

Product Detail:

Code: S00119

Model: TIG 3510 AC/DC HF

The tri-phase AC/DC inverter power source for TIG welding with high frequency and MMA-SMAW, TIG 3510 AC/DC, is equipped with high frequency start and pulsed arc mode.

Thanks to its many functions, it is suitable for various applications.

MAIN FEATURES:

- In TIG AC mode, it welds aluminium, magnesium and brass as well as ferrous materials, copper and titanium in TIG DC mode.
- Top quality TIG AC welding on aluminium and its alloys.
- In synergic mode, upon selecting the material to be welded, the corresponding thickness and the welding position, the power source automatically adjusts all the other welding parameters.
- In AC mode, it allows the operator to customize both the penetration and cleansing of the welding bead.
- In AC, possibility of choosing among nine possible combinations of the three waveforms: delta, square, sine.
- In AC mode, frequency can be adjusted.
- Pulsed Arc function to reduce thermal alteration and simplify welding of thin coils.
- Optional remote controls: foot-operated, hand-operated with knob or torch-mounted up-down control.
- In TIG welding the arc may be started either with high voltage – high frequency (HF Start) or by contact (Contact Start).
- Predisposition to use water cooled torches.
- Storage up to 9 welding programs in memory which may be easily re-called.
- Suitable to weld in MMA-SMAW mode both rutile and basic electrodes.
- Microprocessor control of the welding functions.

ADVANTAGES

- Minimized thermal alteration for welding of thin coils.
- Great arc stability.
- Control panel with easy-to-operate controls.
- Possibility of adjusting current directly on the torch UP-DOWN.
- Forced air cooling through cooling tunnel.
- IP23 protection class to allow outdoor work.
- High efficiency and low absorption from mains.
- Possibility to be connected to motor-driven generators.
- Compact design and low weight.



Technical Data:

Code	S00119	
Item	TIG 3510 AC/DC	
Mode	TIG	MMA
Input Voltage	3x400V 50-60Hz	
Absorbed power	40% 10,4 kVA 60% 10,1 kVA 100% 9,7 kVA	40% 14,5 kVA 60% 14 kVA 100% 13,5 kVA
MIN-MAX Welding current	5 ÷ 330 A	10 ÷ 330 A
Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1	40% 330 A 60% 320 A 100% 310 A	40% 330 A 60% 320 A 100% 310 A
Electrodes		∅ mm 1,6 ÷ 6
Stepless regulation	ELECTRONIC	
Protection class	IP 23 C	
Insulation class	H	
Construction standards	EN60974-1 / EN60974-10	
Dimensions	330x600x540h mm	
Weight	39 kg	

Accessories:


535806 (optional) 4 m, ABITIG 18 water cooled torch



535807 (optional) 4 m, ABITIG 18 UP-DOWN water cooled torch



560101 (optional) CU55H - Horizontal 5 l cooling unit for torch



580003 (optional) Transport cart

S01704A.1
0 (optional) Accessories kit for electrode welding with 5+3,5 m cables of 35 mm² and "texas" connection 50

363307 (optional) Foot control and TIG torch connector



535805 (optional) 4 m, ABITIG 26 UP-DOWN torch



530138 (optional) Earth cable for welding



530330 (optional) 5 m long cable for remote control



535802 (optional) 4 m, ABITIG 26 torch



570008 (optional) TIG foot control



570006 (optional) Remote control