Air Vantage® 500

Processes
Stick, TIG, MIG, Flux-Cored, Gouging

Product Number
K2325-4

See back for complete specs

Output Range
See Back Page

Rated Output Current/Voltage/Duty Cycle
500A/40V/100%
550A/36V/60%
575A/35V/50%

Number of Cylinders
4

HP @ Speed (RPM)
58 HP @ 1850 RPM

Weight/Dimensions (H x W x D)
See Back Page

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

When you need it all, consider the rugged Air Vantage® 500 for railroad, mining, general maintenance & repair, and heavy duty construction. Plenty of air for arc gouging with up to 3/8 in. (9.5 mm) 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 Electric CT Chopper Technology® and DC Touch Start 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 Kubota® V3600-T water-cooled diesel engine will keep you running — and working — for a long time.

APPLICATIONS

- Railroad
- Mining
- Maintenance & Repair
- Heavy Construction

FEATURES

- **Rotary Screw Compressor**
  VMAC® brand rotary screw air compressor rated at 60 CFM, 100 PSI, 100% duty cycle, delivers abundant air for arc gouging with up to 3/8 in. (9.5 mm) carbons, plasma cutting and air tools such as an impact gun.
- **Multi-Process Welding, Separate Arc Gouge Mode**
  Select one of five process modes, including CC-stick, downhill pipe (for stick), DC Touch Start TIG®, CV-wire or new arc gouging mode which maximizes output with up to 3/8 in. (9.5 mm) carbon rods.

FEATURES, CONT'D

- **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.
- **Reliable Engine**
  4 cylinder 1800 RPM Kubota® turbo-charged diesel engine runs smooth and quiet.

INPUT D

OUTPUT CC CV | DC | 20 kW

Kubota®

CONSTRUCTION EQUIPMENT Top 100 new products

THE LINCOLN ELECTRIC GREEN INITIATIVE
Engine Emissions Standard
EPA Tier 4i Compliant
www.lincolnelectric.com/green

LINCOLN ELECTRIC 3 YEAR WARRANTY AÑOS DE GARANTIA ANS DE GARANTIE
PARTS AND LABOR PIEZAS Y MANO DE OBRA PIÈCES ET MAIN D'OEUVRE

Two Year Extended Warranty Available in the U.S.A. and Canada.

Publication E6.217 | Issue Date 06/12 Web Update 05/13

THE LINCOLN ELECTRIC COMPANY
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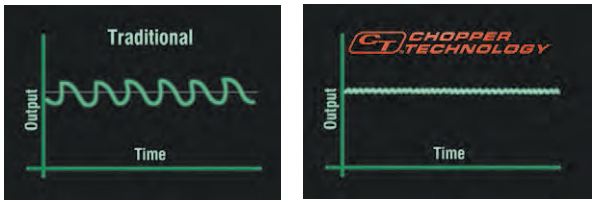
LINCOLN® ELECTRIC
THE WELDING EXPERTS®

Arc Performance

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

WHAT IS CHOPPER TECHNOLOGY®?



Traditional weld control is more variable around the desired output.

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

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

Benefits of CT Chopper Technology® include:

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

VRD® (Voltage Reduction Device™) reduced OCV (Open Circuit Voltage) in CC-stick welding mode for added safety.

- CC-stick mode is optimized for general purpose stick using E7018 low hydrogen electrode.

WHAT IS VRD®?

The VRD® provides additional safety in the CC-stick weld mode, especially when working in an environment with a higher risk of electrical shock such as wet areas and hot, humid, sweaty conditions. The VRD® reduces the OCV at the welding output terminals while not welding to less than 30 volts DC.

The VRD® is activated by flipping a toggle switch inside the machine to the "ON" position. Indicator lights monitor the voltage: green for less than 30 volts while not welding, and either red (greater than 30 volts) or green while welding, depending on the actual voltage of the arc.

Other weld modes when VRD® is on:

Downhill Pipe	– There is no output.
CV-Wire	– OCV is not reduced.
Touch Start TIG®	– No difference in operation. TIG is normally a low voltage (less than 30 volts) operation.

VRD® portion of nameplate with green light on.

- Excellent CV wire welding with cored-wire and MIG (CO_2 and mixed gas).
- Built-in "hot" start in CC-stick and CV-wire modes for easier starts and restrikes minimizing the electrode "sticking" to the work.
- Downhill pipe mode has arc force control for enhanced pipe welding. The pipe mode is excellent for cellulosic electrodes and facilitates fast travel speeds, especially on fill passes. Adjust the arc force for a soft, buttery arc or a more forceful digging arc.
- Standard DC Touch Start TIG® welding, not scratch start, for easy arc starting that avoids tungsten contamination and the need for high-frequency.

