

MAKE WORK FLY

Eagle™ 10,000 Plus



Model K2343-4 Shown
Features the Lincoln
Electric GV750
gasoline engine

Unit Includes:

20 ft. (6.0 m) of #2 electrode cable and electrode holder,
15 ft. (4.5 m) of #2 work cable and ground clamp to get you started!

KEY FEATURES

A great choice for getting the job done! For construction contractors, maintenance crews, farmers or ranchers, the Eagle™ 10,000 Plus does a variety of basic welding jobs. And with AC generator power, it handles a variety of other jobs: lights, grinder, Lincoln Electric welders and plasma cutters (separate air supply needed) or emergency power.

- Totally enclosed case protects the engine and limits noise
- Smooth DC welding output

Three-year Lincoln Electric warranty
(parts and labor) on welder.



Processes »

Stick, TIG, MIG, Flux-Cored,
Gouging

Output »



Input »



Product Number »

K2343-4 Eagle 10,000 Plus with
Lincoln Electric GV750 gasoline
engine

FEATURES

- » **Totally Enclosed Case**
 - Engine is fully protected.
 - Multiple service access doors.
 - Low noise – 76.4 dBA sound level at 23 ft. (7 m). 100.7 dB sound power (Lwa) at rated output.
- » **Versatile DC Welding**
 - Smooth DC welding output for a broad range of stick electrode types.
 - MIG, flux-cored and TIG capable (with optional equipment)⁽¹⁾.
- » **10,500 Watts Peak Single-Phase AC Generator Power**
 - Surge for motor starting.
 - 9,000 watts continuous power for generator, plasma cutter or inverter welder.
 - Lights, grinder, power tools.
- » **Gasoline Engine**
 - 2 cylinder, 4 cycle overhead valve air-cooled design.
 - Oil drain extension for easy oil changes.
 - 12 gallon tank for extended run times.
 - Only 1.5 gallons/hour at 210 amps DC, 25V, 100% duty cycle. Visual fuel level gauge on both sides of unit.
- » **Rugged Reliability**
 - Welding and AC generator outputs rated at 104°F (40°C).

⁽¹⁾ A constant voltage (CV) power source is recommended for wire feeder applications. The across-the-arc Lincoln Electric LN-Series wire feeders may be used with a constant current (CC) power source, such as the Eagle™ 10,000 Plus, for non-critical applications where weld quality and deposition properties are not critical.

PERFORMANCE

Arc Performance

- Smooth DC welding output for a broad range of stick electrodes sold at a retailer near you, including Lincoln Electric Fleetweld® 37 (AWS E6013), Fleetweld® 47 (AWS E7014), Fleetweld® 180 (AWS E6011), Lincoln 7018AC (AWS E7018 H8) and Excalibur® 7018 MR (AWS E7018 H4R). Also capable of MIG or flux-cored welding or basic TIG welding in constant current mode.
- Choose DC(+) for a deep penetrating arc or DC(-) for less penetration on thin sheet metal.
- Rated 225 amps/25 volts/40% duty cycle and 210 amps/25 volts/100% duty cycle for CC. All rated outputs at 104°F (40°C).
- Simple Output Range Selector can be used to select one of three amperage ranges with generous overlap for Stick/TIG welding.
- Fine adjustment control allows you to dial in just the right welding output for each application.
- Add productivity with self-shielded flux-cored wire welding in CC mode. Compatible with Lincoln Electric across-the-arc wire feeders for use with a variety of wire electrodes. For applications where weld quality and deposition properties are not critical.
- Expand to AC TIG welding with optional Square Wave™ TIG 200 (powered by AC generator power from the Eagle™ 10,000 Plus) for aluminum and other alloy welding.
- Arc gouge with up to 5/32 in. (4.0 mm) carbon electrode.

AC Generator Performance

- 10,500 watts surge AC generator power. Most surge power in its class. Use for motor starting.
- 9,000 watts continuous AC generator power. For high capacity needs such as a back-up generator, powering a Lincoln Electric plasma cutter, inverter welder, or Square Wave TIG 200. Also for lights, a grinder or other power tools.
- Delivers up to 38 amps from the single 120V/240V full-KVA receptacle. Standard circuit breakers protect the machine as well as your power tools.
- Delivers up to 40 amps from two 120V duplex receptacles.
- Get two tools in one when you use the Eagle™ 10,000 Plus as a power generator for emergency standby power, and/or for welding.
- Optional GFCI (Ground Fault Circuit Interrupter) Kit available for additional protection from electrical shock for 120V receptacles.
- Simultaneous welding and AC generator power – power up to 3,950 watts while welding at 145 amps (AC generator power is reduced when welding simultaneously per table below).

