

# PRO \* WELD

INTERNATIONAL

## ARC-1200

**STUD WELDING POWER SUPPLY**

### DESCRIPTION

The ARC-1200 is a compact and portable stud welding power supply capable of welding studs thru 5/8" diameter weld base. The fully regulated power supply which operates on three phase power produces a smooth, stable welding arc. Both the weld time and weld current are infinitely adjustable for preciseness and repeatability.

For maximum flexibility the weld time can be switched between two ranges. The expanded short time range provides fine adjustment of weld time for special short cycle applications such as welding to thin materials.

A specially designed electronic gun control circuit has been incorporated to increase overall reliability. If a fault condition occurs due to a shorted gun solenoid or a faulty control cable, the circuit will prevent gun retriggering and eliminate damage to printed circuit boards.

### SPECIFICATIONS

DIMENSIONS:	27-1/2" H x 17" W x 22" D
OUTPUT:	1300 AMPS @ 40 VDC
WEIGHT:	194 LBS.
DUTY CYCLE:	1/4" 20/MIN. 5/16" 15/MIN. 3/8" 13/MIN. 1/2" 8/MIN. 5/8" 4/MIN.
INPUT:	230/460/575 VAC 3 PHASE 60 HZ
FUSING:	120/60/50 DELAY TYPE
OPTIONAL INPUT:	220/380/415 VAC - 50 HZ
TIME CONTROL:	
STEPLESS ADJUSTABLE	RANGE A: .06 - .3 SEC. RANGE B: .1 - 1.0 SEC.
CURRENT CONTROL:	
STEPLESS ADJUSTABLE	400 - 1300 AMP

### COMPONENTS

DESCRIPTION	PART NO.
SYSTEM	100-0208
POWER SUPPLY	200-0018
GROUND CABLE 25 FT. x 1/0	125-0102
COMBO CABLE 50 FT. x 1/0	125-1000
WELD GUN	300-0800
WELD GUN W/ DAMPENER	300-0801



### FEATURES

- \* Designed and built in U.S.A.
- \* Regulated output current
- \* Precise weld time and weld current adjustments
- \* Dual time range
- \* Short cycle capabilities
- \* Diagnostic L.E.D.'s
- \* State of the art gun control circuitry
- \* Built in chuck saver
- \* Portable

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