

Ranger® GXT

XTra Performance! XTra Power! XTra Protection!

Why settle for less, when you can get more? The Ranger GXT has all of the Xtras you need for construction and maintenance work. This Ranger delivers XTra welding performance with 250 amps for AC or DC stick and wire welding. And, it's remote-ready for extended amperage control or AC TIG welding on aluminum with Lincoln's optional TIG module. The GXT generates XTra power, up to 11,000 watts peak, for lights, grinders and high amperage equipment such as Lincoln's Pro-Cut 55 plasma cutter. With the exclusive Lincoln enclosed case, you get XTra protection and XTra quiet operation. With the Ranger GXT, you get XTra value, without paying more.

Processes

Stick, TIG, MIG, Flux-Cored, Gouging



Output



Input



Advantage Lincoln

XTra Performance!

- Rated 250 amps/25 volts for AC, DC and CV. All rated outputs at 100% duty cycle 104°F (40°C).
- Smooth AC/DC welding output for a broad range of stick electrodes, such as Lincoln Excalibur™ 7018 (AWS E7018) and Fleetweld® 5P+ (AWS E6010). Also capable of MIG, flux-cored, and TIG welding.
- Remote ready! 6-pin connector and local/remote switch for remote control operation. Also for AC/DC TIG Module use with foot or hand Amptrol.
- Electric fuel gauge located on control panel makes it easy to check the fuel level during operation and refueling. Helps you virtually eliminate running low on fuel during critical jobs.
- Electric fuel pump is standard. Avoids vapor lock. Assures consistent fuel delivery in locations having a combination of high altitude, warm ambient temperatures, and high anti-pollution additives in gasoline. **NEW!**

XTra Power!

- 11,000 watts peak (10,000 continuous) AC generator power for high capacity needs such as a back-up generator, or powering Pro-Cut® plasma cutters and Invertec® inverter welders, as well as lights, grinders and other power tools.

XTra Protection!

- Engine doors provide protection and easy service access.
- Lower noise than partially-enclosed and unenclosed welders of comparable size 100.7dB. Listen for yourself and hear the difference!
- Rugged Reliability — Rangers have been subjected to an extensive testing program to ensure reliable operation in a wide variety of environmental conditions.
- Three-year Lincoln warranty on welder (engine is warranted separately by the manufacturer).

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)
NEW! Ranger GXT (CSA)	250A /25V/100%	50-250A AC 50-250A DC 14-28V CV 11,000 watts peak 10,000 watts continuous	Kohler OHV Command® CH20S with Electric Fuel Pump	2	20 @ 3600	36.2 x 21.5 x 42.3 (920 x 546 x 1073)	602 (273)

PERFORMANCE

Arc Performance

- XTra Performance! Rated 250 amps/25 volts for AC, DC and CV. All rated outputs at 100% duty cycle 104°F (40°C).
- Smooth AC/DC welding output for a broad range of stick electrodes, such as Lincoln Excalibur™ 7018 (AWS E7018) and Fleetweld® 5P+ (AWS E6010). Also capable of MIG, Flux-Cored, and TIG welding.
- Choose DC(+) for a deep penetrating arc or DC(-) for softer arc action. Select AC for general purpose welding and excellent aluminum TIG welding.



- Simple Output Range Selector can be used to select one of four amperage ranges with generous overlap for Stick/TIG welding, or two Wire Feed welding ranges.
- Fine Current Control allows you to dial in just the right amperage for each application.
- Add productivity with self-shielded flux-cored CV wire welding. Compatible with Lincoln LN-15 Across-the-Arc and LN-25 wire feeders for use with a variety of wire electrodes.
- Expand to AC TIG welding with optional TIG Module and either a foot or hand Amptrol for excellent aluminum and other alloy welding.
- Arc gouge with up to 3/16" carbon electrode.

AC Generator Performance

- XTra Power! 11,000 watts peak (10,000 continuous) AC generator power for high capacity needs such as a back-up generator, or powering Pro-Cut® plasma cutters and Invertec® inverter welders, as well as lights, grinders and other power tools.
- Delivers up to 42 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 Ranger GXT 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.
- Simultaneous welding and AC auxiliary power — power up to 5,100 watts while welding at 180 amps (AC auxiliary power is reduced when welding simultaneously per table below).
- Take on more jobs — plug in an optional Pro-Cut® 55 plasma cutter to cleanly cut metal.

