



- Direct current (DC) TIG (LIFT strike) and MMA electrode inverter welding machine, 170A, with LCD display. Supplied with accessories for electrode welding and plastic case.
- MMA welding with arc-force adjustment and presence of hot-start devices; welds rutile, basic, stainless steel and cast iron electrodes up to Ø 4mm.
- With set welding current display.
- Thermostatic, overvoltage, undervoltage, overcurrent protection. Compatible for use with the motor generator (230V, +/-15%).
- VDR device for greater safety in welding operations in damp environments.
- Light and compact. Easy to transport. Contained consumption thanks to inverter technology.

## TECHNICAL DATA

|                           |                     |                             |               |                               |                        |
|---------------------------|---------------------|-----------------------------|---------------|-------------------------------|------------------------|
| CODE                      | <b>816220</b>       | MAX NO LOAD VOLTAGE IN DC   | <b>78 V</b>   | EFFICIENCY                    | <b>86 %</b>            |
| SINGLEPHASE MAINS VOLTAGE | <b>230 V</b>        | MAX NO LOAD VOLTAGE DC(VRD) | <b>14 V</b>   | POWER FACTOR(cosphi) (cosphi) | <b>0,7</b>             |
| MAINS FREQUENCY           | <b>50 / 60 Hz</b>   | MAX ABSORBED CURRENT        | <b>29 A</b>   | D.USABLE ELECTRODES IN DC     | <b>1,6 - 4 mm</b>      |
| CURRENT RANGE IN DC       | <b>10 - 170 A</b>   | ABSORBED CURRENT AT 60%     | <b>17 A</b>   | INSULATION CLASS              | <b>F</b>               |
| %USE (20°C USE) (*)       | <b>88% @ 150A</b>   | MAX ABSORBED POWER          | <b>4,4 kW</b> | PROTECTION DEGREE             | <b>IP23</b>            |
| MAX CURRENT DC EN60974-1  | <b>160 @ 20 % A</b> | ABSORBED POWER AT 60%       | <b>2,6 kW</b> | DIMENSIONS (LxWxH)            | <b>38 x 42 x 17 cm</b> |
| CURRENT 35% DC            | <b>115 A</b>        | MOTORGNER. MINIMUM POWER    | <b>6 kW</b>   | WEIGHT                        | <b>9,4 kg</b>          |
| DC CURRENT AT 60%         | <b>110 A</b>        | MAINS FUSE                  | <b>16 A</b>   |                               |                        |

## SUPPLIED ACCESSORIES

|        |                                  |
|--------|----------------------------------|
| 322800 | PLASTIC CARRY CASE               |
| 124466 | CABLE 25 MMQ 3 M PLUG ATLAS 25   |
| 712030 | TOLEDO 250 WORK CLAMP 250A       |
| 712260 | DALLAS 300 ELECTRODE HOLDER 300A |
| 722341 | GAS REGULATOR REFILLABLE BOTTLE  |
| 722563 | ST9V 4M AX25 TIG TORCH           |

## OPTIONAL ACCESSORIES

### BLISTER ELECTRODES

|        |                                             |
|--------|---------------------------------------------|
| 804569 | BASIC ELECTRODES D. 2,5 MM 10 PCS           |
| 804570 | BASIC ELECTRODES D. 3,2 MM 8 PCS            |
| 804571 | STAINLESS STEEL ELECTRODES D. 2,5 MM 10 PCS |
| 804564 | RUTILE ELECTRODES D. 1,6 MM 15 PCS          |
| 802620 | RUTILE ELECTRODES D. 4 MM 8 PCS             |

### BOXED ELECTRODES

|        |                                    |
|--------|------------------------------------|
| 802737 | RUTILE ELECTRODES D. 2 MM 2,5 KG   |
| 802739 | RUTILE ELECTRODES D. 2,5 MM 2,5 KG |
| 802749 | RUTILE ELECTRODES D. 3,2 MM 4 KG   |

### ACCESSORIES/VARIOUS/SPARE PART

|        |                                       |
|--------|---------------------------------------|
| 801096 | MMA WELDING KIT 200A 16 MMQ 3+2M AX25 |
|--------|---------------------------------------|

## DESCRIPTION

TIG (LIFT striking) and MMA inverter welding machine in direct current (DC).

Use with a wide range of materials such as steel, stainless steel, titanium, copper, nickel and their alloys.

The Voltage Reduction Device (VRD) is used to decrease the output voltage to a safe level when the welding machine is on but not in welding conditions. This grants the operator's safety: he can come into contact with the electrode without risks, until welding operations are resumed. (for use in damp environment such as mines or shipyards, etc.).

Features:

- compact and light;
- LCD display to check welding current;

- MMA regulations: arc force and hot start;
- MMA electrodes: rutile, basic, stainless steel and cast iron;
- thermostatic, overcurrent, overvoltage, undervoltage, motorgenerator (+/-15%) protections.

Complete with TIG/MMA welding accessories and plastic carry case.

## DOWNLOAD

---



CATALOG IMAGE



INSTRUCTION MANUAL



SPARE PARTS LIST