



MARC 1 W

Manual Pad Welding System
for stud welding with rotating arc

Technical Data

Welding range	1/4" to 1/2" (M6 to M12) (pad)*
Welding material	Steel, stainless steel
Welding rate	10 pieces/min
Welding current	800 A
Welding time	5 to 1,000 msec
Primary power	230/460 V or 575 V, 32 A (ARC 800); 230 V (CU)
Power source	Transformer/Rectifier
Field former unit	Not controlled
Insulation class	IP 23
Dimension L x W x H	18.50" x 9.06" x 8.66" (470 x 230 x 220 mm) (ARC 800); 25.98" x 8.66" x 13.39" (660 x 220 x 340 mm) (CU); without handle
Weight	81.57 lbs (37 kg) (ARC 800) 52.91 lbs (24 kg) (CU)
	* System also suitable for stud welding
Order No.	MARC1.W Consists of: Welding unit ARC 800 Welding gun AM 30 W Field former FW1 Shielding gas tripod AM 30 W Cooling unit CU Gas control module 2-channel

General Information

Application

- Welding of threaded pads and welding nuts
- Welding on punched and unpunched sheets
- Especially suited for shop and installation applications



Advantages

Description

- Low energy consumption
- Even and minimal heat input (low distortion)
- Very short welding time (≤ 1 second) and consequently short cycle time in production
- No welding additives required
- Minimum upsetting force
- Small and even welding seam
- Only one-sided accessibility to the work piece required
- Low investment costs for machine technique
- Extremely clean process (minimum development of airborne particles)
- No reworking of work piece or welding element (thread)

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(Technical data may change)