

Processes
Stick

Product Number
K2706-3

See back for complete specs

Output Range
50-185A DC Welding
5,700 Watts Peak AC Generator
5,200 Watts Continuous AC Generator

Rated Output Current/Voltage/Duty Cycle
100A DC/25V/100%
130A DC/25V/60%
150A DC/25V/20%

Number of Cylinders
1

HP @ Speed (RPM)
14 HP @ 3,600 RPM

Weight/Dimensions (H x W x D)
141 kg
647 x 536 x 800 mm

ADVANTAGE

▶ 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!

▶ All Engine Controls on Front Control Panel

- Easy access for starting, especially when mounted on truck beds.
- Front panel includes electric start switch and engine choke control.
- Best in class feature!

▶ Rugged Tube Frame

- 32 mm Diameter
- Great for all-around sturdy protection.
- Best in class feature!

▶ 25.7 Litre Fuel Tank

- Less frequent re-fueling, for extended run times.
- Large fuel fill opening for easy re-fueling too!
- Best in class feature!

▶ Weld with up to 4 mm Stick Electrode

- Up to 185 amps of DC output for many applications.

▶ 5,700 Watts Peak AC Generator Power

- 5,200 Watts Continuous.
- Many uses! Grinder, work lights, pump, motor starting, or emergency power.
- Plug in a Lincoln Electric POWER MIG® 180C for wire welding.
- Plug in a Lincoln Electric Invertec® PC210 Plasma cutter to cut metal.



INPUT



OUTPUT



Powered By:
KOHLER.

Built for the Outdoors!™

Great for anyone who needs portable DC stick welding and AC generator power! The Low-Lift™ grab bars on both ends make lifting the Outback® 185 on and off truck beds easy. The compact Outback® 185 is easy to start with all engine controls on the front of the machine, and it's easy to use for welding. Use the AC generator power for a variety of applications described below with the large 25.7 litre fuel tank! Plug in a Lincoln Electric POWER MIG® 180C for wire welding too.

APPLICATIONS

- ▶ Service Trucks
- ▶ Farmers
- ▶ Contractors
- ▶ Maintenance Crews
- ▶ Emergency Power



OUTBACK® 185

ARC PERFORMANCE

- Up to 185 amps of smooth DC welding output for welding steel, stainless steel, cast iron or hardfacing projects with up to 4.0mm stick electrode. Choose from a broad range of electrodes including Lincoln Electric Easyarc™ 6013 (AWS E6013), 7018 (AWS E7018) and Fleetweld® 5P+ (AWS E6010).

AC GENERATOR PERFORMANCE

- Delivers up to 15 amps continuous power from the 240V AC receptacles.
- Plug in a Lincoln Electric POWER MIG® 180C compact wire feeder welder directly to an Outback® 185 for high-productivity wire welding. Weld with flux-cored or MIG wire on steel and stainless steel. Weld aluminum with the MIG process using the optional Magnum® 100SG spool gun.
- Plug in a Lincoln Electric Invertec® PC- 210 Air plasma cutter to cut metal. This product includes an integrated internal air compressor.
- All outlets are circuit breaker protected and are IP66 rated.
- RCD for additional protection from electric shock.

- Single, full range calibrated welding output dial makes it simple to dial in the ideal current for your repair, maintenance or fabrication project. Dial also includes operating ranges for 2.5 mm, 3.2 mm and 4 mm electrode.

GENERATOR POWER APPLICATION CHART

Suggested Power Applications	Running Watts (Continuous)	Start-Up Watts (Peak) (1)
Airless Sprayer - 1/3 HP	600	1,500 - 2,400
Electric Motor - 1 HP	1,000	2,500 - 4,000
Portable Grinder - 7 in.	2,000	
Halogen Work Light	500	
Hand Drill - 3/8 in.	700	
Heater	1,750	
Submersible Pump - 1 HP	1,000	2,500 - 4,000
Sump Pump	600	1,500 - 2,400
Lincoln Electric Wire Feeder/Welder	4,800	
Lincoln Electric Plasma Cutter	5,000	

(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 5,200 watts continuous.

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

FEATURES



- Low-Lift™ grab bars provide more leverage compared to competitive equipment for lifting the Outback® 185 on and off truck beds and other high surfaces. Grab bars also provide extra protection against product damage.
- 32 mm diameter rugged tube has holes in base cross members for easy truck mounting.
- Automatic engine idler for greater fuel economy, longer engine life and reduced noise.
- Kohler 14 HP Model CH440 OHV (overhead valve) petrol engine with:

- ▶ Electric start with recoil start backup for a weak battery.
- ▶ Cast iron cylinder liner for long engine life.
- ▶ Automatic shutdown for low oil level.
- ▶ 3 Year Kohler® engine warranty.

- Electric start switch for easy starts. Switch combines OFF, START and IDLE functions into one simple, compact, easy to use switch.
- 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 (see next page).
- Noise at rated load:
 - ▶ 103.3 dB Sound Power (Lwa)
 - ▶ 78.9 dBA Sound Level at 7 m
- Combination muffler/spark arrestor virtually eliminates spark emissions.

