


# Air Vantage® 500

## It's Three in One — Welder, Generator and Air Compressor

When you need it all, consider the rugged Air Vantage® 500 for railroad, mining, heavy duty construction, and rental fleet use. A direct gear-driven compressor, with no belts or clutches to wear out, pumps out plenty of air for arc gouging with up to 3/8" carbons, plasma cutting or almost any air tool. A powerful 500 amps at 100% duty cycle is enough for almost any stick, TIG, MIG or flux-cored welding project. And, the precision arc starting provided by Lincoln  Chopper Technology® and Touch-Start® DC TIG will make any operator a better welder. Don't pay extra for plenty of AC generator power – up to 20,000 watts of 3-phase and 12,000 watts of 1-phase is standard. Stainless steel roof and side panels provide added durability and corrosion-resistance. The reliable Cummins® B3.3 water-cooled diesel engine will keep you running — and working — for a long time.

### Processes

Stick, TIG, MIG, Flux-Cored, Gouging



### Output



### Input



CONSTRUCTION  
EQUIPMENT  
**Top 100**  
new products

## Advantage Lincoln


- Rotary Screw Compressor**
  - VMAC® brand rotary screw direct-drive air compressor rated at 60 CFM, 100 PSI, 100% duty cycle, delivers abundant air for arc gouging with up to 3/8" carbons, plasma cutting (plasma cutter sold separately) and air tools such as an impact gun.
- Plenty of AC Generator Power**
  - 20 kW continuous 3-phase 240V AC generator power will operate industrial equipment such as plasma cutters, pumps, inverter welders and grinders.
  - 12 kW continuous 1-phase AC generator power for common construction tools and lights.
- Stainless Steel Enclosure**
  - Standard stainless steel roof, side panels and engine-access door deliver added protection, durability and corrosion-resistance. Eliminates need to replace these items due to paint damage or rust.
- Sliding Engine-Access Door**
  - Lockable engine-access door slides open for easy access in tight spaces.
- Simple to Operate!**
  - Use the mode switch to select one of four Process Modes, including CC-Stick, Downhill Pipe (for stick), Touch-Start® DC TIG or CV Wire. Then dial in the desired output.
- Three-year Lincoln Warranty**
  - Three-year Lincoln Warranty on welder. (Engine and compressor are warranted separately by the manufacturers.)

## TECHNICAL SPECIFICATIONS

Product Name	Rated Output Current/Voltage/Duty Cycle	Output Range	Engine Model	No. of Cyl.	HP & Speed (rpm)	Dimensions H x W x D inches (mm)	Net Weight lbs (kg)
Air Vantage® 500	500A/40V/100% 550A/36V/60% 575A/35V/50%	30-575A DC, 40-300A Pipe, 20-250A DC TIG, 14-40V CV, 12,000 watts, 1-Phase 20,000 watts, 3-Phase Compressor 60 CFM, 100 PSI	Cummins® B3.3 Diesel	4	56@1800	50.8 x 32.7 x 63.1 (1290 x 831 x 1603)	1690 (766)

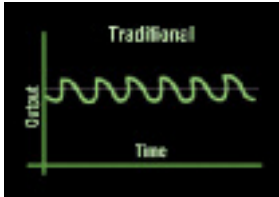
**PERFORMANCE**

**Arc Performance**

- 500 amps @100% duty cycle and capable of 575 amps at 50% duty cycle using  Chopper Technology®. All ratings are at temperatures of 104°F/40°C.


- CC-Stick mode is optimized for general purpose stick using E7018 low hydrogen electrode.
- Downhill pipe mode with arc force control – enhanced downhill pipe welding mode. Fast travel speeds, especially on fill passes. Adjust arc force for a soft, buttery arc or a more forceful, digging arc.
- Touch-Start® DC TIG - lift tungsten to start the arc.


**WHAT IS CHOPPER TECHNOLOGY?**



Traditional weld control is more variable around the desired output.



 Chopper Technology® delivers extremely fast response for tighter output control.

Patented and award-winning Lincoln  Chopper Technology® delivers superior DC arc welding performance for general purpose stick, Downhill Pipe, DC TIG, MIG, cored-wire and arc gouging.