SIMULTANEOUS WELDING AND POWER LOADS

DC Welding Output (Amps)	Permissible Power (Watts)
0	9,000
90	6,000
145	3,950
225	0

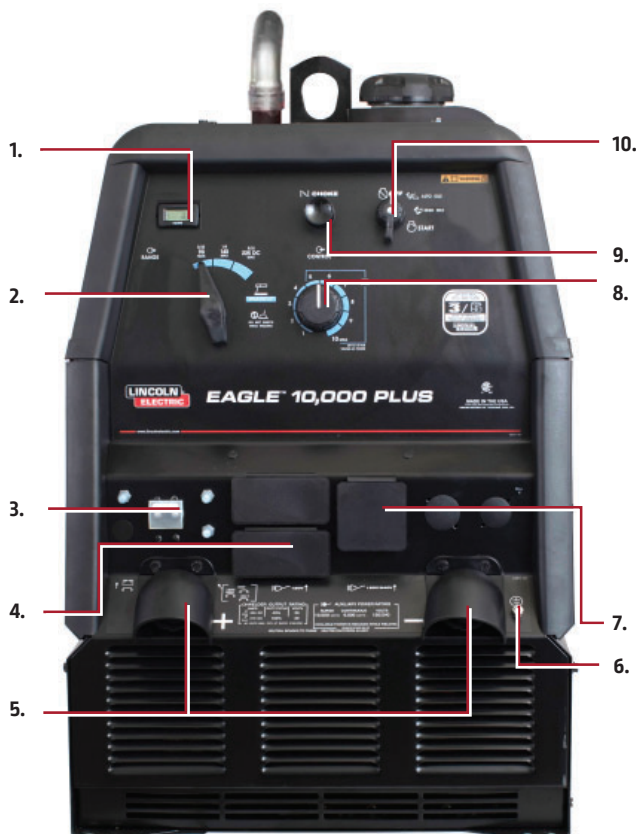
FEATURES

- Top-of-the-line Lincoln Electric GV750 OHV engine
- Multiple engine doors provide machine protection and easy service access.
- Easy to Maintain – Engine requires an oil change only every 100 hours.
- Electric Start Switch for easy starts. Switch combines OFF, START, and IDLER functions into one simple, compact, easy to use switch.
- Circuit breaker on the 12V battery circuit provides added component protection.
- Convenient truck or trailer mounting with front and rear holes in base.
- Fuel level slots in both sides of the base with a decal to easily read the fuel level in the tank. Helps you avoid running out of fuel during critical jobs.



- Large top fuel filler neck is easily accessed for refueling.
- Oil drain valve (no tools required) with extension tube.
- Includes: 20 ft. (6.0 m) of #2 electrode cable, electrode holder, 15 ft. (4.5 m) of #2 work cable and work clamp to get you started!

KEY CONTROLS



1. Engine Hour Meter
2. 3 Position Output Range Selector
3. Circuit Breakers
4. 120 Volt AC Receptacles (NEMA 5-20R)
5. Output Stud Covers
6. Ground Stud
7. 120/240 Volt AC Full KVA Receptacle (NEMA 14-50R)
8. Fine Output Control
9. Engine Choke Control (Stainless Steel Cable)
10. Engine Start Switch with Idler Control

QUALITY AND RELIABILITY

- Longer engine life, reduced noise emissions and greater fuel economy with automatic engine idler.
- Red and black powder paint finish offers increased durability with added protection from rust and corrosion. Also ultraviolet resistant to better retain color and gloss.
- Adjust exhaust direction with top-mounted 360° rotatable exhaust muffler. Muffler made from aluminized steel for long life.
- For service, the Oil dipstick, filters, and spark plugs are easily accessed with multiple engine compartment panels.
- Conveniently located engine maintenance label under top engine door.
- Engine hour meter makes it easy to schedule regular maintenance.
- Automatic engine shutdown protection for low oil pressure.
- Reliable start-up with Group 99 battery with 410 cold cranking amps.
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- Manufactured under a quality system certified to ISO 9001 requirements.
- Canadian Standards Association (CSA) certified.
- Three-year Lincoln Electric warranty (parts and labor) on welder.
- Backed by Lincoln Electric's Service Parts Commitment — We will ship in-stock parts within 24 hours of receipt of the order to anywhere within the U.S.

MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC Rated Output Current/Voltage/Duty Cycle	Generator AC Power ⁽¹⁾⁽²⁾	Dimension H x W x L inches [mm]	Weight lbs. [kg]
Eagle™ 10,000 Plus	K2343-4	225 Amp DC Arc Welder 10,500 Watts Surge 9,000 Watts Continuous AC Power	DC Constant Current 225A/25V/40% 210A/25V/100% Current Ranges 120-225A 70-145A 50-90A Max OCV @ 3700 RPM 80V RMS	10,500 Watts Surge 9,000 Watts Continuous 60 Hz Single Phase Two 120V Duplex Receptacles 20A per Duplex 40A Total ⁽³⁾ 120V/240V Receptacle 38A Each 120V Branch 38A @ 240V	29.9 x 21.5 x 42.3 [759 x 546 x 1074] To top of exhaust tube: 36.2 [920]	514 [233]

⁽¹⁾ When welding, available auxiliary power will be reduced. Output voltage is within +/- 10% at all loads up to rated capacity.

