

Idealarc® DC-1500

Multiprocess DC Arc Welding Power Source

The DC-1500 is a multiprocess DC arc welding power source for automatic welding applications. It produces outstanding arc characteristics on both constant voltage and constant current processes. This provides great welding versatility in a single power source. The DC-1500 is designed for submerged arc welding, and FCAW processes within the capacity of the machine. It produces outstanding welding performance with a single range full output control potentiometer. The precise output of the DC-1500 enhances productivity and quality control when used with Lincoln NA-3 and NA-5 automatic wire feeders, and the LT-56 and LT-7 tractors.



Processes

Flux-Cored Submerged Arc

Advantage Lincoln

- Solid state circuitry provides extra long life for repetitive welding applications.
- Full range output voltage control for easy operation and precise output control.
- Mode switch used to select the desired output characteristics for the process being used.
- Line voltage compensation for maintaining weld consistency, even with line voltage changes of $\pm 10\%$.
- Fan cooled with electronic and thermostatic protection from current overload and excessive temperatures.
- Function lights built into the printed circuit boards speed diagnostics.
- Windings and rectifiers protected against moisture and corrosive environments.
- 8 amp fuse protected 115V wire feeder auxiliary power with 1000 volt-amp capacity.

Description



Recommended Options

Remote Output Control, Paralleling Kit

Recommended Wire Feeder Options

NA-3 Automatic Wire Feeder, NA-5 Automatic Wire Feeder, LT-7 Tractor Wire Feeder, LT-56 Tractor Wire Feeder

Order

K1275	Idealarc DC-1500	460/3/60
K1383	Idealarc DC-1500	380/440/3/50/60
K1383-1	Idealarc DC-1500	415/3/50/60

Technical Specifications

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions HxWxD in. (mm)	Net Weight lbs. (kg)
DC-1500	K1275	460/3/60	1500A/44V/100% 1500A/60V/100%	184A	Volts 20-60	57.2x22.3x38.0 (1453x566x965)	1420 (644)
	K1383	380/440/3/50/60		216A/187A	Amps 200-500		
	K1383-1	415/3/50/60		198A			

Advantage Lincoln (cont.)

- Removable side panels for easy access to internal parts.
- Recessed front panel protects operating controls.
- Terminal strip and output studs for remote connections and cable.
- Power start/stop pushbutton (NVR) switches with pilot light.
- UL listed and CSA approved.
- 3 year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements.

Recommended Options

Remote Output Control

For remote adjustment of output. Consists of a control box with 28 ft. (8.5 m) of four conductor cables for terminal strip connection.
Order K775

Paralleling Kit

Permits paralleling of two DC-1500's for welding currents up to 3000 amps, 100% duty cycle.
Order T14273

Idealarc DC-1500 Order Form

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
Idealarc DC-1500 460/3/60	K1275		
Idealarc DC-1500 380/440/3/50/60	K1383		
Idealarc DC-1500 415/3/50/60	K1383-1		
Optional Features			
Remote Output Control	K775		
Paralleling Kit	T14273		
Wire Feed Welding			
NA-3 Automatic Wire Feeder	see publication E9.10		
NA-5 Automatic Wire Feeder	see publication E9.30		
LT-7 Tractor Wire Feeder	see publication E9.70		
LT-56 Tractor Wire Feeder	see publication E9.80		
	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.



THE LINCOLN ELECTRIC COMPANY

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