



## SUPERIOR TIG 421 DC-HF/LIFT 400V AQUA



### Overview

#### SUPERIOR TIG 421 DC-HF/LIFT 400V 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>MAX</sub><sup>60%</sup></b>	ABSORBED CURRENT AT 60% - MAX 13 A	<b>∅<sub>DC</sub><sup>MIN/MAX</sup></b>	D. USABLE ELECTRODES IN DC 1,6 - 6 mm
<b>A<sub>MIN</sub><sup>MAX</sup><sub>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 400V 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 230V - 802640

CABLE 25 MMQ 3 M ATLAS 50MMQ - 713504



TROLLEY - MONDIAL - 803072



GAS REGULATOR 2 MANOMETERS 12 L\min - 722119