⁽²⁾ 120V will operate either 60 Hz or 50/60 Hz power tools, lights, etc.

⁽³⁾ Circuits cannot be wired in parallel to operate the same device.

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Ignition	Capacities	Operating Speeds	Fuel Consumption
Lincoln Electric OHV ⁽³⁾ GV750 (Gasoline)	2 Cylinder, 4 Cycle, OHV Air-Cooled Gasoline Engine Aluminum Alloy with Cast Iron Liners	22 HP @ 3600 RPM 45 cu in (750 cc)	Electric Start 12V Battery 410 Cold Cranking Amps Manual Choke	FUEL: 12 Gals (45 Ltrs) OIL: 1.6 Qts (1.5 Ltrs)	210A DC 3,500 RPM	1.5 Gals/Hr 5.7 Ltr/Hr
					High Idle 3,700 RPM	0.9 Gals/Hr 3.5 Ltr/Hr
					Low Idle 2,200 RPM	0.4 Gals/Hr 1.6 Ltr/Hr

⁽³⁾ Lincoln Electric GV750 engine warranty is 3 years.

RECOMMENDED ACCESSORIES



GENERAL OPTIONS

Power Plug Kit (20 amp)
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



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



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 engine-driven welders.
Order K1816-1



GFCI Receptacle Kit
Includes one UL approved 120V ground fault circuit interrupter duplex type receptacle and installation instructions. Replaces the factory-installed 120V duplex receptacle. Each receptacle of the GFCI duplex is rated at 20 amps. Maximum total current from the GFCI duplex is limited to 20 amps. Two kits required.
Order K1690-1



Spark Arrestor Kit
Attaches to muffler exhaust tube. Virtually eliminates spark emissions.
Order K1898-1



Canvas Cover
To protect the Eagle™ 10,000 Plus when not in use. Made from attractive red canvas material that is flame retardant, mildew resistant and water repellent.
Order K886-2



All-Terrain Undercarriage
Portable cart for moving the engine drive by hand over various jobsite surfaces. Heavy-duty design with pneumatic or Flat-Free tires.
Order K1737-3 Flat-Free Tires
Order K1737-4 Pneumatic Tires



Factory Undercarriage
Portable cart for moving the engine drive by hand over smooth surfaces. Heavy-duty design with tires and swivel castors.
Order K1770-2 Pneumatic Tires
Order K1770-3 Flat-Free Tires



Shown with optional K2639-1 Fender & Light Kit

Small Two Wheel 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 110 in. (2794 mm).
Order:
K2635-1 Trailer
K2639-1 Fender & Light Kit
K2640-1 Cable Rack



Lincoln Tune-Up Kit (GV750)
Includes: Spark Plug (Qty 2); In-Line Fuel Filter (Qty 1); Air Filter (Qty 1); Air Filter Pre-Cleaner (Qty 1); Oil (2 Quarts); Oil Filter (Qty 1)
Order K5380-1



TIG OPTIONS

Square Wave TIG 200
This 46 lb (21 kg) TIG and stick welder includes adjustable AC Frequency Control and AC Balance for great results on aluminum, pulse mode and 120V or 230V input power capability.
Order K5126-1



WIRE FEEDER OPTIONS¹⁰

LN-Series Across-The-Arc Wire Feeder and Accessories
See Publication E8.101
K2613-5 PRO Standard
K2613-7 PRO Extra Torque
K2614-6 PRO Dual Power



EASY-MIG® 180
Compact wire welder with tapped voltage control for MIG and flux-cored welding. 30 to 180 amp output range. Get input power from the AC generator of the engine-driven welder with the K1816-1 Full-KVA Adapter Kit (required). Add the K2532-1 Magnum™ 100SG Spool Gun for aluminum MIG welding.
Order K2698-1



Weld-Pak® 180i MPDV
Multi-Process, dual voltage, inverter based wire welder for MIG, flux-cored, stick and TIG welding. 30 to 180 amp output range. Get input power from the AC generator of the engine-driven welder with the K1816-1 Full-KVA Adapter Kit (required). Add the K2532-1 Magnum™ 100SG Spool Gun for aluminum MIG welding.
Order K5257-1



Magnum® 100SG Spool Gun
Designed to easily feed 4 in. (102 mm) diameter 1 lbs. (0.45 kg) spools of .030 in. (0.8 mm) or .035 in. (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035 in. (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lbs. (0.45 kg) spool of SuperGlaze® 4043 .035 in. (0.9 mm) MIG wire. Packaged in a convenient carrying case.
Order K3269-1



PLASMA CUTTING OPTIONS

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

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PRODUCT SPECIFICATIONS

Product Name	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)
Eagle™ 10,000 Plus	225A DC CC/25V/40% 210A DC CC/25V/100%	50-225A DC 10,500 watts surge 9,000 watts continuous	Lincoln OHV GV750	2	22 @ 3600	29.9 x 21.5 x 42.3 (759 x 546 x 1074) To top of exhaust tube: 36.2 (920)	514 (233)

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.

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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