**Benefits of  Chopper Technology include:**

- Easy arc starting
- Smooth arc action
- Low spatter levels
- Excellent bead appearance

- Arc Gouging - The Air Vantage® 500 is capable of gouging with up to a 3/8" (9.5 mm) carbon with air supplied by its built-in compressor. Will operate in CC-stick or CV-wire mode. CV-wire recommended for smoothest arc.

**WHAT IS TOUCH-START TIG®?**

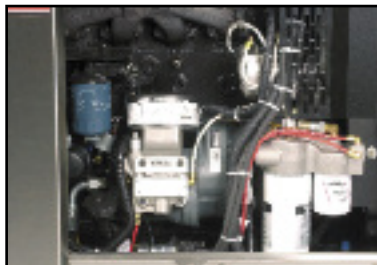
Touch-Start TIG® uses a very low voltage to sense when the tip of the tungsten electrode is touched to the work piece. When this occurs, a complete circuit is established. When the tungsten is then raised from the work piece, the circuit senses a change in voltage and initiates the appropriate welding current and voltage to support the TIG welding process.

Enjoy the added benefits of Lincoln's Touch-Start TIG® when DC TIG welding. Not only do you avoid tungsten contamination when arc starting, but you also don't need extra high frequency equipment. Voltage sensing output stops the arc when the torch is lifted at the end of the weld – increased operator appeal.



**Air Compressor Performance**

- VMAC® brand rotary screw direct-drive compressor rated at 60 CFM, 100 PSI, 100% duty cycle delivers abundant air for carbon arc gouging, plasma cutting (plasma cutter sold separately) and air tools such as an impact gun.



VMAC® Air Compressor

- Patent-pending direct gear-driven compressor efficiently converts engine horsepower to usable output. No belts to change. **No magnetic clutch to wear out.**
- Compressor can be conveniently turned on or off with an easy-to-reach toggle switch located on the control panel. Full output of 60 CFM available when engine is set to high idle mode, 40 CFM of output in low idle mode.

- Air shut-off valve can easily be closed for connecting and disconnecting an air hose. Valve is located in recessed area below control panel for convenient access and protection against accidental impact.



Air shut off valve

- Automatic compressor shutdown for high compressor temperature. Indicator light turns on for this condition.
- Compressor maintenance items such as filters are easily accessed in the single-side-service engine compartment. Drain connection for valve and compressor oil located in base of engine compartment. 500-hour maintenance intervals for infrequent servicing of the system.
- Optional field-installed air dryer kit minimizes water content in the supply air. Avoids cold weather air hose ice up. Kit installs inside Air Vantage® 500 for a compact operation.

**Generator Performance**

- 3-Phase 240V AC generator power rated at 20kW continuous output to power industrial equipment such as plasma cutters, pumps, inverter welders and grinders. Simultaneously weld and use 3-phase AC power – for example, up to 12,000 watts can be delivered while welding up to 250 amps.
- 3-Phase 240V receptacle on control panel eliminates the need to hard-wire the connections. Matching plug included (NEMA 15-50P). Compare to competitive product which usually requires hard-wired connections.
- The Air Vantage® 500 provides added value at the job site by delivering up to 12,000 watts of 1-phase AC auxiliary power for equipment such as a Lincoln plasma cutter. Also use for lights, grinders and other common construction tools. Simultaneously weld and use AC power – the full 12,000 watts can be delivered while welding up to 250 amps. Plug in a Lincoln V275-S inverter for a second arc.
- Compare this to the common competitive standard of 4,000 watts of single phase AC power. No expensive options are required to add significant generator capacity.
- AC generator voltage is constant at 120V or 240V at any weld dial setting.
- Two 120V GFCI duplex receptacles. Circuit breaker protection.

