



# MIG Equipments

## Origo & Aristo series

### Robust and powerful

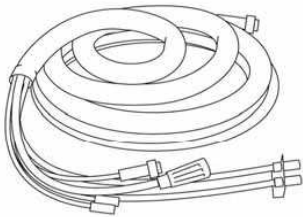
Origo™/ Aristo™Mig are ideal partners when it comes to efficient production or prefabrication of high alloyed materials with a very high demand on the welding performance. The power sources are compact and sturdy pieces of equipment with a chassis made of robust material that withstands rough treatment. The power sources are based on inverter IGBT technology that provides reliable equipment with outstanding welding characteristics. The control and communication CAN-bus system means fewer cables, which in turn increases operational reliability. The patented ESAB Logic Pump ELP, automatically starts the cooling water pump when needed.



Technical Data	MIG C3000i	MIG 3001i	MIG 4001i	Mig U4000i	Mig U5000i / Mig5000i
Mains voltage V, Hz	3 x 400, 50	3 x 400, 50	3 x 400, 50	3 x 400, 50	3 x 400, 50
Fuse, slow A	16	16	20	25	35
Setting range A MIG / MAG	16-300	16-300	20-400	16 - 400	16 - 500
- MMA	16-300			4 - 400	16- 500
- TIG	-	4-300	4-400	4 - 400	4 - 500
Permitted load MIG / MAG at					
35% duty cycle A/V	300/29V	300/29,0	400/34	400/36	-
60% duty cycle A/V	240/26V	240/26,0	320/30	320/33	500
100% duty cycle A/V	200/24V	200/24,0	250/26.5	250/30	400
Open circuit voltage V	70-80	67	91	55-90	68-88
Open circuit power W	30	30	60	60	50
Dimensions lxwxh, mm	625x410x420	652x249x423	652x249x423	625 x 394 x 476	625 x 394 x 476 / 496
with cooling unit lxwxh, mm	-	714x249x693	714x249x693	625 x 394 x 776*	625 x 394 x 776*
Weight with cooling unit kg -	38	33 ( 53.5)	43.5 (63.5)	63.5/80*	71/80*
Insulation class	H	H	H	H	H
Enclosure class	IP 23C	IP 23	IP 23	IP 23	IP 23
Application class	S	S	S	S	S
Standards	IEC/EN 60974-1,-10	IEC/EN 60974-1,-10	IEC/EN 60974 -1,-10	IEC/EN 60974 -1,10	IEC/EN 60974 -1,10
Water cooled version/ Add-on unit	CoolMidi 1800	3001iw	4001iw	U4000iw	U5000iw 5000iw
Wire feeder 4-roll	Built-in	External	External	External	External
	0.8-25.0 m/min	Feed 3004 /Feed 4804	Feed 3004 /Feed 4804	Feed 3004/ Feed 4804	Feed 3004/ Feed 4804
Panels	MA6	MA23/MA24 U6 / U8	MA23/MA24 U6 / U8	MA23/MA24 U6 / U8	MA23/MA24 U6 / U8
Order code	1620607273	1620607501	1620607507	1620607192	1620607168 1620607195
With cooler (iw version)	-	-	1620607509	1620607193	1620607194 1620607196
Remote control (cable sepearte)	MTA1	MTA1	MTA1	MTA1	MTA1



4 Roll wire drives	Feed 3004	Feed 4804	Panel (MMC) functions	U6	U82 plus	MA 23	MA 24
Power supply. Vac. Hz	42, 50/60	42, 50(60	Q-Set™	X	X		X
Max spool capacity, kg	18 (30**)	18 (30**)	2/4 stroke	X	X	X	X
Max. spool diameter mm	300 (440**)	300 (440**)	Crater filling	X	X		X
Wire feed speed. m/mm	0.8-25.0	0.8-25.0	Creep start	X	X		X
Dimension (Encl) l x w x h mm	690x 275 x420	690 x275x420	Hot start / adjustable burn-back time	X	X		
Weight, kg Enclosed	15	19	Gas pre/post flow	X	X	X	X
Wire dimensions: mm dia			Digital V/A meters	X	X	X	X
steel	0.6-1.6	0.6-2.4	Pre-programmed synergic lines	X	X (> 100)		X
stainless steel	0.6-1.6	0.6-2.4	Gas purge/ wire inching	X	X	X	X
aluminium	1.0-1.6	1.0-2.4	Memory 3 set			X	X
cored wire	0.8-1.6	0.8-2.4	Memory 10 set	X			
Order code for MMC panel			Memory 255 set		X		
Aristo™ U82	1620607516	1620607520	Pulse/synergic pulse	X	X		
Origo™ MA23	1620607517	1620607521	Create synergic lines		X		
Origo™ MA24	1620607518	1620607522					
Aristo™ U6	1620607519	1620607523					
For water cooled torches							
Aristo™ U82-w	1620607541	1620607545	<b>CONN. SET CAN</b>				
Origo™ MA23-w	1620607542	1620607546	<b>Gas cooled 70mm2 10p</b>				
Origo™ MA24-w	1620607543	1620607547	<b>Water Cooled 70mm2 10p</b>				
Aristo™ U6-w	1620607544	1620607548	<b>5000i &amp; iw 95mm2 12-10p</b>				
Aristo pendant U82 plus	1620607611	1620607611	<b>1.7M</b>	1620607531	1620607551	1620607561	
			<b>5M</b>	1620607532	1620607552	1610607562	
			<b>10M</b>	1620607533	1620607553	1610607563	
			<b>15M</b>	1620607534	1620607554	1610607564	
			<b>25M</b>	1620607535	1620607555	1610607565	
			<b>35M</b>	1620607536	1620607556	1610607566	



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