OUTBACK® 185

Processes
Stick

Product Number
K2706-2

See back for complete specs

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

Number of Cylinders
1

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

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 6.8 gallon (25.7 liter) fuel tank! Plug in a Lincoln Electric POWER MIG® 140C or POWER MIG® 180C for wire welding too.

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!

¬ 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!

¬ 1-1/4 in. (32 mm) Diameter Rugged Tube Frame
  - Great for all-around sturdy protection.
  - Best in class feature!

¬ 6.8 Gallon (25.7 Liter) 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 5/32 in. (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® 140C or POWER MIG® 180C for wire welding.
  - Plug in a Lincoln Electric Tomahawk® 375 Air to cut metal.

APPLICATIONS

¬ Service Trucks
¬ Fence Contractors
¬ Maintenance Crews
¬ Farmers
¬ Ranchers

Input

Output

5.7 kW

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

Powered By:

KOHLER.

THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.
PH: +1.216-481-8100 • www.lincolnelectric.com
• Up to 185 amps of smooth DC welding output for welding steel, stainless steel, cast iron or hardfacing projects with up to 5/32 in. (4 mm) stick electrode. Choose from a broad range of electrodes including Lincoln Electric Excalibur® 7018 (AWS E7018) and Fleetweld® SP+ (AWS E6010).

• 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.

• 1-1/4 in. (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) gasoline 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 23 ft. (7 m)

• Combination muffler/spark arrestor virtually eliminates spark emissions.

• 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 3/32 in. (2.4 mm), 1/8 in. (3.2 mm) and 5/32 in. (4 mm) electrode.

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• Optional GFCI (Ground Fault Circuit Interrupter) Kit available for additional protection from electric shock.

• Manufactured under a quality system certified to ISO 9001 requirements.

• This equipment meets U.S. EPA EVAP standards for reduced emissions of gasoline vapor.

• Canadian Standards Association (CSA) certified.

• Three-year Lincoln Electric warranty on parts and labor (engine is warranted separately by the manufacturer).

• Suggested Power Applications

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

(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.
KEY CONTROLS

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. 120 Volt AC Receptacles (NEMA 5-20R)
7. 120V Circuit Breakers
8. 240V Circuit Breaker
9. 240 Volt AC Receptacle (NEMA 6-50R)
10. Output Studs
11. Grounding Stud

MACHINE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Description</th>
<th>CC Rated Output Current/Voltage/Duty Cycle</th>
<th>Generator AC Power (W)</th>
<th>Dimensions H x W x L inches (mm)</th>
<th>Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outback® 185</td>
<td>K2706-2</td>
<td>185 Amp DC Arc Welder with 5,700 Watts Peak 5,200 Watts Continuous AC Power</td>
<td>DC Constant Current 100A DC/25V/100% 130A DC/25V/80% 150A DC/25V/20% Current Range 50-185 A Max. OCV@ 3750 RPM 80V RMS</td>
<td>5,700 Watts Peak 5,200 Continuous 60 Hz, 120W/240V AC Single Phase 100% Duty Cycle Circuit Breaker Protection 120V Duplex Receptacles 20 Amps Each 40 Amps Total</td>
<td>25.6 x 21.8 x 31.5 (651 x 553 x 800)</td>
<td>295 (134)</td>
</tr>
</tbody>
</table>

(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

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Horsepower &amp; Displacement</th>
<th>Ignition</th>
<th>Capacities</th>
<th>Operating Speeds</th>
<th>Fuel Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kohler® CH440</td>
<td>1 Cylinder, 4 Cycle, Overhead Valve Air Cooled, Gasoline Engine Aluminum Alloy, Cast Iron Liner</td>
<td>14 HP @ 3,600 RPM 26.2 cu in (429 cc)</td>
<td>Electric Start with Recoil Start Included, Manual Choke; On/Off Switch</td>
<td>FUEL: 6.8 Gals (25.7 Ltrs) OIL: 1.2 Qts (1.1 Ltrs)</td>
<td>FULL LOAD 3,400 RPM</td>
<td>1.09 Gals./Hr 4.13 Ltrs/Hr</td>
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<td></td>
<td></td>
<td></td>
<td>HIGH IDLE 3,750 RPM</td>
<td>0.45 Gals./Hr 1.70 Ltrs/Hr</td>
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<td></td>
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<td></td>
<td>LOW IDLE 2,275 RPM</td>
<td>0.22 Gals./Hr 0.83 Ltrs/Hr</td>
</tr>
</tbody>
</table>

(4) Kohler® warranty is three years.
(5) Continuous AC generator power.

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 otherwise arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically excluded.

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.