

Origo™ MIG 4002c, 5002cw, 6502c

Advanced Synergic Multi-Process Welders



The multi-process Origo™ MIG power sources provide substantially improved arc welding performance and higher productivity for robotic and semi-automatic applications.

The Origo MIG power sources are designed to integrate with ESAB's industry-leading WeldCloud™ online data management platform via Wi-Fi, mobile cellular or hard-wired Ethernet communication.

- Origo MIG multi-voltage (230/460/575V 3 ph) power sources operate with all Origo Feed and Aristo™ Feed wire feeders.
- Simple functionality in the most Advanced Synergic Multi-Process welding system you can buy
- Large wheels, sturdy lifting eyelets, and undercarriage make the unit easy to move around
- Auxiliary 115 VAC standard on select models
- Origo MIG 4002c, 5002cw, and 6502c are sturdy and robust switching converter (chopper) power sources intended for heavy duty applications, with the energy efficiency of an inverter

Visit esab.com for more information.

Origo MIG 4002c/Aristo Feed 3004 U82 Plus System

Industry

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



Origo MIG 4002c

Origo MIG 5002cw*

Origo MIG 6502c

*Origo MIG 5002cw available in Canada only.

Origo™ MIG 4002c, 5002cw, 6502c

Specifications		Origo Mig 4002c	Origo Mig 5002cw	Origo Mig 6502c
Input voltage:	USA Canada	230/460 V, 3 ph, 60 Hz 230/460/575 V, 3 ph, 60Hz	- 230/460/575 V, 3 ph, 60 Hz	230/460 V, 3 ph, 60 Hz 230/460/575 V, 3 ph, 60 Hz
Permitted load at:	60% duty cycle 100% duty cycle	400 A/34 VDC 310 A/30 VDC	500 A/39 VDC 400 A/34 VDC	650 A/44 VDC 500 A/39 VDC
Primary current at:	60% duty cycle 100% duty cycle	56/29/22 A 43/25/20 A	75/39/30 A 57/33/26 A	103/59/52 A 80/46/33 A
Setting range, DC:	GMAW/FCAW SMAW	16–400 A/8–34 V 16–400 A/8–36 V	16–500 A/8–39 V 16–500 A/8–40 V	16–650 A/8–44 V 16–650 A/8–44 V
Open circuit voltage:	GMAW/FCAW SMAW	70 VDC 61 VDC	70 VDC 61 VDC	70 VDC 61 VDC
Open circuit power		500 W	550 W	670 W
In energy saving mode, 15 min. after welding		60 W	60 W	60 W
Power factor at maximum current		0.88%	0.90%	0.90%
Efficiency at maximum current		70%	72%	76%
Control voltage		42 V, 50/60 Hz	42 V, 50/60 Hz	42 V, 50/60 Hz
Dimensions, LxWxH		32.6 x 25 x 32.8 in. (830 x 640 x 835 mm)	32.6 x 25 x 32.8 in. (830 x 640 x 835 mm)	32.6 x 25 x 32.8 in. (830 x 640 x 835 mm)
Weight		328 lbs. (149 kg)	407 lbs. (185 kg)	489 lbs. (222 kg)
Weight with cooling unit		-	438 lbs. (199 kg)	-
Operating temperature		14 to 104 °F (-10 to 40 °C)	14 to 104 °F (-10 to 40 °C)	14 to 104 °F (-10 to 40 °C)
Enclosure class		IP 23	IP 23	IP 23

Ordering Information - USA

Description	Part Number
Origo MIG 4002c CVCC, 230/460 V, 3 ph, 60 Hz Power Source*	0349312390
Origo MIG 6502c CVCC, 230/460 V, 3 ph, 60 Hz Power Source*	0349312410
Origo MIG 4002cw CVCC, 230/460 V, 3 ph, 60 Hz Power Source	0349311320
Origo MIG 6502cw CVCC, 230/460 V, 3 ph, 60 Hz Power Source	0349311400
Origo MIG 4002c/Origo Feed 3004 MA23 Ready-to-Weld Package	0558101332
Origo MIG 4002c/Origo Feed 3004 MA23 Basic Package	0558101333
Origo MIG 6502/Origo Feed 3004 MA23 Ready-to-Weld Package	0558101336
Origo MIG 6502c/Origo Feed 3004 MA23 Basic Package	0558101337
Origo MIG 4002c/Origo Feed 3004 MA24 Ready-to-Weld Package	0558101338
Origo MIG 4002c/Origo Feed 3004 MA24 Basic Package	0558101339
Origo MIG 6502c/Origo Feed 3004 MA24 Ready-to-Weld Package	0558101342
Origo MIG 6502c/Origo Feed 3004 MA24 Basic Package	0558101343
Origo MIG 4002c/Aristo Feed 3004 U6 Ready-to-Weld Package	0558101344
Origo MIG 4002c/Aristo Feed 3004 U6 Basic Package	0558101345
Origo MIG 6502c/Aristo Feed 3004 U6 Ready-to-Weld Package	0558101348
Origo MIG 6502c/Aristo Feed 3004 U6 Basic Package	0558101349
Origo MIG 4002c/Aristo Feed 3004 U8 ₂ Plus Ready-to-Weld Package	0558101354
Origo MIG 4002c/Aristo Feed 3004 U8 ₂ Plus Basic Package	0558101355
Origo MIG 6502c/Aristo Feed 3004 U8 ₂ Plus Ready-to-Weld Package	0558101358
Origo MIG 6502c/Aristo Feed 3004 U8 ₂ Plus Basic Package	0558101359

*Includes 115 VAC, 10 A outlet.