SIMULTANEOUS WELDING AND POWER LOADS	
Welding Output (Amps)	Continuous Power (Watts)
0	10,000
80	8,700
130	7,200
180	5,100
250	0

FEATURES

- XTra Protection! Engine door provides machine protection and easy service access.
- Totally enclosed Ranger GXT has lower noise than partially-enclosed and unenclosed welders of comparable size. Listen for yourself and hear the difference!
- Remote ready! 6-pin connector and local/remote switch for remote control operation. Also for AC/DC TIG Module use with foot or hand Amptrol.



- Kohler® Command® 20 HP CH20S OHV Gasoline Engine — 100.7 dB sound power (LWA) at rated load. Sound Level = 76.4 dBA at 23 ft. (7m).
- 12 gallon fuel capacity allows you to run an extended day — 20% longer than the nearest competitor!

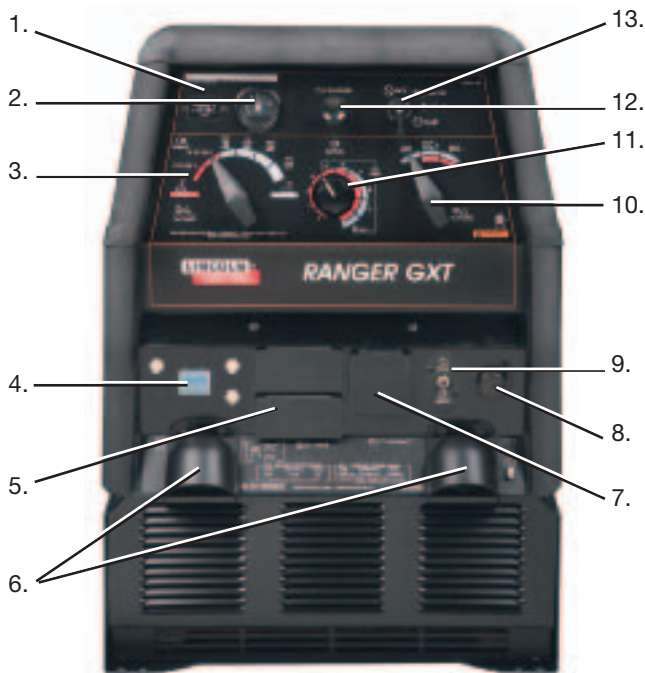
- Electric fuel pump is standard. Avoids vapor lock. Assures consistent fuel delivery in locations having a combination of high altitude, warm ambient temperatures, and high anti-pollution additives in gasoline. **NEW!**
- Electric fuel gauge located on control panel makes it easy to check the fuel level during operation and refueling. Helps you virtually eliminate running low on fuel during critical jobs.



- Large top fuel filler is easily accessed for refueling.
- Electric Start Switch makes it easy to get started every morning. Switch combines OFF, START, and IDLER functions into one simple, compact, easy to use switch.
- Circuit breaker protects battery ignition circuit.
- Convenient truck or trailer mounting with front and rear holes in base.
- Oil drain valve (no tools required) with removable extension tube.
- 435 cold cranking amps with the Group 58 battery for extra starting capacity in sub-zero temperatures.

A CLOSER LOOK

Key Controls



1. Engine Hour Meter
2. Electric Fuel Gauge
3. 6 Position Output Range Selector
4. Circuit Breakers
5. 120 Volt AC Receptacles
6. Output stud covers **NEW!**
7. 120/240 Volt AC Full KVA Receptacle
8. 6-Pin Remote Connector
9. Local/Remote Switch
10. Polarity Switch
11. Fine Output Control
12. Engine Choke Control (Stainless Steel Cable)
13. Engine Start Switch with Idler Control

QUALITY AND RELIABILITY

- Oil dip stick, filters, spark plugs, etc. are easily accessed with left, right and top engine doors. Left and right doors are removable, if desired, for service.
- Adjust exhaust direction with top-mounted 360° rotatable exhaust muffler. Muffler made from aluminized steel for long life.
- Red and black powder paint finish offers increased durability with added protection from rust and corrosion.
- Longer engine life, reduced noise emissions and greater fuel economy with automatic engine idler.
- Conveniently located engine maintenance label under top engine door.
- Automatic engine shutdown protection for low oil pressure.
- Reliable start-up with Group 58 battery with 435 cold cranking amps.
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- Approved by Canadian Standards Association (CSA).
- Manufactured under a quality system certified to ISO 9001 requirements.
- Three-year Lincoln warranty. (Engine is warranted separately by the manufacturer.)
- Backed by Lincoln's Service Parts Commitment — We will ship in-stock parts within 24 hours of receipt of the order to anywhere within the U.S.

