



SAW Power Source

Welding Rectifier

GTH 1402

Welding rectifier (thyristor controlled) for submerged-arc welding up to 1,400 A direct current at permanent operation with constant-voltage characteristic, suitable especially for mechanised, semi-automated and automated welding processes in connection with Kjellberg welding automates of the KA series. For the heaviest application in tank and boiler construction, bridge construction, shipbuilding and industrial building.



Characteristics:

- Stationary operation
- Welding current steplessly adjustable
- Remote control and contactless remote switch for high switching frequencies by means of the welding automates
- 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 large workpieces
- Excellent ignition properties
- Very smooth arc for a stable welding process
- Large analogue displays separate for welding current and welding voltage
- Remote control connection for various remote controls
- Two parallel welding cable connections M16 each
- 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.	83.8 kVA
Fuse, slow (B characteristic)	125 A
Welding current range	100 A/19 V - 1,400 A/44 V
80 % d. c.	1,400 A/44 V
100 % d. c.	1,200 A/44 V
Open-circuit voltage max	65 V
Protection class	IP 21
Weight	440 kg
Dimensions L x W x H (mm)	1,110 x 820 x 1,000

EN 60974-1, VDE 0544, VBG 15 (UVV 26.0) and CE sign, produced according to DIN EN ISO 9001
S sign, applicable to welding jobs at work places with increased electrical endangerment