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
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

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<td>3 Phase 60 Hertz Voltage</td>
<td>230/460/575/35</td>
<td>230/460/575/35</td>
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<td>Current</td>
<td>100/50/40/40</td>
<td>76/38/30/21</td>
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<tr>
<td>Current</td>
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<td>KW</td>
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<td>KVA</td>
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<tr>
<td>Rated Output</td>
<td>1200 Amps @ 44 volts</td>
<td>450 Amps @ 38 volts</td>
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<tr>
<td>Duty Cycle</td>
<td>12%</td>
<td>60%</td>
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<tr>
<td>Max. Open Circuit Voltage</td>
<td>70 volts DC</td>
<td>70 volts DC</td>
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50 Hertz models available