

## ADVANTAGE

- ▶ **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.
- ▶ **Desert rating**  
operating temperature up to 55°C.
- ▶ **Stackable case design**  
with built-in hook. Easy storage and handling.
- ▶ **Submersion dipped transformer assembly and potted power circuit board**  
for added corrosion and moisture protection.
- ▶ **Input voltage compensation**  
for constant output.



## The tough and powerful professional welder

The constant current welding rectifier HOT ROD 500S is a three phase heavy duty power source with a current range of 50-625A.

The basic unit is fan cooled and enclosed in a rigid case on a frame designed for stacking up to three machines, with removable side panels for convenient servicing.

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.

The adjustable Arc Force supports the welder with difficult electrodes by preventing sticking and shorting of the electrode during welding.

Optional remote control enables the welder to adjust the welding current at a distance and during welding.

Look to the HOT ROD 500S power source for your heavy duty stick welding needs. Whether using mild steel, low hydrogen, stainless steel or hardfacing electrodes, the HOT ROD 500S produces a smooth, quality arc for consistent results day-in day-out.

If you need reliable professional arc gouging the HOT ROD 500S can help you to do that too.

# HOT ROD 500S

## TECHNICAL SPECIFICATIONS

| Product      | Item Number | Primary Voltage                   | Fuse Size  | Weight (kg) | Dimensions HxWxD (mm) | Protection/Insulation Class | Compliance                          |
|--------------|-------------|-----------------------------------|------------|-------------|-----------------------|-----------------------------|-------------------------------------|
| HOT ROD 500S | K14089-1    | 380/415V 3Ph<br>50/60Hz +/-10%    | 63A (slow) | 203         | 795 x 566x 813        | IP23 / H                    | EN60974-1<br>EN 50199<br>CE<br>ROHS |
|              | K14089-2    | 220/380/440 3Ph<br>50/60Hz +/-10% |            |             |                       |                             |                                     |

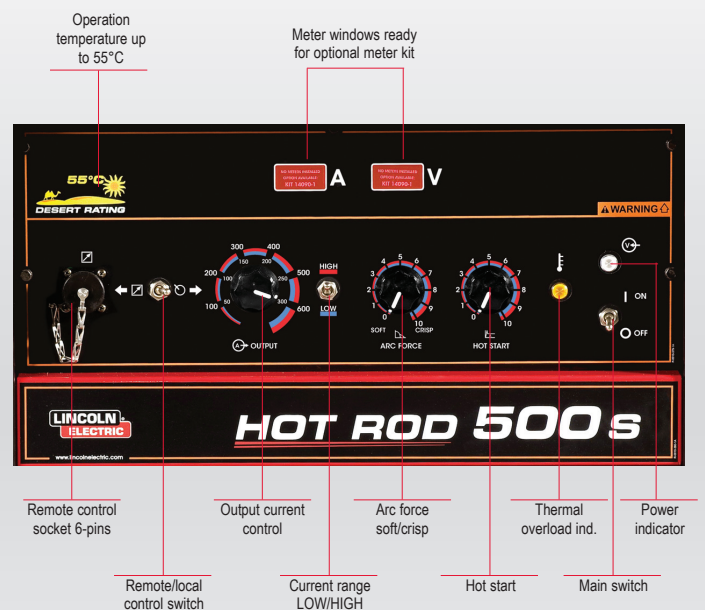
## WELDING OUTPUT

| Product      | Current range | Rated output (40°C) / 55°C | O.C.V.  |
|--------------|---------------|----------------------------|---------|
| HOT ROD 500S | 50-625A       | 35%/25%                    | 65,5Vdc |
|              |               | 60%/35%                    |         |
|              |               | 100%/60%                   |         |

