

Product Detail:

Code: S00132

Model: TIG 3610 AC/DC HF

The three-phase (MULTI VOLTAGE) AC/DC inverter power source for TIG welding with high frequency and MMA-SMAW, TIG 3610 AC/DC HF, 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 and magnesium as well as ferrous materials, stainless steel, copper and titanium in TIG DC mode.
- Great arc stability and top quality TIG AC welding on aluminium and its alloys.
- Pulsed Arc function to reduce thermal alteration and simplify welding of thin sheets.
- Automatic recall of the welding program relevant to the diameter of the electrode in use.
- In AC mode, it allows the operator to customize both the penetration and cleansing of the welding bead.
- In AC mode, frequency can be adjusted.
- 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).
- Preset for the use of 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.
- Functions 4-time bi-level, 4-time tri-level and 4-time with SWP programme.
- Possibility to set the time of PREGAS, POSTGAS, SLOPE UP and SLOPE DOWN.
- Possibility to be connected to motor-driven generators.
- Possibility to activate a security PASSWORD.
- 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.
- Compact design and low weight.



Technical Data:

Code	S00132			
Item	TIG 3610 AC/DC HF			
Mode	TIG		MMA	
Input Voltage	3x208/220/230V 50-60 Hz	3x400/440 50- 60Hz	3x208/220/230V 50-60 Hz	3x400/440 50- 60Hz
Absorbed power	35% 8,1 kVA - 60% 7,2 kVA - 100% 6,5 kVA	35% 8,7 kVA - 60% 7 kVA - 100% 6,2 kVA	35% 9,4 kVA - 60% 7,8 kVA - 100% 7 kVA	40% 9,7 kVA - 60% 8,3 kVA - 100% 7,3 kVA
MIN-MAX Welding current	5 ÷ 280 A	5 ÷ 350 A	10 ÷ 240 A	10 ÷ 280 A
Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1	35% 280A - 60% 245A - 100% 220A	35% 350A - 60% 280A - 100% 250A	35% 240A - 60% 200A - 100% 180A	40% 280A - 60% 240A - 100% 210A
Electrodes	-		Ø mm 1,6 ÷ 6	
Stepless regulation	ELECTRONIC			
Protection class	IP 23			
Insulation class	H			
Construction standards	EN60974-1 / EN60974-10			
Dimensions	330x600x540h mm			
Weight	39 kg			

Accessories:


535802 (optional) 4 m, ABITIG 26 torch



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



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



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



530138 (optional) Earth cable for welding



501704A.1 (optional) Accessories kit for electrode welding with 5+3,5 m cables of 35 mm² and "texas" connection 50



560102 (optional) CU56H - Horizontal 5 l cooling unit for torch



580007 (optional) Transport cart



540102 (optional) INOX FAST CLEAN KIT



309269 (optional) Helmet with auto-dimming LCD filter (9-13 DIN) MAXIVISION COLOR to protect face and eyes during welding.



357502 (optional) Flowmeter with 2 gas pressure gauges



570008 (optional) TIG foot control



363307 (optional) Foot control and TIG torch connector



570006 (optional) Remote control



530330 (optional) 5 m long cable for remote control
