

# VANTAGE® 500

## 500A ENGINE DRIVEN WELDER

### MULTI-PROCESS CAPABILITY FOR CONSTRUCTION, PIPE LINES AND RENTAL FLEET APPLICATIONS

The Vantage® 500 CE is one of the most compact and powerful engine-driven welders / generators in the construction, pipe or rental fleet market today. It is also the most quiet, with a smooth running 4-cylinder Perkins® water-cooled diesel engines.

Use it for Stick welding with a large variety of electrodes, Lift TIG welding, CV welding with shielding gas or Innershield wires, and arc gouge up to 10 mm carbons.

You will value the superior arc performance delivered by exclusive Lincoln Chopper Technology™.

You will also appreciate VRD™ (Voltage Reduction Device™), which reduces OCV (open circuit voltage) in the CC-Stick weld mode for added safety. These models effectively generate high auxiliary power on 3-phase or 1-phase AC to power your lights, grinders, power tools, Inverters, etc...

Last but not least, it is housed in a rugged, low maintenance stainless steel enclosure and loaded with many innovative service features.



#### Processes

Stick, TIG, MIG, Flux-Cored, Gouging

#### Output



#### Input



## Why VANTAGE® 500 ?



- » **Compact Case with Stainless Steel Enclosure**  
Standard stainless steel roof, side panels and engine-access door deliver added protection and durability.
- » **Multi-Process Welding, Separate Arc Gouge Mode**  
Select one of five Process Modes, including CC-Stick, Downhill Pipe (for cellulose electrodes), DC Touch Start TIG®, CV-Wire or Arc Gouging mode which maximizes output with up to 10mm carbon rods.

- » **VRD™ (Voltage Reduction Device™)**  
reduced OCV (open circuit voltage) in CC-stick welding mode for added safety.
- » **Reliable Engines**  
- 4 cylinder 1800 RPM Perkins turbo-charged diesel engine runs smooth and quiet. Engine gauges allow you to monitor performance at a glance.

## FRONT CONTROLS

- |  |  |
|--|--|
| 1. Glow Plug Button                                    | 12. Arc Force & Inductance/Pinch Ctrl Dial |
| 2. Weld Mode Selector Switch                           | 13. Welding Terminals Control Switch       |
| 3. Run/Stop Switch                                     | 14. Wire Feeder Voltmeter Polarity Switch  |
| 4. Hour Meter  | 15. Digital Amps and Volts Output Meters   |
| 5. Start Push Button                                   | 16. VRD Indicator Lights                   |
| 6. Engine Idler Switch                                 | 17. Output Control Dial                    |
| 7. Fuel Level, Engine Temperature, Oil Pressure Gauges |  |
| 8. Engine Protection Light                             |  |
| 9. Engine Battery Charging Light                       |  |
| 10. 14-Pin Wire Feeder Connector                       |  |
| 11. 6-Pin Remote Control Connector                     |  |



## KEY ACCESSORIES

- KIT400A-70-5M Cable kit 400A, 70mm<sup>2</sup>, 5m
- GRD-400A-70-xM\* Ground cable 400A - 70 mm<sup>2</sup> - 5/10/15 m
- E/H-400A-70-xM Electrode holder, 400A - 70 mm<sup>2</sup> - 5/10 m
- K10376 Adapter M14/Dinse(F)
- K10095-1-15M Remote control (15 m)
- K903-1 Spark arrestor
- K2641-1 4-wheel steerable trailer (offroad, plant, yard)
- K2636-1 2-wheel undercarriage

## APPLICATIONS

- Chemical Plant
- Construction
- Pipeline
- Repair
- Rental



For heavy duty road, off-road, plant and yard use.



For off-road, plant and yard use. Includes an automatically engaging drawbar lock when the drawbar is raised to the vertical position.



Attaches to muffler exhaust tube. Virtually eliminates spark emissions.

## MACHINE SPECIFICATIONS

Product Number	Current/Voltage/Duty Cycle @ 40°C	Output Range	AC generator power	AC generator receptacles	Weight (kg)	Dimensions HxWxD (mm)
K2503-3	400A / 36V @ 100% 450A / 38V @ 60%	30-500A	14.5 kW1ph	115V/30A 1ph 230V/16A 1ph 400V/16A 3ph	586.0	913 x 687 x 1590

## ENGINE SPECIFICATIONS

Engine	Description	Horsepower @ 1500 rpm	Operation speeds (rpm)	Capacities	Noise
Perkins 404D-22 turbo	4 cylinders 4 cycles Water cooled 12V electric start Dry type air cleaner Fuel with water separator Turbo	38HP@ 2200cm <sup>3</sup>	Full load : 1500 Low idle : 1200	Fuel : 76 Oil : 10.6 Coolant : 76	Sound power : 96Lwa Sound level : 71dBA @7m