**SIMULTANEOUS WELD AND AUXILIARY POWER**

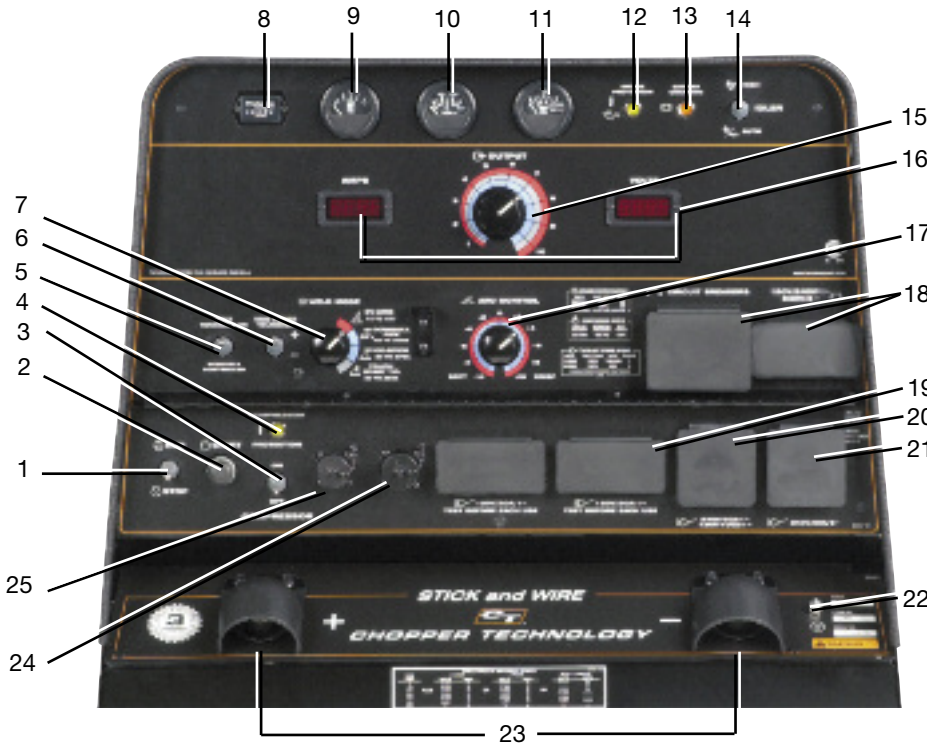
Weld Amps	1 Phase		AND	OR	3 Phase		OR	Simultaneous 1 and 3 Phase	
	Watts	Amps			Watts	Amps		Watts	Amps
0	12000	50			20000	50		---	50
100	12000	50			17800	43		---	50
200	12000	50			14000	34		---	50
250	12000	50			12000	29		12000	---
300	10000	42			10000	24		10000	---
400	5600	23			5600	13		5600	---
500	0	0			0	0		0	0

**FEATURES**

- Only 1690 lbs. (766 kg.) dry weight. Minimizes total truck weight to better meet GVWR (Gross Vehicle Weight Rating) compliance.
- Simple Controls – Keep training time to a minimum with the straight-forward control panel of the Air Vantage® 500. The flip-down control panel door keeps less frequently used dials out of the way. Optional clear heavy-duty plexiglas control panel cover kit is available.
- 56 horsepower water-cooled, 4-cylinder Cummins® B3.3 engine. Plenty of power and excellent operation in extreme temperature conditions.
- Digital meters for amps and volts output make it easy to precisely set your procedures. Fuel, Oil Pressure and Engine Temperature gauges keep you on top of monitoring engine performance.
- Automatic engine idler for greater fuel economy and reduced noise.
- Engine start switch at bottom of control panel for easy reach on truck-mounted units.
- Large 25 gallon fuel tank provides run time for an extended day – ranging from 12 hours of welding at 500A/40V/100% duty cycle output, to 29 hours at high idle. Optional lockable fuel cap/spark arrestor kit is available.
- Engine hour meter for scheduled maintenance.
- Patent pending lockable radiator cap access door to prevent radiator tampering is standard.
- Lockable battery disconnect switch provides lockout/tagout capability. Switch is conveniently located inside engine compartment.
- 12-Volt battery jump-start/battery charge feature is standard. Use cable connection studs to jump-start or charge a 12 volt utility truck battery with up to 800 cold-cranking amps. Or, use the studs to jump-start the Air Vantage® 500. Covered output studs located in recessed area below control panel for convenient access and protection against accidental impact.
- Output at welding terminals controlled by electronic contactor. Can be switched to “Weld Terminals On” or to “Remotely Controlled”.
- Automated Remote Control Capability – Output at welding terminals is automatically switched from the machine to the remote mode when a remote device is connected. (standard 6 pin connector).
- LN-25 PRO Across-the-Arc wire feeder is a recommended option.
- Compatible with many Lincoln wire feeders with Control Cables LN-15, LN-25, LN-23P, LF-72, LF-74, LN-7, LN-7 GMA, LN-742, LN-8, Also compatible with the Magnum® SG Spool Gun System, NA-3 Control and LT-7 Tractor.
- Two Air Vantage® 500 units can be paralleled in the CC-Stick Mode to increase welding output.
- Weather-protective instruction manual container provides storage and convenient access to equipment operator’s manual.
- Oil drain valve and tube to direct used engine oil away from base into pan.
- Attractive and durable black paint on base, and front and back panels.

