



Aristo™ Mig C3000i/L3000i & Aristo™ Feed L3004

High performance MIG machines for medium industrial applications

The ideal system for the professional user working with advanced applications up to 300A Aristo™ Mig C3000i and L3000i are ideal partners when it comes to efficient production or prefabrication of high alloyed materials with a very high demand on the welding performance.

Aristo™ Mig C3000i and L3000i allow the choice of the following processes; MIG/MAG, pulse MIG and MMA. The choice of welding process will determine the selection of the control panel.

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.

Feeding system for all applications

The power sources are optimised to operate together with the wire feed system Aristo™ Feed L3004 . The compact version has the feeder build in the power source. With optional extended connection cables of up to 35m, plus standard accessories such as wheel kits and the lifting eye, the Aristo™ Mig becomes a highly flexible package.

The TrueArcVoltage System™

By combining an Aristo™ Mig with an ESAB PSF™ torch, you are guaranteed a 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 using a package with a 35m working radius as you would with a package with short connection cables and a 3m torch.

Synergic lines and pulsed welding

The user-friendly MMC panel MA6 provides the Aristo™ Mig C3000i and L3000i with ESAB's data bank of synergic lines. It also provides basic pulsed welding, needed for almost all Mig applications.

Applications

- **Advanced mild and stainless steel fabrication**
- **Advanced aluminium fabrication**
- **Prefabrication for offshore and shipbuilding**
- **Production of white goods**
- **Process plants**
- **Aluminium vehicles**
- **Nuclear & Aerospace**
- **QA Applications**
- **Prefabrication of Ni based material**



Aristo™ U8 for advanced applications

The Aristo™ U8 provides a quick access to synergic setting. More than 100 pre-programmed synergic lines for wire diameters up to **1.2 mm** are available. Welding based on pre-programmed synergic data reduces the preparation needed before start up to a minimum.

The memory also provides additional functionality. The capacity to store up to 255 welding parameters which can be recalled when ever needed. A number of soft buttons with flexible functions provide direct access to Hot start, crater fill, 2/4-stroke etc.

- **Reliable and smooth weld starts and stops** supported by efficient Hot-start and crater fill functions
- Efficient Man Machine Communication by the user-friendly control panel **MA6** or the pendant **Aristo™ U8**
- **Wide range** of pre-programmed **synergic lines**. Aristo™ U8 provide the facility to define and store customized synergic lines for any material and gas combinations
- **Memory** for 10 (MA6) or 255 (Aristo™ U8) welding parameters
- **ESAB LogicPump ELP**, secures automatic start of water pump when connecting a PSF water cooled welding torch.
- **TrueArcVoltage System™**, measures the correct arc voltage value independent of the length of the connection cable, return cable or PSF™ welding torch

Technical data

	Mig L3000i	Aristo™ Mig C3000i	Aristo™ 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 rangeMMA, 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 lxxwxxh, mm	625x250x420	625x410x420	690 x 275 x 420
Wire spool capacity, kg		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, -10	IEC/EN 60974-5,-10
Water cooling unit:			
Cooling capacity, W, l/min		1600	
Coolant volume, l		4.2	
Max flow, l/min		4	
Max pressure, 50/60 Hz bar		3/3.8	
Weight, kg		19/23	



Ordering information

Mig L3000i	0459 740 880
Aristo™ Feed L3004, MA6 Encl	0458 806 586
Aristo™ Feed L3004w, MA6 Encl	0458 806 596
Aristo™ Feed L3004, Encl	0458 806 581
Aristo™ Mig C3000i, MA6	0459 750 882
Aristo™ U8, complete incl. holder	0456 290 981
Control cable extension 5 m	0456 280 881
Control cable extension 10 m	0456 280 882
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
Remote interconnection cables:	
5 m	0459 554 880
10 m	0459 554 881
15 m	0459 554 882
25 m	0459 554 883
Accessories Aristo™ 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
Connection kit MXH™ PP (Feed L3004 and Mig C3000i)	0459 020 883
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 5 m return cable incl earth clamp.

Delivery content Aristo™ Mig C3000i MA6:

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.

Interconnection cables and torches

	Air cooled torches	Water cooled torches
1,7 m	0456 528 580	0456 528 590
5,0 m	0456 528 581	0456 528 591
10,0 m	0456 528 582	0456 528 592
15,0 m *	0456 528 583	0456 528 593
25,0 m *	0456 528 883	0456 528 888
35,0 m *	0456 528 884	0456 528 889

* Mig pulsing with, current and return cable parallel, from 15 m

Recommended torches/PushPull guns:

PSF™ 305 3.0m	0458 401 880
PSF™ 305 4.5m	0458 401 881
PSF™ 410w 3.0m	0458 400 882
PSF™ 410w 4.5m	0458 400 883
PSF™ 410w RS3 3.0m*	0458 400 898
PSF™ 410w RS3 4.5m*	0458 400 899
MXH™ 300 PP 6.0m*	0700 200 017
MXH™ 300 PP 10.0m*	0700 200 018
MXH™ 400w PP 6.0m *	0700 200 015
MXH™ 400w PP 10.0m *	0700 200 016

* Remote adapter kits 0459 681 881 (Feed L3004) or 0459 681 891 (Mig C3000i) are compulsory for RS3, connection kit 0459 020 883 can be used for MXH™, but with limited functionality.

Wear parts L3004

Wire Ø mm	Wire type	1 Feed roller	2 Inlet nozzle	3 Intermediate 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

* Equipped as standard
** 1.6=NA



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

