

# Idealarc® CV400, CV500-I

## Processes

MIG, Flux-Cored

## Product Number

K1346-13 CV400 230/460/3/60  
 K1346-22 CV400 230/460/575/3/60  
 K2439-2 CV400/LF-72 Ready-Pak®  
 K2496-2 CV400/LF-74 Ready-Pak®  
 K1347-22 CV500-I 220/380/440/3/50/60

See back for complete specs

## Input Power

CV400: 230/460/3/60  
 230/460/575/3/60  
 CV500-I: 220/380/440/3/50/60

## Input Current at Rated Output

77/39A (230/460 model)

## Rated Output

400A/36V/100% Duty Cycle

## Output Range

60-500A, 12-42V

## Weight/Dimensions (H x W x D)

383 Lbs. (174 Kg)

27.5 x 22.2 x 32 in.

(699 x 564 x 813 mm)

## Rugged, Proven Construction for Wire Welding.

The rugged CV400 and CV500-I are ready to tackle MIG and cored wire fabrication and production work in a variety of industries: transportation, heavy equipment, structural steel, railroad, furniture, appliances and sheet metal fabrication. Simple fixed inductance, time-proven technology and heavy-duty construction will deliver years of reliable performance.

## FEATURES

- ▶ **Lincoln Electric unique fixed inductance design** - Delivers exceptional short-circuit metal transfer characteristics.
- ▶ **115V and 42V wire feeder auxiliary power** - With circuit breaker protection.
- ▶ **Connect wire feeders via either** - 14-pin MS-type or terminal strip.
- ▶ **Internal components, including windings, rectifiers and circuit boards** - Coated to protect against the effects of moisture and corrosion.
- ▶ **Seven year warranty on the output rectifier.**

## APPLICATIONS

- ▶ **Metal Fabrication**
- ▶ **Repair & Maintenance**



Shown: K1346-13

## WHAT'S INCLUDED

CV400 / LF-72 Ready-Pak® Package  
 Order K2439-2

- ▶ CV400 Power Source (K1346-13)
- ▶ LF-72 Bench Model, Heavy Duty (Heavy Duty Wire Reel Stand)
- ▶ .035-.045 in. (0.9-1.1 mm) Drive Rolls for Solid Wire
- ▶ Heavy Duty Wire Reel Stand
- ▶ Control Cable – 10 ft. (3.0 m)
- ▶ Weld Power Cable – 10 ft. (3.0 m)
- ▶ Work Clamp
- ▶ 15 ft. (4.5 m) Magnum® PRO 350 gun and cable assembly with .035-.045 in. (0.9-1.1 mm) liner
- ▶ Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit.

## INPUT



## OUTPUT



Two Year Extended  
 Warranty Available in  
 the U.S.A. and Canada  
 (CV400 only).

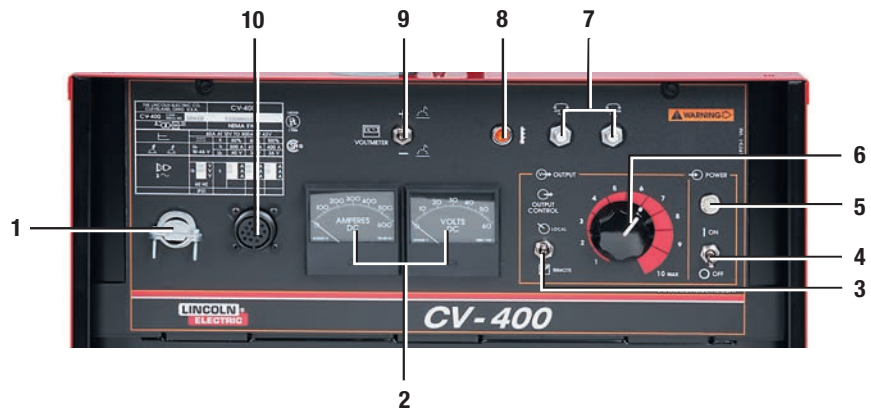
## RECOMMENDED FEEDERS

- ▶ LF-72
- ▶ LF-74
- ▶ LN-8 and LN-9
- ▶ LN-10 and DH-10
- ▶ LN-25 PRO and LN-25 PRO Dual Power



## KEY CONTROLS

1. Strain Relief for Terminal Strip Connection
2. Analog Amps & Volts Meters
3. Local/Remote Control Switch
4. Input Power On/Off Switch
5. Input Power Pilot Light
6. Output Voltage Control Knob
7. Circuit Breakers
8. Thermal Overload Light
9. Voltmeter Polarity Switch
10. 14-Pin MS Type Connector



## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS

#### 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. (7.6 m)  
**Order K857-1** for 100 ft. (30 m)

#### Remote Control Adapter

Y connection adapter for connecting K857 Remote Output Control (6-pin plug connection) and wire feeder input cable (14-pin plug connection) to power source 14-pin receptacle.  
**Order K864**

#### Undercarriage

Platform undercarriage with mountings for two gas cylinders at rear of welder.  
**Order K841**

#### Jumper Plug Kit

Required to close the contactor in the power source when the power source is used with a remote output contactor such as the contactor in the K449 LN-25, or K1870-1 LN-15 wire feeder.  
**Order K484**

#### Welding Fume Extractors

Lincoln Electric offers a wide variety of welding fume extraction environmental system solutions, ranging from portable systems easily wheeled around the shop to shop-wide central systems servicing many dedicated welding stations.  
**Request Publication MC08-70**

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
CV400	K1346-13 (w/meters)	230/460/3/60	400A/36V/100% (450A/38V/60%)	77/39A (80/40A)	60-500A 12-42V	27.5 x 22.2 x 32 (699 x 564 x 813)	383 (174)
	K1346-22 (w/meters)	230/460/575/3/60		77/39/31A (80/40/32A)			
CV400/LF-72 Ready-Pak®	K2439-2	230/460/3/60		77/39A (80/40A)		42.8 x 22.2 x 32 (1087 x 564 813)	475 (215)
CV400/LF-74 Ready-Pak®	K2496-2						
CV500-I	K1347-22	220/380/440/3/50/60	500A/40V/50%	83/48/42A		27.5 x 22.2 x 32 (699 x 564 x 813)	402 (182)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

### 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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.