QUALITY AND RELIABILITY

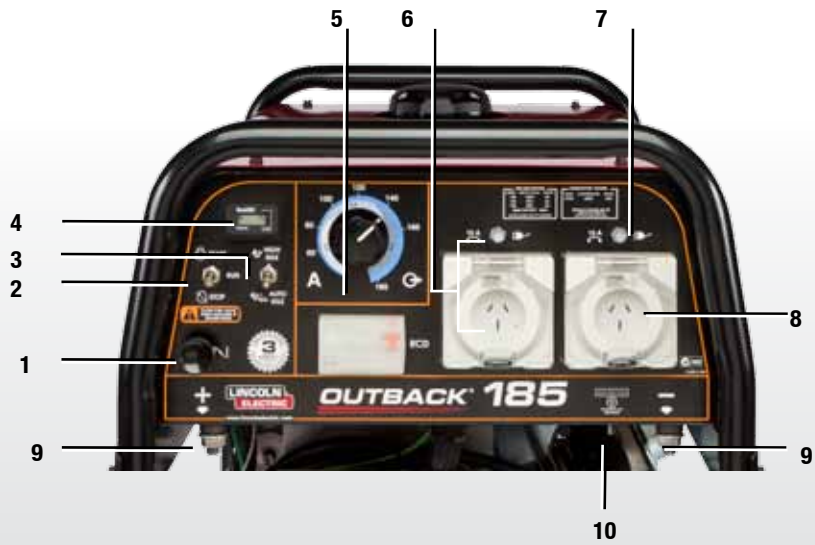
- Welding and AC generator outputs rated at 40° C.
- Dependability and long life aided by all-copper windings in rotor and stator with high quality insulation.
- Red and black powder paint finish offers increased durability with added protection from rust and corrosion. Ultraviolet resistant to better retain color and gloss.
- Manufactured under a quality system certified to ISO 9001 requirements.

- This equipment meets U.S. EPA EVAP standards for reduced emissions of petrol vapor.
- Canadian Standards Association (CSA) certified.
- Three-year Lincoln Electric warranty on parts and labor (engine is warranted separately by the manufacturer).

LINCOLN®
ELECTRIC
THE WELDING EXPERTS®

OUTBACK® 185

1. Engine Choke Control (Stainless Steel Cable)
2. Start/Run/Stop Switch
3. Idler Control Switch
4. Engine Hour Meter
5. Output Control Dial
6. 240 Volt AC Receptacles
7. 240V Circuit Breaker
8. 240 Volt AC Receptacle
9. Output Studs
10. Grounding Stud



MACHINE SPECIFICATIONS

Product Name	Product Number	Description	CC Rated Output Current/Voltage/Duty Cycle	Generator AC Power ⁽¹⁾	Dimensions H x W x L (mm)	Weight (kg)
Outback® 185	K2706-3	185 Amp DC Arc Welder with 5,700 Watts Peak 5,200 Watts Continuous AC Power	DC Constant Current 100A DC/25V/100% 130A DC/25V/60% 150A DC/25V/20% Current Range 50-185 A Max. OCV@ 3750 RPM 80V RMS	5,700 Watts Peak 5,200 Continuous 60 Hz, 240V AC ⁽²⁾ Single Phase 100% Duty Cycle Circuit Breaker Protection 240V Receptacle IP66 15 Amps	647 x 536 x 800	141

⁽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

Product Name	Description	Horsepower & Displacement	Ignition	Capacities	Operating Speeds
Kohler® CH440 ⁽⁴⁾	1 Cylinder, 4 Cycle, Overhead Valve Air Cooled, Gasoline Engine Aluminum Alloy, Cast Iron Liner	14 HP @ 3,600 RPM 26.2 cu in (429 cc)	Electric Start with Recoil Start Included, Manual Choke; On/Off Switch	FUEL: 25.7 Ltrs OIL: 1.1 Ltrs	FULL LOAD ⁽⁵⁾ 3,400 RPM HIGH IDLE 3,750 RPM LOW IDLE 2,275 RPM

⁽⁴⁾ Kohler® warranty is three years.

⁽⁵⁾ Continuous AC generator power.

OUTBACK® 185

PRODUCT SPECIFICATIONS

Product Name	Product Number	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® 185	K2706-3	100A DC/25V/100% 130A DC/25V/60% 150A DC/25V/20%	50-185A DC 5,700 Watts Peak 5,200 Watts Continuous	Kohler® CH440	1	14 @ 3,600	647 x 536 x 800	141

RECOMMENDED ACCESSORIES AND OPTIONS

GENERAL OPTIONS



Undercarriage

Puncture-proof (foam filled) tires for durability and easy transport. Long handles with comfortable non-slip grips for easy lifting. Handles fold down for storage when not needed. Convenient holders for wrapping welding output cables.

Order K2722-1



Lift Bail Kit

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

Order K2819-1



Canvas Cover

To protect the Outback® 185 when not in use. Made from attractive red canvas material that is flame retardant, mildew resistant and water repellent.

Order K2804-1



POWER MIG® 180C

Premium compact wire welder with continuous voltage control for MIG and flux-cored welding. (Maximum output is not available, as current input from the AC generator is limited.) Add the K2532-1 Magnum® 100SG Spool Gun for aluminum MIG welding.

Order K2668-1



Magnum® 100SG Spool Gun

Designed to easily feed 102 mm diameter 0.45 kg spools of 0.8 mm or 0.9 mm diameter

SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, 0.9 mm contact tips (qty. 3), gas nozzle, and a 0.45 kg spool of SuperGlaze® 4043 0.9 mm MIG wire. Packaged in a convenient carrying case.

(Requires POWER MIG® 180C)

Order K2532-1



PLASMA CUTTING

Invertec® PC210

Cuts metal using the AC generator power from the engine-driven welder. This product includes an integrated internal air compressor.

Order K12038-2

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