Air Compressor Performance

- Power supplied to the compressor:
  - Compressor is gear-driven from the engine to efficiently convert engine horsepower to usable output.
- The compressor can be conveniently turned on or off with an easy-to-reach toggle switch located on the control panel. The full output of 60 CFM is available when the engine is set to high idle mode, or 40 CFM of output in low idle mode.

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

- The air shut-off valve can easily be closed for connecting and disconnecting an air hose. The valve is located in a recessed area below the control panel for convenient access and protection against accidental impact.
- The compressor automatically shuts down for high temperature. An indicator light on the control panel turns on for this condition.
- Compressor maintenance items such as filters are easily accessed in the single-side-service engine compartment. The drain connection for the valve and compressor oil is located in the base of the engine compartment. Recommended 500-hour maintenance intervals minimize system service frequency.
- An optional field-installed air dryer kit minimizes water content in the supply air. This avoids cold weather air hose ice up. The kit installs inside the Air Vantage® 500 for a compact operation.

PERFORMANCE

Generator Performance

- Simultaneously weld and use 3-phase AC power – for example, up to 12,000 watts can be delivered while welding up to 250 amps. Compare to competitive product which has 3-phase power available as an extra-cost factory-only option.
- 3-phase 240V receptacle on control panel eliminates the need to hard-wire the connections. Matching plug included (T12153-10 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 Electric 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 Electric Invertec® V275-S 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.
- Nominal 120V and 240V AC generator voltage is independent of any weld dial setting.
- 120V receptacles are GFCI protected with sealed GFCI modules.
- All receptacles are circuit breaker protected. Each receptacle has a spring-loaded weather cover which keeps each receptacle protected when not in use.

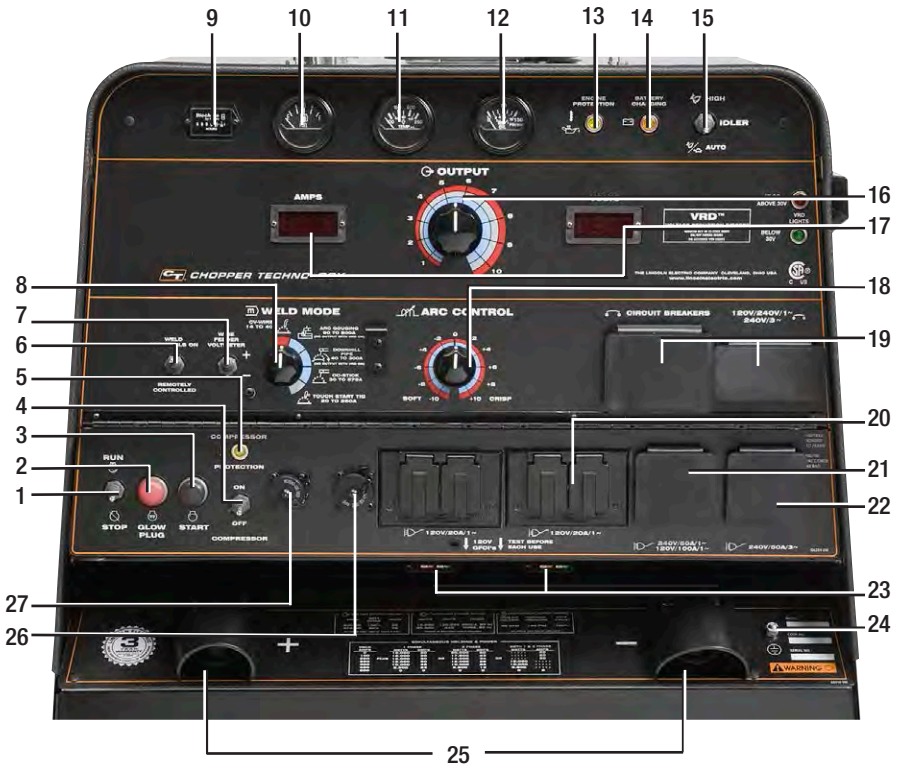
SIMULTANEOUS WELD AND AC GENERATOR POWER

			1 Phase			3 Phase			Simultaneous 1 and 3 Phase	
	Weld Amps		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	AND	12000	50	OR	12000	29	OR	12000	---
	300		10000	42		10000	24		10000	---
	400		5600	23		5600	13		5600	---
	500		0	0		0	0		0	0

