

Idealarc® 250

250 Amp DC Stick Welding Power Source

The Idealarc® 250 is the classic workhorse of the Lincoln Electric stick welding power source line. It produces up to 300 amps of brute AC welding strength or down to 40 amps of smooth DC welding performance.

Add the optional TIG Module to create a versatile AC/DC TIG welder for welding aluminum or other alloy metals.

The Idealarc® 250 is well suited for industrial production welding applications, for maintenance and repair shops where welding versatility is needed, and for the shop or farm where ruggedness and durability is required.

Processes

Stick, TIG, Gouging



Output



Input



Advantage Lincoln

- Outstanding arc stability and built-in stabilizer provide popout-resistant welding with all AC electrodes.
- Versatile welding range with up to 300 amps AC and 250 amps DC.
- Suitable for use with every type of electrode including low hydrogen, stainless steel, hardfacing, aluminum and bronze.
- Easy set-up and operation. Full range continuous current control dial with current indicator for exact heat required for each job.
- Change polarity with a twist of the wrist — AC, DC+ or DC-.
- Stackable case design allows machines to be stacked 3 high to save valuable floor space.
- Fan-cooled for extra thermal protection.
- CSA NRTL/C certified.
- PC boards for extreme environmental protection.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Three-Year Lincoln Warranty on parts and labor. Two-year extended warranty available in the U.S.

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 inches (mm)	Net Weight lbs (kg)
Idealarc® 250	K1053-7	208/230/460/1/60	AC: 250A/30V/30% DC: 250A/30V/30%	95/86/43A	AC: 35-300A Max. OCV: 72V DC: 40-250A Max. OCV: 70V	27 x 19 x 21.5 (686 x 483 x 546)	350 (159)
	K1053-9 with Power Factor Capacitors			75/68/34A			
	K1053-8	230/460/575/1/60	AC: 250A/30V/30% DC: 250A/30V/30%	86/43/34A 68/34/27A			

RECOMMENDED OPTIONS

GENERAL OPTIONS



Power Factor Capacitor Kit

Used to reduce current draw and keep electricity cost to a minimum when machine is routinely operated at high outputs. Reduces input amps by approximately 20% at rated load.

Order K1894-1



Undercarriage

For hand moving. Includes handle, axle, wheels, front bracket and mounting hardware

Order K866

STICK OPTIONS



Accessory Kit, 400 Amp

For stick welding. Includes 35 ft. (10.7 m) #2/0 electrode cable with lug, 30 ft. (9.1 m) #2/0 work cable with lugs, headshield, filter plate, work clamp, and electrode holder.

Order K704



STICK OPTIONS, CONT.

Accessory Kit, 150 Amp

For stick welding. Includes 20 ft. (6.1 m) #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, filter plate, work clamp, electrode holder and sample pack of mild steel electrode.

Order K875



TIG OPTIONS

TIG Module

Portable, high frequency unit with gas valve for TIG welding. Rated at 300 amps/60% duty cycle.

Order K930-2



Contactor Kit

Installs in the K930-2 TIG Module for use with welders without a contactor. Makes the TIG torch electrode electrically "cold" until the Amptról® is activated.

Order K938-1



Control Cable

Connects TIG Module to power source. 9-pin to 115V.

Order K936-4

IDEALARC® 250 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
Idealarc® 250 (208/230/460/1/60)	K1053-7		
Idealarc® 250 (230/460/575/1/60)	K1053-8		
Idealarc® 250 (208/230/460/1/60) with Power Factor Capacitors	K1053-9		
Recommended General Options			
Power Factor Capacitor Kit	K1894-1		
Undercarriage	K866		
2-Year Extended Warranty - U.S. Only	X1053		
Recommended Stick Options			
Accessory Kit, 400 Amp	K704		
Accessory Kit, 150 Amp	K875		
Recommended TIG Options			
TIG Module	K930-2		
Contactor Kit	K938-1		
Control Cable	K936-4		
	TOTAL:		

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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.