



A combination of superb arc characteristics, excellent feeding and ergonomic design

The CV405-I complete with the Linc feed wire feed system has been designed and engineered to provide our customers with a unique combination of traditional heavy duty thyristor controlled power source with a rugged and reliable four-roll wire feed system. In addition a programmable wire feed unit can be added giving the machine a full synergic capability.

The LINC Feed wire feed units have been designed utilising the latest technology to provide optimum flexibility and versatility in a modular design.

CV405-I and LINC feeders are the first MIG/MAG machines from the new Lincoln Electric semi-automatic series.

Europe

Asia-Pacific

Latin America

North America

Russia

Africa

Middle East

WELDING AND CUTTING SERVICES

LINCOLN
ELECTRIC

The **welding** experts



ADVANTAGES

- ✓ The CV405-I has superb arc welding characteristics in short and spray arc to support most welding applications
- ✓ Excellent duty cycle, tested at 40°C with an output of 400A at 60% making it suitable for welding with both solid and cored wires
- ✓ Two inductance positions allow the operator to choose the optimum output characteristics for specific welding applications
- ✓ CV405-I power source is mounted on a four-wheel undercarriage with cylinder carrier and supplied with pushing and pulling handles
- ✓ Factory fitted integral storage unit for tools and accessories
- ✓ The CV405-I can be water-cooled just by adding the Magnum 10 water-cooler
- ✓ Mains voltage compensation for maintaining a consistent welding output
- ✓ Electronic and thermostatic protection for over-current and over-temperature with thermal indicator light
- ✓ Designed the Lincoln way; rugged and reliable
- ✓ Two years parts and labour warranty
- ✓ Thyristor controlled, giving infinite control of the voltage setting



The CV405-I power source and LINC feed wire feeder is from our new generation of semi-automatic welding packages. The CV405-I power source has been developed utilising traditional Lincoln rugged and reliable technology, making it suitable for use in the most arduous of environments.

The LINC feed wire feeder has been uniquely designed to provide optimum flexibility with all the welding controls located in the wire feeder, allowing easy adjustment of the welding parameters.

When combined these products provide the welder with only one choice - LINCOLN!

The modular design of the CV405-I power source allows the machine to be supplied as either an air-cooled unit as standard or water-cooled machine. By simply adding the Magnum 10 water-cooler, this machine is transformed from an air-cooled unit to a water-cooled package.



ADVANTAGES

- ✓ Industry standard four-roll wire feed unit to provide excellent feeding
- ✓ Ergonomically designed to provide user friendly controls, supported with a digital display allowing ease of operation and smooth wire feeding from the spool to the contact tip
- ✓ A uniquely designed 'fliptop' cover provides protection to the wire drive mechanism
- ✓ The LF wire feeder has been designed for operation in conjunction with a boom, mounted on an optional undercarriage or fitted on top of the power source
- ✓ The digital display on these units allows pre-setting of the welding parameters before welding and read-out during welding
- ✓ The LF 30 features 2/4 Stroke, Craterfill and Soft/ Hot start as standard
- ✓ Special features available with the LF 31 are complete synergic capability and memory for pre-set job selection
- ✓ Water flow sensing as standard on the water-cooled versions
- ✓ Designed the Lincoln way; rugged and reliable
- ✓ Two years parts and labour warranty



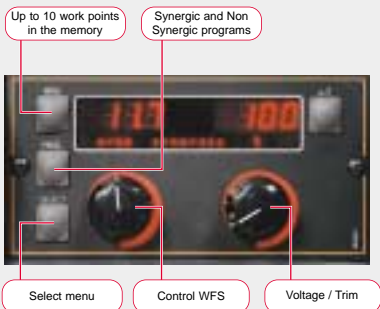
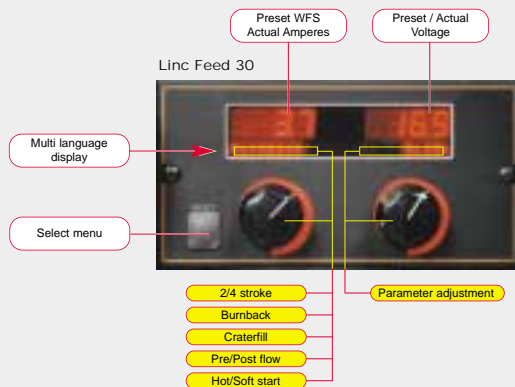
LINC FEED wire feeder designs combine both a rugged build quality with an ergonomic and easy to use operating system ideal for any welder's needs.

