

## LAF 635, 1000, 1250, & 1600

DC Power Sources

- Used in conjunction with ESAB PEH Process Controller
- Solid state, SCR-controlled, three phase, fan-cooled DC welding power sources
- Designed for high productivity mechanized submerged arc or MIG welding
- Excellent welding characteristics throughout the entire current and voltage range, with particularly good starting and re-ignition properties
- Extremely efficient power usage saves on power costs
- Thermal overload protection
- Extend current range by connecting two power sources in parallel



### Ordering Information

LAF 635.....	0457 350 880
LAF 1000.....	0456 321 881
LAF 1250.....	0456 323 880
LAF 1600.....	0456 324 880

### Options and Accessories

Cable kit, complete*, 15 meters.....	0000 970 800
Cable kit, complete*, 25 meters.....	0000 970 801
Cable kit, complete*, 35 meters.....	0000 970 802
Cable kit, complete*, 50 meters.....	0000 970 803
EPROM TAF-LAF.....	0486 525 880
Parallel kit.....	0808 573 880

\* Cable kit includes: welding cable 2x95 mm<sup>2</sup>, return cable 2x95 mm<sup>2</sup> (5 meters length), control cable, air hose

Control cable only, 15 meters.....	0449 449 880
Control cable only, 25 meters.....	0449 449 881
Control cable only, 35 meters.....	0449 449 882
Control cable only, 50 meters.....	0449 449 883

Technical Data	LAF 635	LAF 1000	LAF 1250	LAF 1600
Voltage, 3 ph 60 Hz, V	440	400/440/550	400/440/550	400/440/550
Current A 100%, 60 Hz	52	64/64/52	99/99/80	136/136/108
Fuse, slow A 60 Hz	63	63	100/100/80	160/160/125
<b>Maximum load at:</b>				
100% duty cycle A/V	630/44	800/44	1250/44	1600/44
60% duty cycle A/V	800/44	1000/44	-	-
<b>Setting range A/V</b>				
MIG/MAG	50/17-630/44	50/17-1000/45	60/17-1250/44	-
SAW	30/21-800/44	40/22-1000/45	40/22-1250/44	40/22-1600/46
Open circuit voltage, V	54	52	51	54
Open circuit power, W	150	145	220	220
Efficiency	0.84	0.84	0.87	0.86
Power factor	0.90	0.95	0.92	0.87
Enclosure class	IP23	IP23	IP23	IP23
Dimensions (LxWxH), mm	670x490x930	646x552x1090	774x598x1428	774x598x1428
Weight, kg	260	330	490	585
Application class	S	S	S	S

The symbol S indicated that the welding power source may be used in areas with an increased electrical hazard, i.e. areas where the electrical hazard is increased due to damp and/or the proximity to earthed metal objects. Equipment marked IP23 is designed for indoor and outdoor use.

\* Primary cable not included.

Instruction Manual LAF 635 Power Source, order number ..... 0457795101  
 Instruction Manual LAF 1000 Power Source, order number ..... 0456512001  
 Instruction Manual LAF 1250/1600 Power Source, order number ..... 0456511001  
 Sales Literature LAF Power Source, order number ..... XA00090920

## TAF 800 & 1250

AC Power Sources

- Used in conjunction with ESAB PEH Process Controller
- Solid state, SCR-controlled, three phase, fan-cooled AC welding power sources
- Square wave AC output, no arc blow
- Capacity for continuous welding
- Arc voltage or current feedback
- Optimized open circuit voltage
- Extremely efficient power usage saves on power costs
- Prepared for Scott connection of two power sources



### Ordering Information

TAF 800 .....0456 325 880  
 TAF 1250 .....0456 326 880

### Options and Accessories

Cable kit, complete\*, 15 meters .....0000 970 800  
 Cable kit, complete\*, 25 meters .....0000 970 801  
 Cable kit, complete\*, 35 meters .....0000 970 802  
 Cable kit, complete\*, 50 meters .....0000 970 803  
 EPROM TAF-LAF .....0486 525 880

\* Cable kit includes: welding cable 2x95 mm<sup>2</sup>, return cable 2x95 mm<sup>2</sup> (5 meters length), control cable, air hose.

Control cable only, 15 meters .....0449 449 880  
 Control cable only, 25 meters .....0449 449 881  
 Control cable only, 35 meters .....0449 449 882  
 Control cable only, 50 meters .....0449 449 883

Technical Data	TAF 800	TAF 1250
Voltage, 3 ph, 60 Hz	400/440/550	400/440/550
<b>Maximum load at:</b>		
100% duty cycle A/V	800/44	1250/44
60% duty cycle A/V	1000/44	1500/44
Setting range A/V	300/28-800/44	400/28-1250/44
Open circuit voltage, V	71	72
Open circuit power, W	230	230
Efficiency	0.86	0.86
Power factor	0.75	0.76
Enclosure class	IP23	IP23
Dimensions (LxWxH), mm	774x598x1428	774x598x1428
Weight, kg	495	608
Application class	S	S

The symbol S indicated that the welding power source may be used in areas with an increased electrical hazard, i.e. areas where the electrical hazard is increased due to damp and/or the proximity to earthed metal objects. Equipment marked IP23 is designed for indoor and outdoor use.  
 \*Primary cable not included.