

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 CO₂; 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.

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 | 17 | 440x270x636 | ✓ | ✓ | V/WFS | ✓ | ✓ | | |
| LF35 | K14036-1W | | | | 16 | | ✓ | ✓ | V/WFS | ✓ | ✓ | ✓ | |
| LF37 | K10406 | 0.6-1.6 | | | 16 | 356x188x534 | ✓ | ✓ | V/WFS | ✓ | | | |
| LF38 | K10407 | | | | 16 | | ✓ | ✓ | V/WFS | ✓ | ✓ | ✓ | |

*Gas flow meter built-in



LF 33S
Yard Feeder



LF 33
Construction Feeder



LF 34
Construction Feeder



LF 35
Construction Feeder



LF 37
Portable Feeder



LF 38
Portable Feeder

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% | |