A CLOSER LOOK

MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC Rated Output Current/Voltage/Duty Cycle	CV-Rated Output Current/Voltage/Duty Cycle	Generator AC Power (2)(3)	Dimension H(5) x W x L inches (mm)	Weight lbs. (kg)
Ranger GXT (CSA) (Kohler OHV)	K2382-2	250 Amp AC/DC Arc Welder 11,000 Watts Peak 10,000 Watts Continuous AC Power	AC Constant Current 250A/25V/100% DC Constant Current 250A/25V/100% Current Ranges 160-250A 110-180A 70-130A 50-80A Max OCV @ 3700 RPM 80V RMS	DC Constant Voltage (1) 250A/25V/100% 14-22V 18-28V	11,000 Watts Peak 10,000 Watts Continuous 60 Hz Single Phase Two 120V Duplex Receptacles 20A per Duplex 40A Total (4) 120V/240V Receptacle 42A Each 120V Branch (4) 42A @ 240V	36.2 x 21.5 x 42.3 (920 x 546 x 1073)	602 (273)

- (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 60 Hz 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 exhaust elbow. Enclosure height is 30" (762mm).

ENGINE SPECIFICATIONS

Engine Model	Description	Horsepower & Displacement	Ignition	Capacities	Operating Speeds	Fuel Consumption
Kohler OHV (6) Command CH20S (Gasoline)	2 Cylinder, 4 Cycle, OHV Air-Cooled Gasoline Engine Aluminum Alloy with Cast Iron Liners Electric Fuel Pump	20 HP @ 3600 RPM 38.1 cu in (624 cc)	Electric Start 12V Battery 435 Cold Cranking Amps Manual Choke	FUEL: 12 Gals (45 Ltrs.) OIL: 2.0 Qts (1.9 Ltrs)	Full Load 250A DC 3,500 RPM High Idle 3,700 RPM Low Idle 2,400 RPM	1.5 Gals/Hr 5.7 Ltr/Hr 0.8 Gals/Hr 2.9 Ltr/Hr 0.4 Gals/Hr 1.5 Ltr/Hr

- (6) Kohler warranty is 3 years.



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 NEMA common household receptacles.
Order K802N



Power Plug Kit (15 amp)
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 NEMA common household receptacles.
Order K802R



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



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 for all 120V receptacles on Ranger and Commander products.
Order K1690-1



Spark Arrestor Kit
Attaches between muffler and exhaust elbow. Virtually eliminates spark emissions.
Order K1898-1



Canvas Cover
To protect the engine drive 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
For moving by hand at construction sites. Maneuvers over obstacles. Heavy-duty puncture-resistant tires.
Order K1737-1

GENERAL OPTIONS, CONT.



Factory Undercarriage
For moving by hand on smooth surface floors. Heavy-duty, puncture-resistant tires and front caster. Convenient steering handle.
Order K1770-1



Gas Cylinder Holder
Holds welding gas cylinder or LPG tank (for products with LPG engine). Can use either one or two holders with K1770-1 undercarriage.
Order K1745-1



Cable Carrier Kit
Holds up to two 100 ft. lengths of 2/0 or smaller cable. Includes holder tray for electrodes or miscellaneous items. For use with K1737-1 or K1770-1 undercarriage.
Order K1739-1



Roll Cage
Improves damage protection and includes built-in cable rack. Attaches to K1737-1 or K1770-1 undercarriage. Can mount to K957-1 trailer.
Order K1788-1



Small Two Wheel Welder Trailer
For heavy-duty road, off-road, plant and yard use. Includes wheeled-jack, safety chains, 12 in. wheels, and large rear bumper. Stiff 3/16 in. steel frame is prime painted using three-coat process and finished with powder coating technology for superior rust and corrosion resistance. Low sway suspension gives outstanding stability with manageable tongue weight. E-Z Lube™ Axle-pack wheel bearings with a grease gun. Compact and maneuverable, with 47 in. max. width for narrow aisles and doors.
Order:
K957-1 Trailer
K958-1 2" Ball Hitch
K958-2 Lunette Eye Hitch
K959-2 Fender & Light Kit
K965-1 Cable Rack

STICK OPTIONS



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



Accessory Kit
For stick welding. Includes 20 ft. (6.1m) #6 electrode cable with lug, 15 ft. (4.6m) #6 work cable with lugs, headshield, filter plate, work clamp, electrode holder and sample pack of mild steel electrode. 150 amp capacity.
Order K875



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

TIG OPTIONS



Pro-Torch® PTA-26 TIG Torch
Air-Cooled 200 amp torch (2 piece separate power conductor and a braided gas hose).
Order K1783-4



Magnum Parts Kit for PTA-26V
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 pack.
Order KP509



TIG Module
Portable, high frequency unit with gas valve for TIG welding. Rated at 300 amps/60% duty cycle.
Order K930-2



Control Cable
Connects TIG Module to power source. Comes with 9-pin TIG Module connector and power source 6-pin connector and 120V plug.
Order K936-3



TIG OPTIONS, CONT.

