


# NEW! Vantage® 500

## NEW! Compact Design!

Get a 500 amp welder in a compact case! The same size as the Vantage® 300 and 400! A turbo-charged diesel engine with Lincoln's  Chopper Technology® makes this a reality! Also, less weight than traditional 500 amp welders makes the Vantage® 500 compact design a great choice for installation on truck beds where available space and weight capacity are limited.

All the features that have been standard on Vantage® products are here: stainless steel enclosure, multi-process welding, plenty of AC generator power (single and 3-phase). The compact Vantage® 500 also includes a fifth weld mode for maximum arc gouging output, VRD™ (Voltage Reduction Device™), innovative service access and sealed GFCI (Ground Fault Circuit Interrupter) modules – sealed from moisture for more reliable operation! The Vantage® 500 compact design is a great choice for construction and rental fleets. It's ready for tough duty!

### Processes

Stick, TIG, MIG, Flux-Cored, Gouging



Output



Input



## Advantage Lincoln

- **NEW! Compact Case**
  - One of the most compact 500 amp machines available. Suitable for many pickup and service trucks.
- **Stainless Steel Enclosure**
  - Standard stainless steel roof, side panels and engine-access door deliver added protection and durability.
- **Multi-Process Welding, NEW! Separate Arc Gouge Mode**
  - Select one of five Process Modes, including CC-Stick, Downhill Pipe (for stick), Touch-Start® DC TIG, CV-Wire or new Arc Gouging mode which maximizes output with up to 3/8" carbon rods.
- **NEW! VRD™ Voltage Reduction Device™**
  - Reduced OCV in the CC-Stick weld mode for added safety.
- **Plenty of AC Generator Power**
  - 22 kW peak (20 kW continuous) 3-Phase 240V AC generator power. Will power industrial equipment such as a plasma cutter, pump or inverter welder.
  - 13 kW peak (12 kW continuous) 1-phase AC generator power for common construction tools.
- **NEW! Sealed GFCI Modules**
  - GFCI (Ground Fault Circuit Interrupters) are sealed from moisture for more reliable operation.
- **NEW! Reliable Engine**
  - 4 cylinder 1800 RPM Perkins® turbo-charged diesel engine runs smooth and quiet. Standard engine gauges allow you to monitor performance at a glance.
  - More HP for output at high altitude than a naturally-aspirated engine.
- **Innovative Service Access**
  - Lockable, removable sliding engine access door provides ample space for engine and oil filter work without requiring a large clearance space on your truck.
  - Battery drawer on front of machine and top-mounted radiator cover provide convenient access to these systems.
  - Patented tilt down control panel for easy servicing of internal components.
  - Patented radiator cap cover is latched for easy access and is lockable.

## TECHNICAL SPECIFICATIONS

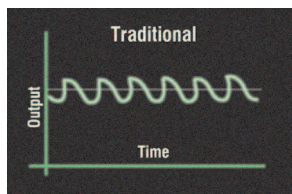
Product Name	Rated Output Current/Voltage/Duty Cycle	Output Range	Engine Model	No. of Cyl.	HP & Speed (rpm)	Dimensions H x W x D Inches (mm)	Net Weight lbs (kg)
Vantage® 500	500A/40V/100% 525A/38V/60%	30-525A DC 40-300A Pipe 20-250A DC TIG 14-40V CV 30-525A Gouge <b>3-Phase AC Power:</b> 22 kW Peak, 20 kW Continuous <b>1-Phase AC Power:</b> 13 kW Peak, 12 kW Continuous	Perkins® 404D-22T Turbo Diesel <b>NEW! EPA Tier 4i</b>	4	43@1850	35.9 x 25.3 x 60.0 (913 x 642 x 1524)	1290 (586)

## PERFORMANCE

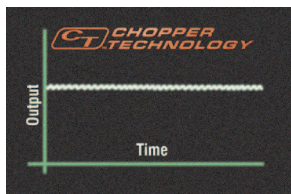
### Arc Performance

- 500 amps @100% duty cycle with output range up to 525 amps using **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.



**Chopper Technology®** delivers extremely fast response for smoother 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 with up to a 3/8" carbon. **NEW!** A separate arc gouging mode maximizes output.
- NEW!** VRD™ (Voltage Reduction Device™) reduced OCV (open circuit voltage) in CC-stick welding mode for added safety.

