

Aristo[®] Mig 5000iR

New edition robotic welding power source with W8₂ robotic interface



WeldCloud™

The new edition Aristo[®] 5000 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 (W8₂) 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™) welding
- Enhanced synergic line performance
- Complete integration with WeldCloud™ online management platform

Visit esab.com for more information.

Industry

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



Technical Data

	5000i	U5000i
Mains voltage, V, Hz	3x400, 460, 50/60	3x400, 460, 50/60
Fuse slow, A	32	32
Mains cable, mm ²	4x6	4x6
Setting range, MIG/MAG, A/V	16-500/8-60	16-500/8-60
Setting range, MMA DC, A	16-500	16-500
Setting range, TIG DC, A	-	4-500
Permitted load, 40° C		
at 60% duty cycle MMA, A/V	500/40	500/40
at 100% duty cycle MMA, A/V	400/36	400/36
Open circuit voltage, U_o max V		
Without VRD function *	MIG/MAG 72-88	MIG/MAG, TIG 72-88
Without VRD function *	MMA 68-80	MMA 68-80
VRD function deactivated **	MIG/MAG, MMA 59	MIG/MAG, MMA 59
VRD function activated **	< 35	< 35
Energy save mode (400V), W	50	50
Apparent power, kVA	25.2	25.2
Power factor at maximum current	0.91	0.91
Efficiency at maximum current, %	87	87
Control voltage, V, Hz	42, 50/60	42, 50/60
Dimensions l x w x h, mm	625x394x496	625x394x496
Dimensions l x w x h (with cooling unit), mm	625x394x776	625x394x776
Enclosure class & standards	IP23 & IEC/EN 60974-1,-2,-3,-10	IP23 & IEC/EN 60974-1,-2,-3,-10
Insulation class (main trafo.)	H	H
Operating temperature, °C	-10 to +40	-10 to +40
Weight, kg	68	68
Application class	S	S
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		
Main voltage, V, Hz	3x208/230/400/460/475, 50/60	
Weight, kg	80	
Dimension l x w x h, mm	621x389x266	

* 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.

Ordering Information

Aristo® Mig 5000iR 400V with WeldCloud™*	0445400880
Aristo® Mig 5000iR 460V with WeldCloud™	0445400884
Aristo® Mig 5000iwR 400V with WeldCloud™	0445400881
Aristo® Mig 5000iwR 460V with WeldCloud™	0445400885
Aristo® Mig U5000iR 400V with WeldCloud™	0445400883
Aristo® Mig U5000iR 460V with 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.

Ordering Information – 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
Remote control MTA1 CAN	0459491880
Remote control AT1 CAN	0459491883
Remote control AT1 CourseFine CAN	0459491884

Remote interconnection cables

5 m, 12 pole	0459 554 880
10 m, 12 pole	0459 554 881
25 m, 12 pole	0459 554 883
5 m HD, 12 pole	0459 554 980
10 m HD, 12 pole	0459 554 981
Foot pedal T1 Foot CAN, incl. 5 m cable with 10 pole plug, For connection to the feeder with U6 panel	0460315 881
Foot pedal T1 Foot CAN, incl. 5 m cable with 12 pole plug, For connection to the feeder for U82	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

Ordering Information – Interconnection cables

95mm² Water cooled

1.7m	0459528970
5.0m	0459528971
10.0m	0459528972
15.0m	0459528973
25.0m	0459528974
35.0m	0459528975

XA00182220 / 2015-09-30 / ESAB reserves the right to alter specifications without prior notice



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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =