**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*

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**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**

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**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) 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**

- 3 Phase
- 60 Hz

**OUTPUT**

- CV DC

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**ISO 9001:2008**

22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.

**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 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 K848

Undercarriage
Platform undercarriage with mounting for two gas cylinders at rear of welder.
Order K674

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

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Input Power</th>
<th>Rated Output Current/Voltage/Duty Cycle</th>
<th>Input Current @ Rated Output</th>
<th>Output Range</th>
<th>H x W x D (inches)</th>
<th>Net Weight lbs. (kg)</th>
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</thead>
<tbody>
<tr>
<td>CV305</td>
<td>K2400-1</td>
<td>208/230/460/3/60</td>
<td>315/32.6V/100%</td>
<td>51/48/24A</td>
<td>50-400A</td>
<td>24.6 x 19.5 x 27.0</td>
<td>300 (136)</td>
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<td></td>
<td>K2400-2</td>
<td>230/460/575/3/60</td>
<td></td>
<td>48/24/20A</td>
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<td>50-400A</td>
<td>24.6 x 19.5 x 27.0</td>
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<td>CV400-I</td>
<td>K2402-1</td>
<td>220/380/440/3/50/60</td>
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<td>60/35/30A</td>
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<td>24.6 x 19.5 x 27.0</td>
<td>300 (136)</td>
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<tr>
<td>CV305/LF-72 Ready-Pak</td>
<td>K2395-2</td>
<td>208/230/460/3/60</td>
<td></td>
<td>51/48/24A</td>
<td></td>
<td>47.7 x 25.5 x 33.0</td>
<td>423 (192)</td>
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For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details

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