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).



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



Contactor Kit
Installs in the K930-2 TIG Module for use with welders without a contactor. Makes the TIG torch electrode electrically “cold” until the Amptrol® is activated.
Order K938-1



Docking Kit
Secures TIG Module to top of flat-roofed power source.
Order K939-1



Control Cable Extension
Allows the TIG Module to be operated at distances up to 200 ft. from the power source. Available in 45 ft. (13.7m) sections.
Order K937-45



Water Valve Kit
For use with a water-cooled TIG torch. Installs inside of TIG Module.
Order K844-1

WIRE FEEDER OPTIONS



LN-25 Wire Feeder
Portable CC/CV unit for flux-cored and MIG welding. Includes gas solenoid & internal contactor. For spools up to 44 lbs. (20 kg).
Order K440



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

**WIRE FEEDER OPTIONS,
CONT.**



**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)**
For use with K126-2 Magnum 350
Innershield Gun.
Order K1500-1



Magnum® 300 MIG Gun
For .035-.045 (0.9-1.2mm) gas-
shielded wire with 15 ft. (5.4m)
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

**WIRE FEEDER OPTIONS,
CONT.**



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

PLASMA CUTTING OPTIONS



Pro-Cut® 55
Cuts metal using the AC
generator power from the engine-
driven welder. Requires the
K1816-1 Full-KVA adapter kit.
Order K1580-1



Full-KVA Adapter Kit
Provides convenient connection of
Lincoln Electric equipment with
NEMA 6-50R plug to Lincoln
engine-driven welders having a Full
KVA receptacle.
Order K1816-1

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 requirements.

Subject to Change — This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

RANGER GXT ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
RANGER GXT (CSA) (Kohler OHV Command CH20S Engine) <i>NEW!</i>	K2382-2		
RECOMMENDED GENERAL OPTIONS			
Power Plug Kit (20 amp)	K802N		
Power Plug Kit (15 amp)	K802R		
Full-KVA Power Plug	T12153-9		
GFCI Receptacle Kit (20 amp) 2 kits required	K1690-1		
Spark Arrestor Kit	K1898-1		
Canvas Cover	K886-2		
Undercarriages			
All Terrain Undercarriage	K1737-1		
Factory Undercarriage	K1770-1		
- Gas Cylinder Holder (for K1770-1)	K1745-1		
- Cable Carrier Kit	K1739-1		
- Roll Cage (attaches to K1737-1 and K1770-1 and K957-1 trailer)	K1788-1		
Small Two Wheel Welder Trailer	K957-1		
- Two Inch Ball Hitch	K958-1		
- Lunette Eye Hitch	K958-2		
- Fender and Light Kit	K959-2		
- Cable Rack	K965-1		
RECOMMENDED STICK OPTIONS			
Accessory Kit, 400 amp	K704		
Accessory Kit, 150 amp	K875		
Remote Control Kit, 25 ft. (7.6m)	K857		
Remote Control Kit, 100 ft. (30.5m)	K857-1		
RECOMMENDED TIG OPTIONS			
Pro-Torch® TIG Torch PTA-26 (25 ft.)	K1783-4		
Magnum Parts Kit	KP509		
TIG Module	K930-2		
- Control Cable (required)	K936-3		
- Hand Amptrol® (All Pro-Torch TIG torches)	K963-3		
- Foot Amptrol®	K870		
- Contactor Kit (required)	K938-1		
- Docking Kit	K939-1		
- Control Cable Extension	K937-45		
- Water Valve Kit	K844-1		
RECOMMENDED WIRE FEEDER OPTIONS			
LN-25 Wire Feeder with Contactor, Solenoid	K449		
LN-15 Across-The-Arc Wire Feeder	K1870-1		
Magnum® 350 Innershield Gun (for LN-25, LN-15)	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 (for 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 (for 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		
RECOMMENDED PLASMA CUTTING OPTIONS			
Pro-Cut 55	K1580-1		
- Full-KVA Adapter Kit (required)	K1816-1		
	TOTAL:		