FEATURES

- Only 1730 lbs. (785 kg) dry weight. Minimizes total truck weight to better meet GVWR (Gross Vehicle Weight Rating) compliance.
- 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.
- Simple Controls – Keep training time to a minimum with the straightforward control panel of the Air Vantage® 500. The flip-down control panel door keeps less frequently used dials out of the way.
- 58 hp Kubota® V3600-T Turbo-Charged diesel engine. Engine is 4-cylinder, water-cooled and has plenty of power.
- Glow plugs for cold weather starting.
- 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 9-13 hours of welding at 500A/40V/100% duty cycle output, to 24-27 hours at high idle.
- Engine hour meter makes it easy to schedule maintenance.
- Patented lockable radiator cap access door to prevent radiator tampering is standard.
- Lockable battery disconnect switch provides lockout/tagout capability. The switch is conveniently located inside the engine compartment.
- 12V 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 are located in recessed area below control panel for convenient access and protection against accidental impact.
- Output at welding terminals controlled by electronic contactor. It 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). For the CC-stick, downhill pipe and Touch Start TIG® modes, the machine output dial becomes a maximum current limit for more fine tuning with the remote control dial or Amptrol™.
- LN-25 Ironworker™ across-the-arc wire feeder is a recommended option. Other across-the-arc choices are the LN-25 PRO and Activ8™.
- Compatible with many Lincoln Electric wire feeders with control cables – LN-25 PRO Dual Power, LF-72, LF-74, 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.
- Oil drain valve and tube to direct used engine oil away from base into pan.
- Combination muffler/spark arrestor is standard on the machine.
- Attractive and durable black paint on base, and front and back panels.
- Kilowatts available for Multi-Weld® 350 use: 5 kW @ 60 VDC, 12 kW @ 58 VDC.

KEY CONTROLS



1. Run/Stop Switch
2. Glow Plug Button
3. Start Pushbutton
4. Compressor ON/OFF Switch
5. Compressor Protection Light
6. Welding Terminals Control Switch
7. Wire Feeder Voltmeter Polarity Switch
8. Weld Mode Selector Switch
9. Hour Meter
10. Fuel Level Gauge
11. Engine Temperature Gauge
12. Oil Pressure Gauge
13. Engine Protection Light
14. Engine Battery Charging Light
15. Engine Idler Switch
16. Output Control Dial
17. Digital Amps and Volts Output Meters
18. Arc Force & Inductance/Pinch Control Dial
19. Circuit Breakers
20. 120 VAC Receptacles
21. 120/240 VAC Full-KVA 1-Phase Receptacle
22. 240 VAC Full-KVA 3-Phase Receptacle
23. Sealed GFCI Modules
24. Ground Stud
25. Covered Weld Output Terminals + and –
26. 14-Pin Wire Feeder Connector
27. 6-Pin Remote Control Connector

QUALITY AND RELIABILITY

- Dependability and long life are aided by all-cooper windings in rotor and stator with high quality insulation.
- Printed circuit boards are environmentally-shielded using Lincoln Electric's engineered potting and protective frame trays.
- 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 on the 12V battery circuit 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.
- Weather-protective instruction manual container provides storage and convenient access to equipment operator's manual.
- Canadian Standards Association (CSA) certified.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Three-year Lincoln Electric warranty on welder (compressor and engine are warranted separately by the manufacturers - see Compressor Specifications, footnote 6 and Engine Specifications, footnote 8).

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 H x W x L inches (mm)	Weight lbs.(kg)
Air Vantage® 500	K2325-4	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	**DC Constant Current** 500A/40V/100% 550A/36V/60% 575A/35V/50% 30-575 Amps **DC Pipe Current** 300A/32V/100% 40-300A **Touch Start TIG® Range** 250A/30V/100% 20-250 Amps **Arc Gouge** 500A/40V/100% 90-500 Amps Single Dial Continuous Control 60V DC Max OCV @1900 RPM	**DC Constant Voltage**[2] 500A/40V/100% 550A/36V/60% 575A/35V/50% 14-40V Single Dial Continuous Control **Wire Feeder Power** 120V/60Hz 42V/60Hz	20,000 Watts 60 Hz Two 120V Duplex GFCI Receptacles (Sealed GFCI Modules) 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	42.0 x 32.7 x 63.1 (1067 x 831 x 1603) *To top of exhaust tube: 48.9 (1243)*	1730 (785)

(1) High altitude: For maximum rating derate the output 5% for every 1,640 ft. (500 m) above 1,312 ft. (400 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 60 Hz or 50/60 Hz power tools, lights, etc.
(5) Circuits cannot be wired in parallel to operate the same device.

