

# AC/DC 225/125



AC/DC 225/125 includes insulated electrode holder, heavy duty work clamp, Welder's Guide, and input cable with attached plug.

The Lincoln 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 professional 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.

The AC/DC 225/125 arc welder produces an extremely smooth arc for welding a variety of materials, including carbon, low alloy and stainless steels, as well as, cast iron. Use the electrode polarity switch on the front of the machine to select a DC welding arc for use on thin materials where a low current, stable arc is essential. Or select an AC welding arc for large diameter general purposes electrodes for welding heavier plate where higher deposition rates and travel speeds are desired.

*Important Safety Note: Use only DC output when welding must be performed under electrically hazardous conditions such as working in damp locations, while wearing wet clothing, on metal structures or in cramped positions.*

## ADVANTAGE LINCOLN

- Easy to install. Comes with 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.
- Electrode selection chart on the machine case provides quick and easy reference guide for amperage and polarity selection.
- 225 amp AC output is enough for 3/16" 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 other pests out of the case.
- Electrostatic paint finish for high corrosion resistance.
- NEMA rated (60 Hz only).
- UL listed (60 Hz only).
- 3-year warranty, including parts & labor.
- Manufactured under a quality system certified to ISO 9002 requirements.

# THE TOTAL SOLUTION

To obtain the best welding performance, Lincoln electrodes are strongly recommended. They are designed for easier arc striking and a more stable arc when used with the AC/DC 225/125.

## FOR STAINLESS APPLICATIONS:

Lincoln's RED BARON™ line of stainless steel electrodes offer outstanding quality and performance. The most popular and commonly

used stainless electrodes are the RED BARON 308, 309 and 316 type electrodes.

## FOR MILD STEEL APPLICATIONS:

Lincoln's Fleetweld® 37 and 57 are general purpose electrodes, primarily used for general fabrication and repair of mild steel parts or equipment. Lincoln's Fleetweld 180 electrode is used in applications where a driving, deep penetrating arc is required. Lincoln's Fleetweld 5P is recommended for DC+ welding and is your best choice for welding dirty, rusty, painted or plated steels.

## FOR LOW HYDROGEN APPLICATIONS:

Lincoln's Jetweld® LH-70 is a general purpose DC welding electrode used mainly for

welding carbon and low alloy steels. The iron powder in the coating provides high deposit rates consistent for quality weldments required in the flat, vertical and overhead welding positions. LH-70 also has excellent mechanical properties. Lincoln 7018 AC or LH-73 are also recommended for AC welding applications where a high quality, low hydrogen weld deposit is required.

## FOR HARDFACING APPLICATIONS:

The Wearshield® line of electrodes offers a variety of hardfacing combinations for buildup, abrasion, impact, metal-to-earth and metal-to-metal wear.

# TECHNICAL SPECIFICATIONS

Product Name	Ordering Information	Input Voltage	Rated Output Amps/Volts/Duty Cycle (1)		Input Amps at Rated Output		Output Range	Weight (net)	Dimensions H x W x D
			AC	DC	AC	DC			
AC/DC 225/125	K1297	230 (2) 1 Phase 60 Hz	225A 25V 20% 70 OCV	125A 25V 20% 73 OCV	50	36	40 - 225 AC 30 - 125 DC	124 lbs. (56.3 kgs)	24 x 17.25 x 12 in  (610x438x305mm)
AC/DC 225/125	K1299	220 1 Phase 50 Hz	225A 25V 15% 76 OCV	125A 25V 15% 69 OCV	55	41	50 - 250 AC 35 - 135 DC	123 lbs. (55.8 kgs)	

(1) Based on a 10 minute period.

(2) Other input voltages are available.

# 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 L2645**



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E2.60 10/98**

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