

# AC-225

The AC-225 compact stick welder has a broad welding amperage range of 40-225 amps. It 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: repair and maintenance welding, fabricating or modifying equipment, building tools or fixtures, build-up welding on worn parts or dies, and hardfacing new or worn parts for longer service life. Also for cutting and piercing holes in steel.



## Processes

Stick

## Advantage Lincoln

- Easy to install. Comes with attached 6 ft. (1.8m) input power cable and NEMA 6-50P plug.
- Easy to operate. Full range 40-225 amp selector switch quickly sets the welding current 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" (4.8mm) diameter general purpose mild steel electrodes and 5/32" (4.0mm) sizes of other electrodes.
- Optional carbon arc welding torch for brazing and soldering applications, for heating rusty nuts for easier removal, and for bending or straightening metal.
- 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 and CSA approved (60 Hz only).
- 3 year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements.

## Description

Output



Input



## Unit Includes

- Insulated electrode holder and cable
- Heavy duty work clamp and cable
- Lightweight headshield with lenses
- Sample pack of electrodes
- Helpful Welder's Guide
- Input cable with attached plug
- Welding Helmet  
K1170-4 also includes
- Wheel Kit
- Welding Gloves

## Recommended General Options

Wheel Kit, Carbon Arc Welding Torch

## Order

K1170 AC-225 230/1/60  
K1290 AC-225 220/1/50  
K1170-4 AC-225 230/1/60

## TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions H x W x D	Net Weight lbs (kg)
AC-225	K1170 K1170-4	230/1/60	225A/25V/20% <sup>(1)</sup>	50A	40-225 Amps Max OCV: 79	24.0 x 17.25 x 12.0 (610 x 438 x 305)	109 (49.5)
AC-225	K1290	220/1/50	225A/25V/15%	63A	50-250 Amps Max OCV: 76		108 (49.0)

(1) Except 70 amp setting which can be used continuously for 1 hour.

## A CLOSER LOOK

### 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.

## RECOMMENDED OPTIONS

### GENERAL OPTIONS



#### Wheel Kit

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

Order K761



#### Carbon Arc Welding 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 100A at 40V.

Order K1876-1

#### Carbons

For use with Carbon Arc Welding Torch.

Order KP1905-1 for 1/4" Diameter.

Order KP1905-2 for 5/16" Diameter.

Plate Thickness	STICK ELECTRODE SELECTION CHART		
Medium	<p>1/16" TO 7/64" STEEL</p> <p>3/32" ELECTRODE DIAMETER</p>		Fleetweld® 180 (6011)
			Fleetweld® 37 (6013)
			Fleetweld® 47 (7014)
			7018AC
			JET-LH® 78 (7018 H4R)
Heavy	<p>1/8" TO 3/16" STEEL</p> <p>3/32" - 1/8" ELECTRODE DIAMETER</p>		Fleetweld® 180 (6011)
			Fleetweld® 37 (6013)
			Fleetweld® 47 (7014)
			7018AC
			JET-LH® 78 (7018 H4R)
Thick	<p>1/4" STEEL AND UP</p> <p>1/8" - 5/32" ELECTRODE DIAMETER</p>		Fleetweld® 180 (6011)
			7018AC

### CUSTOMER ASSISTANCE POLICY

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