

INVERTER BASED MULTI-PROCESS WELDING MACHINE MODEL COMBO-402 I / 502 I

COMBO series machines are multi process machine with CC / CV characteristics. These machines use advanced soft-switching IGBT based inverter technology. They are widely used for GMAW/FCAW welding and SAMW welding in acid and Basic electrodes. They can also be used for GTAW (Scratch start) in all metals except Al, Mg and its alloys.

Features

- Advanced '*Soft Switching*' technology.
- Digital Microprocessor based.
- Synergic Mode available.
- Spot welding Time can be set.
- Pre flow, Post flow of gas can be set
- Easy arc striking, less spatter stable current and excellent welding characteristics.
- Higher operating frequency and hence low volume and weight.
- Excellent arc voltage and current feedback circuit.
- 100% Duty cycle and suitable for heavy industrial use.
- Higher efficiency and better power factor.
- Higher Open Circuit Voltage

Basic Outfits

Power Source
 Wire Feeder with 5 meter interconnecting cable
 MIG welding Torch
 Regulator flow-meter with Pre heater

Technical Specifications

| Parameters | COMBO-402 i | COMBO 502 i |
|-----------------------------|-------------------------------------|----------------------------------|
| Rated Input Voltage | 380 ~ 440 Volts 3 Phase 50 Hz | 380 ~ 440 Volts 3 Phase 50 Hz |
| Input Power (KVA) | 18.0 | 26.5 |
| Output Voltage Range (GMAW) | 14 ~ 40 | 14 ~ 50 |
| Welding Current Range (A) | 50 ~ 400 (GMAW) 50 ~ 400 (SMAW) | 60~ 500 (GMAW) 60 ~500 (SMAW) |
| Duty Cycle (%) | 100% (40° C and 10 Min) | 100% (40° C and 10 Min) |
| Full Load Efficiency(%) | 89% | 89% |
| Power Factor | 0.9 | 0.9 |
| Weight (kg) | 35 | 42 |
| Insulation Grade | H | H |
| Wire Feed Speed | 1.3 ~ 21 m/min | 1.3 ~ 21 m/min |
| Torch Connection | EURO Type | EURO Type |

Specifications may subject to change without notice.

