



SAW Power Source

Welding Rectifier

GTH 802

Welding rectifier (thyristor controlled) with constant-voltage characteristic up to 800 A for Submerged-arc welding. Suitable especially for mechanised, semi-automated and automated welding processes in connection with Kjellberg welding automats of the KA series (also with optional interface for external control). For the heaviest application in tank and boiler construction, bridge construction, shipbuilding and industrial building.



Characteristics:

- Welding voltage steplessly adjustable
- Constancy of the adjusted welding values of $\pm 1\%$ at mains voltage fluctuations of $\pm 10\%$ and at internal temperature variations, therefore excellently suitable for extremely long welding seams at big workpieces
- Emergency-stop switch
- Galvanic separation of control circuits from power circuits
- Pre-set control circuit for welding tractors
- Good ignition properties, very smooth arc for a stable welding process
- Digital display for welding current and welding voltage (switch-over)
- Integrated phase shifting capacitor for 63 A connection
- Remote controls and contactless remote switch for high switching frequencies by means of the welding automats possible
- Undercarriage: steering rollers and wheels
- With 4 lifting eyes
- Dust-proof electronics

Options:

- Interface for external control (robot, guiding system, etc.)



Technical Data:

Mains voltage	3 x 400 V (±10 %), 50 Hz
Connecting power at 100 % d. c.	31.7 kVA
Fuse, slow (B characteristic)	63 A
Welding current range	80 A/18 V - 800 A/44 V
80 % d. c.	800 A
100 % d. c.	720 A
Open-circuit voltage max	65 V
Protection class	IP 22
Weight	319 kg
Dimensions L x W x H (mm)	900 x 720 x 1,000 (with double-axle undercarriage and handle bar)

EN 60974-1, VDE 0544, BGV D1 and CE sign, produced according to DIN EN ISO 9001
S sign, applicable to welding jobs at work places with increased electrical endangerment