**A CLOSER LOOK**

**Key Controls**



1. Run/Stop Switch
2. Start Pushbutton
3. Compressor ON/OFF Switch
4. Compressor Protection Light
5. Welding Terminals Control Switch
6. Wire Feeder Voltmeter Polarity Switch
7. Weld Mode Selector Switch
8. Hour Meter
9. Fuel Level Gauge
10. Engine Temperature Gauge
11. Oil Pressure Gauge
12. Engine Protection Light
13. Engine Battery Charging Light
14. Engine Idler Switch
15. Output Control Dial
16. Digital Amps and Volts Output Meters
17. Arc Force & Inductance/Pinch Control Dial
18. Circuit Breakers
19. 120VAC GFCI Receptacles
20. 120/240 VAC Full-KVA 1-Phase Receptacle
21. 240 VAC Full-KVA 3-Phase Receptacle
22. Ground Stud
23. Covered Weld Output Terminals + and -
24. 14-Pin Wire Feeder Connector
25. 6-Pin Remote Control Connector



240V 1-Phase and 3-Phase Receptacles with Covers



Battery Jump Start Terminals

**QUALITY AND RELIABILITY**

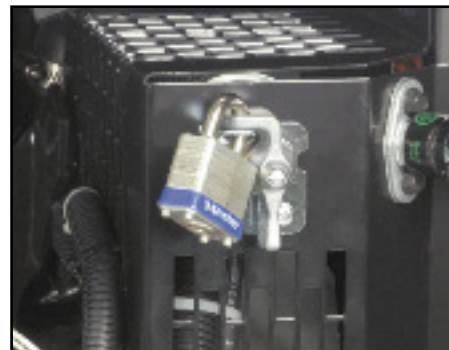
- Single-side engine and compressor access for routine maintenance. Lockable, sliding door located on the right side of the machine opens easily in tight surroundings.
- Dependability and long life aided by all-cooper windings in rotor and stator with high quality insulation.
- Simple wire harnessing keeps connections to a minimum for greater reliability. Lead and harness strain reliefs on all control connections help ensure trouble-free performance.
- Engine Protection System includes automatic shutdown for low oil pressure or high engine temperature.
- Indicator light turns on for low oil pressure or high engine temperature. A second indicator light turns on if the engine battery charging system malfunctions.
- Engine air cleaner service indicator provides a GO/NO-GO visual indication of useful service life of the filter.
- Circuit breaker protection on the battery ignition system provides added component protection.
- Engine has a closed breather system to keep the engine compartment and ground clean. This system eliminates oil mist from collecting inside the engine compartment, especially on surfaces that would lower engine cooling efficiency.
- Self-bleeding engine simplifies startup if your fuel tank runs dry. Manual fuel line bleeding is usually not necessary.
- Engine camshaft is gear driven - no timing belt maintenance.
- Approved by the Canadian Standards Association (CSA).
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Three Year Lincoln Warranty on welder. (Engine and compressor are warranted separately by the manufacturers.)



*Printed circuit boards are environmentally-shielded using Lincoln's engineered potting and protective frame trays.*



*Lockable, Sliding Door Opens Easily In Tight Surroundings*



*Battery Ignition Disable Switch for Lock Out/Tag Out*

## A CLOSER LOOK

### MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC/Pipe-Rated DC Output(1) Current/Voltage/Duty Cycle	CV Rated Output(1) Current/Voltage/Duty Cycle	AC Power (3) (4)	Dimensions (6) H x W x L inches (mm)	Weight lbs. (kg)
Air Vantage® 500	K2325-1	500 Amp DC Welder with Digital Meter Output Display & Engine Gauges  12,000 Watts AC Power 1-Phase  20,000 Watts AC Power 3-Phase	<b>DC Constant Current</b> 500A/40V/100% 550A/36V/60% 575A/35V/50% 30-575 Amps  <b>DC Pipe Current</b> 300A/32V/100% 40-300A  <b>Touch-Start TIG Range</b> 250A/30V/100% 20-250 Amps  Single Dial Continuous Control 60V DC Max OCV @1900 RPM	<b>DC Constant Voltage(2)</b> 500A/40V/100% 550A/36V/60% 575A/35V/50%  14-40V Single Dial Continuous Control  <b>Wire Feeder Power</b> 120V/60Hz 42V/60Hz	20,000 Watts 60 Hz  Two 120V Duplex Receptacles 20A Per Duplex 40A Total (5)  1-Phase Full KVA Receptacle 50A@240V 50A@120V Each Branch Circuit (5)  3-Phase Full KVA Receptacle 50A @ 240V	50.8 x 32.7 x 63.1 in (1290 x 831 x 1603mm)	1690 (766)

