

**NEW!**

# Vantage<sup>®</sup> 400

**ENGINE DRIVEN WELDERS**

## Compact, Multi-Process, Excellent Value

The Vantage 400 is one of the most compact 400 amp engine-driven welder/generators in the construction, pipe or rental fleet market today. It's also one of the most quiet, with a smooth running 4-cylinder Perkins<sup>®</sup> diesel engine. Use this multi-process welder for arc gouging with up to 5/16" carbons, stick welding with up to 1/4" electrodes and CV wire welding with up to 3/32" wire. You'll value the superior arc performance delivered by Lincoln <sup>CE</sup> Chopper Technology. You'll also appreciate VRD<sup>™</sup> (Voltage Reduction Device<sup>™</sup>), which reduces OCV (open circuit voltage) in the CC-Stick weld mode for added safety.

This model efficiently generates 19,000 watts (peak) of 3-phase or 12,000 watts of 1-phase AC generator power for your lights, grinders and power tools. And, it's housed in a rugged, low maintenance stainless steel enclosure and loaded with many innovative service features. That all totals up to an excellent value!

### Processes

Stick, TIG, MIG, Flux-Cored, Gouging



Output



Input



Engine is Warranted Separately by the Manufacturer

### Advantage Lincoln

- **Compact Case**
  - One of the most compact 400 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, Simple to Operate**
  - Select one of four Process Modes, including CC-Stick (up to 1/4"), Downhill Pipe (for stick), Touch-Start<sup>®</sup> DC TIG or CV-Wire (up to 3/32"<sup>(1)</sup>), and then dial in the desired output.
- **VRD<sup>™</sup> Voltage Reduction Device<sup>™</sup>**
  - Reduced OCV in the CC-Stick weld mode for added safety.
  - First engine-driven welder in North America having this standard feature.
- **Plenty of AC Generator Power**
  - 19 kW peak (17 kW continuous) 3-Phase 240V AC generator power. Will power industrial equipment such as a plasma cutter, pump or inverter welder.
  - 12 kW peak (11 kW continuous) 1-phase AC generator power for common construction tools.
- **Arc Gouging**
  - Arc gouging with up to 5/16" carbons.
- **Reliable Engine**
  - 4 cylinder 1800 RPM Perkins diesel engine runs smooth and quiet. Standard engine gauges allow you to monitor performance at a glance.
- **Low Noise**
  - 99.1 dBA Lwa sound power (74.8 dB at 23 ft./7m) is one of the quietest 400 amp engine-driven welders available.
- **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.
  - Patent-pending tilt down control panel for easy servicing of internal components.
  - Patent-pending radiator cap cover is latched for easy access and is lockable.

(1) 3/32" E70T-6 up to 260 IPM, 27V.

### TECHNICAL SPECIFICATIONS

Product Name	Rated Output Current/Voltage/Duty Cycle	Output Range	Engine Model	No. of Cyl.	HP & Speed (rpm)	Dimensions HxWxD Inches (mm)	Net Weight lbs (kg)
Vantage 400	400A/36V/100% 450A/32V/100%	30-500A DC 40-300A Pipe 20-250A DC TIG 14-36V CV <u>3-Phase AC Power:</u> 19 kW Peak 17 kW Continuous <u>1-Phase AC Power:</u> 12 kW Peak 11 kW Continuous	Perkins 404C-22 Diesel	4	32.7@1800	35.9 x 25.3 x 60.0 (913 x 642 x 1524)	1230 (559)

**LINCOLN<sup>®</sup>**  
**ELECTRIC**  
THE WELDING EXPERTS<sup>SM</sup>

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www.lincolnelectric.com

**PERFORMANCE**

**Arc Performance**

- 400 amps @100% duty cycle with output range up to 500 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 5/16" carbon.
- 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 32 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 32 volts while not welding, and either red (greater than 32 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 32 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 which minimizes the electrode "sticking" to the work.
- Downhill pipe mode with active arc force control. 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). 3/32" E70T-6 up to 260 IPM, 27V.

**Generator Performance**

- 3-Phase 240V AC generator power rated at 19 kW peak (17 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 9,400 watts can be delivered while welding at 300 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.
- The Vantage 400 provides added value at the job site by delivering up to 12 kW peak (11 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 – 4,700 watts can be delivered while welding at 300 amps.
- Two 120V GFCI duplex receptacles.
- All receptacles are circuit breaker protected and have weather protective covers.

