## AC225

**Processes**
- Stick

**Product Number**
- K1170
- K1290

<table>
<thead>
<tr>
<th>Input Power (Voltage/Phase/Hertz)</th>
<th>Output Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1170: 230/1/60</td>
<td>K1170: 40-225 Amps (Max OCV: 79V)</td>
</tr>
<tr>
<td>K1290: 220/1/50</td>
<td>K1290: 50-250 Amps (Max OCV: 76V)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated Output (Current/Voltage/Duty Cycle)</th>
<th>Weight/Dimensions (H x W x D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1170: 225A/25V/20%</td>
<td>K1170: 109 lbs. (49.5 kg)</td>
</tr>
<tr>
<td>K1290: 225A/25V/15%</td>
<td>K1290: 108 lbs. (49.0 kg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Input Current @ Rated Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V: 50A</td>
</tr>
<tr>
<td>220V: 63A</td>
</tr>
</tbody>
</table>

**Output Range**
- K1170: 40-225 Amps (Max OCV: 79V)
- K1290: 50-250 Amps (Max OCV: 76V)

**Weight/Dimensions (H x W x D)**
- K1170: 109 lbs. (49.5 kg)
- K1290: 108 lbs. (49.0 kg)

| 24.0 x 17.25 x 12.0 in. (610 x 438 x 305 mm) |

---

### The Time-Tested Original

The AC225 compact stick welder produces an extremely smooth AC arc for welding a wide variety of materials including carbon, low alloy, and stainless steels as well as cast iron.

### FEATURES

- **Easy to install** - Comes with attached input power cable and NEMA 6-50P plug (K1170 only).
- **Easy to operate** - Full range 40-225 amp selector switch quickly sets the welding current and ensures a uniform arc each and every time you weld.
- **Smooth arc** - Makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hard-facing electrodes.
- **225 amp AC output** - Is enough for 3/16 in. (4.8 mm) diameter general purpose mild steel electrodes and 5/32 in. (4.0 mm) sizes of other electrodes.
- **NEMA rated, UL listed and CSA approved.**

### APPLICATIONS

- Home / Farm / Shop
- Repair and Maintenance
- Build-up Welding
- Light Fabrication

---

**WHAT’S INCLUDED**

- Insulated electrode holder and cable
- Heavy duty work clamp and cable
- Input cable with attached plug (K1170 only)

---

**INPUT**

![50 Hz](image1)

**OUTPUT**

![60 Hz](image2)
### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Input Power</th>
<th>Rated Output Current/Voltage/Duty Cycle</th>
<th>Input Current @ Rated Output</th>
<th>Output Range</th>
<th>H x W x D inches (mm)</th>
<th>Net Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC225</td>
<td>K1170</td>
<td>230/1/60</td>
<td>225A/25V/20%&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>50A</td>
<td>40-225 Amps</td>
<td>24.0 x 17.25 x 12.0</td>
<td>109 (49.5)</td>
</tr>
<tr>
<td></td>
<td>K1290</td>
<td>220/1/50</td>
<td>252A/25V/15%</td>
<td>63A</td>
<td>50-250 Amps</td>
<td>24.0 x 17.25 x 12.0</td>
<td>108 (49.0)</td>
</tr>
</tbody>
</table>

<sup>(1)</sup> Except 75 amp setting which can be used continuously for 1 hour.

### RECOMMENDED ACCESSORIES

**Wheel Kit**
Includes axle, two wheels, and assembly hardware. Can be installed in minutes.
Order K761

### Important Safety Note:
This welder is not recommended in electrically hazardous conditions such as: damp locations, while wearing wet clothing, on metal structures, or in cramped positions.
Use a DC stick or wire welder.

### STICK ELECTRODE SELECTION CHART

**Plate Thickness**

- **Medium**
  - 3/32 in.
  - 1/16 in. TO 7/64 in.
  - STEEL

- **Heavy**
  - 3/32 in. - 1/8 in.
  - 1/8 in. TO 3/16 in.
  - STEEL

- **Thick**
  - 1/4 in. STEEL AND UP
  - 1/8 in. - 5/32 in.


### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.