

Idealarc® DC-1000

If your application requires pure welding power combined with multi-process flexibility, then the DC-1000, with 1300 amps of smooth DC output, is your best investment.

Designed for semiautomatic and automatic welding, the precise control of the DC-1000 delivers superior high amperage MIG, flux-cored, submerged arc welding and air carbon arc gouging with up to 5/8" (15.9 mm) diameter carbons.

Processes

MIG, Flux-Cored, Submerged Arc, Gouging



Output



Input



Advantage Lincoln

- 500 amp output connections provide enhanced arc characteristics for low amperage submerged arc and MIG welding procedures.
- Single range control for precise output control and easy operation.
- Standard analog ammeter and analog voltmeter.
- Use the mode switch to select the desired output characteristics for the process being used—CV Submerged Arc, CV Innershield®, CC Submerged Arc.
- Power start/stop push button (NVR) switches with pilot light.
- Fuse protected 115V wire feeder auxiliary power with 1000 volt-amp capacity.
- Terminal strip and output studs for remote connections and cable.
- Low profile case allows installation of the DC-1000 under a workbench and for stacking up to 2 machines to conserve floor space.
- Removable side panels for easy access to internal parts.
- Line voltage compensation maintains weld consistency, even with line voltage changes of $\pm 10\%$.
- Electronic and thermostatic protection from current overload and excessive temperatures.
- Internal components, including windings, rectifiers and circuit boards, are coated to protect against the effects of moisture and corrosion.
- Recessed front panel protects operating controls.
- Three-year warranty on parts and labor.
- Seven-year warranty on the power rectifier.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.

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)
DC-1000	K1386-3	230/460/3/60	1000A / 44V / 100%	193/96.5A	16-46 V 150-1300A	30.7 x 22.25 x 39.0 (781 x 567 x 991)	821 (372)
	K1387-3	220/380/440/3/50/60		193/112/96.5A			
	K1387-4	380/500/3/50/60		112/85A			
	K1387-6	415/3/50/60		102A			

RECOMMENDED OPTIONS



Paralleling Kit
Permits paralleling of two power sources.
Order K1897-1



Control Cable Adapter Kit-6 Pin
Adapts 6-pin MS-type plug connection to terminal strip on power source.
Order K843



42 Volt Transformer Kit
Transforms 115V AC to 42V AC for use with wire feeders requiring 42V AC input power. Terminal strip connection.
Order K1520-1



Control Cable Adapter Kit-14 Pin
Adapts 14-pin MS-type plug connection to terminal strip on power source.
Order K1798



Remote Output Control
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output. 6-pin connection.
Order K857 for 25 ft. (7.6m)
Order K857-1 for 100 ft. (30m)

IDEALARC DC-1000 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
DC-1000 230/460/3/60	K1386-3		
DC-1000 220/380/440/3/50/60	K1387-3		
DC-1000 380/500/3/50/60	K1387-4		
DC-1000 415/3/50/60	K1387-6		
RECOMMENDED GENERAL OPTIONS			
Paralleling Kit	K1897-1		
42 Volt Transformer Kit	K1520-1		
Remote Output Control, 25 ft. (requires K843)	K857		
Remote Output Control, 100 ft. (requires K843)	K857-1		
Control Cable Adapter Kit – 6 pin to terminal strip	K843		
Control Cable Adapter Kit – 14 pin to terminal strip	K1798		
RECOMMENDED WIRE FEEDER OPTIONS			
LN-9 and LN-9 GMA	See Publication E8.50		
NA-3	See Publication E9.10		
NA-5	See Publication E9.30		
LT-7	See Publication E9.70		
	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.

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The product performance data of this brochure and related attachments are from LINCOLN ELECTRIC application engineering laboratory. Except for special instructions, experiments on welding machines are conducted in accordance with the general standard of IEC60974-1; experiments on welding consumables are conducted in accordance with the general standard of AWS; for specific applicable standards on welding consumables please refer to the product page.

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