

Welding process

- MMA stick welding
- Air Carbon Arc gouging
- TIG DC Lift start welding
- MIG/MAG short spray manual arc welding
- MIG/MAG short spray synergic arc welding
- MIG/MAG pulsed synergic welding
- MIG/MAG brazing

Materials

- Carbon steels
- Aluminized and galvanized steels
- Stainless steels
- Duplex steels
- Nickel and nickel alloys
- Aluminum and aluminum alloys
- Copper and copper alloys
- Special materials

Applications

- Light job shop fabrication
- Medium-heavy job shop fabrication
- Heavy job shop fabrication
- Building sites
- Plants machinery construction
- Oil refinery plants construction
- Railway industry
- Machine and apparatus construction
- Automobile industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Workshops
- Sheet metal working



Technical features

- Advanced inverter technology power source for superior arc performance
- High power at 100% of duty cycle
- Heavy duty and enviromental conditions, high service life
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Linear controlled fan on demand
- Excellent performances also with long power supply extension cables
- Wire feeder unit (4 rolls drive)
- Ø 200/300 mm wire spool compatible
- Full digital and user-friendly control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Ideal for stick welding with all types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Reduced electromagnetic interference with lift start TIG welding
- 2/4 step operating mode
- Perfect arc ignition (soft start)
- Burn-back and droplet detachment correction
- Crater filler operating mode
- Synergic operations from databank (80 pre-set programs)
- Wire speed (1-22 m/min), amperage and piece thickness adjustment
- Euro adaptor - MIG/MAG torch compatible
- Push-pull torch device
- Remote control compatible
- Selco WU cooling unit compatible
- Controlled cooling operations

Power source

| | | | P | X% | | | P.F. | I₂ | U_o | IP | mm l x w x h | △Kg |
|------------------------|--------|-----|-------------------|-----------|------|------|-------------|----------------------|----------------------|-----------|---------------------|------------|
| Genesis 352 PME | 3x400V | 30A | 19,0kVA 13,7kW | 40°C | 60% | 350A | 0,72 | 6-350A | 81V | 23S | 620x280x500mm | 34,0kg |
| | | | | 40°C | 100% | 270A | | | | | | |
| | | | | 25°C | 100% | 350A | | | | | | |
| Genesis 503 PME | 3x400V | 40A | 29,8kVA 23,0kW | 40°C | 50% | 500A | 0,77 | 6-500A | 79V | 23S | 620x280x500mm | 42,0kg |
| | | | | 40°C | 60% | 460A | | | | | | |
| | | | | 40°C | 100% | 400A | | | | | | |
| | | | | 25°C | 100% | 500A | | | | | | |

Wire feeder unit

| | P | ϕ (m/min) | ϕ mm | | \emptyset mm | ϕ | | | | IP | mm l x w x h | △Kg |
|----------------------------|----------|----------------|-----------|-----|----------------|--------|---|---|---|-----------|---------------------|------------|
| WF 104 IC 4R-4T | 120W | 1,0-22,0m/min | 200/300mm | 4 ● | 1,0/1,2mm ● | ● | ● | ○ | ○ | 23S | 600x200x440mm | 18,0kg |
| | | | | | 0,6-1,6mm ○ | | | | | | | |
| | | | | | A 0,8-1,6mm ○ | | | | | | | |
| | | | | | Z 1,2-2,4mm ○ | | | | | | | |

