



Origo™ Mig C3000i/L3000i & Origo™ Feed L3004

High performance MIG machines with QSet™ function for stable short arc in no time

The professional user's best option for general applications up to 300A

Origo™ Mig C3000i and L3000i are professional user's ideal system for general applications up to 300A. Exceptional value with excellent weld quality and ease of use.

Origo™ Mig C3000i and L3000i are CC/CV machine for operating both MIG and MMA welding

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

Feeding system for all applications

The power sources are optimised to operate together with the wire feed system Origo™ Feed L3004 . The compact version has the feeder build in the power source. With separate version connection cables up to 15 m provides a wide working radius and together with all standard accessories as wheel kit, lifting eye it's provide full flexibility.

The TrueArcVoltage System

In combination with an ESAB PSF torch, guarantees that you weld with the correct arc voltage independent of any voltage drop in the welding cables. This means that you will get the same arc voltage and weld result either you have a set-up with short connection cable and 3m gun or a set-up with 15 meter working radius.

Basic Mig settings

Origo™ Mig C3000i and L3000i is equipped with an easy to set Man Machine Communication panel with the basic function for MIG welding. Together with the inverter technology is the ideal solution to always get the best welding result.



QSet™– Stable short arc in no time

The MA23A panel version has an unique setting of welding parameter in short arc.

Simply set the wire feed speed and the QSet™ will automatically select the correct welding parameters for the required wire/gas combination. QSet™ does this for all valid gas and wire combinations, CO₂ and MAG Brazing alike and without any need of synergic lines.

QSet™ is a new quick way to find optimised welding parameters for the best quality weld. Spatter is reduced to a minimum.

It is simple and straightforward to set a new working point with QSet™. Only change wire feed speed to match the required welding power and then QSet™ will select all other parameters for an optimised welding result in the whole short arc area.

All this with only one knob control.

Applications

- **Auto-repair**
- **Light metal fabrication**
- **Transport**
- **Education**
- **Household and furniture**
- **Tack welding**

- **Perfect** for whenever a fully featured but compact machine is needed
- **Totally** new design - compact and low weight
- **Excellent** user functionality from simplified panel layout
- **Simply** set the wire feed speed and the QSet™ automatically selects the correct welding parameters for the required wire/gas combination

Technical data

	Mig L3000i	Origo™ Mig C3000i	Origo™ Feed L3004
Mains Voltage, V, Hz	400, 3-50/60	400, 3-50/60	
Fuse slow, A	16	16	
Mains cable, mm ²	4x2.5	4x2.5	
Wire feed speed, m/min		0.8-25.0	0.8-25.0
Setting range MMA, A	16-300	16-300	
Permitted load MIG, 40 °C			
at 35% duty cycle, A	300/29 V	300/29 V	
at 60% duty cycle, A	240/26 V	240/26 V	
at 100% duty cycle, A	200/24 V	200/24 V	
Open circuit voltage, V	70-80	70-80	
Energy save mode (400V), W	30	30	
Input power, kW	10.4	10.4	
Apparant power, kVA	11.9	11.9	
Power factor at maximum current	0.7	0.7	
Efficiency at maximum current, %	84	84	
Control voltage, V, Hz	42, 50/60	42, 50/60	
Dimensions l x w x h, mm	625x250x420	625x410x420	690 x 275 x 420
Wire spool capacity, kg	18	18	18 (30**)
Max. spool diameter, mm		300	300 (440**)
Setting data			
Wire dimensions:			
steel		0.6-1.2	0.6-1.2
stainless steel		0.6-1.2	0.6-1.2
aluminium		1.0-1.2	1.0-1.2
cored wire		0.8-1.2	0.8-1.2
Enclosure class	IP 23C	IP 23C	IP 23C
Operating temperatur, °C	-10 to +40	-10 to +40	-10 to +40
Insulation class (main trafo.)	H	H	
Weight, kg	26	38	15
Application class	S	S	S
Standards	IEC/EN 60974-1, -10	IEC/EN 60974-1,-5, -10	IEC/EN 60974-5,-10
Water cooling unit:			
Cooling capacity, W, l/min			
Coolant volume, l	1600		
Max flow, l/min	4.2		
Max pressure, 50/60 Hz bar	4		
Weight, kg	3/3.8		
	19/23		



