



## SUPERIOR TIG 421 DC-HF/LIFT AQUA



### Overview

#### SUPERIOR TIG 421 DC-HF/LIFT AQUA

cod. 816133

Microprocessor controlled, TIG (high frequency HF or LIFT striking), PULSE TIG 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.

#### Features:

- pulse and EASY pulse operation,
- 9 customized welding programs,
- TIG regulations: bi-level, start up/end current, spot welding time, pre/post gas, current up/down slope, balance DC, square wave frequency,
- MMA regulations: arc force and hot start according to the type of electrode in use,
- anti-stick device,
- remote control and G.R.A. water cooling connector,
- storage on on-board E2PROM of the last 10 alarms,
- thermostatic, overvoltage, undervoltage, inside dirtiness, overcurrent, phase failure, water cooling unit protections.

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



REMOTE CONTROLS



CE MARKING



EAC CERTIFICATION

### Technical data

|                               |                                 |                         |                                    |                               |                                       |
|-------------------------------|---------------------------------|-------------------------|------------------------------------|-------------------------------|---------------------------------------|
| <b>CODE</b>                   | CODE 816133                     | <b>V<sub>0 DC</sub></b> | MAX NO LOAD VOLTAGE 64 V           | <b>η</b>                      | EFFICIENCY 85 V                       |
| <b>V<sub>3PH</sub></b>        | THREE PHASE MAINS VOLTAGE 400 V | <b>A<sub>MAX</sub></b>  | MAX ABSORBED CURRENT 21 A          | <b>φ</b>                      | POWER FACTOR (cosphi) 0,9             |
| <b>F</b>                      | MAINS FREQUENCY 50 / 60 Hz      | <b>A<sub>60%</sub></b>  | ABSORBED CURRENT AT 60% - MAX 13 A | <b>∅<sub>DC MIN/MAX</sub></b> | D. USABLE ELECTRODES IN DC 1,6 - 6 mm |
| <b>A<sub>MIN/MAX DC</sub></b> | CURRENT RANGE 5 - 350 A         | <b>P<sub>MAX</sub></b>  | MAX ABSORBED POWER 14 kW           | <b>IP</b>                     | PROTECTION DEGREE IP23                |



## SUPERIOR TIG 421 DC-HF/LIFT AQUA



MAX CURRENT DC (EN 60974-1) 350 @ 35 % A



ABSORBED POWER AT 60% 8 kW



DIMENSIONS 93,5 x 50 x 119,5 cm



DC CURRENT 250 A



MAINS FUSE 16 A



WEIGHT 67 kg

### Included Accessories



ARGON GAS BOTTLE IT ADAPTOR - 432036

ST18A TIG TORCH AX50 4M AQUA - 742615



TOLEDO 300 WORK CLAMP - 712231



G.R.A. 4000 WATER COOLING UNIT - 802640

CABLE 25 MMQ 3 M ATLAS 50MMQ - 713504



TROLLEY - MONDIAL - 803072



GAS REGULATOR 2 MANOMETERS 12 L\min - 722119