



# HIGH OUTPUT RELIABLE WORKHORSE

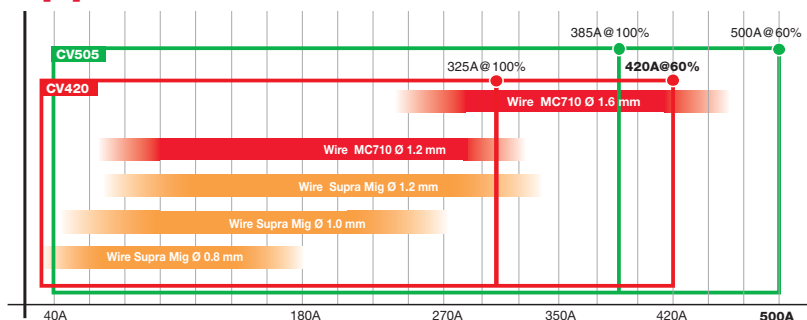
The Idealarc CV420 and CV505 are industrial power sources for heavy-duty applications. Both power sources are designed to operate in heavy environmental conditions. This can be shipyards or offshore yards outside. Therefore the machines are truly meeting IP23 allowing operation in any adverse conditions. Also, all the sensitive components are enclosed in a compartment free from dust and separated from the airflow needed to cool the machine. There is only one PCB completely encapsulated for maximum protection.

We rated the machines 60% at 420 and 500 Amps and, as with all Lincoln machines, tested at an outside temperature of 40 °C. Such a rating will allow you to weld solid and cored wires at 100 % duty with the CV420 and 100% for large diameter solid and cored wires with the CV505.

Both power sources will work with the analog controlled feeders from Lincoln. Recommended however is the combination with LF33. With this feeder we focussed on ruggedness, dimensions and ease of use. The result is an incredibly rugged, protective casing with the primary controls on the outside. The secondary controls are securely enclosed within the protective casing close to the wire drive. The feeders come as standard with an undercarriage, for use under tough industrial conditions.

The extensive set of features of the LF33 includes 2/4-step, run-in, wire inch and gas purge. Two clear digital meters display the welding Voltage and Amperage. Like all Lincoln machines the Idealarc CV420 and 505 are designed with the application in mind.

## Application and selection chart



## ADVANTAGES

- ✓ Two reliable workhorses with a high duty cycle to support your application.
- ✓ Potted and Encapsulated Printed Circuit Board controls in separate dust free compartment.
- ✓ Different feeders for construction and shipyard, all with meters, with or without synergic or memory; just select the feeder of your choice.
- ✓ Superb Arc behavior with Argon Mix and 100%Co2.
- ✓ Water and Air cooled versions available
- ✓ All drives are equipped with an excellent wire drive system with two or four large drive rolls and powerful motor.
- ✓ Electronic feedback system on the wire drive will guarantee consistent wire feed speed.
- ✓ LF33 small rugged and easy to handle feeder with bright digital Voltage and Amp meter.
- ✓ Completed with an extensive set of features.
- ✓ Equipped with large diameter wheels, push/pull bar and lifting eyes for full maneuverability.
- ✓ Low cylinder entry for easy loading and unloading of the gas cylinder.
- ✓ Built the Lincoln Way 'RUGGED & RELIABLE'
- ✓ Three Year Parts and Labour Warranty
- ✓ Truly meeting IEC974-1 and CE standards.

## TECHNICAL SPECIFICATIONS

Power Source	Item Number	Cooling	Input Voltage	Input@rated output	Current range	Rated output@40°C 100% duty cycle	Rated output@40°C 60% duty cycle	Dimensions HxWxD	Weight	Protection Class
CV420	K14028-1A	Air	230 / 400V 3Ph	22 KVA @ 60%	30-420A	325A	420A	870x565x1030	134	IP23
CV420	K14028-1W	Water						870x700x1030	155	
CV505	K14029-1A	Air		30 KVA @ 60%	40-500A	385A	500A	870x565x1030	149	
CV505	K14029-1W	Water						870x700x1030	170	

Feeder	Item Number	Cooling	Drive rolls	Wire size	WFS M/Min	Dimensions HxWxD	Weight	Meters	Pre-setting	Crater	Hot/soft start	Synergic	Memory
LF33	K14030-1W	Air/Water	4	0.8-1.6 mm	1-20m/min	440x270x636	17	✓	WFS				
LF34	K14035-1W		4		1,5-20m/min	460x300x533	17	✓	V&WFS	✓	✓		
LF35	K14036-1W		4		1,5-20m/min	460x300x533	17	✓	V&WFS	✓	✓	✓	✓
LF37	K10406		4		1,5-20m/min	356x188x533	16	✓	V&WFS	✓	✓		
LF38	K10407		4		1,5-20m/min	356x188x533	16	✓	V&WFS	✓	✓	✓	✓
LN15	K1871-2		2		1.3-18m/min	304x220x584	13	✓	WFS				

## INTERCONNECTION CABLES

Air	Water	Length
K10347-PG	K10347-PGW	1,5 meter
K10347-PG-5M	K10347-PGW-5M	5 meter
K10347-PG-10M	K10347-PGW-10M	10 meter
K10347-PG-15M	K10347-PGW-15M	15 meter

## OPTIONS

H.D. undercarriage LF33	K14032-1
CO2 Heater connection kit	K14009-1
Remote control LF33	K14034-1

## PACKAGE INCL.

Package Includes	Length
Primary cable	5 meter
Worklead + Clamp	3 meter

LN15 Portable feeder (D200)



LF38 Portable feeder (D300)



LF33 Factory feeder (D300)



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