workpieces with considerable weights; THINSPOT for spot welding of very thin sheet metal.

The LCD screen facilitates interaction with the product and simplifies adjustment of multiple parameters of the TIG welding curve depending on processing needs.

You can save and retrieve customised programs.

Electrode welding both in continuous and pulsed mode (MMA Pulse) which ensures excellent results with basic electrodes and in position welding.

Designed for reliability over time, they feature a dedicated air tunnel cooling system that protects against dust and dirt.

Features:

### TIG

- operation in pulse and EASY pulse mode; in 2/ 4 times, Bi Level;
- 10 customisable welding programs;
- adjustment of multiple welding curve parameters: pre-heating electrode, initial/final current, spot time, pre/post gas, start/end current ramp, DC/AC balance, square wave frequency;
- advanced functions: THINSPOT for spot welding of very thin sheet metal; MIX AC-DC to heat the workpiece to weld and prepare it for AC welding;
- optimised minimum current start-up (HF/LIFT);
- set up for remote control;
- compatibility with PRO torches;

### MMA

- direct current and pulse (MMA PULSE) operation;
- hot start, arc force settings;
- anti-stick protection;
- VRD device;

### Other features:

- LCD screen for simplified interaction and immediate display and parameter setting;
- reliability over time thanks to cooling system with dedicated air tunnel that protects against dust and dirt;
- ensures the best performance even in the presence of undervoltages (up to -25%) and overvoltages (+ 15%);
- compact and robust design for easier transport and less space needed;
- thermostatic protection, overvoltage, undervoltage, internal dirt, overcurrent, phase failure.

## DOWNLOAD

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CATALOG IMAGE



INSTRUCTION MANUAL



SPARE PARTS LIST



CERTIFICATE