

# Aristo<sup>®</sup> Mig 5000i/U5000i

Updated robotic welding power source  
with W8<sub>2</sub> robotic interface



The new edition Aristo<sup>®</sup> 5000i/U5000i power source provides substantially improved arc welding performance and higher productivity for robotic applications. It features an improved robot interface with more storage and increased communication speed. A built-in robotic interface module (W8<sub>2</sub>) and built-in web server allow remote access by a wide range of external devices, including robotic controllers.

The Aristo power source is designed to integrate with ESAB's industry-leading WeldCloud online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication.

- Improved arc starts with low-to-no spatter
- Improved end of weld crater fill for defect-free weld terminations
- Greatly improved performance in high speed Swift Arc Transfer (SAT<sup>™</sup>) welding
- Enhanced synergic line performance
- Complete integration with WeldCloud<sup>™</sup> online management platform

Visit [esab.com](http://esab.com) for more information.



WeldCloud<sup>™</sup>

## Industry

- Automotive
- Transportation
- General Manufacturing
- Ship/Barge Building



# Aristo<sup>®</sup> Mig 5000i/U5000i

<b>Technical Data</b>		
	<b>5000i</b>	<b>U5000i</b>
Mains Voltage	3x400, 460 V	3x400, 460 V
Number of Phases	3 ph	3 ph
Supply Frequency	50/60 Hz	50/60 Hz
Fuse Slow	32 A	32 A
Welding Output, MIG/MAG	500 A / 39 V at 60 % Duty Cycle 400 A / 34 V at 100 % Duty Cycle	500 A / 39 V at 60 % Duty Cycle 400 A / 34 V at 100 % Duty Cycle
Welding Output, MMA	500 A / 40 V at 60 % Duty Cycle 400 A / 36 V at 100 % Duty Cycle	500 A / 40 V at 60 % Duty Cycle 400 A / 36V at 100 % Duty Cycle
Welding Output, TIG DC	-	500 A / 26 V at 60 % Duty Cycle 400 A / 30 V at 100 % Duty Cycle
Setting Range, MIG/MAG	16-500 A, 8-60 V	16-500 A, 8-60 V
Setting Range, MMA	16-500 A	16-500 A
Setting Range, TIG DC	-	4-500 A
Open Circuit Coltage MIG/MAG *	72-88 V	72-88 V
Open Circuit Voltage MIG/MAG VRD **	59 V	59 V
Open Circuit Coltage MMA	68-80 V	68-80 V
Open Circuit Voltage MMA VRD	< 35 V	< 35 V
Energy Save Mode	70 W	70 W
Rated kVA	25.2 kVA	25.2 kVA
Efficiency at Max Current	87 %	87 %
Power Factor at Max Current	0.91	0.91
Control Voltage	42 V	42 V
Dimensions L x W x H	625x394x496 mm	625x394x496 mm
Dimensions L x W x H with cooling unit	625x394x776 mm	625x394x776 mm
Weight with / without cooling unit	88 kg / 68 kg	90 kg / 70 kg
Operating Temperature	-10 to +40 °C	-10 to +40 °C
Enclosure Class	IP23	IP23
Insulation Class	H	H
Application Class	S	S
Approval	CE, CSA	CE, CSA
Mains Cable	4x6 mm2	4x6 mm2
<b>Water cooling unit</b>		
Cooling Capacity	1.5 kw	1.5 kw
Coolant Volume	5.5 l	5.5 l
Max Flow	2.0 l/min	2.0
Max Pressure	3.4 bar	3.4 bar
Weight	20 kg	20 kg
<b>Multi-Voltage Power Source</b>		
Mains Voltage	3x208/230/400/460/475 V	3x208/230/400/460/475 V
Weight with / without cooling unit	88 kg / 68 kg	90 kg / 70 kg
Dimension L x W x H	621x389x266 mm	621x389x266 mm

\* Valid for power sources without VRD specifications on the rating plate.

\*\* Valid for power sources with VRD specifications on the rating plate. The VRD function is explained in the instructions manual for the control panel if the panel has that function.

# Aristo® Mig 5000i/U5000i

Ordering Information	
Aristo® Mig 5000i 400V CE	0459230880
Aristo® Mig 5000iw 400V CE	0459230881
Aristo® Mig U5000iw 400V CE	0459230883
Aristo® Mig 5000i 460V CSA	0459230884
Aristo® Mig U5000i 460V CSA	0459230885
Aristo® Mig U5000iw 460V CSA	0459230886
Aristo® Mig 5000i 400V CE, integrated W82 and WeldCloud™*	0445400880
Aristo® Mig 5000iw 400V CE, integrated W82 and WeldCloud™	0445400881
Aristo® Mig U5000iw 400V CE, integrated W82 and WeldCloud™	0445400883
Aristo® Mig 5000i 460V CSA, integrated W82 and WeldCloud™	0445400884
Aristo® Mig U5000i 460V CSA, integrated W82 and WeldCloud™	0445400885
Aristo® Mig U5000iw 460V CSA, integrated W82 and WeldCloud™	0445400886

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

\* For more information on WeldCloud™ online weld management platform see separate fact sheet.

Options and Accessories	
Aristo® W82 Fieldbus (DeviceNet)	0460891881
Aristo® W82 Fieldbus (Profibus)	0460891882
Aristo® W82 Fieldbus (CANopen)	0460891883
Aristo® W82 Fieldbus (EtherNet IP)	0460891884
Aristo® W82 Fieldbus (EtherCat)	0460891885
Aristo® W82 Fieldbus kit, DeviceNet (for WeldCloud machines)	0445501880
Aristo® W82 Fieldbus kit, Profibus (for WeldCloud machines)	0445501881
Aristo® W82 Fieldbus kit, CanOpen (for WeldCloud machines)	0445501882
Aristo® W82 Fieldbus kit, EtherNetIP (for WeldCloud machines)	0445501883
Aristo® W82 Fieldbus kit, EtherCat (for WeldCloud machines)	0445501884
Aristo® U82 Presentation Mode	0460820880
Aristo® U82 Plus	0460820881
Extension cable U82, 7.5m	0460877891
Interconnection cable W82 - Aristo® Mig U4000i/5000i/U5000i	0456527885
Water Flow guard complete	0456855880
Cooling unit OCE2H	0414191881
Coolant 10l	0007810012

Delivery content U82: 0.5 m control cable with 12p connector, complete holder and user manual. For more information on U82 and W82 see separate fact sheet.

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## Ordering Information

Interconnection cable PS - drive unit 5 m	0740538890
Interconnection cable PS - drive unit 10 m	0740538881
Interconnection cable PS - drive unit 15 m	0740538882
Interconnection cable PS - drive unit 5 m water cooled	0740538895
Interconnection cable PS - drive unit 10 m water cooled	0740538886
Interconnection cable PS - drive unit 15 m water cooled	0740538887
Interconnection cable PS - drive unit 25 m water cooled	0740538888
Interconnection cable PS - drive unit 35 m water cooled	0740538889
Interconnection cable PS – drive unit 10m water cooled 3 m Raiku hose	0461528993

\* Including turning conduit clamp for standard arm robots only



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