

# VANTAGE® 500

Versatile. Dependable. Practical.

## VERSATILE

- Available welding output up to 500 amps
- Up to 14.5 kW of continuous, 50 Hz three phase and single phase power to operate industrial tools or an additional inverter welder
- Select one of five process modes, including CC-Stick, Downhill Pipe, DC Touch Start TIG®, CV-Wire, or Arc Gouging
- Capable of gouging with up to 3/8 in. (9.5mm) carbons

## DEPENDABLE

- Lab tested, field proven ruggedness and durability
- Engineered for outdoor use and harsh environments (IP23 Rated)
- Stainless steel paneling, potted PC boards, and automotive-grade connectors for added protection and durability
- Equipped with an industry-proven, turbocharged 37.2 hp Perkins® diesel engine

## PRACTICAL

- VRD® (Voltage Reduction Device) reduces open circuit voltage in CC-stick welding mode for added safety
- Low noise operations at 71 dB (96.0 Lwa sound power)
- Engine gauges allow you to monitor performance at a glance
- Removable slide access door to allow for easy access to the engine

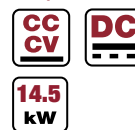


Shown  
K4711-1

### Processes

SMAW (Stick), GTAW (DC TIG), GMAW (MIG), FCAW (Flux-Cored), CAC-A (Arc Gouging)

### Output



### Input



## Industries Served

- Structural
- Pipeline
- Maintenance and Repair
- Power Generation

## Product Highlights

- Compact and powerful machine for use in the construction, pipe, or rental fleet markets
- Provides the needed flexibility to tackle numerous types of jobs

## Key Accessories

- LN-25X Wire Feeder
- Perkins 404D-22T Service Kit
- Remote Output Control
- Medium Trailer
- Fender & Light Kit
- Cable Rack Kit

## MACHINE SPECIFICATIONS

| Product Name       | Product Number | Rated Output @104°F (40°C)  | Output Range  | Open Circuit Voltage  | AC Generator Auxiliary Power <sup>(1)</sup>   | Auxiliary Receptacles <sup>(2)</sup>  | Dimensions H x W x L in (mm)  | Weight lb (kg) <sup>(4)</sup> |
|--------------------|----------------|---|---|-----------------------|---|---|---|-------------------------------|
| <b>Vantage 500</b> | K4711-1        | IEC Rating – 400A / 36V / 100%<br><br>Max Rating – 450A / 38V / 60% | CC-Stick: 30 – 500 Amps<br><br>Downhill Pipe (CC): 40 – 300 Amps<br><br>Touch Start® TIG: 20 - 250 Amps<br><br>CV-Wire: 14 – 40 Volts<br><br>Arc Gouging: 90 – 500 Amps | 60 Max OCV @ 1800 RPM | Single Phase: 6.9 kW Continuous, 115V/230V @ 50Hz<br><br>Three Phase: 14.5 kW Continuous, 400V @ 50Hz | IEC 60309 Yellow 2P+Ground (115V / 30A / 1-)<br><br>IEC 60309 Blue 2P+Ground (230V / 16A / 1-)<br><br>IEC 60309 Red 2P+Neutral+Ground (400V / 21A / 3-) | Machine Only: 35.9 x 27 <sup>(3)</sup> x 62.6 (913 x 687 x 1590)<br><br>To Top of Exhaust Pipe: 43.3 (1110) | 1290 (586)                    |

## ENGINE SPECIFICATIONS

| Engine Model   | Engine Description   | Operating Speed (RPM) @ 37.2 HP                                  | Displacement  | Capacities  |
|--|--|--|---|---|
| <b>Perkins® 404D-22T<sup>(5)</sup><br/>Tier 4i Compliant</b> | 4 Cylinder 37.2 hp (27.7 kW)<br>Turbocharged Water Cooled<br>Diesel Engine | High Idle: 1575 RPM<br>Full Load: 1500 RPM<br>Low Idle: 1200 RPM | 135.6 cu in (2.2L)<br>Bore x Stroke<br>3.43 in x 3.64 in<br>(87 mm x 92 mm) | Fuel: 20 US gal (75.7L)<br>Oil: 8.5 qt (8.0L)<br>Coolant: 9.5 qt (9.0L) |

(1) When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.

(2) Circuits cannot be wired in parallel to operate the same device.

(3) Includes width of door. Base width is 24.0" (610 mm).

(4) Machine only – Does not include fuel.

(5) Engine warranted separately by engine manufacturer.

## CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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**The Lincoln Electric Company**  
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