Performance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform Height</td>
<td>185 ft 7 in.</td>
<td>56.56 m</td>
</tr>
<tr>
<td>Horizontal Outreach</td>
<td>80 ft</td>
<td>24.38 m</td>
</tr>
<tr>
<td>Below Ground Reach</td>
<td>4 ft 10 in.</td>
<td>1.47 m</td>
</tr>
<tr>
<td>Platform Capacity-Restricted</td>
<td>1,000 lb</td>
<td>454 kg</td>
</tr>
<tr>
<td>Platform Capacity-Unrestricted</td>
<td>500 lb</td>
<td>227 kg</td>
</tr>
<tr>
<td>Platform Rotator</td>
<td>173° Hydraulic</td>
<td></td>
</tr>
<tr>
<td>Jib Length</td>
<td>13–20 ft</td>
<td></td>
</tr>
<tr>
<td>Jib Range of Articulation</td>
<td>120° (+75, -45)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>59.930 lb</td>
<td>27,184 kg</td>
</tr>
<tr>
<td>Max. Ground Bearing Pressure</td>
<td>119.6 psi</td>
<td>8.41 kg/cm²</td>
</tr>
<tr>
<td>Drive Speed</td>
<td>2.8 mph</td>
<td>4.5 km/h</td>
</tr>
<tr>
<td>Gradeability</td>
<td>40%</td>
<td></td>
</tr>
<tr>
<td>Turning Radius (Inside)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Axles Retracted</td>
<td>23 ft 4 in.</td>
<td>7.12 m</td>
</tr>
<tr>
<td>Axles Extended</td>
<td>7 ft 7 in.</td>
<td>2.3 m</td>
</tr>
<tr>
<td>Turning Radius (Outside)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Axles Retracted</td>
<td>31 ft 3 in.</td>
<td>9.52 m</td>
</tr>
<tr>
<td>Axles Extended</td>
<td>21 ft 8 in.</td>
<td>6.6 m</td>
</tr>
</tbody>
</table>

1. Certain options or country standards increase weight.

Standard Specifications

Power Source

- Diesel Engine
  - Deutz TD 3.6L
  - 99.8 hp
  - 74.4 kW
- Fuel Tank Capacity
  - 52.8 gal
  - 200 L

Hydraulic System

- Hydraulic Tank Capacity
  - 75.1 gal
  - 284.2 L

Tires

- Standard
  - 445/50D710 24 ply Foam-Filled

Standard Features

- Platform 36 x 96 in. (91 x 2.44 m) Side Entry
- Selectable Capacity Envelope
- Drive-Out Extendable Axles
- 173° Hydraulic Platform Rotator
- AC Receptacle in Platform
- Tilt Light and Alarm
- Swing-Out Engine Tray
- 12V-DC Auxiliary Power
- Hourmeter
- Control ADE® System
- Full-Time 4WD
- 3 Selectable Steering Modes

- Proportional Controls
- Gull-Wing Steel Hoods
- 445/50D710 Foam-Filled Rim Protector Lug Tread Tires
- Platform Console Machine Status Light Panel®
- Lifting/Tie Down Lugs
- Engine Distress Warning/Shutdown—Selectable via JLG Analyzer
- All Motion Alarm
- Glow Plugs
- LCD Panel at Operator’s Platform Control Console
- *Provides indicator lights at platform control console for system distress, fuel level, low fuel, 5 degree tilt light, foot switch status and SkyPower® Package 2.

Accessories & Options

- 36 x 72 in. (91 x 1.83 m) Platform
- Inward Self-Closing Swing Gate
- Fall Arrest Platform 36 x 96 in. (91 x 2.44 m) Rear Entry
- Mesh to Top Rail-Bolt-on Aluminum 6 ft
- Mesh to Top Rail-Bolt-on Aluminum 8 ft
- Light Package®
- Soft Touch System
- Cold Weather Start Kit®
- Hostile Environment Kit®
- Flashing Amber Beacon
- Cold Package Plus®
- Tool Tray
- Special Hydraulic Oils
- Accessory Packages:
  - SkyWelder® Package 2
  - NiteBright® Package 2
  - SkyGlazer®
  - SkyCutter®
  - Pipe Rack

1. Includes platform mounted worklights and drive/backup lights.
2. Includes battery heater and oil tank heater.
3. Includes cover, boom wipers and cylinder bellows.
4. Includes extreme cold engine oil, fuel conditioner, engine block heater, battery blanket, glow plugs, hydraulic tank heater, and oversized footswitch. Arctic hydraulic oil priced separately.
5. Not available in all markets.
1850SJ
ULTRA SERIES BOOM LIFT

Dimensions

All dimensions are approximate.

Reach Diagram

The JLG “1 & 5” Warranty

JLG Industries, Inc. backs its products with its exclusive “1 & 5” Warranty. We provide coverage on all products for one (1) full year, and cover all specified major structural components for five (5) years. Due to continuous product improvements, we reserve the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds applicable OSHA Regulations in 29 CFR 1910.67, 29 CFR 1926.653, ANSI A92.5-2006, and CSA Standard CAN3-B354.2-M82, as originally manufactured for intended applications.