

# Stud Welding Equipment - Arc

## IT 1002 STUD WELDING UNIT



### IT 1002

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/Automation/Process control	Series/Option/Option
Welding range	#4 to 5/8", dia. 14 ga to 9/16" (M3 to MR16, dia. 2 to 14 mm)
Welding material	Mild steel, Stainless steel, Aluminum
Welding rate	1/2" (M12) = 25 studs/min
Welding current	1,000 A (max.)
Current adjustment range	Stud welding 100 to 1,000 A, electrode 50 to 400 A (stepless)
Welding time	5 to 1,000 msec (stepless)
Primary power	480/460 V, 3 phases, 50/60 Hz, 35 AT (alternative input voltages available)
Connected load	50 KVA (with 400 V mains), 40 kW
Cooling type	F (temperature controlled cooling fan)
IP-code	IP 23
Dimension L x W x H	26" x 11" x 13.4" (660 x 280 x 340 mm) without handle
Weight	63.9 lbs (29 kg)
Order No	93-66-1202 (Gas) 93-66-1204 (Gas/Automation) 93-66-1206 (Gas/Automation/Process control)
General Information	
Application	<ul style="list-style-type: none"> <li>• Especially suitable for thicker sheets of about 2 mm or higher</li> </ul>
Process variants	<ul style="list-style-type: none"> <li>• Short cycle drawn arc welding</li> <li>• Drawn arc welding</li> </ul>
Equipment	<ul style="list-style-type: none"> <li>• Welding with ceramic ferrule (series)</li> <li>• Welding with shielding gas (series)</li> <li>• Automation (optional)</li> <li>• Process sequence control (optional)</li> </ul>



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