**ADVANTAGES**

- Excellent arc characteristics, for a wide range of electrode types.
- Maximum output of 600 amps allows the use of electrodes up to 6.3 mm and air carbon gouging with 8mm electrode.
- Welding capabilities of Rutile, Basic and Cellulosic electrodes.
- Infinitely variable “Arc Force” and “Hot Start”.
- Complete with Volt and Amp analog meter.
- Stackable case design with built-in lift hook allows for easy storage and handling.
- Submersion dipped transformer assembly for added corrosion and moisture protection.
- Input voltage compensation for a constant output.
- Thermostatic overload protection.
- Meet EN60974-1, ROHS and CE standards for safety and reliability.
- Built the Lincoln way ‘RUGGED & RELIABLE’
- Three Year Warranty on parts and labour.

**THE TOUGH AND POWERFUL PROFESSIONAL WELDER**

The constant current welding rectifier Idealarc R3R600-I is a three phase heavy duty power source with welding current range of 75-650 amps. The fan-cooled basic unit is enclosed in a rigid case on a frame dimensioned for stacking up to three high, with removable side panels for servicing. The control circuit compartment is totally enclosed, behind an inspection door with easy access from the front panel. The unit is all-weather protected and the design provides protection against rough handling. Add-on units for GTAW and a remote control allows the equipment to be tailor-made to meet specific application requirements for SMAW and GTAW. Look to the R3R600-I power source for your heavy-duty stick welding needs. Whether you are using mild steel, low hydrogen, stainless steel or hardfacing electrodes, the Idealarc R3R600-I produces a smooth, quality arc for consistent results day-in and day-out. And you want to show off your arc gouging skills? The R3R600-I can help you to do that too!
**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Item Number</th>
<th>Standard Voltage</th>
<th>Fuse</th>
<th>Weight</th>
<th>Dimensions H x W x L</th>
<th>Protection Class</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3R600-I</td>
<td>K1381-25</td>
<td>220/380/440V - 3ph 103/52/32</td>
<td>103A</td>
<td>209KG</td>
<td>700x565x840</td>
<td>IP23F</td>
<td>EN 60974-1 / EN 50199 CE</td>
</tr>
</tbody>
</table>

**WELDING OUTPUT**

<table>
<thead>
<tr>
<th>Current Range</th>
<th>Rated Output DC (40˚C)</th>
<th>O.C.V.</th>
</tr>
</thead>
<tbody>
<tr>
<td>75 - 625A</td>
<td>600A/44V/35%</td>
<td>64Vdc</td>
</tr>
<tr>
<td></td>
<td>500A/40V/60%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>375A/35V/100%</td>
<td></td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10095-1-15M</td>
<td>Remote output ctrl - 15m, 1 potentiometer</td>
</tr>
<tr>
<td>K10124-1-15M</td>
<td>Remote output ctrl - 15m, 2 potentiometers</td>
</tr>
<tr>
<td>K10398</td>
<td>15m-extension cable for remote control box</td>
</tr>
<tr>
<td>K10019</td>
<td>3-wheel site undercarriage</td>
</tr>
<tr>
<td>K841</td>
<td>4-wheel in-plant undercarriage (2 cylinders)</td>
</tr>
<tr>
<td>K10103</td>
<td>Air-gouging electrode holder</td>
</tr>
</tbody>
</table>

**Technical Details**

**ARC FORCE**

- **Adjustable arc force control**
  - **O.C.V.**
    - **Welding current (A)**
    - **Arc voltage (V)**

**WELDING OUTPUT**

- **Item Description**
  - **Number**
  - **Remote control plug**
  - **Local switch**
  - **Welding output**
  - **Arc Force**

**ACCESSORIES**

- **Remote control plug**
- **Local switch**
- **Welding output**
- **Arc Force**

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