

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			

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



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



- CV-400 Power Source (K1346-13)
- LF-74 Bench Model, Heavy Duty (Heavy Duty Wire Reel Stand)
- .045" Drive Rolls for Solid Wire
- Heavy Duty Wire Reel Stand
- Control Cable – 10 ft. (3.0m)
- Weld Power Cable – 10 ft. (3.0m)
- 10 ft. (3.0m) Work Cable & Clamp
- Magnum 400 MIG Gun with 15 ft. cable (4.5m)
- Harris Flowmeter Regulator and Gas Hose

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- LF-72 Bench Model, Heavy Duty (Heavy Duty Wire Reel Stand)
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- Harris Flowmeter Regulator and Gas Hose



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

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⁽¹⁾
- 600 Amp Weld Cable K1842-10⁽²⁾
- 10 ft. (3.0m) Work Cable & 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⁽¹⁾
- 600 Amp Weld Cable K1842-10⁽²⁾
- 10 ft. (3.0m) Work Cable & 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⁽²⁾
- Magnum 400 Gun & Cable Assembly and Connector Kit K471-21⁽¹⁾⁽²⁾
- 600 Amp Weld Cable K1842-10⁽²⁾
- 10 ft. (3.0m) Work Cable & Clamp K910-2
- Harris Flowmeter Regulator and Gas Hose K586-1
- Undercarriage (twin cylinder) K841

⁽¹⁾Fully assembled, gun connector included.

⁽²⁾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		
Ready-Pak® Package			
CV-400/LF-72	K2439-1		
CV-400/LF-74	K2496-1		
Recommended General Options			
Remote Output Control, 25 ft. (7.6m)	K857		
100 ft. (30m)	K857-1		
Remote Control Adapter	K864		
Undercarriage	K841		
Jumper Plug Kit	K484		
Recommended Wire Feeder Options			
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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