Wear parts 30L-4i / L3004

Wire Ø mm	Wire type	1 Feed roller	2 Inlet nozzle	3 Intermedia te nozzle	4 Outlet nozzle	Groove type	! Marking
0.6 / 0.8	Fe, Ss, C	459052-001	455049-001	455072-002	469837-880	V	0.6 S2 & 0.8 S2
0.8 / 0.9-1.0	Fe, Ss, C	459052-002	455049-001	455072-002	469837-880	V	0.8 S2 & 1.0 S2
0.9-1.0 / 1.2	Fe, Ss, C	459052-003	455049-001	455072-002	469837-880	V	1.0 S2 & 1.2 S2 *
0.9-1.0 / 1.2	C	458825-001	455049-001	455072-002	469837-880	V-K	1.0 R2 & 1.2 R2
0.8 / 0.9-1.0	Al	458824-001	455049-001	456615-001	469837-881	U	0.8 A2 & 1.0 A2
1.2 / 1.6	Al	458824-003	455049-001	456615-001	469837-881	U	1.2 A2 & 1.6 A2 **
C=cored wire						K=knurled groove	

* Equipped as standard

** 1.6 =NA

Interconnection cables:

	Air cooled torches
1,7 m	0456 528 580
5,0 m	0456 528 581
10,0 m	0456 528 582
15,0 m	0456 528 583
25,0 m	0456 528 883
35,0 m	0456 528 889

	Water cooled torches
	0456 528 590
	0456 528 591
	0456 528 592
	0456 528 593
	0456 528 888
	0456 528 889

Ordering information

Origo™ Mig L3000i & Origo™ Feed L3004 MA23, Encl.	
incl PSF 305 3m and connection set 1,7m	0459 795 880
Origo™ Mig L3000i & Origo™ Feed L3004 MA23A, Encl.	
incl PSF 305 3m and connection set 1,7m	0459 795 881
Mig L3000i	0459 740 880
Origo™ Feed L3004 MA23 Encl	0459 116 587
Origo™ Feed L3004 MA23A Encl	0459 116 588
Origo™ Feed L3004w MA23 Encl	0459 116 597
Origo™ Feed L3004w MA23A Encl	0459 116 598
Origo™ Mig C3000i MA23, incl PSF 305 4,5 m	0459 750 880
Origo™ Mig C3000i MA23A, incl PSF 305 4,5 m	0459 750 881

Accessories:

Trolley 2-wheel	0459 366 890
Trolley 4-wheel	0460 060 880
CoolMidi 1800	0459 840 880
Remote control MTA 1 CAN	0459 491 880
Remote control M1 10 Prog. CAN	0459 491 882
Remote control AT1 CAN	0459 491 883
Remote control AT1 CourseFine CAN	0459 491 884

Interconnection cables:

5 m	0459 554 880
10 m	0459 554 881
15 m	0459 554 882
25 m	0459 554 883

Accessories Origo™ Feed :

Wheel kit	0458 707 880
Strain relief for welding torch	0457 341 881
Strain relief for connection cables	0459 234 880
Lifting eye	0458 706 880
Quick connector Marathon Pac™	F102 440 880
Adapter for 5 kg:s spool	0455 410 001
Adapter for spool diameter 440 mm	0459 233 880**
Spool cover, steel	0459 431 880
Remote adapter kit MXH™ PP (Feed L3004)	0459 681 881
Remote adapter kit MXH™ PP (Mig C3000i)	0459 681 891

Delivery content MIG L3000i:

5 m mains cable incl plug and return cable 5 m incl earth clamp.

Delivery content Origo™ Mig C3000i:

5 m mains cable incl. plug, 5 m return cable incl. earth clamp, 2 m gas hose, 2 hose clamps and 1 quick connector female.

ESAB reserves the right to alter specifications without prior notice
ESAB is approved according to ISO 9001:2000



ESAB AB

Herkulesgatan 72, 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