All LINC FEED feeders are equipped with the same industry standard rugged four-roll drive system protected by the new robust 'fliptop' cover. The LF feeders have been fitted with a 'tangle free wire' guidance system from

the coil to gun tip, guaranteeing and providing smooth and trouble-free welding.

The flexibility of the LF feeders mean that they can be mounted on an optional undercarriage or mounted on a boom. Both the LF30 and 31 feeders have unique digital displays showing the presettable/actual welding parameters and a multi language text display.

The LINC FEED 30 as standard provide 2/4 Stroke, Burn Back, Hot/Soft Start and Craterfill settings which can be viewed by using the Select push button. The display will show the function and setting in the language of your choice.



The LINC FEED 31 features all the same settings as the LF30 plus an additional set of synergic programmes and memory allowing up to 10 pre-set jobs to be stored. These programmes can be easily recalled from the feeder or remote control. Switching from one programme to another is possible even with the remote control. Both the LINC FEED 30 and 31 are designed to work with Lincoln analogue power sources such as CV405, CV500, V350PRO and others.

CV405-I

TECHNICAL SPECIFICATIONS

Product Name	Part Number	Input Voltage	Protection Class	Isolation Class	Weight KG	Dimensions LxHxW (mm)	System	Auxiliary Power	Operating Temperature
CV405-I Air-cooled	K10354-1	230/400V 3Ph	IP23	H	148	1050 x 780 x 670	Analog	230V 3.5A	-20C <> 40C
CV405-I Water-cooled	K10354-1W	230/400V 3Ph	IP23	H	166	1050 x 780 x 670	Analog	42V 10A	-20C <> 40C

Product Name	Current Range		Duty Cycles at 40°C		O.C.V.	Primary Cable	Workcable & Clamp	Cooler	Undercarriage	Swivel Platform
	Amperage	Voltage	60%	100%						
CV405-I Air-cooled	50-400A	10-43V	400A	300A	10-43V (50V max)	X	X		X	X
CV405-I Air-cooled	50-400A	10-43V	400A	300A	10-43V (50V max)	X	X	X	X	X

LINC FEED 30/31

TECHNICAL SPECIFICATIONS

Product Name	Part Number	Input Voltage	Weight KG	Dimensions LxHxW (mm)	System	Wire Diameter	WFS M/Min
LINC FEED 30	K10340-30-1-A	42V AC	21.3	753x470x295	Analog	0.8-1.6 mm	2-20
LINC FEED 30 Water	K10340-30-1-W	42V AC	21.3	753x470x295	Analog	0.8-1.6 mm	2-20
LINC FEED 31	K10340-31-1-A	42V AC	21.3	753x470x295	Analog	0.8-1.6 mm	2-20
LINC FEED 31 Water	K10340-31-1-W	42V AC	21.3	753x470x295	Analog	0.8-1.6 mm	2-20

	V+A	Presetting	2/4 Stroke	Burnback	Preflow	Postflow	Craterfill	Hot/Soft Start	Synergic	Memory	Multi Language
LINC FEED 30	X	X	X	X	X	X	X	X			X
LINC FEED 31	X	X	X	X	X	X	X	X	X	X	X

ACCESSORIES

Type	Length	Part Number
Air-Cooled	3m	K10347-PG
	5m	K10347-PG-5m
	10m	K10347-PG-10m
Water-Cooled	3m	K10347-PGW
	5m	K10347-PGW-5m
	10m	K10347-PGW-10m

MAGNUM 10

Input Voltage	230V 1Ph
Tank Capacity	8 litres
Cooling Capacity	400A 60%

ACCESSORIES

Part Number	Description
K103353-1	Remote Control + 5M cable
K10343	Innershield gun adapter
K10339	Undercarriage LINC FEED

DISTRIBUTED BY

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