

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

Description

Output **CC** **AC** Input **1** **50** **60**
PHASE Hz Hz

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.

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%(1)	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		1/16" TO 7/64" STEEL	Fleetweld® 180 (6011)
			Fleetweld® 37 (6013)
			Fleetweld® 47 (7014)
	3/32" ELECTRODE DIAMETER		7018AC
			JET-LH® 78 (7018 H4R)
Heavy		1/8" TO 3/16" STEEL	Fleetweld® 180 (6011)
			Fleetweld® 37 (6013)
			Fleetweld® 47 (7014)
	3/32" - 1/8" ELECTRODE DIAMETER		7018AC
			JET-LH® 78 (7018 H4R)
Thick		1/4" STEEL AND UP	Fleetweld® 180 (6011)
	1/8" - 5/32" ELECTRODE DIAMETER		7018AC

CUSTOMER ASSISTANCE POLICY

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