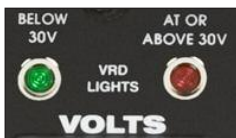
#### WHAT IS VRD™?

The VRD™ (Voltage Reduction Device™) 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 (open circuit voltage) 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.

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

- Built-in "hot" start for easier starts and restrikes minimizing the electrode "sticking" to the work.
- Downhill pipe mode with active arc force control - enhanced downhill pipe welding mode. Excellent for cellulosic electrodes. Fast travel speeds, especially on fill passes. Arc control adjustment for a soft, buttery arc or a more forceful digging arc.
- Standard Touch-Start DC TIG® welding, not scratch start, for easy arc starting that avoids tungsten contamination and the use of high-frequency equipment.

#### 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.

- Excellent CV wire welding with cored-wire and MIG (CO<sub>2</sub> and blended gas).

### Generator Performance

- 3-Phase 240V AC generator power rated at 22 kW peak (20 kW continuous) output to power industrial equipment such as a plasma cutter, pump or inverter welder. Simultaneously weld and use 3-Phase AC power - for example, up to 12,000 watts can be delivered while welding at 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. Compare to competitive product which usually requires hard-wired connections.
- The Vantage® 500 provides added value at the job site by delivering up to 13 kW peak (12 kW continuous) 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. And, you can simultaneously weld and have access to AC power - 12,000 watts can be delivered while welding at 250 amps. Compare this to competitive product which has high output 1-Phase AC power available as an extra-cost factory option.
- AC generator voltage is constant at 120V or 240V at any weld dial setting.
- NEW!** Two 120V GFCI modules sealed from moisture for more reliable operation.
- All receptacles are circuit breaker protected. **NEW!** Each receptacle has a spring-loaded weather protective cover which keeps each receptacle protected from the environment when not in use.

### SIMULTANEOUS WELDING AND AUXILIARY POWER

Weld Amps		1 Phase Watts    Amps		3 Phase Watts    Amps		Simultaneous 1 and 3 Phase Watts    Amps	
0	AND	12000	50	OR	20000	—	50
100		12000	50		17800	—	50
200		12000	50		14000	—	50
250		12000	50		12000	12000	—
300		10000	42		10000	10000	—
400		5600	23		5600	5600	—
500		0	0		0	0	0

## A CLOSER LOOK

### FEATURES



Single-side engine access with lockable sliding door.



Fuel, Oil Pressure and Engine Temperature gauges help you monitor performance.



Output automatically switches to remote mode when remote device is connected. **NEW** For the downhill pipe mode the machine output dial becomes a maximum current limit for more fine tuning with the remote control dial.



Convenient slide-out battery drawer below control panel.



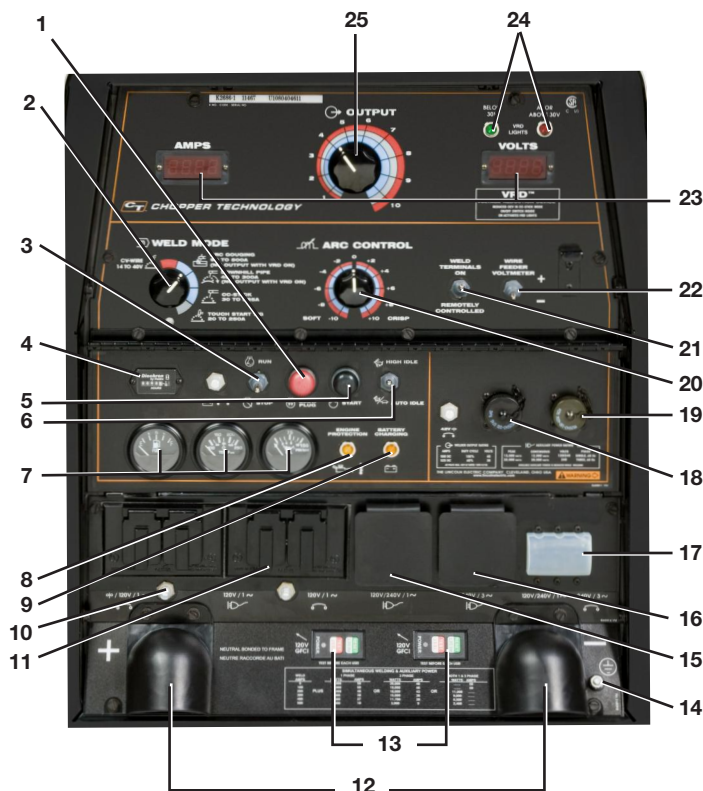
Patented latched and lockable radiator cap cover.