**SIMULTANEOUS WELDING AND AUXILIARY POWER**

Weld Amps	1 Phase		OR	3 Phase		OR	Simultaneous 1 and 3 Phase	
	Watts	Amps		Watts	Amps		Watts	Amps
0	11,000	46		17,000	41		11,000	-
100	11,000	46		15,400	37		11,000	-
200	8,000	33		13,000	31		8,000	-
300	4,700	20		9,400	23		4,700	-
400	1,700	7		3,400	8		1,700	-
500	0	0		0	0		0	-

## A CLOSER LOOK

### FEATURES



Single-side engine access with lockable sliding door.



Convenient slide-out battery drawer below control panel.



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



Patent-pending latched and lockable radiator cap cover.



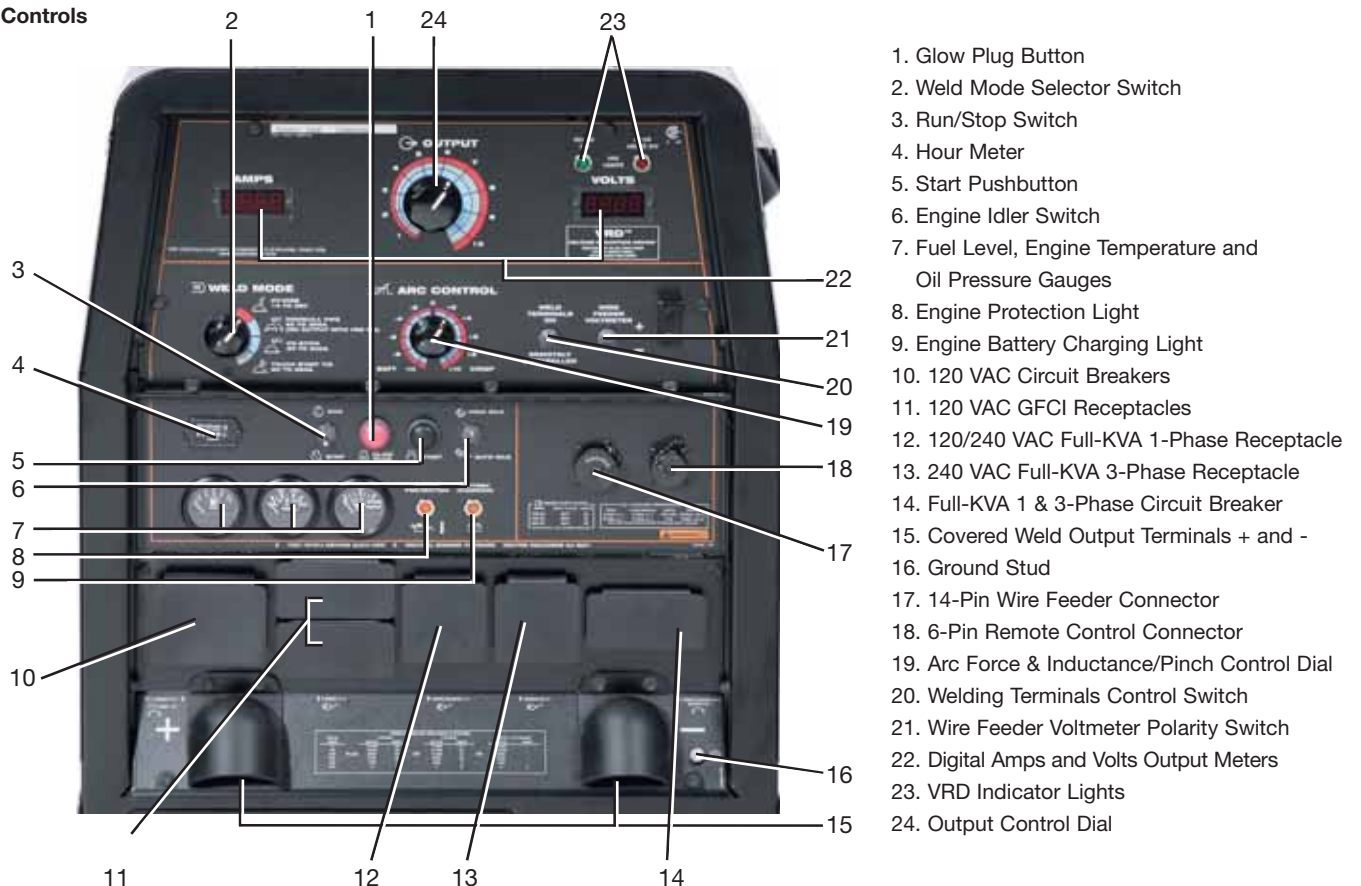
Output automatically switches to remote mode when remote device is connected.



