

Idealarc® DC-1000

Processes

MIG, Flux-Cored, Submerged Arc, Gouging*

Product Number

K1386-3 K1387-6
K1386-4 K1387-14*
K1387-3

See back for complete specs

*K1387-14 is SAW only.

Input Power (Voltage/Phase/Hertz)

K1386-3: 230/460/3/60
K1386-4: 575/3/60
K1387-3: 220/380/440/3/50/60
K1387-6: 415/3/50/60
K1387-14 380/440/3/50/60

Input Current at Rated Output

220/230V: 193A
380V: 112A
415V: 102A
440/460V: 96.5A

575V: 77.2A

Rated Output

1000A/44V/100%

Output Range

150-1300A, 16-46V

Weight/Dimensions (H x W x D)

821 lbs. (372 kg)

30.7 x 22.25 x 39.0 in.
(781 x 565 x 991 mm)

Industrial DC Multi-Process Welder

The DC-1000 offers 1300 amps of smooth DC output, combining pure welding power with multi-process flexibility for semiautomatic and automatic welding.

FEATURES

- ▶ **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.
- ▶ **Terminal strip and output studs** - for remote connections and cable.
- ▶ **Low profile case** - allows installation under a workbench and for stacking up to 2 machines to conserve floor space.
- ▶ **Removable side panels** - for easy access to internal parts.
- ▶ **Internal components** - including windings, rectifiers and circuit boards, are coated to protect against the effects of moisture and corrosion.
- ▶ **Seven-year warranty** - on power rectifier.

*K1387-14 is SAW only.

APPLICATIONS

- ▶ Fabrication
- ▶ Heavy Equipment
- ▶ Pressure Vessel
- ▶ Shipbuilding
- ▶ Transportation
- ▶ Construction



WHAT'S INCLUDED

K1386-3 Includes:

- ▶ Analog ammeter and voltmeter.
- ▶ Fuse protected 115V wire feeder auxiliary power.

Recommended Wire Feeders:

- ▶ LT-7
- ▶ NA-3
- ▶ NA-5

INPUT



(1) K1387-3 and K1387-6 only

OUTPUT



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LINCOLN
ELECTRIC



Two Year Extended
Warranty Available in
the U.S.A. and Canada.

KEY CONTROLS

1. Ammeter/Voltmeter
2. Weld Terminals On or Remotely Controlled
3. Output Control
4. Welding Mode Switch
5. Local/Remote Switch
6. On/Off Pushbutton
7. Power Source Pilot Light



RECOMMENDED ACCESSORIES

GENERAL OPTIONS



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



Remote Output Control
For remote output of welding current or voltage. Consists of control box with 25 or 100 ft. (7.6 or 30 m) of four conductor cable and 6 pin MS-type connector. Requires K843 adapter.
Order K857 for 25 ft. (7.6 m)
Order K857-1 for 100 ft. (30 m)



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



Factory Undercarriage
For moving by hand on smooth surface floors. Heavy-duty, puncture-resistant (inner tube and sealant) tires and front caster. Convenient steering handle.
Order K1770-3 - Flat-Free Tires
Order K1770-2 - Pneumatic Tires



All-Terrain Undercarriage
For moving by hand at construction sites. Maneuvers over obstacles. Heavy-duty puncture-resistant (inner tube and sealant) tires.
Order K1737-3 - Flat-Free Tires
Order K1737-4 - Pneumatic Tires



Weld Fume Control Solutions
Lincoln Electric offers a wide variety of weld fume control solutions, ranging from portable systems easily wheeled around the shop to shop-wide central systems servicing many dedicated welding stations.
Request Publication MC08-70



WIRE FEEDER OPTIONS

LT-7 Tractors
Self-propelled mechanized wire feeder, designed for the submerged arc process with track system capabilities.
Order K227-1 Standard Model
Order K395-1 Track Model



Flex Feed 74 HT
Four drive-roll, high-torque, industrial semiautomatic wire feeder for general/structural fabrication
See Publication E8.203



Flex Feed 84 Single Bench
Four drive roll feeder with heavy duty wire reel stand for general/structural fabrication
See Publication E8.205



NA-3 and NA-5 Automatic Wire Feeders
These automatic drive heads and controls are designed for hard automation applications with FCAW-S, GMAW or SAW processes.
Request Publication E9.10

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Idealarc [®] DC-1000	K1386-3	230/460/3/60	1000A/44V/100%	193/96.5A	16-46V 150-1300A	30.7 x 22.25 x 39.0 (781 x 565 x 991)	821 (372)
	K1386-4	575/3/60		77.2A			
	K1387-3	220/380/440/3/50/60		193/112/96.5A			
	K1387-6	415/3/50/60		102A			
Idealarc DC-1000 CE/CCC	K1387-14	380/440/3/50/60		112/96.5A			

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

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