

CV-425 & CV-510

High Output. Reliable Workhorses!

The CV-425 and CV-510 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 CV-425 and CV-510 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. Like all Lincoln machines the CV-425 and 510 are designed with the application in mind.

Features

- Potted and encapsulated printed circuit board controls in separate dust free compartments.
- Different 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 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.



Processes

- MIG
- Flux-cored



Recommended Consumables

- **Steel**
Ultragam[®], Supramig[®], Supramig Ultra[®]
- **Flux-cored**
Innershield[®] NR211-MP, Outershield[®] MC710-H
- **Stainless steel**
LNM 304L, 316L, 309LSi
- **Aluminium**
SuperGlaze[®]

Unit Includes

- Undercarriage
- 5 m-input cable
- Work clamp and cable assembly (3 m)

Recommended Packages

- LF-33 wire feeder 4-roll, 1.0-1.2 mm drive roll
- CV425 or CV510 power source on undercarriage, Input cable, Work clamp and cable assembly + COOL ARC[®] 25 for water cooled version
- 5 m-Interconnection cable, MIG gun and gas regulator

Key Options

- K10429-36-xM MIG gun LGS 360 G – 300A – 3/4/5 m
- K10413-36PHD-xM MIG gun LGP 360 G – 300A – 3/4/5 m
- K10429-505-xM MIG gun LGS 505 W – 450A – 3/4/5 m
- K10413-55PHD-xM MIG gun LGP 550 W – 500A – 3/4/5 m
- K10158-1 Readi-reel mounting stand (15 kg)
- K14037-1 Water cooler COOL ARC[®] 25
- K14020-1 Coolant Acorox (2x5l)
- K14009-1 CO₂ heater connection kit
- K14071-2 DR system kit (grill)
- K14082-1 Kit A/V meter

Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
CV-425	K14080-1A	230/400V/3Ph	10-420	420A/35V/60%	63/32A	152	880 x 696 x 1020	IP23 / H
	K14080-2A	220/380/440V/3Ph		325A/30.3V/100%	63/32/32A			
CV-510	K14081-1A	230/400V/3Ph	10-500	500A/39V/60%	63/40A	160		
	K14081-2A	220/380/440V/3Ph		325A/33.3V/100%	63/32/32A			

INPUT



OUTPUT



Technical Specifications of Wire Feeders

Product	Item Number	Cooling	Input Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
					Solid	Cored		
LF-33	K14030-1W	A/W	34-44V AC	1-20	0.8-1.6	1.0-1.6	17	440 x 275 x 636
LF-33S	K14051-1						12	350 x 195 x 530

