

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

Advantage Lincoln

- Outstanding arc stability, transformer design and built-in stabilizer provides popout-resistant welding with all AC electrodes.
- AC output is 300 amps maximum. 250 amps DC output for maximum quality 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.
- 60Hz models CSA NRTL/C certified.
- Three year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements.

Description

Output   Input   

Recommended General Options

Power Factor Capacitor Kit, Undercarriage

Recommended Stick Options

Accessory Kit

Recommended TIG Options

TIG Module, Contactor Kit, TIG Module Control Cable

Order

K1053-7	Idealarc 250	208/230/460/1/60
K1053-8	Idealarc 250	230/460/575/1/60
K1054-3	Idealarc 250	380/415/500/1/50
K1054-4	Idealarc 250	220/380/440/1/50
<i>With Power Factor Capacitors:</i>		
K1053-9	Idealarc 250	208/230/460/1/60
K1053-10	Idealarc 250	230/460/575/1/60

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 in.(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	27 x 19 x 21.5 (686 x 483 x 546)	350 (159)
	K1053-9 (w/PFC)			75/68/34A			
	K1053-8	230/460/575/1/60	AC: 250A / 30V / 30% DC: 250A / 30V / 30%	86/43/34A	DC: 40-250A Max. OCV: 70V		
	K1053-10 (w/PFC)			68/34/27A			
	K1054-3	380/415/500/1/50	AC: 250A / 30V / 30% DC: 250A / 30V / 30%	50/46/38A			
K1054-4	220/380/440/1/50	86/50/43A					

RECOMMENDED OPTIONS



GENERAL OPTIONS

Power Factor Capacitor Kit
 Reduces input amps by approx. 20% at rated load.
Order K1894-1 For 60 Hz Machines
Order K1895-1 For 50 Hz Machines



Undercarriage
 For hand moving. Includes handle, axle, wheels, front bracket and mounting hardware.
Order K866.

STICK OPTIONS



Accessory Kit
 Includes headshield with lens and cover, electrode cable and holder, work cable and work clamp.
Order K704 For 400 Amps.
Order K875 For 200 Amps.



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
 For use with the TIG Module
Order K938-1



TIG Module Control Cable
 9-pin connector at the TIG Module to a grounded 115V plug. (Contains input power, and ground circuits). For machines having no remote control capability.
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 250 380/415/500/1/50	K1054-3		
Idealarc 250 220/380/440/1/50	K1054-4		
With Power Factor Capacitors:			
Idealarc 250 208/230/460/1/60	K1053-9		
Idealarc 250 230/460/575/1/60	K1053-10		
Recommended General Options			
Power Factor Capacitor Kit, 60 Hz Machines	K1894-1		
Power Factor Capacitor Kit, 50 Hz Machines	K1895-1		
Undercarriage	K866		
Recommended Stick Options			
Accessory Kit, 200 amps	K875		
Accessory Kit, 400 amps	K704		
Recommended TIG Options			
TIG Module	K930-2		
Contactor Kit	K938-1		
TIG Module 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

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.



THE LINCOLN ELECTRIC COMPANY

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