Origo™ MIG 4002c, 5002cw, 6502c

Ordering Information - Canada	
Description	Part Number
Origo MIG 4002c CVCC, 230/460/575 V, 3 ph, 60 Hz Power Source	0349311780
Origo MIG 5002cw CVCC, 230/460/575 V, 3 ph, 60 Hz Power Source	0349311820
Origo MIG 6502c CVCC, 230/460/575 V, 3 ph, 60 Hz Power Source	0349312740
Origo MIG 4002c/Origo Feed 3004 MA23 Ready-to-Weld Package	0561000060
Origo MIG 4002c/Origo Feed 3004 MA23 Basic Package	0561000061
Origo MIG 5002cw/Origo Feed 3004 MA23 Basic Package	0561000081
Origo MIG 6502/Origo Feed 3004 MA23 Ready-to-Weld Package	0561000090
Origo MIG 6502c/Origo Feed 3004 MA23 Basic Package	0561000091
Origo MIG 4002c/Origo Feed 3004 MA24 Ready-to-Weld Package	0561000062
Origo MIG 4002c/Origo Feed 3004 MA24 Basic Package	0561000063
Origo MIG 5002cw/Origo Feed 3004 MA24 Basic Package	0561000083
Origo MIG 6502c/Origo Feed 3004 MA24 Ready-to-Weld Package	0561000092
Origo MIG 6502c/Origo Feed 3004 MA24 Basic Package	0561000093
Origo MIG 4002c/Aristo Feed 3004 U6 Ready-to-Weld Package	0561000064
Origo MIG 4002c/Aristo Feed 3004 U6 Basic Package	0561000065
Origo MIG 5002cw/Aristo Feed 3004 U6 Basic Package	0561000085
Origo MIG 6502c/Aristo Feed 3004 U6 Ready-to-Weld Package	0561000094
Origo MIG 6502c/Aristo Feed 3004 U6 Basic Package	0561000095
Origo MIG 4002c/Aristo Feed 3004 U8 ₂ Plus Ready-to-Weld Package	0561000066
Origo MIG 4002c/Aristo Feed 3004 U8 ₂ Plus Basic Package	0561000067
Origo MIG 5002cw/Aristo Feed 3004 U8 ₂ Plus Basic Package	0561000087
Origo MIG 6502c/Aristo Feed 3004 U8 ₂ Plus Ready-to-Weld Package	0561000096
Origo MIG 6502c/Aristo Feed 3004 U8 ₂ Plus Basic Package	0561000097

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

All Origo MIG machines come with an installed wheel kit and single cylinder tray.

Basic packages include: Origo MIG, wire feeder with .035-.045 in. (0.9-1.2 mm) V Feedrolls, 15 ft. (4.5 m) Spray Master Torch. Use Basic packages to make extended reach packages.

RTW (Ready To Weld) packages include: wire feeder with .035-.045 in. (0.9-1.2 mm) V-groove feedrolls, 5.5 ft. (1.7 m) connection set, V450 15 ft. (4.5 m) torch, 15 ft. (4.5 m) work cable with clamp, and regulator/flowmeter.

Options & Accessories	
Description	Part Number
WeldCloud Mobile Back Pack*	0464550880
Air filter	0349302252
Electrode holder assembly, 300 A, 15 ft. (4.5 m)	21226
Strain relief for interconnection cables	0349311700
Remote control MTA1 CAN	0459491880
Remove control AT1 CAN	0459491883

*Requires W8₂ and U8₂ Plus.

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Connection Cable Sets (1-required)	
Description	Part Number
Connection cable set, air-cooled torches, 5.5 ft. (1.7 m) 10-P Amphenol	0349312450
Connection cable set, air-cooled torches, 16.4 ft. (5 m) 10-P Amphenol	0349312451
Connection cable set, air-cooled torches, 33 ft. (10 m) 10-P Amphenol	0349312452
Connection cable set, air-cooled torches, 50 ft. (15 m) 10-P Amphenol	0349312453
Connection cable set, air-cooled torches, 82 ft. (25 m) 10-P Amphenol	0349312454
Connection cable set, water-cooled torches, 5.5 ft. (1.7 m) 10-P Amphenol	0459528790
Connection cable set, water-cooled torches, 16.4 ft. (5 m) 10-P Amphenol	0459528971
Connection cable set, water-cooled torches, 33 ft. (10 m) 10-P Amphenol	0459528972
Connection cable set, water-cooled torches, 50 ft. (15 m) 10-P Amphenol	0459528793
Connection cable set, water-cooled torches, 82 ft. (25 m) 10-P Amphenol	0459528794

Compatible Wire Feeders

Aristo Feed 4004HD



U6



U8₂ Plus

Aristo Feed 3004



MA25



U6



U8₂ Plus

Origo Feed 3004



MA23



MA24



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