

ADVANTAGE

- ▶ **Potted and encapsulated printed circuit board**
controls in separate dust free compartments.
- ▶ **Different feeders**
for construction and shipyards, both with meters, with all controls conveniently located on the wire feeder including remote voltage control.
- ▶ **Low cylinder entry**
for easy loading and unloading of the gas cylinder.
- ▶ **All controls are conveniently located**
on the wire feeder next to the operator.
- ▶ **LF-33 small rugged and easy to handle feeder** with bright digital Volt and Amp meters.
- ▶ **Superb arc characteristics**
with argon mix and 100% CO₂
- ▶ **Electronic feedback system**
on the wire drive will guarantee consistent wire feed speed.
- ▶ **Equipped with large diameter wheels**
push/pull bar and lifting eyes for full manoeuvrability.
- ▶ **Completed**
with an extensive set of features.



High Output Reliable Workhorses !

The CV-425 and CV-510 are industrial power sources for heavy-duty applications. Both power sources are designed to operate in heavy environmental conditions. These 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 rest of the machine. There is only one PCB and it is completely encapsulated for maximum protection.

The machines are rated 60% at 420 and 500 Amps and, as with all Lincoln machines, tested at an ambient temperature of 40 °C. Such a rating will allow you to weld solid and cored wires at 100 % duty with the CV-425 and 100% for large diameter solid and cored wires with the CV-510.

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 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 CV-425 and 510 are designed with the application in mind.



LF33 Factory feeder (D300)



LF37 portable feeders (D300)

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	415V/400V	32A	152	880x696x1020	IP23	H	AS60974.1 & .10 EN 60974-1 & -10 EN 50199 CE ROHS
CV-510	K14081-1A	415V/400V	32A	160				

TECHNICAL SPECIFICATIONS WIRE FEEDERS

Product	Item Number	Wire size (mm)		WFS (m/min)	Weight (kg)	Dimensions HxWxD (mm)	Burn-back	Digital V/A meters	Pre setting	Run in.	Hot/soft arc
		Solid	Cored								
LF33	K14030-1W	0.8-1.6	1.0-1.6	1.0-20	17	436x270x645	✓	✓	WFS	✓	
LF37	K10406	0.6-1.6		1.5-2.0	16	356x188x534	✓	✓	V/WFS	✓	✓

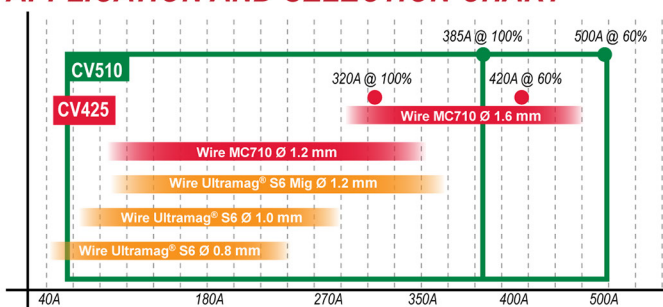
WELDING OUTPUT

Product	Current Range (A)	Input@rated output	Rated Output (40°C)	O.C.V.
Idealarc® CV-425	10-420	23 kVA @ 60%	420 A / 35 V / 60% 325 A / 30.3V / 100%	43Vdc
Idealarc® CV-510	10-500	29.2 kVA @ 60%	500 A / 39V / 60% 385 A / 33.3V / 100%	

ACCESSORIES

Item Number	Description
K10347-PG-10M	Interconnection cables 10m, air cooled
K10347-PG-15M	Interconnection cables 15m, air cooled
K10347-PGW-10M	Interconnection cables 10m, water cooled
K10413-36-4M	LINC Gun® 360G 4m
K10413-42-5M	LINC Gun® 420G 5m
94000605	Powercraft™ No5 4m
GRD-400A-70-10M	Work return lead 10m
K14034-1	Remote control LF-33 6 pin, 5m
K10353-1	Remote control LF-37 4 pin, 5m

APPLICATION AND SELECTION CHART



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ELECTRIC

THE WELDING EXPERTS®