

I yes pulse. fitted.



Aristo 320/450

Inverter power source - for total flexibility

- True multi-process machines
- Hot start /crater fill
- PC Memory card
- Functions for production statistics and quality monitoring
- Wide range of preprogrammed synergic lines. Possibility to make own
- Advanced - yet easy to set

The Aristo 320 and 450 power sources are members in the Aristo 2000 system. They are robust, reliable, powerful, energy-saving units with excellent welding performance.

The Aristos allow you the choice of the most used processes; MIG/MAG, MMA, DC-TIG or carbon arc gouging.

The Aristo power sources has already more than 140 preprogrammed synergic lines based on ESAB's long experience of the welding process. It can be used with all weldable materials in a wide range of thicknesses, from low alloyed material to Super Duplex. On top of that it is possible to make own customized synergic lines and store them in the memory. Features as pulsing, hot start and crater filling ensures perfect welding results even at difficult to weld material such as copper and aluminium.

The Aristo 2000 system stands for total flexibility. This means that the Aristo power sources can be fitted with any one of the products from a wide range of optional extras, such as welding guns, push pull guns, TIG torches, wire feeders, intermediate feeders, double feeders, counter balances, suspension devices and a wide range of different extension cables.





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The control box

It has never been easier to set the parameters on a multi-process power source than this. Just choose your suitable synergic line, set the wire feed speed and weld! In the memory there is space to store 95 different parameter set-ups, just recall them when ever you need them. A number of soft buttons with flexible functions gives direct access to hot start, crater fill, 2/4-stroke etc. The large display gives a good overview. The built-in functions for production statistics and quality monitoring allows you to follow up quality and production rates.

The PC memory card

The PC memory card can store all your welding data and can be transferred from one machine to another for total control of production quality, perfect solution for continuous shift work. In the future - use the PC card to update your power source to the latest program versions.

Technical data		LUD 320	LUD 450
Mains supply	V/Hz	400/50/60	400/50/60
Fuse slow	A	16	20
Mains cable	Ø mm ²	4	4
Max output			
at 45% duty cycle	A/V		450/38
at 60% duty cycle	A/V	320/32,8	425/37
at 100% duty cycle	A/V	270/30,8	360/34,4
Current range, MIG/MAG	A	15/8 V-320	15/8 V-450
Current range, MMA DC	A	16-320	16-450
Current range, TIG DC	A	4-320	4-450
Open circuit voltage, MIG/MAG	V	65-80	65-80
Open circuit voltage, MMA/TIG	V	50-60	50-60
Power factor at max output		0,85	0,92
Efficiency at max output		84,5%	83%
Protection class		IP 23	IP 23
Application class			
Standards		IEC 974-1, EN 60974-1, EN 50199	IEC 974-1, EN 60974-1, EN 50199
Dimensions lxxwxh	mm	910x642x835	910x642x835
Weight	kg	96 (water cooling unit + 14kg)	110 (incl water cooling unit)

Delivery content: 5 m of mains cable, guide pin, return lead with clamp, gas bottle shelf

Description	Order no		
LUD 320 MIG/MAG, MMA, 400-415V	0456 600 880		
LUD 320 W MIG/MAG, MMA, 400-415V	0456 600 881		
LUD 320 MIG/MAG, MMA Multi V	0456 600 882		
LUD 320 W Multi V	0456 600 883		
LUD 320 U W 400-415V, TIG, okc connection	0456 600 884		
LUD 320 U W 400-415 V, TIG, central connection	0456 600 885		
LUD 320 U W Multi V, TIG, okc connection	0456 600 886		
LUD 320 U W Multi V, TIG, central connection	0456 600 887		
LUD 450 W MIG/MAG, MMA, 400-415 V	0456 300 881		
LUD 450 W MIG/MAG, MMA, Multi V	0456 300 883		
LUD 450 U W 400-415 V, TIG, okc connection	0456 300 884		
LUD 450 U W 400-415 V, TIG, central connection	0456 300 885		
LUD 450 U W Multi V, TIG, okc connection	0456 300 886		
LUD 450 U W Multi V, TIG, central connection	0456 300 887		
PUA 1 Control box E, G, F, It	0456 290 881		
E, S, Fi, Dan	0456 290 882		
E, Port, Span, Deutch	0456 290 883		
E, Polish, Hungarian	0456 290 884		
Cable 5 m to control box	0456 280 881		
Cable 10 m to control box	0456 280 882		
MEK 4 C Wire feeder, encapsulated	0456 400 880		
MEK 4 C Wire feeder, encapsulated, water	0456 400 881		
MEK 44C Wire feeder	0456 800 880		
MEK 44C Wire feeder, water	0456 800 881		
Double feeder component kit	0457 073 880		
MEK 20 C Yardfeeder, encapsulated	0456 980 880		
MEK 20 C Yardfeeder, encapsulated, water	0456 980 881		
Protection frame to MEK 20 C	0457 203 880		
MLC 30 C Feeder, air, push-pull	0457 040 680		
Flow guard	0456 855 880		
PC interface	0457 072 880		
Extension cable, 1,7 m, 500 A	0456 528 880	Extension cable, 1,7 m, 500 A, water	0456 528 885
Extension cable, 8 m, 500 A	0456 528 881	Extension cable, 8 m, 500 A, water	0456 528 886
Extension cable, 16 m, 500 A	0456 528 882	Extension cable, 16 m, 500 A, water	0456 528 887
Extension cable, 25 m, 500 A	0456 528 883	Extension cable, 25 m, 500 A, water	0456 528 888
Extension cable, 35 m, 500 A	0456 528 884	Extension cable, 35 m, 500 A, water	0456 528 889



*U= Universal: MIG/MAG, MMA, DC TIG

Esab reserves the right to change specifications without notice.



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