COMPRESSOR SPECIFICATIONS

Compressor Model	Description	Delivery	Maximum System Pressure	Compressor Protection	Capacities
VMAC®[6]	Direct-Drive Rotary Screw Air Compressor	High Idle Mode: 60 CFM @ 100 PSI (28.3 liters/sec. @ 7.0 kg/cm) Low Idle Mode: 40 CFM @ 100 PSI (18.9 liters/sec. @ 7.0 kg/cm)	150 PSI (10.5 kg/cm^2)	Safety Relief Valve 200 PSI 14.0 kg/cm^2 High Temperature Automatic Shutdown 290° F (143°C)	Oil: 1.3 gals (5.0 liters)[7]

(6) Warranty is 3 years/3,000 hours whichever comes first for the compressor and 1 year/1,000 hours whichever comes first for the clutch, idler roll and automatic belt tensioner.
(7) VMAC® synthetic compressor oil recommended for best operation results, or oil approved by VMAC®.

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Dry Capacities	Operating Speeds	Fuel Consumption
Kubota® V3600-T[8] EPA Tier 4i FLEX	4 Cylinder, 4 Cycle, Water-Cooled Turbo-Charged Diesel Engine, 12V Electric Start, Two-Stage Dry Type Air Cleaner, Fuel Filter with Water Separator	58 HP @ 1850 RPM 221 cu. in. (3.6 liters)	FUEL: 25 gals (95 liters) OIL: 13.9 qts (13.2 liters) COOLANT: 10.4 qts (9.8 liters)	**500A Load** with compressor	3.1 Gals/Hr 11.7 liters/Hr
				500A Load 1850 RPM	2.5 Gals/Hr 9.6 liters/Hr
				High Idle 1850 RPM	1.0 Gals/Hr 3.9 liters/Hr
				Low Idle 1425 RPM	0.7 Gals/Hr 2.6 liters/Hr

(8) Kubota® warranty is 2 years/2,000 hours for machines shipped within the U.S., Canada, Pacific Ocean region and Western Europe. Warranty is 1 year/1,000 hours for Central and South America, Asia, Africa and Middle East.

Ready-Pak® Welding Packages (Assembled)

Order:
K2729-4 Air Vantage® 500 Kubota® Ready-Pak® Package

One-Pak® Welding Packages (Unassembled)

Order:
K2725-4 Air Vantage® 500 Kubota® One-Pak® Package

Get a welding package with one order number.

Each Package Contains:

- Air Vantage® 500
- Medium Welder Trailer (K2636-1)
- Duo-Hitch®: 2 in. (51 mm) Ball/Lunette Eye Hitch (included)
- Fender and Light Kit (K2639-1)
- 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)

Ready-Pak® Welding Package (Assembled)

One-Pak® Welding Packages (Unassembled)
(Only major items shown.)

Air Vantage® 500

K2640-1 Cable Rack

K2636-1 Medium Welder Trailer (shown with K2639-1 Fender & Light Kit)

Duo-Hitch®: 2 in. (51 mm) Ball/Lunette Eye Hitch (included)

RECOMMENDED ACCESSORIES

GENERAL OPTIONS

Power Plug Kit (20A)
Provides four 120V plugs rated at 20 amps each, and one dual voltage, full KVA (1-phase) plug rated at 120/240V, 50 amps. 120V plug may not be compatible with common household receptacles.
Order K802N

Full-KVA Power Plug (1-Phase)
One dual voltage plug rated at 120/240V, 50 amps. NEMA 14-50P
Order T12153-9

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

Shown with optional K2639-1 Fender & Light Kit

Medium Welder Trailer
For heavy-duty road, off-road, plant and yard use. Includes pivoting jack stand, safety chains, and 13 in. (330 mm) wheels. Stiff .120 in. (3.0 mm) 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 in. (51 mm) Ball/Lunette Eye combination hitch. Overall width 60 in. (1524 mm). Overall length 124 in. (3150 mm).
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 verticle position. 13 in. (330 mm) wheels. Wheel bearings are packed with high viscosity, high pressure, low washout Lubriplate® grease. Stiff 3/16 in. (4.8 mm) 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 in. (51 mm) Ball/Lunette Eye combination hitch. Overall width 55 in. (1397 mm). Overall length 124 in. (3150 mm).
Order K2641-2

