

Idealarc® CV-305, CV400-I

Processes

MIG, Flux-Cored

Product Number

K2400-1 CV-305 - 208/230/460/3/60
 K2400-2 CV-305 - 230/460/575/3/60
 K2395-2 CV-305/LF-72 Ready-Pak®
 K2402-1 CV400-I 220/380/440/3/50/60

See back for more specs

Input Power

CV-305: 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)

330 lbs. (149 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

CV-305 / LF-72 Wire Feeder Ready-Pak® Package.

Order K2395-2

- ▶ CV-305 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-.052 in. (0.9 - 1.3 mm) solid wire drive roll and guide tube kits.
- ▶ 15 ft. (4.5) Magnum® PRO 350 Gun and Cable Assembly w/.035-.045 in (0.9-1.2 mm) liner.
- ▶ Work [15 ft. (4.5 m)] and Wire Feeder [10 ft. (3.0 m)] Power Cables Package.
- ▶ Harris® Flowmeter Regulator and Gas Hose.

INPUT



OUTPUT



Two Year Extended Warranty Available on CV-305 in U.S.A. and Canada

RECOMMENDED FEEDERS

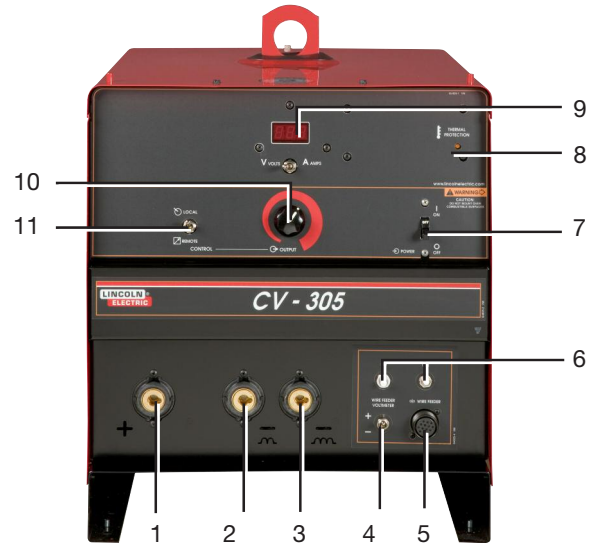
- ▶ LF-72
- ▶ LF-74
- ▶ LN-25 PRO



THE LINCOLN ELECTRIC COMPANY

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 TO EXPAND MACHINE CAPABILITIES

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 mm²) cable.
Order K852-70



Twist Mate™ Cable Plug

For connecting welding cable to output terminal receptacles. For 2/0 – 3/0 (70 – 95 mm²) 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 MC05-183

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)
CV-305	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)	330 (149)
	K2400-2	230/460/575/3/60		48/24/20A			330 (149)
CV400-I	K2402-1	220/380/440/3/50/60	315/32.6V/100%	60/35/30A	50-400A	24.6 x 19.5 x 27.0 (625 x 495 x 686)	330 (149)
CV-305/LF-72 Ready-Pak®	K2395-2	208/230/460/3/60		51/48/24A			448 (203)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit 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.

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THE WELDING EXPERTS®