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.
- 15 gallon (57 liter) fuel tank provides run time for an extended day—over 12 hours of welding at 400A/36V/100% duty cycle output, or 36 hours at high idle.
- Kilowatts available for Multi-Weld 350 use: 6 KW @ 60 VDC, 8.7 KW @ 58 VDC.
- Great Engine Choice - 32.7 horsepower water-cooled 4 cylinder Perkins 404C-22 diesel engine. Engine has an automatic idler for greater fuel economy and reduced noise.
- Engine hour meter for scheduled maintenance.
- 14-pin connector for Lincoln wire feeders LF-72, LF-74, LN-7, LN-8, LN-15, LN-25, LN-23P and LN-742. Also compatible with Magnum SG Spool Gun System.
- Two Vantage 400 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 Pushbutton
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 GFCI Receptacles
12. 120/240 VAC Full-KVA 1-Phase Receptacle
13. 240 VAC Full-KVA 3-Phase Receptacle
14. Full-KVA 1 & 3-Phase Circuit Breaker
15. Covered Weld Output Terminals + and -
16. Ground Stud
17. 14-Pin Wire Feeder Connector
18. 6-Pin Remote Control Connector
19. Arc Force & Inductance/Pinch Control Dial
20. Welding Terminals Control Switch
21. Wire Feeder Voltmeter Polarity Switch
22. Digital Amps and Volts Output Meters
23. VRD Indicator Lights
24. Output Control Dial

## 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.
- 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.
- Approved by the Canadian Standards Association.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- 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 Current/Voltage/Duty Cycle	CV Rated Output Current/Voltage/Duty Cycle	AC Power (2) (3)	Dimensions (5) H x W x L inches (mm)	Weight lbs. (kg)
Vantage® 400	K2410-1	400 Amp DC Welder with Engine Gauges  19,000 Watts Peak 17,000 Watts Continuous AC Power 3-Phase  12,000 Watts Peak 11,000 Watts Continuous AC Power 1-Phase	<b>DC Constant Current</b> 400A/36V/100% 450A/32V/100% 30-500 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 @1880 RPM	<b>DC Constant Voltage(1)</b> 400A/36V/100% 450A/32V/100%  14-36V Single Dial Continuous Control  <b>Wire Feeder Power</b> 120V/60Hz 42V/60Hz	19,000 Peak Watts, 60 Hz  Two 120V Duplex GFCI Receptacles 20A Per Duplex 40A Total (4)  1-Phase Full KVA Receptacle 46A@240V 46A@120V Each Branch Circuit(4)  3-Phase Full KVA Receptacle 41A@240V	35.9 x 25.3 x 60.0 in (913 x 642 x 1524mm)	1230 lbs. (559 kg)

- (1) DC Constant Voltage capability provides convenience and added safety when welding in electrically hazardous conditions.  
 (2) When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.  
 (3) 120V will operate either 60Hz or 50/60 Hz power tools, lights, etc.  
 (4) Circuits cannot be wired in parallel to operate the same device.  
 (5) Height is to top of case. Add 7.4 in. (187mm) to top of exhaust elbow.

### ENGINE SPECIFICATIONS

Product Name	Description	Horsepower & Displacement	Capacities	Operating Speeds	Fuel Consumption
Perkins 404C-22 (6)	4 Cylinder, 4 Cycle Water-Cooled Diesel Engine, 12V Electric Start, Dry Type Air Cleaner, Fuel Filter with Water Separator	32.7 HP@1800 RPM  136 cu in (2.2 ltrs)	<b>FUEL:</b> 15 gals (57 ltrs)  <b>OIL:</b> 11.2 qts (10.6 ltrs)  <b>RADIATOR COOLANT:</b> 8.0 qts (7.6 ltrs)	<b>400A Load</b> 1800 RPM  <b>High Idle</b> 1880 RPM  <b>Low Idle</b> 1400 RPM	1.2 Gal/Hr 4.5 Ltr/Hr  0.4 Gal/Hr 1.6 Ltr/Hr  0.3 Gal/Hr 1.0 Ltr/Hr

- (6) 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:**

- Vantage 400 (See Order Number Below)
- Medium Welder Trailer (K953-1)
- Hitch (See Order Number Below)
- Fender and Light Kit (K959-1)
- Cable Rack (K965-1)
- Cable Connectors - two (K2487-1)
- Electrode Cable 3/0, two 50 ft. (15.3m) lengths (K2485-3)
- Electrode Cable 3/0, 10 ft. (3m) (K2483-3)
- Work Cable 3/0, 50 ft. (15.3m) (K2484-3)
- 400A Electrode Holder (K909-8)
- 500A Work Clamp (K910-2)