- (1) High Altitude: For maximum rating derate the output 4% for every 1,000 ft (300 m) above 4,900 ft. (1,500 m). For output up to 500 A, derate 4% for every 1,000 ft (300 m) above 6,900 ft. (2,100 m). High Temperature: For maximum rating derate 2 volts for every 21°F (10°C) above 104°F (40°C).  
 (2) DC Constant Voltage capability provides convenience and added safety when welding in electrically hazardous conditions.  
 (3) When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.  
 (4) 120V will operate either 60Hz or 50/60 Hz power tools, lights, etc.  
 (5) Circuits cannot be wired in parallel to operate the same device.  
 (6) Height is to top of exhaust elbow; 42 in. case top height.

### COMPRESSOR SPECIFICATIONS

Compressor Model	Description	Delivery	Maximum System Pressure	Compressor Protection	Capacities
VMAC™ (7)	Rotary Screw Air Compressor with Direct Drive	<b>High Idle Mode:</b> 60 CFM @ 100 PSI  <b>Low Idle Mode:</b> 40 CFM @ 115 PSI	150 PSI (10.5 kg/cm <sup>2</sup> )	Safety Relief Valve 200 PSI 14.0 kg/cm <sup>2</sup>  High Temperature Automatic Shutdown 290° F (143°C)	Oil: 1.3 gals (5.0 ltrs) (8)

- (7) Warranty is 3 years/3,000 hours whichever comes first.  
 (8) VMAC™ synthetic compressor oil required.

### ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Cummins® B3.3(9)	4 Cylinder, 4 Cycle Water-Cooled Diesel Engine, 12V Electric Start, Two-Stage Dry Type Air Cleaner, Fuel Filter with Water Separator	56 HP@1800 RPM  199 cu in (3.3 ltrs)	FUEL: 25 gals (95 ltrs) OIL: 8.0 qts (7.6 ltrs) COOLANT: 10.4 qts. (9.8 ltrs)	<b>500A Load</b> 1800 RPM  <b>High Idle</b> 1900 RPM  <b>Low Idle</b> 1425 RPM	2.1 Gal/Hr 7.9 Ltr/Hr  0.9 Gal/Hr 3.3 Ltr/Hr  0.6 Gal/Hr 2.2 Ltr/Hr

- (9) Cummins® warranty is 3 years/3,000 hours for all components, 3 years/10,000 hours for major components.

**A CLOSER LOOK**



*The Air Vantage® is ideal for truck-mounted transport.*



*Railroad welding teams will appreciate the sizable air compressor, welding and 3-Phase 240V power for grinders.*

**SYSTEM SELECTION**

**One-Pak® Welding Packages**

Order a Lincoln One-Pak® and get everything you need to complete a welding package - all with one order number. **(Packages require assembly.)**

**Each UNASSEMBLED Package Contains:**

- Air Vantage® 500 (K2325-1)
- NEW!** • Medium Welder Trailer (K2636-1)
- NEW!** • Duo-Hitch™: 2" Ball/Lunette Eye Hitch (included)
- NEW!** • Fender and Light Kit (K2639-1)
- NEW!** • Cable Rack (K2640-1)
- Cable Connectors - two (K2487-1)
- Electrode Cable 3/0, two 50 ft. (15.3 m) lengths (K2485-3)
- Electrode Cable 3/0, 10 ft. (3 m) (K2483-3)
- Work Cable 3/0, 50 ft. (15.3 m) (K2484-3)
- 400A Electrode Holder (K909-8)
- 500A Work Clamp (K910-2)

**Order:**

**NEW!** **K2364-3 Air Vantage® 500 One-Pak® Pkg.**



*Air Vantage® 500*



*K2636-1 Medium Welder Trailer*



*Duo-Hitch™: 2" Ball/Lunette Eye Hitch (included)*



*K2640-1 Cable Rack*

**Ready-Pak® Welding Packages**

Order a Lincoln Ready-Pak® and get an **assembled** welding package.