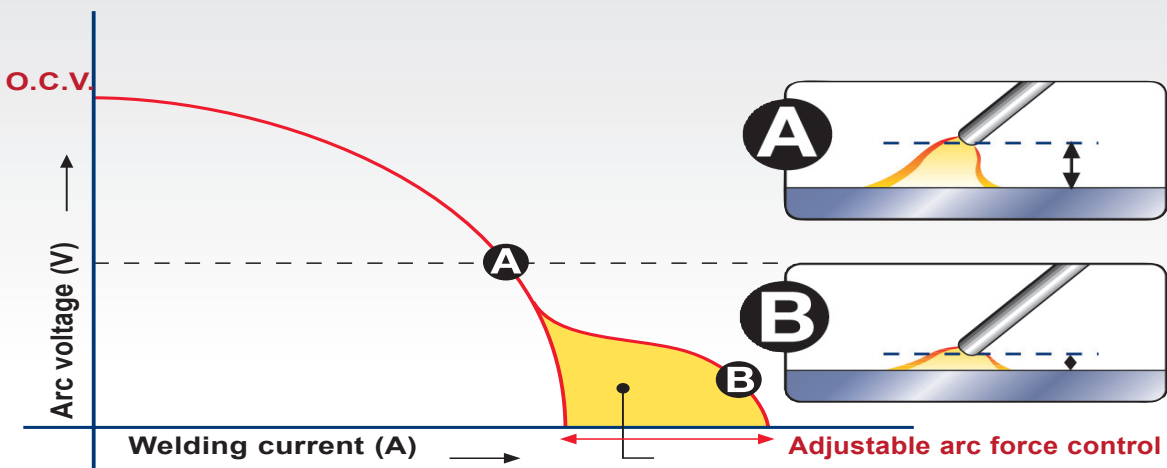
## ACCESSORIES

| Item Number    | Description                                      |
|----------------|--------------------------------------------------|
| K10376         | Adapter M14/DINSe (F)                            |
| E/H-400A-70-xM | Welding cable with electrode holder (x = 5, 10m) |
| GRD-600A-95-xM | Ground cable (x = 5, 10m)                        |
| K10095-1-15M   | Control box, 1 potentiometer, 6 pins, 15m        |
| K10398         | 15m-extension cable for remote ctrl box          |
| K14092-1       | 48Vac socket (1500W) kit                         |
| K14090-1       | A/V meter KIT                                    |

## USER INTERFACE



## ARC FORCE CONTROL



**Belgium:**  
Lincoln Smitweld Belgium  
Tel: +32 54 33 42 12  
e.mail: info@lincolnelectric.eu

**Denmark:**  
Lincoln Electric Nordic  
Tel: +45 86 26 51 00  
e.mail: jtimmer@lincolnelectric.eu

**Finland:**  
Lincoln Electric Nordic  
Tel: +35 8 10 52235 00  
e.mail: jtimmer@lincolnelectric.eu

**France:**  
Lincoln Electric France  
Tel: +33 2 32 11 40 40  
e.mail: info@lincolnelectric.eu

**Germany:**  
Lincoln Electric Deutschland  
Tel: +49 2102 713960  
e.mail: info@lincolnelectric.eu

**Italy:**  
Lincoln Electric Italia  
Tel: +39 010 754 111  
e.mail: info@lincolnelectric.eu

**The Netherlands:**  
Lincoln Smitweld  
Tel: +31 24 3522 911  
e.mail: info@lincolnelectric.eu

**Norway:**  
Sveiseeksperten AS  
Tel: +47 22 08 00 94  
e.mail: info@lincolnelectric.eu

**Poland:**  
Lincoln Electric Bester  
Tel: +48 74 64 61 100  
e.mail: info@lincolnelectric.eu

**Portugal:**  
Electro Arco  
Tel: +351 21 238 7300

**Russia:**  
Lincoln Electric Russia  
Tel: +7 (495) 6609404  
e.mail: russia@lincolnelectric.eu

**Spain:**  
Lincoln Electric Spain  
Tel: +34 93 685 96 00  
e.mail: info@lincolnelectric.eu

**Sweden:**  
Svetskompaniet AB  
Tel: +46 (0) 320 211710  
e.mail: info@lincolnelectric.eu

**UK/ Ireland:**  
Lincoln Electric UK  
Tel: +44 114 287 2401  
e.mail: info@lincolnelectric.eu