

NEW!

ENGINE DRIVEN WELDERS

Outback® 145

Processes

Stick

Product Number

K2707-1

See back for complete specs

Output Range

50-145A DC Welding

4,750 Watts Peak AC Generator

4,250 Watts Continuous AC Generator

Rated Output - Current/Voltage/Duty Cycle

125A DC/25V/30%

100A DC/25V/60%

80A DC/25V/100%

Number of Cylinders

1

HP @ Speed (rpm)

10 @ 3,600

Weight/Dimensions (H x W x D)

238 Lbs. (108 Kg)

25.5 x 21.1 x 31.5 in.

(647 x 536 x 800 mm)

Built For The Outdoors!™

It's great for service trucks, fence contractors maintenance crews, farmers, ranchers and anyone who needs portable DC stick welding and AC generator power!

FEATURES

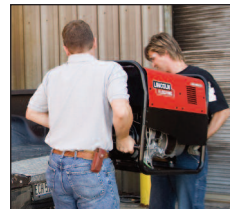
- ▶ **Low-Lift™ Grab Bars (Patent Pending)**
 - More leverage for lifting unit on and off truck beds.
 - Extra protection against product damage.
 - Best in class feature!
- ▶ **1-1/4 in. (32 mm) Diameter Rugged Tube Frame**
 - Great for all-around sturdy protection.
 - Largest diameter tube frame in its class!
 - Best in class feature!
- ▶ **6.8 Gallon (25.7 Liter) Fuel Tank**
 - For extended run times, less frequent re-fueling.
 - Large fuel fill opening for easy re-fueling too.
 - Best in class feature!
- ▶ **DC Welding with up to 1/8 in. (3.2 mm) Stick Electrode**
 - Up to 145 amps of DC output for many applications.
- ▶ **4,750 Watts Peak (4,250 Watts Continuous) AC Generator Power**
 - Many uses! Grinder, work lights, pump, motor starting, or emergency power.
 - Plug in a Lincoln POWER MIG® 140C or POWER MIG® 180C for wire welding!

APPLICATIONS

- ▶ Contractors
- ▶ Maintenance and Repair
- ▶ Ranch/Farm



DC stick welding



Low-Lift™ Grab Bars

INPUT



OUTPUT



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



ARC PERFORMANCE

- Up to 145 amps of smooth DC welding output for welding steel, stainless steel, cast iron or hardfacing projects with up to 1/8 in. (3.2 mm) stick electrode. Choose from a broad range of electrodes including Lincoln Excalibur® 7018 (AWS E7018) and Fleetweld® 5P+ (AWS E6010).
- Single, full range calibrated welding output dial makes it simple to dial in the best amperage for your repair, maintenance or fabrication project. Dial also includes operating ranges for 3/32 in. (2.4 mm) and 1/8 in. (3.2 mm) electrode.

AC GENERATOR PERFORMANCE

- Delivers up to 17.7 amps continuous power from the 240V AC receptacle, and up to 35.4 amps continuous power from the 120V AC duplex receptacle.
- Plug in a low-cost Lincoln POWER MIG® 140C or POWER MIG® 180C compact wire feeder welder directly to an Outback® 145 (no adapters needed) for high-productivity welding. Weld with flux-cored or MIG wire on steel and stainless steel. Weld with MIG wire on aluminum.
- All outlets are circuit breaker protected.
- Optional GFCI (Ground Fault Circuit Interrupter) Kit available for additional protection from electric shock.

FEATURES

- Subaru® 10 HP Model EX30 OHC (overhead cam) gasoline engine with:
 - One pull starting.
 - Cast iron cylinder liner for long engine life.
 - Automatic shutdown for low oil level.
 - 3 Year Subaru® engine warranty.
- Easy to maintain engine with oil changes only every 100 hours. No oil filter to change.
- Hour meter on control panel to monitor run time for scheduled engine maintenance.
- Noise at rated load:
 - 101 dB Sound Power (Lwa)
 - 76.5 dBA Sound Level at 23 ft. (7 m)
- Combination muffler / spark arrestor virtually eliminates spark emissions.
- Optional undercarriage has puncture-proof (foam filled) tires for easy transport, fold down handles for easy storage when not needed, and convenient holders for wrapping welding output cables.

QUALITY AND RELIABILITY

- Welding and AC Generator Outputs Rated at 104°F (40°C).
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- 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.
- Manufactured under a quality system certified to ISO 9001 requirements.
- Canadian Standards Association (CSA) certified.
- Three-year Lincoln warranty on parts and labor. (Engine is warranted separately by the manufacturer).

