

## ADVANTAGE

### ► Modular design

Easily converts to water-cooled by adding the Cool Arc® 25

### ► Potted and encapsulated printed circuit board

controls in separate dust free compartments

### ► Extensive Range of Feeders

for construction and shipyards, all with meters, with or without synergy or memory; just select the one of your choice.

### ► Superb arc behaviour

with Argon mix and CO<sub>2</sub>; welding parameters are digitally stabilized by high frequency controller.

### ► Electronic feedback system

the wire drive will guarantee consistent wire feed speed.

### ► Completed

with an extensive set of features.

### ► Built the Lincoln way

Three Years Full Parts and Labour Warranty



# High Output Reliable Workhorses !

The CV425 and CV510 are industrial power sources designed for heavy-duty applications. Both power sources meet IP23 protection which means that they will operate in the most arduous environmental conditions experienced, in such places as shipyards or offshore yards. The machines have been designed so that all the sensitive components are enclosed in a compartment free from dust and separated from the air-flow needed to cool the machine. The PCB within the machines is completely encapsulated which will provide maximum protection from the elements.

Both the CV425 and CV510 power sources are tested at + 40°C and rated at 60% duty cycle. As a result of this rigorous testing and specifications, it allows these machines to operate and weld in any environment at a 100% duty cycle.

Both power sources will operate with all the analogue controlled wire feeders from our range but is more commonly used with the LF33 which provides ruggedness, portability and ease of use. The extensive set of features of the LF33 include:- 2/4-step, run-in, wire inch, gas purge and two-clear digital meters displaying the welding voltage and amperage.

Like all Lincoln machines the CV425 and CV510 are designed with the application in mind.

# CV425 – CV510

## TECHNICAL SPECIFICATIONS POWER SOURCES

Product	Item Number	Primary Voltage 3ph 50/60Hz	Fuse Size (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection Class	Insulation Class	Compliance
CV-425*	K14080-1A	230/400V	63/32A	152	880x696x1020	IP23	H	EN 60974-1 & -10 EN 50199 CE ROHS
	K14080-2A	220/380/440V	63/32/32A					
CV-510*	K14081-1A	230/400V	63/32A	160				
	K14081-2A	220/380/440V	63/32/32A					

\*CV sources are air cooled as standard, easily convertible to water cooled by adding a Cool Arc® 25

## TECHNICAL SPECIFICATIONS WIRE FEEDERS

Product	Item Number	Wire size (mm)		WFS (m/min)	Weight (kg)	Dimensions HxWxD (mm)	Burnback, Gas purge, Cold inch	V/A	Pre setting	Run in	Hot/soft arc / Pre-post flow	Memory / Synergic / Job selection by remote	
		Solid	Cored										
LF33S*	K14051-1	0.8-1.6	1.0-1.6	1.0-20	12	350x195x530	✓	✓	WFS	✓			
LF33	K14030-1W				17	436x270x645	✓	✓	WFS	✓			
LF34	K14035-1W			1.5-20	440x270x636	17	440x270x636	✓	✓	V/WFS	✓	✓	
LF35	K14036-1W					16		✓	✓	V/WFS	✓	✓	✓
LF37	K10406	0.6-1.6	1.0-1.6	1.5-20	16	356x188x534	✓	✓	V/WFS	✓	✓		
LF38	K10407				16			✓	✓	V/WFS	✓	✓	✓

\*Gas flow meter built-in



**LF 33S**  
Yard Feeder (D200)



**LF 33**  
Construction Feeder (D300)



**LF 34**  
Construction Feeder (D300)



**LF 35**  
Construction Feeder (D300)



**LF 37**  
Portable Feeder (D300)



**LF 38**  
Portable Feeder (D300)

## WELDING OUTPUT

Product	Current Range (A)	Input@rated output	Rated Output (40°C)	O.C.V.
CV-425	10-420	23 kVA @ 60%	420 A / 35 V / 60% 325 A / 30.3 V / 100%	10-39Vdc
CV-510	10-500	29.2 kVA @ 60%	500 A / 39 V / 60% 385 A / 33.3 V / 100%	

## ACCESSORIES

Item Number	Description
K10347-PG-XM	Interconnection cables, air cooled
K10347-PGW-XM	Interconnection cables, water cooled
K10413-T-XM	Linc Gun™ range T=420G/410W/500W; X=3/4/5M
K14037-1	Water cooler COOL ARC® 25
K10420-1	Coolant ACOROX (2x5l)
K10158-1	Wire adaptor 15kg Stein basket
K14009-1	CO <sub>2</sub> Socket Kit.
KP14017-X	Feeding rolls X=0,8/1,0/1,2/1,6/1,2A/1,6A/1,1R/1,6R/2,4R
K14082-1	KIT A/V Meter
K14071-2	Grill Kit
K14034-1	Remote control LF33, 6-pin, 5m
K14070-1	Remote control LF33S, 6-pin, 5m
K10353-1	Remote control LF34/35/37/38, 4-pin, 5m

Belgium:  
Lincoln Smitweld Belgium  
Tel: +32 54 33 42 12  
e.mail: info@lincolnelectric.eu

Denmark:  
Lincoln Electric Nordic  
Tel: +45 86 26 51 00  
e.mail: jtimmer@lincolnelectric.eu

Finland:  
Lincoln Electric Nordic  
Tel: +35 8 10 52235 00  
e.mail: jtimmer@lincolnelectric.eu

France:  
Lincoln Electric France  
Tel: +33 2 32 11 40 40  
e.mail: infofr@lincolnelectric.eu

Germany:  
Lincoln Electric Deutschland  
Tel: +49 2102 713960  
e.mail: info@lincolnelectric.eu

Italy:  
Lincoln Electric Italia  
Tel: +39 010 754 111  
e.mail: infoit@lincolnelectric.eu

The Netherlands:  
Lincoln Smitweld  
Tel: +31 24 3522 911  
e.mail: info@lincolnelectric.eu

Norway:  
Sveiseeksperten AS  
Tel: +47 22 08 00 94  
e.mail: info@lincolnelectric.eu

Poland:  
Lincoln Electric Bester  
Tel: +48 74 64 61 100  
e.mail: info@lincolnelectric.eu

Portugal:  
Electro Arco  
Tel: +351 21 238 7300

Russia:  
Lincoln Electric Russia  
Tel: +7 (495) 6609404  
e.mail: russia@lincolnelectric.eu

Spain:  
Lincoln Electric Iberia  
Tel: +34 93 685 96 00  
e.mail: infoes@lincolnelectric.eu

Sweden:  
Svetskompaniet AB  
Tel: +46 (0) 320 211710  
e.mail: infose@lincolnelectric.eu

UK/ Ireland:  
Lincoln Electric UK  
Tel: +44 114 287 2401  
e.mail: info@lincolnelectric.eu