

# CV-400

## Rugged, Proven Construction for Wire Welding

The rugged CV-400 is 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.

### Processes

MIG, Flux-Cored, Gouging



### Output



### Input



## Advantage Lincoln

- Lincoln's 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, are coated to protect against the effects of moisture and corrosion.
- Electronic and thermostatic protection from current overload and excessive temperatures. Indicator light lets you know when machine is reset.
- Three year warranty on parts and labor.
- Seven year warranty on the power rectifier.

## TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions H x W x D inches (mm)	Net Weight lbs.(kg)
CV-400	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			

## A CLOSER LOOK

### PERFORMANCE

- Provides line voltage compensation for maintaining weld consistency, even with changes of  $\pm 10\%$ .
- Full output control potentiometer lets operator accurately regulate power levels.
- Excellent arc stability and weld consistency.

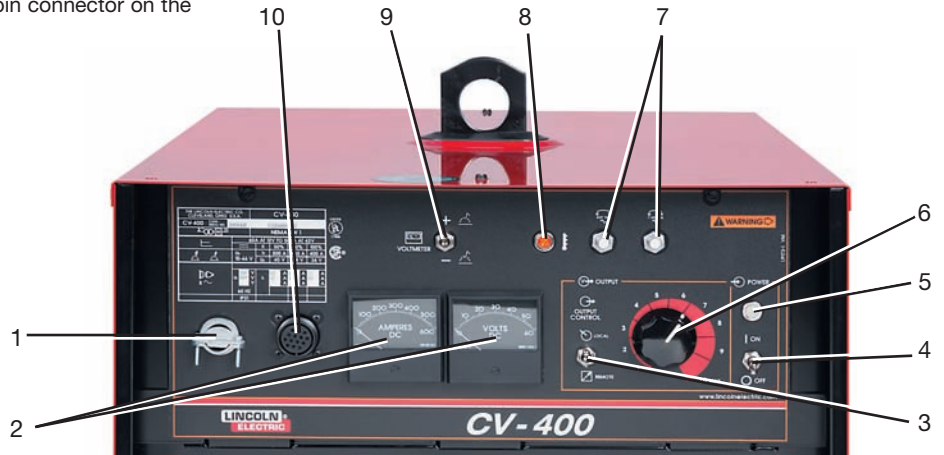


### FEATURES

- Quick, simple 14-pin MS-type (amphenol) wire feeder connection.
- Low flat-top case can be placed under a workbench or stacked on top of each other for smaller footprint.
- Remote control of output is possible via 14 pin connector on the control panel or terminal strip connection.
- Thermal trip indicator light.
- "Cold" electrode with a solid state contactor when the trigger is released for added safety.

#### 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



### QUALITY AND RELIABILITY

- Electronic and thermostatic protection from current overload or excessive temperatures.
- Solid state circuitry provides extra long life during repetitive applications.
- Three-year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.

### SYSTEM SELECTION

#### Ready-Pak® Packages

Take the hassle out of ordering. Order a Ready-Pak pre-assembled welding package.

#### CV-400 / LF-74 Ready-Pak Package Order K2496-1

**NEW!**

#### CV-400 / LF-72 Ready-Pak Package Order K2439-1

**NEW!**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• CV-400 Power Source (K1346-13)</li> <li>• LF-74 Bench Model, Heavy Duty (Heavy Duty Wire Reel Stand)</li> <li>• .045" Drive Rolls for Solid Wire</li> <li>• Heavy Duty Wire Reel Stand</li> <li>• Control Cable – 10 ft. (3.0m)</li> <li>• Weld Power Cable – 10 ft. (3.0m)</li> <li>• Work Clamp</li> <li>• Magnum 400 MIG Gun with 15 ft. cable (4.5m)</li> <li>• Harris Flowmeter Regulator and Gas Hose</li> </ul> | <ul style="list-style-type: none"> <li>• CV-400 Power Source (K1346-13)</li> <li>• LF-72 Bench Model, Heavy Duty (Heavy Duty Wire Reel Stand)</li> <li>• .035"-.045" Drive Rolls for Solid Wire</li> <li>• Heavy Duty Wire Reel Stand</li> <li>• Control Cable – 10 ft. (3.0m)</li> <li>• Weld Power Cable – 10 ft. (3.0m)</li> <li>• Work Clamp</li> <li>• Magnum 400 MIG Gun with 15 ft. cable (4.5m)</li> <li>• Harris Flowmeter Regulator and Gas Hose</li> </ul> |
|---|---|



Shown: CV-400 / LF-72 Ready-Pak™ Package

## A CLOSER LOOK

### Typical MIG Welding Systems

#### CV-400 / LN-742 Wire Feeder

Best for applications where more process control is required – for arc starting, welding and crater control!