GENERATOR POWER APPLICATION CHART

Suggested Power Applications	Running Watts (Continuous)	Start-Up Watts ⁽¹⁾ (Surge)
Airless Sprayer - 1/3 HP	600	1,500 - 2,400
Electric Motor - 1 HP	1,000	2,500 - 4,000
Portable Grinder (7")	2,000	
Halogen Work Light	500	
Hand Drill - 3/8"	700	
Heater	1,750	
Submersible Pump - 1 HP	1,000	2,500 - 4,000
Sump Pump	600	1,500 - 2,400
Lincoln Wire Feeder/Welder	4,250	

(1) Equipment with unusually high START-UP WATTS is listed. For start-up of other tabled equipment that uses a motor, allow up to 2 times the RUNNING WATTS shown above. Multiple loads can be used as long as the total load does not exceed 4,250 watts continuous.

Note: Wattage listing is approximate. Check your equipment for actual wattage.

KEY CONTROLS

1. Engine Hour Meter
2. Output Control Dial
3. 120 Volt AC Receptacles (NEMA 5-20R)
4. Circuit Breaker
5. 240 Volt AC Receptacle (NEMA 6-50R)
6. Output Studs
7. Grounding Stud



MACHINE SPECIFICATIONS

Product Name	Ordering Information	Description	CC Rated Output Current/Voltage/Duty Cycle	Generator AC Power ⁽¹⁾	Dimensions H x W x L inches (mm)	Weight lbs. (kg)
Outback® 145	K2707-1	145 Amp DC Arc Welder with 4,750 Watts Peak 4,250 Watts Continuous AC Power	DC Constant Current 80A DC/25V/100% 100A DC/25V/60% 125A DC/25V/30% Current Range 50-145 A Max. OCV@ 3750 RPM 80V DC	4,750 Watts Peak 4,250 Continuous 60 Hz, 120V/240V AC ⁽²⁾ Single Phase 100% Duty Cycle 120V Duplex Receptacles 20 Amps Each 35.4 Amps Total ⁽³⁾ 240V Receptacle 17.7 Amps	25.5 x 21.1 x 31.5 (647 x 536 x 800)	238 (108)

(1) When welding, available auxiliary power will be reduced.

(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
Subaru® EX30 ⁽⁴⁾	1 Cylinder, 4 Cycle, Overhead Cam Air Cooled, Gasoline Engine Aluminum Alloy, Cast Iron Liner	10 HP @ 3,600 RPM 17.5 cu in (287 cc)	Manual Recoil Start, with Automatic Compression Release; Manual Choke; On/Off Switch	FUEL: 6.8 Gals (25.7 Ltrs) OIL: 1.1 Qts (1.0 Ltrs)	FULL LOAD 3,600 RPM HIGH IDLE 3,750 RPM	0.71 Gals./Hr 2.69 Ltrs./Hr 0.30 Gals./Hr 1.12 Ltrs./Hr

(4) Subaru® warranty is three years.

PRODUCT SPECIFICATIONS

Product Name	Rated Output Current/Voltage/ Duty Cycle	Output Range	Engine Model	Number of Cylinders	HP@ Speed (rpm)	Dimensions H x W x D inches (mm)	Net Weight lbs. (kg)
Outback® 145	80A DC/25V/100% 100A DC/25V/60% 125A DC/25V/30%	50-145 DC 4,750 Watts Peak 4,250 Watts Continuous	Subaru® EX30	1	10 @ 3,600	25.5 x 21.1 x 31.5 (647 x 536 x 800)	238 (108)

RECOMMENDED ACCESSORIES AND OPTIONS



Accessory Kit

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

Order K875



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. 2 kits required.

Order K1690-1



POWER MIG® 180C

Premium compact wire welder with continuous 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. Add the K2532-1 Magnum® 100SG Spool Gun for aluminum MIG welding

Order K2473-1



Undercarriage

Puncture-proof (foam filled) tires for easy transport and durability. Fold down handles for easy storage when not needed, and convenient holders for wrapping welding output cables.

Order K2722-1



WIRE FEEDER OPTIONS

POWER MIG® 140C

Premium compact wire welder with continuous voltage control for MIG and flux-cored welding. 30 to 140 amp output range. Get input power from the AC generator of the engine driven welder. Add the K2532-1 Magnum® 100SG Spool Gun for aluminum MIG welding

Order K2471-1



Magnum® 100SG Spool Gun

Designed to easily feed 4" (102 mm) diameter 1 lb. (0.45 kg) spools of .030" (0.8 mm) or .035" (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035" (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lb. (0.45 kg) spool of SuperGlaze® 4043 .035" (0.9 mm) MIG wire. Packaged in a convenient carrying case. (Requires POWER MIG® 140C or 180C)

Order K2532-1



Lift Bail Kit

Easily installed kit for lifting the machine with a fixed lifting point.

Order K2819-1



Canvas Cover

To protect the Outback® 145 when not in use. Made from attractive red canvas material that is flame retardant, mildew resistant and water repellent.

Order K2804-1

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

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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