



- TIG DC (HF or LIFT), TIG PULSE (PULSE and EASY PULSE) and MMA inverter welding machine, 180A.
- 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.
- 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	816518	MAX ABSORBED CURRENT	35 A	D.USABLE ELECTRODES IN DC	1,6 - 4 mm
SINGLEPHASE MAINS VOLTAGE	230 V	ABSORBED CURRENT AT 60%	23 A	INSULATION CLASS	F
MAINS FREQUENCY	50 / 60 Hz	MAX ABSORBED POWER	5,6 kW	PROTECTION DEGREE	IP23
CURRENT RANGE IN DC	5 - 220 A	ABSORBED POWER AT 60%	3,8 kW	DIMENSIONS (LxWxH)	47 x 19 x 35 cm
MAX CURRENT DC EN60974-1	220 @ 35 % A	MAINS FUSE	20 A	WEIGHT	9,700 kg
DC CURRENT AT 60%	140 A	EFFICIENCY	87 %		
MAX NO LOAD VOLTAGE IN DC	70 V	POWER FACTOR(cosphi) (cosphi)	0,7		

OPTIONAL ACCESSORIES

ELECTRODE HOLDERS WITH CABLE		743121	ST26 4M AX50 5P TIG TORCH
804123	ELECTRODE HOLDER + CABLE 25MMQ 4M AX50	743123	ST26 8M AX50 5P TIG TORCH
REMOTE CONTROLS		TIG TORCHES - PREMIUM	
802336	RC-20 10 M CONTROL 2POT	743029	ST26 PRO-C 4M AX50 5P TIG TORCH
804456	FPC-200 10 M FOOT CONTROL	743031	ST26 PRO-C 8M AX50 5P TIG TORCH
GAS REGULATORS		743025	ST26 PRO-P 4M AX50 5P TIG TORCH
722119	GAS REGULATOR 2 MANOMETERS 12 L\min	743027	ST26 PRO-P 8M AX50 5P TIG TORCH
804208	QUICK GAS CONNECTOR	TROLLEYS AND ACCESSORIES	
TIG WELDING KITS		803059	TROLLEY - ARCTIC
804362	TIG WELDING KIT - ST17	803084	TROLLEY - AMERICA
TIG TORCHES		803079	TROLLEY - COSMOPOLITAN

DESCRIPTION

TIG 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, titanium, copper, nickel and their alloys.

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

Presence of the advanced feature 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: initial/final current, spot time, pre/post gas, start/end current ramp, balance, pulse frequency;
- advanced function: THINSPOT for spot welding of very thin sheet metal;

- 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 design for easier transport and less space needed;
- protection: thermostatic, overvoltage, undervoltage, overcurrent, internal dust.

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CATALOG IMAGE



INSTRUCTION MANUAL



SPARE PARTS LIST