**Order:**

**K2508-1 One-Pak Vantage 400, K958-1 Ball Hitch**

**K2508-2 One-Pak Vantage 400, K958-2 Lunette Eye Hitch**



Vantage 400



K953-1 Medium Welder Trailer



K958-1 2" Ball Hitch



K958-2 Lunette Eye Hitch

**Ready-Pak® Welding Packages**

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

**Each COMPLETELY ASSEMBLED Package Contains:**

- Vantage 400 (See Order Number Below)
- Medium Welder Trailer (K953-1)
- Hitch (See order number below)
- Fender and Light Kit (K959-1)
- Cable Rack (K965-1)
- Cable Connectors - two (K2487-1)
- Electrode Cable 3/0, two 50 ft. (15.3m) lengths (K2485-3)
- Electrode Cable 3/0, 10 ft. (3m) (K2483-3)
- Work Cable 3/0, 50 ft. (15.3m) (K2484-3)
- 400A Electrode Holder (K909-8)
- 500A Work Clamp (K910-2)
- 1/8" 7018 Excalibur™ - Six 10 lb. Easy Open Cans (ED028482)

**Order:**

**K2509-1 Ready-Pak Vantage 400, K958-1 Ball Hitch**

**K2509-2 Ready-Pak Vantage 400 K958-2 Lunette Eye Hitch**



Completely Assembled Ready-Pak

**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 (1-Phase)**  
One dual voltage plug rated at 120/240V, 50 amps. NEMA 14-50R.  
**Order T12153-9**



**Full-KVA Power Plug (3-Phase)**  
One plug rated at 240V, 50 amps. NEMA 15-50P.  
**Order T12153-10**



**Medium Welder Trailer**  
For heavy-duty road, off-road, plant and yard applications. Includes wheeled jack, safety chains, 14" wheels, and large rear bumper. Stiff 3/16" steel frame, E-Coated and powder painted for rust & corrosion resistance. Low sway suspension gives outstanding stability with manageable tongue weight. E-Z Lube™ Axle-pack wheel bearings with a grease gun. 57" max. width for stability with easy tracking.  
**Order K953-1 Trailer**  
**K958-1 2" Ball Hitch**  
**K958-2 Lunette Eye Hitch**  
**K959-1 Fender & Light Kit**  
**K965-1 Cable Rack**



**Four-Wheeled Steerable Yard Trailer**  
For in plant and yard towing. Includes lunette eye towbar.  
**Order K767-2 Trailer**  
**K958-1 2" Ball Hitch**



**Spark Arrestor Kit**  
Easily mounts to standard muffler. 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 vased on restriction readings allows the longest life possible from the filter and best engine protection.  
**Order K1858-1**

**STICK OPTIONS**



**Accessory Kit**  
Includes 35 ft. (10.7m) 2/0 electrode cable with lug, 30 ft. (9.1m) 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. (7.6m)**  
**K857-1 for 100 ft. (30.5m)**

**TIG OPTIONS**



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



**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. (7.6m) of remote output control for TIG welding. (6 pin plug connection).  
**Order K870**



**Hand Amptrol™**  
Provides 25 ft. (7.6m) 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 185 Ready-Pak**  
For AC TIG Welding with square wave performance use the generator of the Engine-Driven Welder to supply the power. Easy setup. Includes torch, foot amptrol, gas regulator and hose. Requires the K1816-1 Full KVA adapter kit.  
**Order K2347-1**



**Invertec® V205-T AC/DC One-Pak™ Package**  
For AC TIG welding with square wave performance, use the 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 K2350-1**

**TIG OPTIONS, CONT.**



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

**WIRE FEEDER OPTIONS**



**LN-25 Wire Feeder**  
Portable CC/CV unit for flux-cored and MIG welding. Includes Gas Solenoid & Internal Contactor.  
**Order K449**



**LN-15 Across-The-Arc Wire Feeder**  
Portable, lightweight, compact CC/CV unit for flux-cored and MIG welding. Includes gas solenoid, adjustable flow meter and internal contactor. For 10-15 lb. (4.5 - 6.8kg) spools.  
**Order K1870-1**



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



**Drive Roll and Guide Tube Kit (for LN-25)**  
For .068-3/32" (1.8-2.4mm) cored or solid steel wire.  
**Order KP653-3/32**



