

# HOT ROD 500S

## The tough and powerful professional welder

The constant current welding rectifier HOT ROD 500-S is a three phase heavy duty power source with a current range of 50-625A. This machine is fan cooled and enclosed in a rigid case with removable side panels for convenient servicing, and on a frame suitable for stacking up to three machines. The control circuit compartment is totally potted for complete protection and located behind an inspection panel for easy access. The unit is completely weatherproof and designed for extreme environmental conditions. Whether using mild steel, low hydrogen, stainless steel or hardfacing electrodes, the HOT ROD 500-S produces a smooth, quality arc for consistent results day-in day-out. If you need a reliable machine for arc air gouging, the HOT ROD 500S can help you do that too.

### Features

- Excellent arc characteristics for a wide range of electrode types.
- Maximum output of 625A allows the use of electrodes up to 6.3mm and air carbon gouging with 8mm electrodes.
- Compatible with rutile, basic and cellulosic electrodes.
- Stackable case design with built-in lift hook allows easy storage and handling.
- Submersion dipped transformer assembly and fully potted Power Circuit Board for added corrosion and moisture protection.
- Input voltage compensation for constant output.
- Thermostatic overload protection.



### Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
HOT ROD 500S	K14089-1	380/415V/3Ph	50-625	600A/44V/35%	63	203	795 x 566 x 813	IP23 / H
	K14089-2	220/380/400V/3Ph		375A/35V/100%				



#### Processes

- Stick
- Gouging
- TIG

#### Recommended Consumables

- **Steel**  
Pantafix®, Omnia® 46; Baso® G, 120, 48SP
- **Stainless steel**  
Arosta®, Limarosta®, Jungo® 304L, 316L, 309S
- **Hardfacing**  
Wearshield® MM, ME / RepTec

#### Unit Includes

- 5m input cable

#### Key Options

- K10376 Adapter M14/DINSe
- E/H-400A-70-xM Electrode holder, 400A – 70 mm<sup>2</sup> – 5/10 m
- GRD-600A-95-10M Ground cable 600A – 95 mm<sup>2</sup> – 10 m
- K14092-1 48V AC socket (1500W) kit
- K14090-1 A/V meter kit
- FL060180600-L FLAIR 600 Gouging Torch
- K10095-1-15M Remote control – 15m

#### INPUT



#### OUTPUT