● = Included ○ = Optional

A = Aluminum Z = Cored

Cooling unit

| | | P | | IP | mm l x w x h | △Kg |
|--------------|--------|----------|------|-----------|---------------------|------------|
| WU 21 | 1x400V | 1,2kW | 6,0l | 23S | 660x250x280mm | 16,0kg |

| Part No. | Description |
|--|--|
| Genesis 352 PME - MIG/MAG welding configuration | |
| 55.03.135 | GENESIS 352 PME 3x400V |
| 71.01.104 | FEED UNIT - WF 104 |
| 71.03.021 | COOLING UNIT WU 21 |
| 71.06.240 | CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m |
| 71.03.023 | POWER SOURCE TROLLEY GT 23 MIG |
| 71.05.030 | WORK CABLE - 70mm ² - L.4m |
| 81.01.054 | MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED |
| 72.01.001 | PRESSURE LIMITER WITH PREHEATER AND FLOWMETER |
| Genesis 503 PME - MIG/MAG welding configuration | |
| 55.03.150 | GENESIS 503 PME 3x400V |
| 71.01.104 | FEED UNIT - WF 104 |
| 71.03.021 | COOLING UNIT WU 21 |
| 71.06.240 | CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m |
| 71.03.023 | POWER SOURCE TROLLEY GT 23 MIG |
| 71.05.030 | WORK CABLE - 70mm ² - L.4m |
| 81.01.054 | MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED |
| 72.01.001 | PRESSURE LIMITER WITH PREHEATER AND FLOWMETER |
| Accessories | |
| Remote control unit | |
| 71.02.007 | REMOTE CONTROL UNIT RC 07 - L.5m |
| Torch | |
| 81.01.053 | MIG/MAG WELDING TORCH 452 DW - L.3m - LIQUID COOLED |
| 81.01.054 | MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED |
| 81.01.060 | MIG/MAG WELDING TORCH MB 501 D - L.3m - LIQUID COOLED |
| 81.01.061 | MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED |
| 81.01.085 | MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - 45° |
| 81.01.086 | MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - 45° |
| 81.01.083 | MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - STRAIGHT |
| 81.01.084 | MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - STRAIGHT |
| 81.02.008 | TIG WELDING TORCH SR 26 V - L.4m - AIR COOLED |
| 81.02.009 | TIG WELDING TORCH SR 26 V - L.8m - AIR COOLED |
| Earth cable | |
| 71.05.025 | WORK CABLE - 50mm ² - L.4m |
| 71.05.030 | WORK CABLE - 70mm ² - L.4m |
| 71.05.035 | WORK CABLE - 90mm ² - L.4m |
| Wirefeeder | |
| 71.01.104 | FEED UNIT - WF 104 |
| 73.10.050 | FEED UNIT WHEELS - UPGRADE KIT |
| 73.10.002 | 4 ROLLS FEED UNIT - SPARE KIT |
| 73.10.004 | 4 ROLLS FEED UNIT ALUMINUM WIRE DRIVE KIT |
| 73.11.007 | PUSH PULL - UPGRADE KIT |
| Cable bundle | |
| 71.06.236 | CABLE ASSEMBLY - WATER COOLED 35mm ² - L.1,3m |
| 71.06.240 | CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m |
| 71.06.241 | CABLE ASSEMBLY - WATER COOLED 70mm ² - L.4m |
| 71.06.245 | CABLE ASSEMBLY - WATER COOLED 70mm ² - L.30m |
| 71.06.251 | CABLE ASSEMBLY - WATER COOLED 95mm ² - L.4m |
| 71.06.254 | CABLE ASSEMBLY - WATER COOLED 95mm ² - L.10m |
| 71.06.255 | CABLE ASSEMBLY - WATER COOLED 95mm ² - L.15m |
| Cooling unit | |
| 71.03.021 | COOLING UNIT WU 21 |
| 18.91.001 | ANTIFREEZING LIQUID (10kg) |
| Power source trolley | |
| 71.03.023 | POWER SOURCE TROLLEY GT 23 MIG |
| 71.03.024 | POWER SOURCE TROLLEY GT 24 (BUILT-IN TRANSFORMER) |
| Other | |
| 72.01.007 | PRESSURE LIMITER - IT |
| 72.01.001 | PRESSURE LIMITER WITH PREHEATER AND FLOWMETER |
| 72.04.001 | ARGON-CO2 GAS FITTING |