

Product Detail:

Code: S00117

Model: MMA 2255 DC

THREE-PHASE MMA INVERTER POWER SOURCE

MMA 2255 DC is a tri-phase (MULTI VOLTAGE) inverter power source for MMA-SMAW and TIG welding with contact start. It provides a current of 220 A in MMA and 250A in TIG; it is meant to weld rutile and basic coated electrodes up to 5 mm of diameter.

Duty cycle calculated to EN60974-1 and EN50199 standards, hence at a temperature of +40°C and over periods of 10 minutes.

Adjustable Hot start, Arc Force and Anti-Stick functions enable even inexperienced welders to do a great job in MMA mode.

The lack of Hi-Frequency start makes it possible to work next to computers, medical equipment, instruments and any other electronic devices sensitive to high frequency emissions. The easy contact start, in TIG mode, avoids dangerous tungsten inclusions into the welding bead.



MAIN OPERATIVE SPECIFICATIONS:

- Predisposition for foot operated and manual remote controls.
- Up to 9 welding programmes can be stored and easily recalled.
- Adjustable Arc Force and Hot Start.
- Anti-Stick
- TIG welding with start by contact.
- Slope Down and Post Gas in TIG mode
- Digital display instruments to control welding current and tension.
- Microprocessor control of the welding functions.
- High efficiency, hence low power consumption.

ADVANTAGES

- Easy to use
- Automatic setting of appropriate voltage within the following ranges: 3x208/220/230V and 3x400/440V
- Great arc stability
- Control panel with easy-to-operate controls
- Forced air cooling through cooling tunnel
- IP23C protection class to allow outdoor work
- High efficiency and low absorption from mains
- Compact design and low weight.
- Strong steel body with epoxy, scratch proof, bake oven powder coating.

Technical Data:

| | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|-----------------------|
| Code | S00117 | | | |
| Item | MMA 2255 DC | | | |
| 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 kVA | 6,3 kVA | 7,8 kVA | 7,6 kVA |
| MIN-MAX Welding current | 5 ÷ 250 A | | 10 ÷ 220 A | |
| Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1 | 25% 60% 100% 250A 200A 150A | 40% 60% 100% 250A 225A 200A | 30% 60% 100% 220A 160A 130A | 60% 100% 220A 160A |
| Electrodes | - | | Ø mm 1,6 ÷ 5 | |
| Stepless regulation | ELECTRONIC | | | |
| Protection class | IP 23 C | | | |
| Insulation class | H | | | |
| Construction standards | EN60974-1 / EN50199 | | | |
| Dimensions | mm 220x440x460h | | | |
| Weight | kg 19 | | | |

Accessories:

580002 (optional) Transport cart

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

363307 (optional) Foot control and TIG torch connector



530330 (optional) 5 m long cable for remote control



535802 (optional) 4 m, ABITIG 26 torch



530138 (optional) Earth cable for welding



570008 (optional) TIG foot control



570006 (optional) Remote control