


AIR VANTAGE® 500



SETTING A NEW STANDARD

If you are looking for a rugged, reliable and capable welder for a demanding construction site, a dependable hire fleet or a quick turnaround repair job, with the added advantage of a built-in 60 CFM air compressor. Take a close look at the Air Vantage 500. Standard stainless steel roof and side panels, simple controls and  Chopper Technology™ deliver the low maintenance, long service life, easy operation and great arc performance every owner appreciates. This multi-process powerhouse features 500 amps at 100% duty cycle, or 575 amps at 50%, tested at temperatures up to 40°C. Don't pay extra for plenty of AC auxiliary power – 12,000 watts while welding up to 250 amps and 60CFM of compressed air at the same time is standard. Powered by 56 horsepower liquid-cooled Cummins engine. You can depend on legendary engine reliability from Cummins and superior Lincoln arc performance.

PROCESSES

Stick TIG MIG Flux-Cored Gouging

FEATURES

- Field-proven four cylinder Cummins B3.3 industrial diesel engine.
- Standard stainless steel roof and side panels deliver added protection, durability and corrosion resistance.
- Indicator lights for low oil pressure, high engine temperature or broken cooling fan belt/low engine alternator voltage
- Engine protection system: automatic shutdown for broken fan belt/low engine alternator voltage, low oil pressure, high engine temperature.
- Gauges include fuel, oil pressure, water temperature, and hour meter.
- Automatic engine idler for greater fuel economy, longer engine life and reduced noise.
- Single-side engine access for routine maintenance. Siding stainless steel door located on the right side. Opens easily, even in tight surrounds.
- Compressor on/off switch, turns compressor off when not required. The compressor will deliver 60 CFM, 100PSI while engine is idling for greater fuel economy.
- Battery lock out/tag out switch
- External battery charging/jump start terminals

ADVANTAGE LINCOLN

- 500 amps DC @ 100% duty cycle
575 amps DC @ 50% duty cycle
- Excellent DC arc characteristics welding with Chopper Technology for stick, TIG, MIG, cored wire and arc gouging with carbons up to 8mm (9.5mm max).
- Simplified control panel featuring continuous full-range output control dial.
- Arc control in CC and CV modes for crisp and soft arc.
- "Touch Start" DC TIG welding for smooth arc starts without contamination or the need for a high-frequency generator.
- VRD device (for additional operator safety) Factory fitted, built-in voltage reduction device (VRD) offers additional safety for the operator. The VRD operates in the CC mode reducing the OCV to a safer <12 volts, increasing the operator safety when welding is performed in environments with increased hazard of electric shock.
- 60 CFM rotary screw air compressor. Delivers enough compressed air to run two carbon arc torches*, compressed air plasma cutter or a number of air tools.
- 95 litre fuel tank, more than enough fuel for a days work, minimising refuelling.
- Digital meters for volt and amp out.
- Three year Lincoln Worldwide warranty (engine is warranted by the manufacturer).

**NEW RELEASE
2004**

AIR VANTAGE® 500

VMAC INDUSTRIAL ROTARY SCREW COMPRESSOR

Direct gear driven compressor, delivers 60 CFM, 100PSI @ 100% duty cycle. More than enough air to run two carbon arc gouging torches*, a compressed air plasma cutter, or all your compressed air tools. Compressed air tools have the added safety feature by reducing or eliminating the requirement of running 240 volt extensions leads around the site.



RECOMMENDED OPTIONS

- Two wheel trailer
- Spark arrestor
- Oil drain kit
- Remote output control
- LN25 wire feeder
- Procut 25 air plasma cutter
- Invertec V205T AC/DC TIG welder

MACHINE SPECIFICATIONS

Product Name	Part Number	Output	Rated DC Output Current/Voltage /Duty Cycle	CV Rated Output Current/Voltage /Duty Cycle	AC Power Output	Dimensions H x W x D (mm)	Net Weight (kg)
Air Vantage® 500	K32012	30-575 Amps	DC Constant Current 500A/40V/100% 550A/36V/60% 575A/35V/50%	DC Constant Voltage 500A/40V/100% 550A/36V/60% 575A/35V/50%	12,000 Watts 60Hz Two 240V Receptacles 15A Each	1067 x 830 x1603	766
			Touch-Start TIG Range 250A/30V/100% 20-250 Amps	14-40V Wire Feeder Power 120V/60Hz 42V/60Hz			

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Cummins® B3.3	4 cyl, 4 cycle Liquid-Cooled Diesel Engine, 12V Electric Start Two stage Dry Type Air Cleaner, Fuel Filter with Water Separator	56hp @ 1800 rpm 199 cu in (3.3 litres)	Fuel: 95 litres Oil: 7.5 litres	500A Load 1800 RPM High Idle 1900 RPM Low Idle 1475 RPM	7.1 Ltr/Hr 3.1 Ltr/Hr 1.7 Ltr/Hr

Cummins warranty is 3 years/3,000 hours for all components, 3 years/ 10,000 hours for major components

* A second Vantage 575 is required to power the second gouging torch

CUSTOMER ASSISTANCE POLICY

The business of 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice and assumes no responsibility, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products. Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements. Subject to Change - This information is accurate to the best of our knowledge at the time of printing.

The Lincoln Electric Company (Australia) Pty. Ltd.
LINCOLN® ELECTRIC
 THE WELDING EXPERTS
 35 Bryant Street, Padstow, NSW 2211
Ph: 1300 728 720 (AUST ONLY)
 Ph: +61 2 9772 7222
Asia Pacific Head Office
 11 Pandan Crescent, Singapore
 Ph: +65 6773 6689

Your local Lincoln distributor is: