

AC/DC 225/125



The AC/DC 225/125 is the deluxe version of the world renowned AC-225 arc welder. It uses the same traditional design of the AC-225, but adds the smoother, more stable DC welding arc. Ideal for farm, shop, and home use where improved arc welding performance is desired.

The AC/DC 225/125 is an arc welding power source with an AC welding output range of 40-225 amps and a DC welding output range of 30-125 amps. It is an extremely useful stick welding power source for maintenance repair, fabrication, construction, erecting and hardfacing applications. Also for cutting and piercing holes in steel.

Processes

Stick

Advantage Lincoln

- Easy to install. Comes with attached input power cable and plug.
- Easy to operate with front mounted AC/DC polarity switch and full range amperage selector switch for accurate and dependable procedure setting.
- Traditional design provides long-life and low cost operation.
- Compact size allows for easy storage and handling.
- AC or DC welding output for complete stick welding versatility.
- Smooth arc makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hardfacing electrodes.
- Use the electrode polarity switch on the front of the machine to select a DC welding arc where a stable arc is essential.
- Select an AC welding arc for large diameter general purposes electrodes for welding heavier plate where higher deposition rates and travel speeds are desired.

(continued on next page)

Description



Unit Includes

- Insulated electrode holder and cable.
- Heavy duty work clamp and cable.
- Helpful Welder's Guide.
- Input cable with attached plug.

Recommended Options

Wheel Kit, Carbon Arc Torch

Order

K1297	AC/DC 225/125	230/1/60
K1299	AC/DC 225/125	220/1/50

Technical Specifications

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle ⁽¹⁾		Input Current @ Rated Output		Output Range	Dimensions H x W x D in.(mm)	Net Weight lbs. (kg)
			AC	DC	AC	DC			
AC/DC 225/125	K1297	230/1/60	225A 25V 20% 79 OCV	125A 25V 20% 73 OCV	50	36	40-225 Amps AC 30-125 Amps DC	24 x 17.25 x 12 (610 x 438 x 305)	124 (56.3)
AC/DC 225/125	K1299	220/1/50	225A 25V 15% 76 OCV	125A 25V 215% 69 OCV	55	41	50-250 Amps AC 35-135 Amps DC		123 (55.8)

⁽¹⁾Based on a 10 minute period.

Advantage Lincoln con't.

- **Electrode selection chart on the machine case provides quick and easy reference guide for amperage selection.**
- **225 amp AC output is enough for 3/16" diameter general purpose mild steel electrodes and 5/32" sizes of other electrodes.**
- **125 amp DC output is enough for most 1/8" electrodes.**
- **Fan-cooled for extra thermal protection.**
- **Vermin resistant mesh bottom keeps rodents and pests out of the case.**
- **Powder paint finish for high corrosion resistance.**
- **NEMA rated (60 Hz only).**
- **UL listed and CSA approved (60 Hz only).**
- **3 year warranty on parts and labor.**
- **Manufactured under a quality system certified to ISO 9001 requirements.**

Warning: Pipe thawing with an arc welder can cause fire, explosion, damage to electric wiring or to the arc welder if done improperly. The use of an arc welder for pipe thawing is not approved by the CSA, nor is it recommended or supported by Lincoln Electric.

Important Safety Note: This welder is not recommended for use in electrically hazardous conditions such as: damp locations, while wearing wet clothing, on metal structures, or in cramped positions. Use a DC stick or wire welder.

Recommended Options



Wheel Kit

Includes axle, two wheels, and assembly hardware. Can be installed in minutes.
Order K761.



Carbon Arc Torch

Increases versatility of the welder. Some applications include: welding aluminum and copper alloys, heating, bending and straightening, brazing and soldering. Convenient thumb control. Rated at 100A at 40V.
Order K1876-1.

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.