

Product Detail:

Code: S00118

Model: TIG 3080 DC HF

The three-phase (MULTI VOLTAGE) inverter power source for TIG welding with high frequency and MMA-SMAW, TIG 3080 DC HF, is equipped with high frequency start, pulsed arc mode and is suitable for welding of iron, steel, stainless steel, copper and titanium.

In TIG mode it provides a current of 250 A with 40% duty cycle (EN60974-1).

It can weld coated rutile and basic electrodes.

It is suitable for light-medium metal fabrication as well as for servicing in general.

MAIN FEATURES:

- Microprocessor control of the welding functions.
- Digital display instruments to control welding current and tension.
- In TIG welding the arc may be started either with high voltage – high frequency (HF Start) or by contact (Contact Start).
- Pulsed Arc function to reduce thermal alteration and simplify welding of thin coils.
- Two/Four time and spot-welding functions.
- 4-time bi-level, 4-time tri-level and 4-time with SWP programme.
- Adjustable Pre-Gas and Post-Gas.
- Adjustable Arc-Force and Hot-Start in MMA.
- Storage up to 9 welding programs in memory which may be easily re-called.
- Preset for use with remote control: pedal, manual or up-down control on the torch.
- Predisposition to use water cooled torches.

ADVANTAGES

- Automatic setting of appropriate voltage within the following ranges: 3x208/220/230V and 3x400/440V.
- 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.
- Compact design and low weight.



Technical Data:

| | | | | |
|---|------------------------------------|------------------------------------|------------------------------------|-------------------------|
| Code | S00118 | | | |
| Item | TIG 3080 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 |
| Installation power | 6,5 kW | 6,3 kW | 7,8 kW | 7,6 kW |
| MIN-MAX Welding current | 5 ÷ 250 A | | 10 ÷ 220 A | |
| Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1 | 25% 250A - 60% 200A - 100% 150A | 40% 250A - 60% 225A - 100% 200A | 30% 220A - 60% 160A - 100% 130A | 60% 220A - 100% 160A |
| Electrodes | - | | Ø mm 1,6 ÷ 5 | |
| Stepless regulation | ELECTRONIC | | | |
| Protection class | IP 23 | | | |
| Insulation class | H | | | |
| Construction standards | EN60974-1 / EN60974-10 | | | |
| Dimensions | 220x440x460h mm | | | |
| Weight | 20 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



S01714A.1
0 (optional) Accessories kit with 5+3,5m cables of 35 mm², Texas 50



560010 (optional) CU06H - Horizontal 5 l cooling unit for torch



580002 (optional) Transport cart



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



363307 (optional) Foot control and TIG torch connector



530330 (optional) 5 m long cable for remote control



570008 (optional) TIG foot control



570006 (optional) Remote control
