Applications

- Advanced mild and stainless steel fabrication
- Advanced aluminium fabrication
- Prefabrication for Offshore and Shipbuilding
- Production of lin ed drapery (white goods)
- Prefabrication of Ni based material
- Nuclear & Aerospace
- Erection and repair of process and power plants
- QA Applications
- Pressure vessels, tanks and apparatuses for the process industry

XA00113020
# Technical data

<table>
<thead>
<tr>
<th></th>
<th>Mig U4000i</th>
<th>Mig 5000i</th>
<th>Mig U5000i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains Voltage, V, Hz</td>
<td>3x400, 50/60</td>
<td>3x400, 50/60</td>
<td>3x400, 50/60</td>
</tr>
<tr>
<td>Fuse anti-surge, A</td>
<td>20</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Mains cable, mm²</td>
<td>4x4</td>
<td>4x6</td>
<td>4x6</td>
</tr>
<tr>
<td>Setting range, MIG/MAG, A/V</td>
<td>16-400</td>
<td>320/23</td>
<td>320/23</td>
</tr>
<tr>
<td>Setting range, MIG/MAG DC, A</td>
<td>16-400</td>
<td>320/23</td>
<td>320/23</td>
</tr>
<tr>
<td>Setting range, TIG DC, A</td>
<td>4-400</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Permitted load, 40°C</td>
<td>at 35% duty cycle MIG/MAG, A/V 400/36</td>
<td>-</td>
<td>350/40</td>
</tr>
<tr>
<td>at 60% duty cycle MIG/MAG, A/V 500/40</td>
<td>-</td>
<td>500/40</td>
<td></td>
</tr>
<tr>
<td>at 100% duty cycle MIG/MAG, A/V 400/36</td>
<td>-</td>
<td>400/36</td>
<td></td>
</tr>
<tr>
<td>Open circuit voltage, U, max V</td>
<td>Without VRD function</td>
<td>MIG/MAG 55-70 MIG/MAG 72-88</td>
<td>MIG/MAG, TIG 72-88</td>
</tr>
<tr>
<td></td>
<td>With VRD function</td>
<td>MIG/MAG 78-90 MIG/MAG 88-90</td>
<td>MIG/MAG, MMA 78-88</td>
</tr>
<tr>
<td></td>
<td>VRD function deactivated</td>
<td>MIG/MAG, MMA 58 MIG/MAG, MMA 59</td>
<td>MIG/MAG, MMA 59</td>
</tr>
<tr>
<td></td>
<td>VRD function activated</td>
<td>&lt; 35 &lt; 35</td>
<td>&lt; 35</td>
</tr>
<tr>
<td>Energy save mode (400V), W</td>
<td>60</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Apparant power, kVA</td>
<td>18.6</td>
<td>25.2</td>
<td>25.2</td>
</tr>
<tr>
<td>Power factor at maximum current</td>
<td>0.9</td>
<td>0.91</td>
<td>0.91</td>
</tr>
<tr>
<td>Efficiency at maximum current, %</td>
<td>86</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Control voltage, V, Hz</td>
<td>42, 50/60</td>
<td>42, 50/60</td>
<td>42, 50/60</td>
</tr>
<tr>
<td>Dimensions l x w x h, mm</td>
<td>625x394x496</td>
<td>625x394x496</td>
<td>625x394x496</td>
</tr>
<tr>
<td>Dimensions l x w x h (with cooling unit), mm</td>
<td>625x394x776</td>
<td>625x394x776</td>
<td>625x394x776</td>
</tr>
<tr>
<td>Enclosure class</td>
<td>IP 23</td>
<td>H</td>
<td>H</td>
</tr>
<tr>
<td>Operating temperature, °C</td>
<td>-10 to +40</td>
<td>71</td>
<td>5</td>
</tr>
<tr>
<td>Weight, kg</td>
<td>63.5</td>
<td>68</td>
<td>80</td>
</tr>
<tr>
<td>Application class</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Standards</td>
<td>IEC/EN 60974-1,2,-3,-10</td>
<td>IP23</td>
<td>IP23</td>
</tr>
</tbody>
</table>

### Water cooling unit:
- Cooling capacity, W, l/min: 2500 at 40 °C, 1.5
- Coolant volume, l: 5.5
- Max flow, l/min: 2.0
- Max pressure, bar: 3.4
- Weight, kg: 20

### Multi Voltage unit:
- Add on or separate
- Main voltage, V, Hz: 3x208/230/400/460/475/575, 50/60 Hz
- Weight, kg: 80
- Dimension l x w x h, mm: 621x389x266

### Unrivaled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB’s quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.

### Ordering information

**Aristo® Mig U4000w**
- 0458 625 885

**Origo™ / Aristo® Mig 5000i**
- 0458 230 880

**Origo™ / Aristo® Mig 5000lw**
- 0459 230 881

**Aristo® Mig U5000w**
- 0459 230 883

**Accessories:**
- Multi Voltage unit, Wide body (3x208/230/400/460/475/575V, 50/60 Hz)
- Handle incl. mounting screws for separate installation. (Compress set = 2)
- Trolley 1 (Standard)
- Trolley 2 (Feeder with counter balance device and/or 2 gas bottles)
- Guide pin (If no trolley)
- Remote control MTA1 CAN
- Remote control AT1 CAN
- Remote control AT1 CourseFine CAN
- Remote interconnection cables:
  - 5 m, 12 pole
  - 10 m, 12 pole
  - 25 m, 12 pole
  - 5 m HD, 12 pole
  - 10 m HD, 12 pole
- Foot pedal T1 Foot CAN, incl. 5 m cable with 10 pole plug (For connection to the feeder with U6 panel)
- Foot pedal T1 Foot CAN, incl. 5 m cable with 12 pole plug (For connection to the feeder for U82)
- Quick connector kit for current, water and shielding gas supply for 2x Aristo® Feed
- MMC kit for MMC panel mounted in the power source

**Options:**
- Water Flow guard complete
- 0456 855 880

### Interconnection cables 12/10 pole

**Water cooled**

- 95 mm2: 0459 528 970
- 1.7 m: 0459 528 971
- 5.0 m: 0459 528 974
- 10.0 m: 0459 528 975
- 15.0 m: 0459 528 976
- 25.0 m: 0459 528 978
- 35.0 m: 0459 528 977

**Delivery content:**
- 5 m mains cable incl. plug and 5 m return cable incl. earth clamp

---

ESAB AB
Box 8004
SE-402 77 GÖTEBORG SWEDEN
Phone: +46 31 50 90 00 Fax +46 31 22 04 49
E-mail: info@esab.se
www.esab.com