

# Idealarc® DC-1000

**TPS**  
WeldTech

## Processes

MIG, Flux-Cored, Submerged Arc,  
Gouging

## Product Number

K1386-3  
K1386-4  
K1387-3 (CE)  
K1387-6

*See back for complete specs*

## 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

## 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.

### 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
- ▶ LN-8
- ▶ LN-9
- ▶ NA-3
- ▶ NA-5

### INPUT



(1) K1387-3 and K1387-6 only

### OUTPUT



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



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## 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 K1770-1



**All-Terrain Undercarriage**  
For moving by hand at construction sites. Maneuvers over obstacles. Heavy-duty puncture-resistant (inner tube and sealant) tires.  
Order K1737-1



**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



**LN-8 and LN-9 Semiautomatic Wire Feeders**  
The LN-8 and LN-9 are ideal for shop or field operations.  
Order K297 LN-8  
Order K357-1 LN-9



**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 (CE Model)	220/380/440/3/50/60		193/112/96.5A			
	K1387-6	415/3/50/60		102A			