



Aristo™ Arc 4000i/5000i

Origo™ Arc 4000i/5000i

Optimum welding solutions

Robust and powerful

Aristo™ Arc 4000i/5000i and Origo™ Arc 4000i/5000i are ideal partners when it comes to efficient production indoor or outdoor, installation on site or all type of repair & maintenance welding.

The power sources are compact and sturdy pieces of equipment with a chassis made of extruded aluminium sections: **Alutech™**. This is a robust material that withstands rough treatment.

The power sources are based on inverter IGBT technology that provides reliable equipment with outstanding welding characteristics.

The communications and control CAN-bus system means less cables, which in turn increases operational reliability.

MMA applications

Aristo™ Arc 4000i/5000i and Origo™ Arc 4000i/5000i can weld most metals to alloyed and non alloyed steel, stainless steel and cast iron.

Electrodes up to 7 mm (Aristo™ Arc 5000i and Origo™ Arc 5000i) and Gouging electrodes up to 10 mm. (Aristo™ Arc 5000i).

Flexibility

The fundamental parts are the 400 and 500 A power modules. The link between man and machine is the communicator. You can choose between 2 control panels (MMC) depending upon your requirements and demands. Both of them are clear, easy to understand and operate.

Origo™ **A2** is a two knobs panel for setting and adjustment of welding current and Arc force.

Aristo™ **A4** is a more sophisticated panel with one knob for welding current setting and adjustments, soft buttons for choice of electrode type, adjustment of Hot start and Arc force.

Inclusive also a digital display for A/V measurement.

Applications

- On site assembly
- Pipelines (cellulosic electrodes)
- Shipbuilding and offshore
- Process industry
- Repair & Maintenance
- Carbon Air Gouging



Multi voltage unit

Aristo™ Arc and Origo™ Arc are available for a wide range of mains power supplies by adding a multi voltage unit. The unit can be equipped to the power source as one complete unit or delivered as a separate unit inclusive handles for easy transport.

- **Outstanding welding characteristics**- high efficiency and high quality welding.
- Efficient **Man Machine Communication** by the user-friendly control panels Origo™ **A2** or Aristo™ **A4**
- Aristo™ **A4** enable choice of electrode types, rutile, basic and cellulose for optimal welding qualities and a easy to read digital display to indicate current/voltage.
- Adjustable **Arc force**
- Adjustable **Hot start** (Aristo™ A4) to optimise the welding starts
- **Carbon Arc Gouge** (Aristo™ A4) with up to 10 mm gouging electrodes (Arc 5000i)
- **Multi voltage unit** as add on or separate for a wide range of mains power supplies
- Enclosure class **IP 23**
- **Dust filter** to handle tough and dirty environment and avoid grinding-dust and metal particles inside the chassis

Technical data

	Arc 4000i	Arc 5000i
Mains Voltage, V, Hz	3x400, 50/60	3x400, 50/60
Fuse, slow, A	25	35
Mains cable, mm ²	4x4	4x6
Setting range, A	16 – 400	16 – 500
Permitted load, 40 °C		
at 35% duty cycle, A/V	400/36	500/40
at 60% duty cycle, A/V	320/33	400/36
at 100% duty cycle, A/V	250/30	400/36
Open circuit voltage, V	78 - 90	68 - 80
Energy save mode, W	50	50
Input power at max, kW	16	23
Apparant power at max, kVA	24.6	28
Power factor at maximum current	0.65	0.85
Efficiency at maximum current, %	85	86
Dimensions l x w x h, mm	625 x 294 x 492	625 x 294 x 492
Enclosure class	IP 23	IP 23
Insulation class	H	H
Operating temperature, °C	-10 to +40	-10 to +40
Weight, kg	45	55
Application class	S	S
Standards	IEC/EN 60974-1, EN 50199	IEC/EN 60974-1, EN 50199
Multi Voltage unit:	Add on or separate	Add on or separate
Main voltage, V, Hz	3x208/230/400/460/475/575, 50/60	3x208/230/400/460/475/575, 50/60
Weight, kg	67	67
Dimension l x w x h, mm	614 x 289 x 266	614 x 289 x 266



Ordering information

Origo™ Arc 4000i A2	0458 635 880
Aristo™ Arc 4000i A4	0458 635 881
Origo™ Arc 5000i A2	0459 130 880
Aristo™ Arc 5000i A4	0459 130 881

Accessories

Trolley	0458 525 880
Multi Voltage unit, Narrow body (208/230/400/460/475/575V, 50/60Hz)	0459 144 880
Handle incl. mounting screws for separate installation. (Complete set = 2)	0459 307 880
Remote adapter RA 12 (12 pole) for connection of analogue remotes	0459 491 910
Remote control AT1 CAN for current control	0459 491 883
Remote control AT1 CourseFine CAN for course/fine current control	0459 491 884
Remote interconnection cables AT1/AT1 CourseFine CAN	
0.25 m	0459 554 884
5 m	0459 554 880
10 m	0459 554 881
15 m	0459 554 882
25 m	0459 554 883
Return cable complete, 5m 70 mm ²	0156 743 881

Options:

Voltage peak reduction unit (applicable only to Aristo™ Arc 4000i and Origo™ Arc 4000i)	0458 741 001
-----------------------------------------------------------------------------------------	--------------

* Only in combination with the remote control adapter
Additional Remote controls are available on request

Delivery content: 5 m mains cable incl plug

Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to non. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.



ESAB AB
Box 8004
SE-402 77 GÖTEBORG SWEDEN
Phone: +46 31 50 90 00 Fax +46 31 22 04 49
E-mail: info@esab.se
www.esab.com

