

Stud Welding Equipment - CD

CDi 1502 TECHNICAL DATA SHEET



CDi 1502

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

Only power unit in its class (66.000 µF), which officially fulfills the requirements of the Technical Bulletin 0903. Capacitor discharge stud welding with tip ignition" for studs diameter M8 with a required charging voltage of 220 V.

Inverter-Capacitor Charging Technology

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

Technical Data	
Automatic	Option
Welding range	Studs #4 to 5/16", dia. 14 ga to 5/16"; cupped head pins dia. 14 ga and 12 ga; insulation pins dia. 14 ga and #4 (studs M3 to M8, dia. 2 to 8 mm; cupped head pins dia. 2 and 2.7 mm; insulation pins dia. 2 and 3 mm)
Welding material	Mild steel, stainless steel, aluminum and brass
Welding rate	M3 = 40 studs/min. (Charging voltage 60 V) M8 = 14 studs/min. (Charging voltage 200 V) M8 = 12 studs/min. (Charging voltage 220 V)
Capacitance	66,000 µF
Welding time	1 to 3 msec
Energy	1,600 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 (92-12-1502), IP 21 (92-12-1504)
Dimension L x W x H	15.75" x 8.07" x 9.84" (400 x 205 x 250 mm) without handle
Weight	30.87 lbs (14 kg)
Order No	92-12-1502 92-12-1504 (Automatic)

General Information

Application

- Especially suitable for thin sheets (at least 0.5 mm)
- ISO – especially suitable for fixing heating, ventilation and air-conditioning mats (HVAC)

Process variants

- Contact welding
- Gap welding



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