Handy oil drain valve and tube makes oil changes easy.

- Simple Controls – Keeps training time to a minimum. The flip-down control panel door keeps less frequently used dials out of the way. Scratch-resistant Lexan® nameplate.
- Digital weld meters for amps and volts output make it easy to precisely set your procedures.
- Output at welding terminals controlled by electronic contactor. Can be switched to “Weld Terminals On” or to “Remotely Controlled”.
- Large 20 gallon (76 liter) fuel tank provides run time for an extended day—9 hours of welding at 500A/40V/100% duty cycle output, or 33 hours at high idle.
- **NEW** Great Engine Choice – 43 HP water-cooled 4 cylinder Perkins® 404D-22T turbo-charged diesel engine. Engine has an automatic idler for greater fuel economy and reduced noise. Glow plug button for cold weather starting.
- More HP for output at high altitude than a naturally-aspirated engine.
- Engine hour meter for scheduled maintenance.
- LN-25 PRO Across-the-Arc wire feeder is a recommended option.
- 14-pin connector for Lincoln wire feeders with control cables LF-72, LF-74, LN-7, LN-8, LN-15, LN-23P, LN-25 and LN-742. Also compatible with Magnum® SG Spool Gun System.
- Two Vantage® 500 units can be paralleled in the CC-Stick Mode to increase output.

### Key Controls



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

Note: Control panel door not shown.

## A CLOSER LOOK

### QUALITY AND RELIABILITY

- 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.
- Circuit breaker protection on the battery ignition system provides added component protection.
- Environmental friendly engine! 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.
- Perkins® engine camshaft is gear-driven. No timing belt maintenance.
- Printed circuit boards are environmentally-shielded using Lincoln's engineered potting and protective frame trays.
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- Standard stainless steel roof, side panels and engine-access door deliver added protection, durability and corrosion-resistance. Eliminates the need to paint or replace rusting panels.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- CSA (Canadian Standards Association) Certified.
- Three-Year Lincoln Warranty on welder. (Engine is warranted separately by the manufacturer.)



### 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)
Vantage® 500	<b>NEW</b> K2686-1	500 Amp DC Welder with Engine Gauges  22,000 Watts Peak 20,000 Watts Continuous AC Power 3-Phase  13,000 Watts Peak 12,000 Watts Continuous AC Power 1-Phase	<b>DC Constant Current</b> 500A/40V/100% 525A/38V/100% 30-525A  <b>DC Pipe Current</b> 300A/32V/100% 40-300A  <b>Touch-Start TIG® Range</b> 250A/30V/100% 20-250A  <b>Arc Gouge</b> 500/40V/100% 30-525A  <b>Single Dial Continuous Control</b> 60V DC Max OCV @1850 RPM	<b>DC Constant Voltage(2)</b> 500A/40V/100% 525A/38V/100%  14-40V Single Dial Continuous Control  <b>Wire Feeder Power</b> 120V/60Hz 42V/60Hz	22,000 Peak Watts, 60 Hz  Two 120V Duplex Receptacles w/ <u>Sealed GFCI Modules</u> 20A Per Duplex 40A Total (5)  1-Phase Full KVA <u>Receptacle</u> 50A@240V 50A@120V Each Branch Circuit(5)  3-Phase Full KVA <u>Receptacle</u> 50A@240V	35.9 x 25.3 x 60.0 (913 x 642 x 1524)	1290 (585)

(1) High Altitude: For maximum rating, derate the output 1% for every 2,000 ft. (610 m) up to 6,000 ft. (1828 m) and 2% for every 2,000 ft. (610 m) over 6,000 ft. (1828 m).  
High Temperature: For maximum rating, derate 2 volts for every 18°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 case. Add 10.9 in. (276 mm) to top of exhaust elbow.

