



POWER SOURCES FOR AUTOMATIC WELDING HEADS

ESAB automatic welding equipment consists of a completely integrated series of automatic welding power sources for submerged arc and MIG/MAG welding as well as for carbon arc gouging.

Rectifiers (DC)

The ESAB LAH and LAE range of constant voltage, thyristor controlled automatic welding rectifiers from 500A to 1600A are fully integrated with the programmable control unit for the A6 and A2 series. Ideal for use in the workshop or on site.

The TAE 800 and 1250 introduce a new technique. Using thyristor technology the square wave welding transformers have a very comprehensive standard specification and features for a wide range of welding applications.

- Capacity for continuous welding
- Presetting of arc voltage
- Reliable Square wave striking
- Arc voltage or current Feed back
- Optimized open circuit voltage
- Compensation of mains voltage fluctuation
- Voltage drop compensation for long welding cables
- High power factor ensuring low power consumption
- Designed and built for convenient servicing
- Safety control voltage 32 V.
- Prepared for Scott connection of two power sources



Technical Data	LAH 500	LAH 630	LAE 800	LAE 1250	LAE 1600
Welding Current (100%) (A)	400	500	800	1250	1600
Welding Voltage (V)	16/34	17/39	17/44	24/44	24/44
Max OCV (V)	50	52	61	55	55
Current range (A)	75-400	75-500	75-800	250-1250	300-1600



Technical Data	TAE 800	TAE 1250
Mains Voltages	400/415/440 460/500 2-Phase 50Hz	400/415/440 460/500 2-Phase 50Hz
	400/460/480 525/550 2-Phase 60Hz	400/460/480 525/550 2-Phase 60Hz
Range (A)	300 - 1000	400 - 1500
OCV (V)	70 (V)	70 (V)



FLUX HANDLING EQUIPMENT

Flux Recovery Unit Type OPC

OPC is a highly efficient flux recovery unit which contributes considerably to profitable welding. It is compact in design, light, handy and in addition, easily fitted and used.

The OPC Flux Recovery Unit can be used for both A2 and A6 automatic welding heads of either static or propelled type.

Flux Feed and Recovery System Type FFRB

FFRB is a complete flux feeding and recovery system for heavy production stations or SAW in confined spaces. The system is built up around a compressed air flux feeder and a motor powered flux recovery unit.

Recirculating Flux System Type FFRC

The FFRC is a complete recirculating system for continuous welding. The system is based on a compressed air flux feeder and recovery unit OPC. FFRC is of compact design and easily fitted and used.

Iron Powder Feeder Type A6 OGA

Submerged arc welding with the addition of iron powder is a way to further increase the productivity of an already efficient welding method. The A6 OGA is an Iron Powder Feeder which can be used together with any of ESAB's submerged arc welding units. It is easily connected to the welding equipment and comes complete with a control box for the setting of feed rate.