• CV-400 Power Source	K1346-13
• LN-742 (Two Roll) Wire Feeder	K617-1
• Control Cable – 10 ft. (3.0m)	K1819-10
• .045" (1.2mm) Drive Roll & Guide Tube Kit	KP653-052S
• Universal Stand	K1524-1
• Swivel Platform	K1557-1
• Magnum 400 Gun & Cable Assembly and Connector Kit	K2286-1 <sup>(1)</sup>
• 600 Amp Weld Cable	K1842-10 <sup>(2)</sup>
• Work Clamp	K910-2
• Harris Flowmeter Regulator and Gas Hose	K586-1
• Undercarriage (twin cylinder)	K841

#### CV-400 / LN-10 Wire Feeder

Where premium welding performance and control is demanded – this system delivers!

• CV-400 Power Source	K1346-13
• LN-10 Wire Feeder	K1559-3
• .045" (1.2mm) Drive Roll & Guide Tube Kit	K1505-045S
• Swivel Platform	K1557-1
• Magnum 400 Gun & Cable Assembly and Connector Kit	K471-21 <sup>(1)</sup>
• 600 Amp Weld Cable	K1842-10 <sup>(2)</sup>
• Work Clamp	K910-2
• Harris Flowmeter Regulator and Gas Hose	K586-1
• Undercarriage (twin cylinder)	K841

#### CV-400 / DH-10 Wire Feeder

For maximum welding flexibility – select the DH-10 dual feeder. Weld with two different types and sizes of wire – with two different welding procedures!

• CV-400 Power Source	K1346-13
• DH-10 Wire Feeder	K1499-3
• .045" (1.2mm) Drive Roll & Guide Tube Kit	KP1505-045S <sup>(2)</sup>
• Magnum 400 Gun & Cable Assembly and Connector Kit	K471-21 <sup>(1)(2)</sup>
• 600 Amp Weld Cable	K1842-10 <sup>(2)</sup>
• Work Clamp	K910-2
• Harris Flowmeter Regulator and Gas Hose	K586-1
• Undercarriage (twin cylinder)	K841

<sup>(1)</sup>Fully assembled, gun connector included.

<sup>(2)</sup>Two required.

## RECOMMENDED OPTIONS

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



#### 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**

**CV-400 ORDER FORM**

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
CV-400 with meters 230/460/3/60	K1346-13		
CV-400 with meters 230/460/575/3/60	K1346-22		
<b>Ready-Pak® Package</b>			
CV-400/LF-72	K2439-1		
CV-400/LF-74	K2496-1		
<b>Recommended General Options</b>			
Remote Output Control, 25 ft. (7.6m)	K857		
100 ft. (30m)	K857-1		
Remote Control Adapter	K864		
Undercarriage	K841		
Jumper Plug Kit	K484		
<b>Recommended Wire Feeder Options</b>			
LF-72, LF-74	See publication E8.11		
LN-742	See publication E8.20		
LN-8	See publication E8.30		
LN-9	See publication E8.50		
LN-9 GMA	See publication E8.50		
LN-10	See publication E8.200		
DH-10	See publication E8.200		
LN-15	See publication E8.60		
LN-25	See publication E8.100		
Cobramatic®	See publication E8.300		
NA-3	See publication E9.10		
NA-5	See publication E9.30		
NA-5R	See publication E9.45		
	TOTAL:		

**CUSTOMER ASSISTANCE POLICY**

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22801 St. Clair Ave., Cleveland, OH 44117-1199 • 216.481.8100 • [www.lincolnelectric.com](http://www.lincolnelectric.com)