### ENGINE SPECIFICATIONS

Product Name	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Perkins® 404D-22T (7) <b>NEW</b> EPA Tier 4i	4 Cylinder, 4 Cycle Water-Cooled, Turbo-Charged, Diesel Engine, 12V Electric Start, Dry Type Air Cleaner, Fuel Filter with Water Separator	43 HP@1850 RPM  136 cu. in. (2.2 ltrs)	FUEL: 20 gals (76 ltrs)  OIL: 8.5 qts (8.0 ltrs)  RADIATOR COOLANT: 11.5 qts (10.9 ltrs)	<b>500A Load</b> 1850 RPM  <b>High Idle</b> 1850 RPM  <b>Low Idle</b> 1400 RPM	2.2 Gal/Hr 8.1 Ltr/Hr  0.6 Gal/Hr 2.2 Ltr/Hr  0.4 Gal/Hr 1.4 Ltr/Hr

(7) Perkins® warranty is 2 years/2,000 hours, all non-electric components, 3 years major non-electric components. See warranty for details.



## 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. (One-Pak® Packages require assembly.)

#### Each UNASSEMBLED Package Contains:

- NEW!** • Vantage® 500 (See Order Number Below)
- 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!** K2724-3 Vantage® 500 Perkins® One-Pak® Package



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® Package and get an **assembled** welding package.

#### Each COMPLETELY ASSEMBLED Package Contains:

- NEW!** • Vantage® 500 (See Order Number Below)
- 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!** K2728-3 Vantage® 500 Perkins® Ready-Pak® Package



Completely Assembled Ready-Pak® Pkg.

## RECOMMENDED OPTIONS



### 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



#### Power Plug Kit (15A)

Provides four 120V plugs rated at 15 amps each, and one dual voltage, full KVA 1-phase plug rated at 120/ 240V, 50 amps. 120V plug is compatible with common household receptacles.

Order K802R



#### Full-KVA Power Plug (1-Phase)

One dual voltage plug rated at 120/240V, 50 amps. NEMA 14-50P.

Order T12153-9



#### Full-KVA Power Plug (3-Phase)

One plug rated at 240V, 50 amps. NEMA 15-50P.

Order T12153-10



#### NEW 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



#### NEW 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" 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



#### Spark Arrestor Kit

Mounts to Muffler Exhaust Tube. Virtually eliminates spark emissions.

Order K903-1



#### Service Indicator Kit

Provides a GO/NO-GO visual indication of air cleaner element useful service life. Filter service based on restriction readings allows the longest life possible from the filter and best engine protection.

Order K1858-1



NEW

#### Cold Weather Heater and Tarp Kit

For engine starting and operation in extreme cold weather conditions down to -40°F (-40°C) (with the use of 0W40 synthetic oil and arctic diesel fuel). Includes 120V AC oil pan heater, 120V AC engine block heater, and radiator grill tarp.

Order K2679-1



NEW

#### Polarity/Multi-Process Switch

For easy polarity switching. Example: DC- stick root pass on pipe & DC+ stick for hot, full 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 & 14-pin remote connections can be made to this unit. For all Lincoln Chopper Technology® engine-driven welders. Mounts on roof with K2663-1 Docking Kit.

Order K2642-1



NEW

#### 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 Chopper Technology® engine-driven welders.

Order K2663-1

### 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)



NEW

#### 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.

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

## RECOMMENDED OPTIONS



### Magnum® Parts Kit for PTA-26V TIG Torch

Magnum® Parts Kit provides all the torch accessories you need to start welding. Parts kit provides 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®

Provides 25 ft. (7.6 m) of remote output control for TIG welding. (6-pin plug connection).

**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)



### 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 (Full rated output may not be available). Easy setup. Includes torch, Foot Amptrol® and Gas Regulator & Hose. Requires the K1816-1 Full KVA Adapter Kit.

**Order K2535-1**



### Invertec® V205-T AC/DC One-Pak® Package

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 with Twist-Mate end and foot Amptrol®.

Requires K1816-1 Full-KVA Adapter Kit.