**Each COMPLETELY ASSEMBLED Package Contains:**

- Air Vantage® 500 (K2325-1)
- NEW!** • Medium Welder Trailer (K2636-1)
- NEW!** • Duo-Hitch™: 2" Ball/Lunette Eye Hitch (included)
- NEW!** • Fender and Light Kit (K2639-1)
- NEW!** • Cable Rack (K2640-1)
- Cable Connectors - two (K2487-1)
- Electrode Cable 3/0, two 50 ft. (15.3 m) lengths (K2485-3)
- Electrode Cable 3/0, 10 ft. (3 m) (K2483-3)
- Work Cable 3/0, 50 ft. (15.3 m) (K2484-3)
- 400A Electrode Holder (K909-8)
- 500A Work Clamp (K910-2)

**Order:**

**NEW!** **K2366-3 Air Vantage® 500 Ready-Pak® Package**



*Completely Assembled Ready-Pak® Pkg.*



**GENERAL OPTIONS**



120V



**Power Plug Kit (20A)**  
Provides four 120V plugs rated at 20 amps each, and one dual voltage, full KVA plug rated at 120/240V, 50 amps. 120V plug may not be compatible with common household receptacles.

**Order K802N**



120V



**Power Plug Kit (15A)**  
Provides four 120V plugs rated at 15 amps each, and one dual voltage, full KVA plug rated at 120/240V, 50 amps. 120V plug is compatible with common household receptacles.

**Order K802R**



**Full-KVA Power Plug**  
One dual voltage plug rated at 120/240V, 50 amps. NEMA 14-50P

**Order T12153-9**



**Medium Welder Trailer**

For heavy-duty road, off-road, plant and yard use. Includes pivoting jack stand, safety chains, and 13" wheels. Stiff .120" welded rectangular steel tube frame construction is phosphate etched and powder coat painted for superior rust and corrosion resistance. Low sway suspension gives outstanding stability with manageable tongue weight. Wheel bearings are packed with high viscosity, high pressure, low washout Lubriplate® grease. Includes a Duo-Hitch™ – a 2" Ball/Lunette Eye combination hitch. Overall width 60".

**Order:**  
**K2636-1** Trailer

**K2639-1** Fender & Light Kit

**K2640-1** Cable Rack



**Four-Wheeled Steerable Yard Trailer**

For off-road, plant and yard use. Includes an automatically engaging drawbar lock when the drawbar is raised to the vertical position. 13" wheels. Wheel bearings are packed with high viscosity, high pressure, low washout Lubriplate® grease. Stiff 3/16" welded rectangular steel frame construction is phosphate etched and powder-coat painted for superior rust and corrosion resistance. Also includes a Duo-Hitch™ – a 2" Ball/ Lunette Eye combination hitch. Overall width: 55".

**Order K2641-2**



**GENERAL OPTIONS CON'T.**



**Ether Start Kit**  
Provides maximum cold weather starting assistance for frequent starting below 10°F (-12°C) for Cummins® engine. Required ether tank is not provided with kit.

**Order K887-1**



**Spark Arrestor Kit**  
Mounts to Muffler Exhaust Tube. Virtually eliminates spark emissions.

**Order K1847-1**



**Air Dryer Kit**  
Minimizes water content in supply air. Avoids cold weather air hose ice up and water condensation in air tools during humid weather. Highly recommended for use with plasma cutter. Installs inside the Air Vantage® 500 for compact operation.

**Order K2354-1**



**Control Panel Cover Kit**

Clear Plexiglas cover to protect control panel from dirt and debris, and to visually monitor machine operation. Lockable to deter vandalism.

**Order K2356-1**



**Lockable Fuel Cap/Flash Arrestor Kit**

For use in locations where flash arrestor safety is required. Lockable fuel cap prevents tampering with fuel. Green cap color provides a visual reminder to use diesel when refueling.

**Order K2340-1**



**Cold Weather Heater and Tarp Kit**

For extreme cold conditions where normal engine starting is not sufficient. Includes oil pan heater, battery heater, engine water heater and radiator grill tarp.

