

# Stud Welding Equipment - Arc

## IT 3002 STUD WELDING UNIT



### IT 3002

Stud Welding Unit  
for Arc stud welding  
according to current standards

### Inverter

- Maximum welding quality
- Maximum welding rates
- Minimum energy consumption
- Minimum weight
- Maximum efficiency

| Technical Data   |   |
|--|---|
| Gas  | Option  |
| Welding range  | #4 to 1", dia. 14 ga to 1"<br>(M3 to M24, dia. 2 to 25 mm)  |
| Welding material   | Mild steel, Stainless steel, Aluminum   |
| Welding rate   | Dia. 1" = 6 studs/min<br>(dia. 25 mm = 6 studs/min)<br>Through deck welding<br>3/4" = 12 studs/min (300 feet, AWG 4/0)<br>Industrial application<br>3/4" = 14 to 15 studs/min |
| Welding current  | 2,600 A (max.)  |
| Current adjustment range   | 300 to 2,600 A (stepless)   |
| Welding time   | 5 to 1,500 msec (stepless)  |
| Primary power  | 480/460V, 3 phases, 50/60 Hz, 125 AT<br>(alternative input voltages available)  |
| Connected load   | 150 KVA (with 400V mains), 120 kW   |
| Cooling type   | F (temperature controlled cooling fan)  |
| IP-code  | IP 23   |
| Dimension L x W x H  | 25.6" x 22" x 50.8"<br>(650 x 560 x 1,290 mm)<br>without handle   |
| Weight   | 93-66-3211: 352.74 lbs (160 kg)<br>93-66-3221: 394.63 lbs (179 kg)  |
| Order No   | 93-66-3211 (1 Gun connection)<br>93-66-3221 (2 Gun connections)   |
| General Information  |   |
| <b>Application</b> <ul style="list-style-type: none"> <li>• Especially suitable for thicker sheets of about 2 mm or higher</li> <li>• Especially suitable for welding of concrete anchors/shear connectors for job site applications</li> <li>• Suitable for through deck welding</li> </ul> |   |
| <b>Process variants</b> <ul style="list-style-type: none"> <li>• Short cycle drawn arc welding</li> <li>• Drawn arc welding</li> </ul>   |   |
| <b>Equipment</b> <ul style="list-style-type: none"> <li>• Welding with ceramic ferrule (series)</li> </ul>   |   |



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