



- TIG AC/DC (HF or LIFT), TIG PULSE (PULSE and EASY PULSE) and MMA inverter welding machine, 200A. With TIG welding accessories and water cooling system.
- 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>816243</b>	MAX NO LOAD VOLTAGE IN DC	<b>66 V</b>	POWER FACTOR(cosphi) (cosphi)	<b>0,69</b>
SINGLEPHASE MAINS VOLTAGE	<b>230 V</b>	MAX ABSORBED CURRENT	<b>33 A</b>	D.USABLE ELECTRODES IN DC	<b>1,6 - 4 mm</b>
MAINS FREQUENCY	<b>50 / 60 Hz</b>	ABSORBED CURRENT AT 60%	<b>24 A</b>	INSULATION CLASS	<b>F</b>
CURRENT RANGE IN DC	<b>5 - 200 A</b>	MAX ABSORBED POWER	<b>5,2 kW</b>	PROTECTION DEGREE	<b>IP23</b>
MAX CURRENT DC EN60974-1	<b>200 @ 35 % A</b>	ABSORBED POWER AT 60%	<b>3,8 kW</b>	DIMENSIONS (LxWxH)	<b>51 x 19 x 53,5 cm</b>
CURRENT 35% DC	<b>200 A</b>	MAINS FUSE	<b>20 A</b>	WEIGHT	<b>22,4 kg</b>
DC CURRENT AT 60%	<b>125 A</b>	EFFICIENCY	<b>82 %</b>		

## COMPOUND PRODUCTS

<b>TIG WELDING KITS</b>		802790	GRA 4500 WATER COOLING UNIT
802789	TIG WELDING KIT - ST18 AQUA	<b>TIG 1PH</b>	
<b>WATER COOLING UNITS</b>		816208	TECHNOLOGY TIG 222 AC/DC

## OPTIONAL ACCESSORIES

<b>ELECTRODE HOLDERS WITH CABLE</b>		743032	ST18A PRO-C 8M AQUA AX50 5P TIG TORCH
804123	ELECTRODE HOLDER + CABLE 25MMQ 4M AX50	743026	ST18A PRO-P 4M AQUA AX50 5P TIG TORCH
<b>REMOTE CONTROLS</b>		743028	ST18A PRO-P 8M AQUA AX50 5P TIG TORCH
802336	RC-20 10 M CONTROL 2POT	<b>WATER COOLING UNITS</b>	
804456	FPC-200 10 M FOOT CONTROL	802976	COOLANT FOR COOLING SYSTEMS
<b>GAS REGULATORS</b>		<b>TROLLEYS AND ACCESSORIES</b>	
804208	QUICK GAS CONNECTOR	803059	TROLLEY - ARCTIC
<b>TIG TORCHES - PREMIUM AQUA</b>		803084	TROLLEY - AMERICA
743030	ST18A PRO-C 4M AQUA AX50 5P TIG TORCH	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, it features 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 -15%) and overvoltages (+ 15%);
- compact and robust design for easier transport and less space needed;
- thermostatic protection, overvoltage, undervoltage, overcurrent.

Complete with TIG welding accessories and water cooling unit G.R.A.

## DOWNLOAD

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CATALOG IMAGE



INSTRUCTION MANUAL



CERTIFICATE