**Order K2359-1**

**STICK OPTIONS**



**Accessory Kit**  
Includes 35 ft. (10.7 m) 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filter plate, cover plate, work clamp and electrode holder. 400 amp capacity.  
**Order K704**



**Remote Output Control**  
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output.  
**Order:**  
**K857** for 25 ft. (7.6 m)  
**K857-1** for 100 ft. (30.5 m)

**TIG OPTIONS**



**Pro-Torch® PTA-26V TIG Torch**  
Air-cooled 200 amp torch (2 piece) equipped with valve for gas flow control. 25 ft. (7.6 m) length.  
**Order K1783-9**



**Magnum® Parts Kit for PTA-26V TIG Torch**  
Provides all the torch accessories you need to start welding. Includes collets, collet bodies, a back cap, alumina nozzles and tungstens in a variety of sizes, all packaged in an easy to carry reclosable sack.  
**Order KP509**



**Foot Amptrol®**  
Varies current while welding for making critical TIG welds and crater filling. Depress pedal to increase current. Depressing pedal fully achieves maximum set current. Fully raising the pedal finishes the weld and starts the afterflow cycle on systems so equipped. Includes 25 ft. (7.6m) control cable.  
**Order K870**



**Hand Amptrol®**  
Provides 25 ft. (7.6 m) of remote current control for TIG welding. (6-pin plug connection). Velcro straps secure torch.  
**Order K963-3** (one size fits all Pro-Torch® TIG Torches)

**TIG OPTIONS CON'T.**



**Precision TIG® 225 Ready-Pak® Pkg.**  
For AC TIG Welding with square wave performance, use the AC generator of the engine-driven welder to supply the power. Easy setup. Includes torch, Foot Amptrol® and Gas Regulator & Hose. Re-quires the K1816-1 Full KVA Adapter Kit.  
**Order K2535-1**



**Invertac® V205-T AC/DC One-Pak® Pkg.**  
For AC TIG welding with square wave performance, use the AC generator of the engine-driven welder to supply the power. Easy setup. Includes torch, parts kit, regulator and hose kit, Twist-Mate™ torch adapter, work cable, work clamp and foot Amptrol®.  
**Order K2350-2**



**Full-KVA Adapter Kit**  
Provides convenient connection of Lincoln Electric equipment having a 240V AC 1-phase plug (NEMA 6-50P) to the full-KVA receptacle on Lincoln engine-driven welders.  
**Order K1816-1**

**WIRE FEEDER OPTIONS**



**LN-25 PRO Wire Feeder**  
Portable CC/CV unit for flux-cored and MIG welding with MAXTRAC® wire drive system. Includes Gas Solenoid & Internal Contactor.  
**Order K2613-1**



**Magnum® 350 Innershield Gun (for LN-25 PRO)**  
For self-shielded wire with 15 ft. (4.5 m) cable. For .062"-3/32" (1.6-2.4 mm) wire.  
**Order K126-2**



**Drive Roll and Guide Tube Kit (for LN-25 PRO)**  
For cored or solid steel wire.  
**Order KP1697-068**  
for .068"- .072" (1.8 mm)  
**KP1697-5/64**  
for 5/64" (2.0 mm)

## RECOMMENDED OPTIONS



**Magnum® 300 MIG Gun**  
For .035"-.045" (0.9-1.2 mm)  
gas-shielded wire with 15 ft.  
(4.5 m) cable.

**LN-25 PRO**  
**Order K1802-1**  
(includes Connector Kit)



**Drive Roll and Guide Tube Kit  
(for LN-25 PRO)**  
For .035" and .045" (0.9-1.1 mm)  
solid steel wire.  
**Order KP1696-1**



**NEW!**

**LN-23P Wire Feeder**  
Portable CV unit for Innershield pipe  
welding. Includes drive rolls and  
guide tubes. Requires K2393-1 or -2  
Input Cable Assembly and Magnum®  
Innershield® Gun.  
**Order K316L-2**



**NEW!**

**Input Cable Assembly for LN-23P**  
8-socket to 14-pin control cable with  
lugged electrode cable for K316L-2  
LN-23P Wire Feeder.  
**Order:**  
**K2393-1 25 ft. (7.6 m)**  
**K2393-2 75 ft. (22.9 m)**



