Stud Welding

**Welding Range**
10 gauge (3mm) through 5/8” (M16) diameter studs

**Calibrated Time Control**
Continuously adjustable from .05 to .8 seconds.

**Calibrated Current Control**
Continuously adjustable 100 to 1200 Amps

Manual Welding

**Welding Range**
A constant current 450 Amps
NEMA rated machine

**Capabilities**
Manual welding – all size electrodes
Arc air gouging – up through 450 Amps
UA•1000 Stud Welding System

**Specifications**
- **Height**: 30" (76.2cm)
- **Width**: 22 1/4" (56.51cm)
- **Depth**: 40" (1.02m)
- **Weight**: 500 lbs. (226.8kg)

**Stud Welding**

**Standard Features**
- 1 stud welding gun* with legs and foot piece
- 25 ft. (7.62m) of 1/0 ground cable with “C” clamp
- 50 ft. (15.24m) of 1/0 combination cable
*Gun with Plunge Dampener also available.

**Welding Range**
10 gauge (3mm) through 5/8" (M16) diameter studs

**Duty Cycle**
- 5/8" (M16) 10/min.
- 1/2" (M14) 14/min.
- 3/8" (M10) and less – unlimited

**Manual Welding**

**Output Rating**
450 Amps @ 38 volts 60%

**Welding Range**
20 to 590 Amps

**Capabilities**
- Manual welding – all size electrodes
- Arc air gouging – up through 450 Amps

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>INPUT POWER REQUIREMENTS</th>
<th>STUD WELDING</th>
<th>MANUAL WELDING</th>
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<tbody>
<tr>
<td>3 Phase 60 Hertz Voltage</td>
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<tr>
<td>Voltage Current KW KVA</td>
<td>230/460/575</td>
<td>230/460/575</td>
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<tr>
<td></td>
<td>100/50/40</td>
<td>76/38/30</td>
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<tr>
<td></td>
<td>35</td>
<td>21</td>
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<td></td>
<td>40</td>
<td>30</td>
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<tr>
<td>Rated Output</td>
<td>1200 Amps @ 44 volts</td>
<td>450 Amps @ 38 volts</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>12%</td>
<td>60%</td>
</tr>
<tr>
<td>Max. Open Circuit Voltage</td>
<td>70 volts DC</td>
<td>70 volts DC</td>
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</tbody>
</table>

50 Hertz models available