**Order K2350-2**



### 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 engine-driven welders.

**Order K1816-1**

## WIRE FEEDER OPTIONS



**NEW**

### LN-25 PRO Wire Feeder

Portable CC/CV unit for flux-cored and MIG welding with MAXTRAC® wire drive system. Includes gas solenoid and 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"-0.072" (1.8 mm)

**KP1697-5/64**

for 5/64" (2.0 mm)



### Magnum® 300 MIG Gun

For .035"-0.045" (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® 350 Innershield® Gun (for LN-23P)

Rated 350 amps, 60% duty cycle. For .068"-5/64" (1.7-2.0 mm) Innershield® wire and includes reduced speed switch.

**Order K345-10**



### 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 engine power sources with 14-pin MS-type connection, separate 115V NEMA receptacles and output stud connections.

**Order K691-10**

## PLASMA CUTTING



### Pro-Cut® 55

Cuts metal using the AC generator power from the engine-driven welder. Accepts 3-phase or 1-phase input power. Requires the K1816-1 Full KVA adapter kit, if connected for 1-phase input power.

**Order K1580-1**



### 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 engine-driven welders.

**Order K1816-1**

# VANTAGE® 500 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
<b>NEW!</b> VANTAGE® 500 PERKINS®	K2686-1		
<b>NEW!</b> VANTAGE® 500 PERKINS® ONE-PAK® PKG.	K2724-3		
<b>NEW!</b> VANTAGE® 500 PERKINS® READY-PAK® PKG.	K2728-3		
<b>RECOMMENDED GENERAL OPTIONS</b>			
Power Plug Kit - 20 amp	K802N		
Power Plug Kit - 15 amp	K802R		
Full-KVA Power Plug (1-Phase)	T12153-9		
Full-KVA Power Plug (3-Phase)	T12153-10		
<b>NEW!</b> Medium Welder Trailer with Duo-Hitch™ 2" Ball/Lunette Eye Hitch	K2636-1		
<b>NEW!</b> - Fender and Light Kit	K2639-1		
<b>NEW!</b> - Cable Rack	K2640-1		
<b>NEW!</b> Four-Wheeled Steerable Yard Trailer (with Duo-Hitch™: 2" Ball/Lunette Eye Hitch)	K2641-2		
Spark Arrestor Kit	K903-1		
Service Indicator Kit	K1858-1		
<b>NEW!</b> Cold Weather Heater & Tarp Kit	K2679-1		
<b>NEW!</b> Polarity/Multi-Process Switch	K2642-1		
<b>NEW!</b> Docking Kit	K2663-1		
<b>RECOMMENDED STICK OPTIONS</b>			
Accessory Kit	K704		
Remote Output Control			
- 25 ft. (7.6m)	K857		
- 100 ft. (30.5m)	K857-1		
<b>NEW!</b> Remote Output Control w/120V AC Receptacles	K2627-2		
<b>RECOMMENDED TIG OPTIONS</b>			
Pro-Torch® PTA-26V TIG Torch	K1783-9		
Magnum® Parts Kit For PTA-26V TIG Torch	KP509		
Foot Amptrol®	K870		
Hand Amptrol® (All Pro-Torch® TIG torches)	K963-3		
Precision TIG® 225 Ready-Pak® Pkg. (for AC TIG Welding)	K2535-1		
Invertec® V205-T AC/DC One-Pak® Pkg. (for AC TIG welding)	K2350-2		
- Full KVA Adapter Kit (required for K2535-1 and K2350-2)	K1816-1		
<b>RECOMMENDED WIRE FEEDER OPTIONS</b>			
<b>NEW!</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 MIG Gun (for LN-25 PRO) (includes Connector Kit)	K1802-1		
Drive Roll and Guide Tube Kit (for LN-25 PRO)	KP1696-1		
<b>NEW!</b> LN-23P Wire Feeder	K316L-2		
<b>NEW!</b> - Input Cable Assembly, 25 ft. (7.6 m)	K2393-1		
<b>NEW!</b> - Input Cable Assembly, 50 ft. (15.2 m)	K2393-2		
Magnum® 350 Innershield® Welding Gun	K345-10		
Magnum® SG Spool Gun®	K487-25		
- SG Control Module (required)	K488		
- Input Cable (required)	K691-10		
<b>RECOMMENDED PLASMA CUTTING OPTIONS</b>			
Pro-Cut® 55	K1580-1		
- Full KVA Adapter Kit (required for 1-phase input power)	K1816-1		
<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 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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Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.