

Aristo[®] Mig 5000i/U5000iw

Advanced Synergic Multi-Process Welder



The new edition, multi-process Aristo[®] Mig 5000i/U5000iw power source provides substantially improved arc welding performance and higher productivity for robotic and semi-automatic applications.

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

- Proven, robust, heavy-duty industrial system that holds up in the most demanding welding environments
- Greatly improved performance with high speed Swift Arc Transfer (SAT[™]) welding
- Advanced pulse SuperPulse[™] functionality reduces heat input and minimizes spatter
- Up to 250 pre-programmed synergic lines (U8₂ Plus) and the most on board memory of any Advanced System
- Easily transfer weld data between machines and computer by storing data to a USB flash drive

Visit esab.com for more information.

Industry

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



*Aristo Mig 5000i DC CVCC -
MIG - Pulse MIG - SMAW
- Lift TIG*



*Aristo Mig U5000iw DC CVCC - MIG
- Pulse MIG - SMAW
DC TIG - TIG Pulse - HF Start,
Water Cooled*

Aristo Mig 5000i/U5000iw

Specifications		
	5000i	U5000iw
Mains Voltage	3x460 V	3x460 V
Number of Phases	3 ph	3 ph
Supply Frequency	50/60 Hz	50/60 Hz
Fuse Slow	32 A	32 A
Welding Output, 40°C	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 / 36 V at 100% Duty Cycle
Setting Range, MIG/MAG	16-500 A, 8-60 V	16-500 A, 8-60 V
Setting Range, MMA DC	16-500 A	16-500 A
Setting Range, TIG DC	4-500 A	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	50 W	50 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 (24.6x15.5x19.5 in.)	-
Dimensions L x W x H with cooling unit	-	625x394x776 mm (24.6x15.5x30.6 in.)
Weight with / without cooling unit	72 kg (159 lbs)	92.1 kg (203 lbs)
Operating Temperature	-10-+40 °C (14-104 °F)	-10-40 °C (14-104 °F)
Enclosure Class	IP23	IP23
Insulation Class	H	H
Application Class	S	S
Approval	CE	CE
Mains Cable	4x6 mm ² (4x8 AWG)	4x6 mm ² (4x8 AWG)
Water cooling unit		
Cooling Capacity	-	1.5 kw
Coolant Volume	-	5.5 l (1.5 gal)
Max Flow	-	2.0 lpm (0.53 gpm)
Max Pressure	-	3.4 bar (49.3 psi)
Weight	-	20 kg (44 lbs)
Multi-Voltage Unit		
Mains Voltage	3x208/230/400/460/575 V	3x208/230/400/460/575 V
Weight	75 kg (165.4 lbs)	75 kg (165.4 lbs)
Dimension L x W x H	621x389x266 mm (24.4x15.3x10.5 in.)	621x389x266 mm (24.4x15.3x10.5 in.)

* 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/U5000iw

Power Source	
Aristo Mig 5000i DC 460V with WeldCloud*	0445400884
Aristo Mig U5000iw DC 460V with WeldCloud*	0445400886
Feeder Section	
Robust Feed U82 (U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water cooled Tweco® 4	0445800896
Robust Feed U82 (U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water cooled, Euro	0445800900
Robust Feed U82 (push pull connection only, paired with the PullMaster2 Tweco 4	0445800904
Robust Feed U6 (push pull capable, gas flow meter+heater+MMA outlet) Air cooled, Tweco 4	0445800890
Robust Feed U6 (push pull capable, gas flow meter+heater+MMA outlet) Water cooled, Euro	0445800895
Aristo Feed 3004 3004W ENCL 10P (use with U82 Plus 0460820881)	0460526891
Aristo U82 Plus complete includes Holder	0460820881

U5000iw include built in water cooler.

For more information on WeldCloud online weld management platform, see separate fact sheet

** For more information on WeldCloud online weld data management platform see separate fact sheet and manual.*

Aristo Mig 5000i/U5000iw

Interconnection Cables		
Interconnection Cables	Air Cooled	Water Cooled
Interconnection 70 mm 2 CAN w strain relief, 6 ft (2 m)	0446255880*	0446255890*
Interconnection 70 mm 2 CAN w strain relief, 16 ft (5 m)	0446255881*	0446255891*
Interconnection 70 mm 2 CAN w strain relief, 33 ft 10 m)	0446255882*	0446255892*
Interconnection 70 mm 2 CAN w strain relief, 50 ft (15 m)	0446255883*	0446255893*
Interconnection 70 mm 2 CAN w strain relief, 82 ft (25 m)	0446255885*	0446255895*

*When using with Robust Feeds adapter cable 0446089880 must be ordered

Options and Accessories	
TUA-2 Auto-Transformer (multi-voltage)	0459145880
Heavy-Duty Dual Cylinder Cart (cannot be used with U5000iw + multi-voltage unit)	0558102236
Trolley Aristo with swivel post (single feeder)	0458530880
Trolley Aristo Dual Cylinder (dual feeder)	0458603880
Remote Control MTA1 CAN	0459491880
Remote Control AT1 CAN	0459491883
Remote Control AT1 CourseFine CAN	0459491884
Remote Interconnection Cable 5 m (16.4 ft), 12 pole (U8 ₂)	0459554880
Remote Interconnection Cable 10 m (33 ft), 12 pole (U8 ₂)	0459554881
Remote Interconnection Cable 5 m (16.4 ft), 10 pole (U6)	0459960880
Remote Interconnection Cable 10 m (33 ft), 10 pole (U6)	0459960881
Work Cable GC-500 4.5 m (15 ft) 4/0	0700006897
Foot Pedal T1 Foot CAN, incl. 5 m (16.4 ft) cable with 10 pole plug, for connection to the feeder with U6 panel	0460315881
Foot Pedal T1 Foot CAN, incl. 5 m (16.4 ft) cable with 12 pole plug, for connection to the feeder for U8 ₂	0460315880
Quick Connector Kit for current, water and shielding gas Supply for 2x Aristo Feed	0459546880
MMC kit for MMC panel mounted in the power source	0459579880
Water Flow Guard Complete	0456855880



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