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 K2354-2

Polarity/Multi-Process Switch
For easy polarity switching.
Example: DC-stick root pass on pipe & DC+ stick for hot, fill and cap passes. Also for an easy process change. Example: DC+ stick root pass on pipe & DC- Innershield® self-shielded flux-cored wire for hot, fill and cap passes. 6-pin & 14-pin remote connections can be made to this unit. For all Lincoln Electric Chopper Technology® engine-driven welders. Mounts on roof with K2663-1 Docking Kit.
Order K2642-1

Docking Kit
Secures the K2642-1 Polarity/Multi-Process Switch to the engine-driven welder roof. Release latch permits removal of K2642-1 Polarity/Multi-Process Switch. Made from stainless steel for rust-free operation.
For all Lincoln Electric Chopper Technology® engine-driven welders.
Order K2663-1

Check Valve Kit
Improves compressor shutdown when the compressed air shut off valve is occasionally left open. Installs to the outlet side of the shut off valve. Available November 2011.
Order K3085-1

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)

Remote Output Control with 120V AC Receptacles
Remote weld output control box with two 120V AC receptacles having GFCI (Ground Fault Circuit Interrupter) protection. One cord for both remote and power. 100 ft. (30.5 m) length. Permits remote adjustment of weld output and power for tools (such as a grinder) at the work. 20 amp capacity.
Order K2627-2

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. (7.6 m) 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)

Square Wave™ TIG 175
For AC TIG welding with square wave performance, use the AC generator of the engine-driven welder to supply the power (full rated output may not be available). Easy setup. Includes torch, foot Amptrol™ and gas regulator and hose. Requires the K1816-1 Full KVA Adapter Kit.
Order K1478-5

Invertec® 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

WIRE FEEDER OPTIONS

LN-25 Ironworker™ Wire Feeder
Portable CV unit for flux-cored and MIG welding with MAXTRAC® wire drive system. Includes digital meters for wire feed speed/amperage and voltage, gas solenoid, internal contactor and 5/64 in. (2.0 mm) drive roll kit for cored wire. Has 83% reduced wire feed speed capability for 6 o'clock pipe welding with Innershield® wire.
Order K2614-9

LINCOLN ELECTRIC
THE WELDING EXPERTS®

RECOMMENDED ACCESSORIES

WIRE FEEDER OPTIONS, CONT'D.

K126 PRO Innershield® Gun
For self-shielded wire with 15 ft. (4.5 m) cable. For .062-5/64 in. (1.6-2.0 mm) wire. Includes K466-10 Connector Kit.
Order K126-12

Drive Roll and Guide Tube Kit
For .068-.072 in. (1.7-1.8 mm) cored or solid steel wire.
Order KP1697-068

Magnum® PRO 350 Ready-Pak® 15 ft., .035-5/64 in.
Magnum® PRO MIG/flux-cored welding guns are rated 100% duty cycle. The guns are designed for high amperage, high duty cycle applications in extreme environments where heat resistance and fast serviceability are key.
Order K2652-2-10-45

Drive Roll and Guide Tube Kit
For .035 in. and .045 in. (0.9-1.1 mm) solid steel wire.
Order KP1696-1

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 Electric power sources with 14-pin MS-type connection, separate 115V NEMA receptacles and output stud connections.
Order K691-10

PLASMA CUTTING

Tomahawk® 1000
Cuts metal using the AC generator power from the engine-driven welder. Requires the T12153-9 Full-KVA Power Plug (1-Phase).
Order K2808-1

PRODUCT SPECIFICATIONS

Product Name	Product Number	Rated Output Current/Voltage/ Duty Cycle	Output Range	Engine	Number of Cylinders	HP@ Speed (RPM)	H x W x D inches (mm)	Net Weight lbs. (kg)
Air Vantage® 500 **Air Vantage® 500 One-Pak®** **Air Vantage® 500 Ready-Pak®**	K2325-4 K2725-4 K2729-4	500A/40V/100% 550A/36V/60% 575A/35V/50%	30-575A DC 40-300A Pipe 20-250A DC TIG 14-40V CV 90-500A Gouge 12,000 watts, 1-Phase 20,000 watts, 3-Phase Compressor 60 CFM, 100 PSI	Kubota® V3600-T Turbo-Charged Diesel EPA Tier 4i FLEX	4	58 @ 1850	Machine only 42.0 x 32.7 x 63.1 (1067 x 831 x 1603) *To top of exhaust tube:* *48.9 (1243)*	1730 (785)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

LINCOLN® ELECTRIC
THE WELDING EXPERTS®