

# Stud Welding Equipment - CD

## CDI 2302 TECHNICAL DATA SHEET



### CDi 2302

Stud Welding Unit (with digital display)  
For CD stud welding (capacitor discharge welding)  
according to current standards

### Inverter-Capacitor Charging Technology

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

| Technical Data      |  |
|---------------------|--|
| Welding range       | #4 to 5/16" (7/16" limited),<br>dia. 14 ga to 5/16" (dia. 3/8" limited)<br>(M3 to M8 (M10 limited),<br>dia. 2 to 8 mm (dia. 10 mm limited))      |
| Welding material    | Mild steel, stainless steel, aluminum and brass  |
| Welding rate        | M3 = 33 studs/min.<br>(Charging voltage 60 V)<br>M8 = 12 studs/min.<br>(Charging voltage 170V)<br>M10 = 9 studs/min.<br>(Charging voltage 210 V) |
| Capacitance         | 99,000 $\mu$ F   |
| Welding time        | 1 to 3 msec  |
| Energy              | 2,400 Ws   |
| Charging voltage    | 50 to 220 V (stepless voltage regulation)  |
| Primary power       | 115 V, 50/60 Hz, 10 AT   |
| Power source        | Capacitor  |
| Cooling type        | F (temperature controlled cooling fan)   |
| IP-code             | IP 23  |
| Dimension L x W x H | 18.90" x 8.07" x 9.84"<br>(480 x 205 x 250 mm)<br>without handle   |
| Weight              | 37.48 lbs (17 kg)  |
| Order No            | 92-12-2302   |
| General Information |  |
| Application         | - Especially suitable for thin sheets (at least 0.5 mm)  |
| Process variants    | - Contact welding<br>- Gap welding   |



website [www.sunbeltstudwelding.com](http://www.sunbeltstudwelding.com) email [info@sunbeltstudwelding.com](mailto:info@sunbeltstudwelding.com)  
6381 Windfern Road, Houston, TX 77040 telephone 1.800.462.9353 - Houston 713.939.8903 fax 713.939.9013