

Aristo[®] Mig 5000i/U5000i

Optimum welding solutions



The new edition Aristo[®] Mig 5000i/U5000i power source provides substantially improved arc welding performance. It's designed for high-productivity and high-quality welding applications.

Professional TIG DC welding with U5000iw. Additional U5000iw features; high frequency, LiftArc[™] striking and TIG pulse-welding with DC.

The Aristo power source integrates fully with ESAB's industry-leading WeldCloud[™] online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication.

- Advanced pulse functionality SuperPulse[™] reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines (U8₂ Plus)
- Easily transfer weld data between machines and PC by storing data to a USB stick
- QSet[™] intelligent welding system
- TrueArcVoltage[™] system measures the correct arc voltage at the contact tip together with ESAB torches

Visit esab.com for more information.

Industry

- Automotive
- Transportation
- General Manufacturing
- Heavy Fabrication
- Nuclear & Aerospace
- Pressure Vessels
- Ship/Barge Building

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Technical Data		
	5000i	U5000i
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
Water cooling unit		
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
Multi-Voltage Power Source		
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.

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Ordering Information

Aristo® Mig 5000i 400V CE	0459230880
Aristo® Mig 5000iw 400V CE	0459230881
Aristo® Mig U5000i 400V CE	0459230883
Aristo® Mig 5000i 460V CSA	0459230884
Aristo® Mig 5000iw 460V CSA	0459230885
Aristo® Mig U5000i 460V CSA	0459230886
Aristo® Mig 5000i 400V CE, intergrated W82 and WeldCloud™*	0445400880
Aristo® Mig 5000iw 400V CE, intergrated W82 and WeldCloud™	0445400881
Aristo® Mig U5000i 400V CE, intergrated W82 and WeldCloud™	0445400883
Aristo® Mig 5000i 460V CSA, intergrated W82 and WeldCloud™	0445400884
Aristo® Mig 5000iw 460V CSA, intergrated W82 and WeldCloud™	0445400885
Aristo® Mig U5000i 460V CSA, intergrated 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 and manual.

Options and Accessories

Multi Voltage unit, Wide body	0459145880
Handle incl mounting screws for separate installation (2)	0459307881
Trolley 1 (Standard)	0458530880
Trolley 2 for counter balance device and/or 2 gas bottles	0458603880
Guide pin (If no trolley)	0458731880
Multi-voltage unit TUA2, wide body	0459145880
Remote control adapter RA12	0459491910
Remote control MTA1 CAN	0459491880
Remote control M1 10Prog CAN	0459491882
Remote control AT1 CAN	0459491883
Remote control AT1 CourseFine CAN	0459491884
Foot pedal T1 Foot CAN, incl. 5 m cable with 10 pole plug, For connection to the feeder with U6 panel	0460315881
Foot pedal T1 Foot CAN, incl. 5 m cable with 12 pole plug, For connection to the feeder for U82	0460315880
Remote Interconnection Cable 5 m, 12 pole	0459554880
Remote Interconnection Cable 10 m, 12 pole	0459554881
Remote Interconnection Cable 15 m, 12 pole	0459554882
Remote Interconnection Cable 25 m, 12 pole	0459554883
Remote Interconnection Cable 5 m HD, 12 pole	0459554980
Remote Interconnection Cable 10 m HD, 12 pole	0459554981

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Options and Accessories

Connection Cable CAN Air-Cooled 1.7 m, 12 pole	0456528880
Connection Cable CAN Air-Cooled 5 m, 12 pole	0456528890
Connection Cable CAN Air-Cooled 10 m, 12 pole	0456528881
Connection Cable CAN Air-Cooled 15 m, 12 pole	0456528882
Connection Cable CAN Air-Cooled 25 m, 12 pole	0456528883
Connection Cable CAN Air-Cooled 35 m, 12 pole	0456528884
Connection Cable CAN Water-Cooled 1.7 m, 12 pole	0456528885
Connection Cable CAN Water-Cooled 5 m, 12 pole	0456528895
Connection Cable CAN Water-Cooled 10 m, 12 pole	0456528886
Connection Cable CAN Water-Cooled 15 m, 12 pole	0456528887
Connection Cable CAN Water-Cooled 25 m, 12 pole	0456528888
Connection Cable CAN Water-Cooled 35 m, 12 pole	0456528889
Connection Cable Air-Cooled 1.7 m 12 pole – 10 pole	0459528960
Connection Cable Air-Cooled 5 m 12 pole – 10 pole	0459528961
Connection Cable Air-Cooled 10 m 12 pole – 10 pole	0459528962
Connection Cable Water-Cooled 1.7 m 12 pole – 10 pole	0459528970
Connection Cable Water-Cooled 5 m 12 pole – 10 pole	0459528971
Connection Cable Water-Cooled 10 m 12 pole – 10 pole	0459528972
Connection Cable Water-Cooled 15 m 12 pole – 10 pole	0459528973
Connection Cable Water-Cooled 25 m 12 pole – 10 pole	0459528974
Connection Cable Water-Cooled 35 m 12 pole – 10 pole	0459528975
Return Cable 5 m, 95mm ²	0700006897
Water Flow guard complete	0456855880
MMC kit for MMC panel mounted in the power source	0459579880
Quick connector kit for current, water and shielding gas Supply for 2x Aristo® Feed	0459546880
Cooling unit OCE2H	0414191881
Coolant 10l	0007810012

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