

# AC-1200

## Automatic Submerged Arc Welding Power Source

The AC-1200 is the industry's leading power source for AC submerged arc welding. It is a power source that you can count on day-in and day-out to provide proven performance.

The AC-1200 produces outstanding arc characteristics and is specifically designed for operation with Lincoln's NA-4 automatic wire feeder.



### Processes

Submerged Arc

### Description



### Advantage Lincoln

- Scott connection taps standard for two AC welding heads operated in tandem.
- Rheostat adjusts the output settings while welding or at idle.
- Three output studs with overlapping ranges.
- ±10% input line voltage compensation for maintaining weld consistency.
- Thermostatic protection from current overload and excessive temperatures.
- Terminal strip for remote control and wire connections and output studs for welding cables.
- Fuse protected control circuit and 115V AC auxiliary power circuit.
- Solid state circuitry provides extra long life for repetitive welding applications.
- Removable side panels for easy access to internal parts.
- Windings and rectifiers protected against moisture and corrosive environments.
- UL listed.
- Three year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements.

### Recommended Wire Feeders

NA-4, LT-56

### Order

K1276	AC-1200	460/1/60
K1382	AC-1200	440/1/50/60
K1382-1	AC-1200	380/1/50/60
K1382-2	AC-1200	415/1/50/60

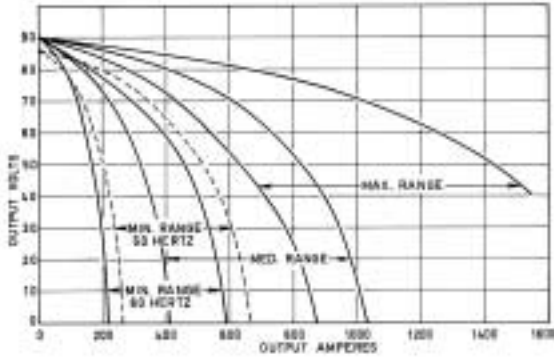
### Technical Specifications

Product Name	Product Number	Input Power	Rated Output <sup>(1)</sup> Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions H x W x D in. (mm)	Net Weight lbs. (kg)
AC-1200	K1276	460/1/60	1200A/44V/100%	182A	60HZ: 200-1500A	53.5 <sup>(2)</sup> x 22 x 38 (1360 <sup>(2)</sup> x 560 x 970)	1570 (712)
	K1382	440/1/50/60		190A			
	K1382-1	380/1/50/60		220A	50HZ: 240-1500A		
	K1382-2	415/1/50/60		201A			

(1) NEMA Class I Rated Output / Based on a 10 min. period.

(2) Add 3.69 in (93.7mm) for lift hook.

# A Closer Look



Typical AC-1200 output characteristic curves. The current control set for Maximum and Minimum on the three ranges are shown.



The AC-1200 is specifically designed for operation with the NA-4 automatic wire feeder.

## AC-1200 Order Form

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
AC-1200 460/1/60	K1276		
AC-1200 440/1/50/60	K1382		
AC-1200 380/1/50/60	K1382-1		
AC-1200 415/1/50/60	K1382-2		
<b>Recommended Wire Feeders</b>			
NA-4	See Publication E9.10		
LT-56	See Publication E9.80		
		TOTAL:	

### Customer Assistance Policy

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying this type of fabrication methods and service requirements.