

PRO*WELD™

By Nelson Fastener Systems

ARC STUD WELDING EQUIPMENT

ARC-656

This is a compact lightweight stud welding power supply capable of welding studs through 1/2" diameter reduced weld base. The power supply which operates on three phase power produces a smooth, stable welding arc. The front panel digital display indicates the weld time which is infinitely adjustable for preciseness and repeatability.

ARC-1850

The ARC-1850 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. An added feature in the ARC-1850 is the ability to dial in the desired weld time and weld current before even making a weld.

ARC-800

The ARC-800 is a compact and portable stud welding power supply capable of welding studs through 1/2" diameter weld base. The power supply which operates on single phase power has the added feature of weld current regulation that improves stud welding consistency.

ARC-3000

The ARC-3000 is a fully regulated stud welding power supply that is available in a single or dual gun version. Both versions have the constant output feature that allows the unit to be used as a power source that can operate external stud welding control units. An added feature in the ARC-3000 is the ability to dial in the desired weld time and weld current before even making a weld. The ARC-3000 system is capable of welding studs from 1/4" diameter to 1-1/4" diameter with preciseness and repeatability.

ARC-1200

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.

Simple.
Efficient.
Durable.
ProWeld

SPECIFICATIONS

	DIMENSIONS	WEIGHT	OUTPUT	INPUT
ARC-656	8.25"h x 11.25"w x 17"d	77 lbs.	650 amps @ 36 vdc	208 / 230 / 460 vac 3 phase 60 Hz
ARC-800	36.5"h x 16"w x 14"d	150 lbs.	900 amps	220 / 380 / 415 vac 1 phase 50 Hz 208 / 230 / 460 vac 1 phase 60 Hz
ARC-1200	27.5"h x 17"w x 22"d	194 lbs.	1300 amps @ 40 vdc	220 / 380 / 415 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz
ARC-1850	26"h x 24"w x 33"d	500 lbs.	1850 amps @ 45 vdc	220 / 380 / 415 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz
ARC-3000	28"w x 36"h x 40"d	950 lbs.	3000 amps @ 44 vdc	380 / 415 / 440 vac 3 phase 50 Hz 230 / 460 / 575 vac 3 phase 60 Hz
	FUSING	TIME CONTROL	CURRENT CONTROL	DUTY CYCLE
ARC-656	60 / 60 / 30 delay type	.015-1.00 sec		$\frac{3}{8}$ " 8 per min.
ARC-800	100 / 100 / 50 delay type	Stepless adjustable .05-.6 sec	Stepless adjustable 100-900 amps	
ARC-1200	120 / 60 / 50 delay type	Stepless adjustable RANGE A .06-.3 sec RANGE B .1-1.0 sec	Stepless adjustable 400-1300 amps	$\frac{1}{4}$ " 20 per min. - $\frac{5}{16}$ " 15 per min. $\frac{3}{8}$ " 13 per min. - $\frac{1}{2}$ " 8 per min. $\frac{5}{8}$ " 4 per min.
ARC-1850	200 / 100 / 90 delay type	Stepless adjustable .1-1.6 sec	Stepless adjustable 100-1900 amps	12 GA $\frac{5}{8}$ " unlimited- $\frac{3}{4}$ " 10 per min. - $\frac{7}{8}$ " 4 per min.
ARC-3000	400 / 200 / 200 delay type 3 phase 60 cycle	Stepless adjustable .1-1.8 sec	Stepless adjustable 400-3000 amps	$\frac{1}{4}$ - $\frac{3}{8}$ " unlimited - $\frac{1}{2}$ " 60 per min. $\frac{5}{8}$ " 30 per min. - $\frac{3}{4}$ " 20 per min. $\frac{7}{8}$ " 15 per min. - 1" 10 per min.

COMPONENTS

ARC-656	ARC-800	ARC-1200	ARC-1850	ARC-3000
ITEM PART #	ITEM PART #	ITEM PART #	ITEM PART #	ITEM PART #
System 100-0215	System 100-0211	System 100-0208	SINGLE GUN System 100-0210S	SINGLE GUN System 100-0207S
Power Supply 200-0027 (gas unit 200-0028)	Power Supply 200-0026	Power Supply 200-0018 (gas unit 200-0043)	Power Supply 200-0022	Power Supply 200-0016
LD ARC Gun (25' leads) 300-0802	Weld Gun 300-0800	LD ARC Gun 300-0800	HD ARC Gun 300-0900	HD ARC Gun 300-0900
Ground Cable 15' x #2 125-0101	Ground Cable 25' x 1/0 125-0102	Ground Cable 25' x 1/0 125-0102	Ground Cable 25' x 4/0 125-0104	Ground Cable 25' x 4/0 125-0110
	Combo Cable 50' x 1/0 125-1000	Combo Cable 50' x 1/0 125-1000	Combo Cable 50' x 4/0 125-1002	Combo Cable 50' x 4/0 125-1002
System with Dampener 100-0216			DUAL GUN System 100-0210D	DUAL GUN System 100-0207D
Power Supply 200-0027*			Power Supply 200-0023	Power Supply 200-0017
LD ARC Gun (25' leads) with Dampener 300-0803				

* Add a -575 to the part # for power supply with 575 vac option

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