

Aristo[®] Mig 5000i/U5000i

Advanced Synergic Multi-Process Welder



The new edition, multi-process Aristo[®] Mig 5000i 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, mobile cellular 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/U5000i

Specifications		
	5000i, U5000i	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 100 % Duty Cycle 400 A / 36 V at 60% Duty Cycle	500 A / 40 V at 100 % Duty Cycle 400 A / 36 V at 60% 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	24.6x15.5x19.5 in. (625x394x496 mm)	-
Dimensions L x W x H with cooling unit	-	24.6x15.5x30.6 in. (625x394x776 mm)
Weight with / without cooling unit	159 lbs. (72 kg)	203 lbs. (92.1 kg)
Operating Temperature	14-104°F (-10-+40°C)	14-104°F (-10-40°C)
Enclosure Class	IP23	IP23
Insulation Class	H	H
Application Class	S	S
Approval	CE	CE
Mains Cable	4x8AWG (4x6 mm ²)	4x8AWG (4x6 mm ²)
Water cooling unit		
Cooling Capacity	-	1.5 kw
Coolant Volume	-	1.5 gal. (5.5 l)
Max Flow	-	0.53 gpm (2.0 lpm)
Max Pressure	-	49.3 psi (3.4 bar)
Weight	-	44 lbs. (20 kg)
Multi-Voltage Unit		
Mains Voltage	3x208/230/400/460/575 V	3x208/230/400/460/575 V
Weight	165.4 lbs. (75 kg)	165.4 lbs. (75 kg)
Dimension L x W x H	24.4x15.3x10.5 in. (621x389x266 mm)	24.4x15.3x10.5 in. (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 DC CVCC 460V	0459230884
Aristo Mig 5000i DC CVCC 460V with WeldCloud	0445400884
Aristo Mig U5000i DC CVCC 460V	0459230885
Aristo Mig U5000i DC CVCC 460V with WeldCloud	0445400885
Aristo Mig U5000iw DC CVCC 460V	0459230886
Aristo Mig U5000iw DC 460V with WeldCloud	0445400886
Aristo Mig 5000i DC, 208-575V, 3 ph, 60Hz (Canada)	0459230880MV
Aristo Mig U5000iw DC, 208-575V, 3ph, 60Hz (Canada)	0459230881MV
Ready-to-Weld Packages	
Aristo Mig 5000i / 4004HD U6 RTW Stationary	0558102467
Aristo Mig 5000i / 4004HD U82 Plus RTW Stationary	0558102468
Aristo Mig 5000i / 4004HD U6 RTW MIG Racer	0558102469
Aristo Mig 5000i / 4004HD U82 Plus RTW MIG Racer	0558102470
Aristo Mig 5000i / 3004 U6 RTW Stationary	0558102266
Aristo Mig 5000i / 3004 U82 Plus RTW Stationary	0558102267
Aristo Mig U5000i / 3004 U6 RTW Stationary	0558101378
Aristo Mig U5000i / 3004 U82 Plus RTW Stationary	0558101379

Power source includes: 16.4 ft. (5 m) mains cable. U5000iw include built-in water cooler.
For more information on WeldCloud online weld management platform, see separate fact sheet.

RTW (Ready To Weld) Stationary Packages include: power source, wire feeder, .035/.045 in. (0.9/1.2 mm) V groove feedrolls, V450 15 ft. (4.5 m) MIG gun, 5.5 ft. (1.7 m) connection set (gas hose, control cable, welding current cable), 15 ft. (4.5 m) work cable and clamp, regulator/flowmeter.

RTW MIG Racer Packages include: the above plus HD 2-Cylinder Cart.



Aristo Mig 5000i DC CVCC,
Aristo Feed 4004HD,
Tweco V-450 Mig Gun,
Victor ESS3
HD, dual cylinder cart,
Ready-to-Weld Package

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Connection Sets (1-required)

Connection cable, air cooled torches, 5.5 ft. (1.7 m)	0459528960
Connection cable, air cooled torches, 16.4 ft. (5 m)	0459528961
Connection cable, air cooled torches, 32.8 ft. (10.0 m)	0459528962
Connection cable, water cooled torches, 5.5 ft. (1.7 m)	0459528970
Connection cable, water cooled torches, 16.4 ft. (5 m)	0459528971
Connection cable, water cooled torches, 32.8 ft. (10.0 m)	0459528972
Connection cable, water cooled torches, 49.2 ft. (15.0 m)	0459528973
<i>Air Cooled Connection sets include: gas hose with Q/C, welding current cable, control cable in protective sheath. Water Cooled Connection sets include: gas hose with Q/C, welding current cable, control cable, water in & out hoses in protective sheath</i>	

Options and Accessories

Multi Voltage unit, Wide body	0459145880
Heavy-Duty Dual Cylinder Cart (cannot be used with U5000iw + multi-voltage unit)	0558102236
Guide pin (If no trolley) (3004 feeders only)	0458731880
Remote control MTA1 CAN	0459491880
Remote control AT1 CAN	0459491883
Remote control AT1 CourseFine CAN	0459491884
Remote Interconnection Cable 16.4 ft. (5 m), 12 pole (U82)	0459554880
Remote Interconnection Cable 33 ft. (10 m), 12 pole (U82)	0459554881
Remote Interconnection Cable 16.4 ft. (5 m), 10 pole (U6)	0459960880
Remote Interconnection Cable 33 ft. (10 m), 10 pole (U6)	0459960881
Work Cable GC-500 15 ft. (4.5 m) 4/0	0558102318
Foot pedal T1 Foot CAN, incl. 16.4 ft. (5 m) cable with 10 pole plug, for connection to the feeder with U6 panel	0460315881
Foot pedal T1 Foot CAN, incl. 16.4 ft. (5 m) cable with 12 pole plug, for connection to the feeder for U82	0460315880
Trolley 2 for counter balance device and/or 2 gas bottles	0458603880
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

XA00185421 / NA / EN / 01-17-17 Note: Specifications subject to change without notice. Products may vary from those pictured.



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