

AC-225

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 AC-225 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.



THE LINCOLN ELECTRIC COMPANY

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)
AC-225	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 70 amp setting which can be used continuously for 1 hour.

RECOMMENDED ACCESSORIES TO EXPAND MACHINE CAPABILITIES











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

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

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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