

# Idealarc® CV305, CV400-I

## Processes

MIG, Flux-Cored

## Product Number

K2400-1 CV305 - 208/230/460/3/60  
 K2400-2 CV305 - 230/460/575/3/60  
 K2395-2 CV305/LF-72 Ready-Pak®  
 K2402-1 CV400-I 220/380/440/3/50/60

See back for more specs

## Input Power

CV305: 208/230/460/3/60  
 230/460/575/3/60

CV400-I: 220/380/440/3/50/60

## Input Current @ Rated Output

51/48/24A  
 48/24/20A

## Rated Output

315/32.6V/100% Duty Cycle

## Output Range

50-400A

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

300 lbs. (136 kg)

24.6 x 19.5 x 27.0 in.  
 (625 x 495 x 686 mm)

## You won't find a more reliable power source.

This unit is the most compact unit in its class, yet it's loaded with convenient features! A digital meter, line voltage compensation and remote/local control are all standard.

### FEATURES

- ▶ **Two output connectors** – Allow you to connect to high or low inductance for optimal arc control. Use low inductance output connection when short-arc welding, and high inductance output connection with spray and globular transfer welding.
- ▶ **Digital Ammeter/Voltmeter** – Display allows presets for added convenience and accuracy.
- ▶ **Easy access Twist Mate™ connection** – On the front of the machine.
- ▶ **Quality & Reliability** – Environmentally protected transformer and power rectifier are rugged and reliable.
- ▶ **Seven-year warranty on power rectifier.**

### APPLICATIONS

- ▶ **Metal Fabrication**



Shown K2400-1

### WHAT'S INCLUDED

CV305/LF-72 Wire Feeder Ready-Pak® Package.

Order K2395-2

- ▶ CV305 Power Source (208/230/460/3/60)
- ▶ LF-72 Bench Model (Two Roll) Wire Feeder with standard wire reel stand, 10 ft. (3.0 m) control cable, and .035-.045 in. (0.9 - 1.1 mm) solid wire drive roll and guide tube kit.
- ▶ 15 ft. (4.5 m) Magnum® PRO 350 Gun and Cable Assembly with .035-.045 in. (0.9-1.1 mm) liner.
- ▶ Work [15 ft. (4.5 m)] and Wire Feeder [10 ft. (3.0 m)] Power Cables Package.
- ▶ Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit.

### INPUT



### OUTPUT



Two Year Extended Warranty  
 Available on CV305  
 in the U.S.A. and Canada

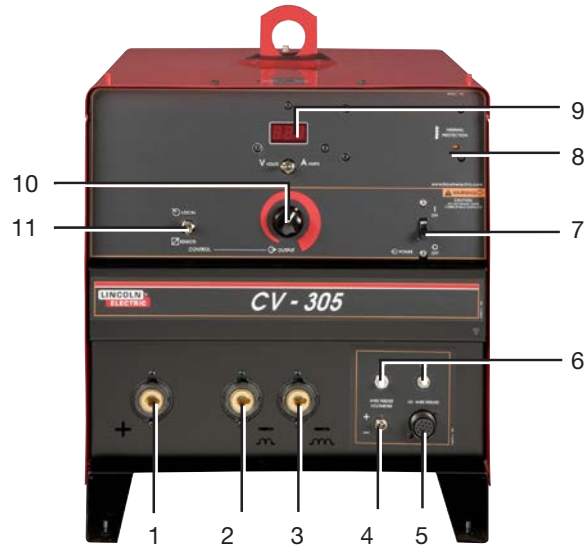
### RECOMMENDED FEEDERS

- ▶ LF-72
- ▶ LF-74
- ▶ LN-25 PRO



## KEY CONTROLS

1. Positive Twist Mate™ output connector
2. Low inductance negative Twist Mate™ output connector
3. High inductance negative Twist Mate™ output connector
4. Voltmeter polarity switch
5. 14-pin MS-type wire feeder connector
6. Circuit breakers
7. “On/Off” power switch
8. Thermal trip indicator light
9. Digital Ammeter/Voltmeter display with switch
10. Output control knob
11. Remote/Local control switch



## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS



#### Remote Output Control

For remote output of welding 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.  
**Order K857** for 25 ft. (7.6 m)  
**Order K857-1** for 100 ft. (30 m)

#### Remote Control Cable 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**



#### Twist Mate™ Cable Plug

For connecting welding cable to output terminal receptacles. For 1/0 – 2/0 (50 – 70 mm<sup>2</sup>) cable.  
**Order K852-70**

#### Twist Mate™ Cable Plug

For connecting welding cable to output terminal receptacles. For 2/0 – 3/0 (70 – 95 mm<sup>2</sup>) cable.  
**Order K852-95**

#### 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**



#### Undercarriage

Platform undercarriage with mounting for two gas cylinders at rear of welder.  
**Order K874**



#### Welding Fume Extractors

Lincoln 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)
CV305	K2400-1	208/230/460/3/60	315/32.6V/100%	51/48/24A	50-400A	24.6 x 19.5 x 27.0 (625 x 495 x 686)	300 (136)
	K2400-2	230/460/575/3/60		48/24/20A			
CV400-I	K2402-1	220/380/440/3/50/60		60/35/30A		24.6 x 19.5 x 27.0 (625 x 495 x 686)	300 (136)
CV305/LF-72 Ready-Pak®	K2395-2	208/230/460/3/60	51/48/24A	47.7 x 25.5 x 33.0 (1212 x 648 x 838)	423 (192)		

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

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