**Magnum® 250 Innershield® Gun  
(for LN-23P)**  
For lighter weight and easier  
handling. Rated 250 amps, 60%  
duty cycle. For .068"-5/64"  
(1.7 - 2.0 mm) Innershield wire and  
includes reduced speed switch.  
**Order K355-10**



**Magnum® SG Spool Gun**  
Hand held semiautomatic wire  
feeder. Requires SG Control  
Module and Input Cable.  
**Order K487-25**



**SG Control Module**  
The interface between the power  
source and the spool gun. Provides  
control of the wire speed and gas  
flow. For use with a spool gun.  
**Order K488**



**Input Cable  
(For SG Control Module)**  
For Lincoln power sources with  
14-pin MS-type connection,  
separate 115V NEMA receptacles  
and output stud connections.  
**Order K691-10**

## PLASMA CUTTING



**Pro-Cut® 80**  
Cuts metal using the 3-phase AC  
generator power from the engine-  
driven welder. K2354-1 Air Dryer  
Kit for the Air Vantage® 500 is  
highly recommended. It avoids  
compressed air moisture  
condensation which can cause  
rapid wear of plasma electrodes  
and nozzles.  
**Order K1581-1**

**AIR VANTAGE® 500 ORDER FORM**

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
<b>AIR VANTAGE® 500</b>	<b>K2325-1</b>		
<b>AIR VANTAGE® 500 ONE-PAK® PKG.</b>	<b>K2364-3</b>		
<b>AIR VANTAGE® 500 READY-PAK® PKG.</b>	<b>K2366-3</b>		
<b>RECOMMENDED GENERAL OPTIONS</b>			
Power Plug Kit - 20 amp	K802N		
Power Plug Kit - 15 amp	K802R		
Full-KVA Power Plug Kit	T12153-9		
Medium Welder Trailer with 2" Ball/Lunette Eye Hitch	K2636-1		
- Fender and Light Kit	K2639-1		
- Cable Rack	K2640-1		
Four-Wheeled Steerable Yard Trailer with Duo-Hitch™: 2" Ball/Lunette Eye Hitch	K2641-2		
Ether Start Kit	K887-1		
Spark Arrestor Kit	K1847-1		
Air Dryer Kit	K2354-1		
Control Panel Cover Kit	K2356-1		
Lockable Fuel Cap/Flash Arrestor Kit	K2340-1		
Cold Weather Heater and Tarp Kit	K2359-1		
<b>RECOMMENDED STICK OPTIONS</b>			
Accessory Kit	K704		
Remote Output Control			
- 25 ft. (7.6m)	K857		
- 100 ft. (30.5m)	K857-1		
<b>RECOMMENDED TIG OPTIONS</b>			
Pro-Torch® PTA-26V TIG Torch	K1783-9		
Parts Kit	KP509		
Foot Amptrol®	K870		
Hand Amptrol (All Pro-Torch TIG Torches)	K963-3		
Precision TIG® 225 Ready-Pak® (For AC TIG Welding)	K2535-1		
Invertec® V205-T AC/DC One-Pak® Package (for AC TIG welding)	K2350-2		
- Full KVA Adapter Kit (required for K2535-1 or K2350-2)	K1816-1		
<b>RECOMMENDED WIRE FEEDER OPTIONS</b>			
LN-25 PRO Wire Feeder	K2613-1		
Magnum® 350 Innershield® Gun	K126-2		
Drive Roll and Guide Tube Kit, .068"- .072" (for LN-25 PRO)	KP1697-068		
Drive Roll and Guide Tube Kit, 5/64" (for LN-25 PRO)	KP1697-5/64		
Magnum® 300 Gun (for LN-25 PRO) (includes Connector Kit)	K1802-1		
Drive Roll and Guide Tube Kit (for LN-25 PRO)	KP1696-1		
LN-23P Wire Feeder	K316L-2		
- Input Cable Assembly, 25 ft.	K2393-1		
- Input Cable Assembly, 75 ft.	K2393-2		
Magnum® 250 Innershield® Welding Gun	K355-10		
Magnum® SG Spool Gun	K487-25		
- SG Control Module	K488		
- Input Cable (For SG Control Module)	K691-10		
<b>RECOMMENDED PLASMA CUTTING OPTIONS</b>			
Pro-Cut® 80	K1581-1		
<b>TOTAL:</b>			

**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 liability, 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.

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