

AC225

Processes

Stick

Product Number

K1170

K1290

Input Power (Voltage/Phase/Hertz)

K1170: 230/1/60

K1290: 220/1/50

Rated Output (Current/Voltage/Duty Cycle)

K1170: 225A/25V/20%

K1290: 225A/25V/15%

Input Current @ Rated Output

230V: 50A

220V: 63A

Output Range

K1170: 40-225 Amps (Max OCV: 79V)

K1290: 50-250 Amps (Max OCV: 76V)

Weight/Dimensions (H x W x D)

K1170: 109 lbs. (49.5 kg)

K1290: 108 lbs. (49.0 kg)

24.0 x 17.25 x 12.0 in.

(610 x 438 x 305 mm)

The Time-Tested Original

The AC225 compact stick welder 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.

FEATURES

- ▶ **Easy to install** - Comes with attached input power cable and NEMA 6-50P plug (K1170 only).
- ▶ **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.
- ▶ **Smooth arc** - Makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hard-facing electrodes.
- ▶ **225 amp AC output** - Is enough for 3/16 in. (4.8 mm) diameter general purpose mild steel electrodes and 5/32 in. (4.0 mm) sizes of other electrodes.
- ▶ **NEMA rated, UL listed and CSA approved.**

APPLICATIONS

- ▶ Home / Farm / Shop
- ▶ Repair and Maintenance
- ▶ Build-up Welding
- ▶ Light Fabrication



Shown K1170

WHAT'S INCLUDED

- ▶ Insulated electrode holder and cable
- ▶ Heavy duty work clamp and cable
- ▶ Input cable with attached plug (K1170 only)

INPUT



OUTPUT



Two Year Extended
Warranty Available in
the U.S.A. and Canada.



PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
AC225	K1170	230/1/60	225A/25V/20% ⁽¹⁾	50A	40-225 Amps Max OCV: 79V	24.0 x 17.25 x 12.0 (610 x 438 x 305)	109 (49.5)
	K1290	220/1/50	225A/25V/15%	63A	50-250 Amps Max OCV: 76V		108 (49.0)

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

RECOMMENDED ACCESSORIES



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

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.

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

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details

CUSTOMER ASSISTANCE POLICY

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