Idealarc® DC-1000

Output

CC CV

DC

Input

3 PHASE

60 Hz

50 Hz

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

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 ±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

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

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)

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

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

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:		

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THE WELDING EXPERTS®

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