**Drive Roll and Wire Guide Kit (for LN-15)**  
For 1/16" (1.6mm) cored wire.  
**Order KP1697-1/16C**



**Gun Receiver Bushing**  
For LN-15 and K126-2.  
**Order K1500-1**



**Magnum® 300 MIG Gun**  
For .035-.045" (0.9-1.2mm) gas-shielded wire with 15 ft. (4.5m) cable.  
**LN-25 Order: K1802-1** (Includes Connector Kit)  
**LN-15 Order: K470-2** Magnum 300 MIG Gun  
**K466-10** Connector Kit



**Drive Roll and Guide Tube Kit (for LN-25)**  
For .035-.040" (0.9-1.0mm) solid steel wire.  
**Order KP653-035S**



**Drive Roll and Wire Guide Kit (for LN-15)**  
For .035 (0.9mm) solid steel wire.  
**Order KP1696-035S**



**LN-23P Wire Feeder**  
Portable CV unit for Innershield pipe welding. Control cable operates contactor inside Wire Feed Module for "cold" electrode. Includes drive rolls and guide tubes. Requires LN-23P Adapter Kit (K350-1) and Gun and Cable Assembly.  
**Order K316L-1**

**WIRE FEEDER OPTIONS, CONT.**



**LN-23P Adapter Kit**  
Required to adapt LN-23P to any Lincoln power source. Makes 14 pin connection at power source.  
**Order K350-1**



**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. For pipe welding, a KP1909-1 62° gun tube is recommended.  
**Order K355-10**



**62° Gun Tube for Pipe Welding**  
Recommended modification for K355-X or K345-X guns with 90° gun tubes. Allows more natural positioning for out-of-position pipe welding. Compatible with K126-1, K126-2, K264-8 and K355-10. Current capacity up to 350 amps. Recommended diameters: .062 - 3/32" (1.6-2.8mm).  
**Order KP1909-1**



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

## VANTAGE 400 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
VANTAGE 400	K2410-1		
VANTAGE 400 ONE-PAK® PKG. W/BALL HITCH	K2508-1		
VANTAGE 400 ONE-PAK PKG. W/LUNETTE EYE HITCH	K2508-2		
VANTAGE 400 READY-PAK® PKG. W/BALL HITCH	K2509-1		
VANTAGE 400 READY-PAK PKG. W/LUNETTE EYE HITCH	K2509-2		
<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		
Medium Welder Trailer	K953-1		
- 2" Ball Hitch	K958-1		
- Lunette Eye Hitch	K958-2		
- Fender and Light Kit	K959-1		
- Cable Rack	K965-1		
Four-Wheeled Steerable Yard Trailer (with Lunette Eye Towbar)	K767-2		
-2" Ball Hitch (optional)	K958-1		
Spark Arrestor Kit	K903-1		
Service Indicator Kit	K1858-1		
<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		
Magnum Parts Kit For PTA-26V TIG Torch	KP509		
Foot Amptrol	K870		
Hand Amptrol (All Pro-Torch TIG torches)	K963-3		
Precision TIG 185 Ready-Pak (for AC TIG Welding)	K2347-1		
Invertec V205-T AC/DC One-Pak™ Package (for AC TIG welding)	K2350-1		
- Full KVA Adapter Kit (required for K2347-1 and K2350-1)	K1816-1		
<b>RECOMMENDED WIRE FEEDER OPTIONS</b>			
LN-25 Wire Feeder with Contactor, Solenoid	K449		
LN-15 Across-The-Arc Wire Feeder	K1870-1		
Magnum® 350 Innershield Gun	K126-2		
Drive Roll and Guide Tube Kit (for LN-25)	KP653-3/32		
Drive Roll and Wire Guide Kit (for LN-15)	KP1697-1/16C		
Gun Receiver Bushing (LN-15 and K126-2)	K1500-1		
Magnum® 300 MIG Gun (for LN-25) (includes Connector Kit)	K1802-1		
Magnum 300 MIG Gun (for LN-15)	K470-2		
-Connector Kit (LN-15)	K466-10		
Drive Roll and Guide Tube Kit (for LN-25)	KP653-035S		
Drive Roll and Wire Guide Kit (for LN-15)	KP1696-035S		
LN-23P Wire Feeder	K316L-1		
- LN-23P Adapter Kit	K350-1		
Magnum® 250 Innershield® Welding Gun	K355-10		
62° Gun Tube for Pipe Welding	KP1909-1		
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 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.

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.

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.



## THE LINCOLN ELECTRIC COMPANY

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