

AC-225



AC-225 shown with insulated electrode holder, heavy duty work clamp, lightweight headshield with lenses, sample pack of electrodes, Welder's Guide, and input cable with attached plug.



ADVANTAGE LINCOLN

- Easy to install. Comes with input cable and attached plug.
- Easy to operate. Full range 40-225 amp selector switch sets the welding current quickly and ensures a uniform arc each and every time you weld.
- Traditional design provides long-life and low cost operation.
- Compact size allows for easy storage and handling.
- Smooth arc makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hardfacing electrodes.
- 225 amp AC output is enough for 3/16 general purpose mild steel electrodes and 5/32 sizes of other electrodes.
- Fan-cooled for extra thermal protection.
- Vermin resistant mesh bottom keeps rodents and pests out of the case.
- Powder paint finish for increased durability.
- NEMA rated (60 Hz only).
- UL listed (60 Hz only).
- 3-year warranty including parts and labor.
- Manufactured under a quality system certified to ISO 9002 requirements.

The AC-225 is Lincoln's best selling arc welder of all time. It has a broad welding amperage range of 40-225 amps. The AC-225 produces an extremely smooth AC arc for welding a wide variety of materials including carbon, low alloy, and stainless steels as well as cast iron. Metals 16 gauge and heavier can be easily arc welded with the AC-225.

Applications include: maintenance repairs, fabricating or modifying equipment, building tools or fixtures, rebuilding worn parts or dies, and hardfacing new or worn parts for longer service life. Also for cutting & piercing holes in steel.

Lincoln also offers the optional carbon arc torch for brazing and soldering applications, for heating rusty nuts for

easier removal, and for bending or straightening metal. The AC-225 can also be used for thawing frozen water pipes.

Warning: Pipe thawing, if not done properly, can result in fire, explosion, damage to pipes, burning up the welder, or other hazards. Do not use a welder to thaw pipe before reviewing Lincoln bulletin E695.1 (dated Oct. 1987 or later). NOTE: pipe thawing is NOT a recommended procedure by the Canadian Standards Association (C.S.A.)

Important Safety Note: This welder is not recommended 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.

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-225.

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 7018 AC or LH-73 are recommended when 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 AC Voltage	Rated AC Output Amps/Volts/Duty Cycle ⁽¹⁾	Input Amps at Rated AC Output		Output Range	Weight (net)	Dimensions H x W x D
				220V	230V			
AC-225	K1170	230 ⁽³⁾ 1 Phase 60 Hz	225A / 25V / 20% ⁽²⁾ Max. OCV 79	---	50A	40-225	109 lbs. (49.5 kg)	24 x 17.25 x 12 in. (610 x 438 x 305 mm)
AC-225	K1290	220 1 Phase 50 Hz	225A / 25V / 15% Max. OCV 76	63A	---	50-250	108 lbs (49.0 kg)	

⁽¹⁾ Based on a 10 minute period.

⁽²⁾ Except 75 amp setting which can be used continuously for 1 hour.

⁽³⁾ 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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