

Aristo® / Origo™ Mig 4002c, 5002c, 6502c

Maximum performance for heavy duty applications



*Aristo Mig 4002c with
Aristo Feed 3004 U₈₂ and
PSF™ 405 torch.*



WeldCloud™

Mig 4002c, 5002c, and 6502c are sturdy and robust switching converter (chopper) power sources intended for heavy duty applications. MIG/MAG and MMA are the main processes and process selection being related to the choice of control panel on the feeder unit. Origo Feed with control panel MA23/MA24 or Aristo Feed with U6/U8₂.

Well proven technology together with ESAB developed software provides a high reliability and outstanding welding performance. The power source is constructed using a strong metal casing to withstand harsh environments. The large wheels, sturdy lifting eyelets and an under carriage designed for transport by forklift makes the unit easy to move.

The power source integrates with ESAB's industry-leading WeldCloud™ online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication with WeldCloud Mobile together with Aristo W8₂.

- Reliable and smooth starts and ends supported by efficient hot-start and crater fill functions
- QSet™ intelligent welding system
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)
- Up to 250 pre-programmed synergic lines (U8₂ Plus)
- Easily transfer weld data between machines and PC by storing data in a portable format

Visit esab.com for more information.



*WeldCloud Mobile and Aristo W8₂ mounted
on power source*

Industry

- General Industrial Fabrication
- Energy
- Windtowers
- Transportation
- Railcars
- Mining
- Mobile Machinery
- Steel Industry
- Ship/Barge Building
- Offshore Oil

When choosing a top-performing welding machine you need top-performing ESAB Filler Metals.
Learn more at esab.com/fillermetals today.

Aristo® / Origo™ Mig 4002c, 5002c, 6502c

Specifications			
	Mig 4002c	Mig 5002c	Mig 6502c
Mains Voltage	3x400, 460 V		
Number of Phases	3 ph		
Supply Frequency	50/60 Hz		
Welding Output, MIG/MAG, 60% Duty Cycle	400 A / 34 V	500 A / 39 V	650 A / 44 V
Welding Output, MIG/MAG, 100% Duty Cycle	310 A / 30 V	500 A / 34 V	650 A / 39 V
Welding Output, MMA, 60% Duty Cycle	400 A / 36 V	500 A / 40 V	650 A / 44 V
Welding Output, MMA, 100% Duty Cycle	310 A / 33 V	500 A / 36 V	650 A / 40 V
Setting Range, MIG/MAG	20-400 A, 15-34 V	20-500 A, 15-39 V	20-650 A, 15-39 V
Setting Range, MMA	20-400 A, 20-36 V	20-500 A, 20-40 V	20-650 A, 20-40 V
Open Circuit Voltage MIG/MAG *	68 V		
Open Circuit Voltage MIG/MAG VRD **	56 V		
Open Circuit Voltage MMA	62 V		
Open Circuit Voltage MMA VRD	< 35 V		
Energy Save Mode	60 W		
Efficiency at Max Current	70 %	72 %	76 %
Power Factor at Max Current	0.88	0.90	0.90
Control Voltage	42 V		
Dimensions L x W x H	830x640x835 mm		
Weight / Weight with cooling unit	149 kg / 163 kg	185 kg / 199 kg	222 kg / 236 kg
Operating Temperature	-10 to +40 °C		
Enclosure Class	IP23		
Application Class	S		
Approval	CE, CSA		
Mains Cable	4x6 mm ²		
Water cooling unit			
Cooling Capacity	1.0 kw		
Coolant Volume	5 l		
Max Flow	2.0 l/min		
Max Pressure	3.4 bar		
Weight	20 kg		

* 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	
Mig 4002c (400-415V 50/60Hz)	0349311300
Mig 4002c (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311310
Mig 4002cw (400-415V 50/60Hz)	0349309780
Mig 4002cw (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311320
Mig 5002c (400-415V 50/60Hz)	0349311330
Mig 5002c (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311340
Mig 5002cw (400-415V 50/60 Hz)	0349311350
Mig 5002cw (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311360
Mig 6502c (400-415V 50/60Hz)	0349311370
Mig 6502c (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311380
Mig 6502cw (400-415V 50/60 Hz)	0349311390
Mig 6502cw (230/400-415/500V 50Hz ; 230/440-460 60Hz)	0349311400

Delivery content: 5m mains cable, wheels, return cable with clamps, gas bottle platform, guide pin for the wire feeder and instruction manual.
For more information on compatible wire feeders, U8₂, W8₂ or WeldCloud online weld management platform please see separate fact sheets and instruction manuals.

Options and Accessories	
WeldCloud Mobile*	0464550880
Aristo U8 ₂ , complete incl. Holder	0460820880
Aristo U8 ₂ Plus, complete incl. Holder	0460820881
Control cable extension for U8 ₂ 7.5 m	0460877891
Aristo W8 ₂ Integrated (Explicit messages)	0460891880
Aristo W8 ₂ Fieldbus (DeviceNet)	0460891881
Aristo W8 ₂ Fieldbus (Profibus)	0460891882
Aristo W8 ₂ Fieldbus (CANopen)	0460891883
Aristo W8 ₂ Fieldbus (EtherNet IP)	0460891884
Aristo W8 ₂ Fieldbus (EtherCat)	0460891885
Interconnection cable W8 ₂ - Aristo Mig 4002c/5002c/6502c	0462000880
Water flow guard	0349302251
Coolant ready mixed (5l)	0349483296
Air filter	0349302252
Holder for welding torch and cables	0349303362
Adapter (12 pole to 10 pole)	0349311512
Strain relief	0349311700
A24 Control panel kit	0349313055

* Requires U8₂ and W8₂.

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Torches	
PSF 405 Torch, 3m	0458401882
PSF 405 Torch, 4.5m	0458401883
PSF 410w Torch, 3m	0458400882
PSF 410w Torch, 4.5m	0458400883
PSF 505 Torch, 3m	0458401884
PSF 505 Torch, 4.5m	0458401885

Wire Feeders	
Origo Feed 3004 MA23 Encl 10p	0460526887
Origo Feed 3004w MA23 Encl 10p	0460526897
Origo Feed 3004 MA24 Encl 10p	0460526889
Origo Feed 3004w MA24 Encl 10p	0460526899
Origo Feed 4804w MA23 Encl 10p	0460526997
Origo Feed 4804w MA24 Encl 10p	0460526999
Aristo Feed 3004 U6 Encl -10p	0460526886
Aristo Feed 3004w, U6 Encl. 10p, water-cooled	0460526896
Aristo Feed 4804w, U6 Encl. 10p, water-cooled	0460526996
Aristo Feed 3004, U8 ₂ Encl 10p	0460526881
Aristo Feed 3004w, U8 ₂ Plus Encl. 10p, water-cooled	0460526891
Aristo Feed 4804w, U8 ₂ Encl. 10p, water-cooled	0460526991

Interconnection Cables		
	Gas-Cooled	Liquid-Cooled
Interconnection Cable 70 mm ² 10p, 1.7 m	0459528780	0459528790
Interconnection Cable 70 mm ² 10p, 5.0 m	0459528781	0459528791
Interconnection Cable 70 mm ² 10p, 10.0 m	0459528782	0459528792
Interconnection Cable 70 mm ² 10p, 15.0 m	0459528783	0459528793
Interconnection Cable 70 mm ² 10p, 25.0 m	0459528784	0459528794
Interconnection Cable 70 mm ² 10p, 35.0 m	0459528785	0459528795
Interconnection Cable 95 mm ² 10p, 1.7 m	0459528980	0459528990

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