

1850SJ

ULTRA SERIES BOOM LIFT

JLG
reachingout®

Performance

Platform Height	185 ft 7 in.	56.56 m
Horizontal Outreach	80 ft	24.38 m
Below Ground Reach	4 ft 10 in.	1.47 m
Swing	360° Continuous	
Platform Capacity-Restricted	1,000 lb	454 kg
Platform Capacity-Unrestricted	500 lb	227 kg
Platform Rotator	173° Hydraulic	
Jib Length		
Retracted	13 ft	3.96 m
Extended	20 ft	6.1 m
Jib Range of Articulation	120° (+75, -45)	
Weight ¹	59,900 lb	27,170 kg
Max. Ground Bearing Pressure	119.6 psi	8.41 kg/cm ²
Drive Speed	2.8 mph	4.5 km/h
Gradeability	40%	
Turning Radius (Inside)		
Axles Retracted	23 ft 4 in.	7.12 m
Axles Extended	7 ft 7 in.	2.3 m
Turning Radius (Outside)		
Axles Retracted	31 ft 3 in.	9.52 m
Axles Extended	21 ft 8 in.	6.6 m

1. Certain options or country standards increase weight.

Standard Specifications

Power Source

Diesel Engine		
Deutz TCD 3.6L Tier IV Final	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
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Tires

• Standard	445/50D710 Foam-filled
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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 and foot switch status.



- **Heightened Productivity**—The 1850SJ is much faster to full height, so operators can spend more time working and less time positioning the boom. The axles take approximately one minute to extend or retract. They're able to pivot in and out and do not telescope like extendable axles on other Ultra Series boom lifts.
- **Greater Work Envelope**—Telescoping jib and five section boom provides over 2.9 million cubic feet of work area and greater ability to reach up and over. An LCD screen shows operators where they are in the work envelope along with other useful information.
- **More Capacity**—Featuring dual 1,000 lb/500 lb, the 1850SJ is the most powerful boom in the industry. Plus, the operator can move just the jib, rather than the whole boom, for greater maneuverability and more precise positioning.
- **Ease of Transport**—No oversized load permit needed (over weight permit is required for highway transportation).

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 Entry⁵
- Mesh to Top Rail-Bolt-on Aluminum 6 ft⁵
- Mesh to Top Rail-Bolt-on Aluminum 8 ft⁵
- Light Package¹
- Soft Touch System
- Cold Weather Start Kit²
- Hostile Environment Kit³
- Flashing Amber Beacon
- Cold Package Plus⁴
- Tool Tray
- Special Hydraulic Oils
- Accessory Packages:
 - SkyWelder® Package
 - Nite Bright® Package
 - SkyPower® Package
 - SkyGlazier®
 - SkyCutter®
 - Pipe Rack

1. Includes platform mounted worklights and drive/backup lights.

2. Includes battery heater and oil tank heater.

3. Includes console 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.

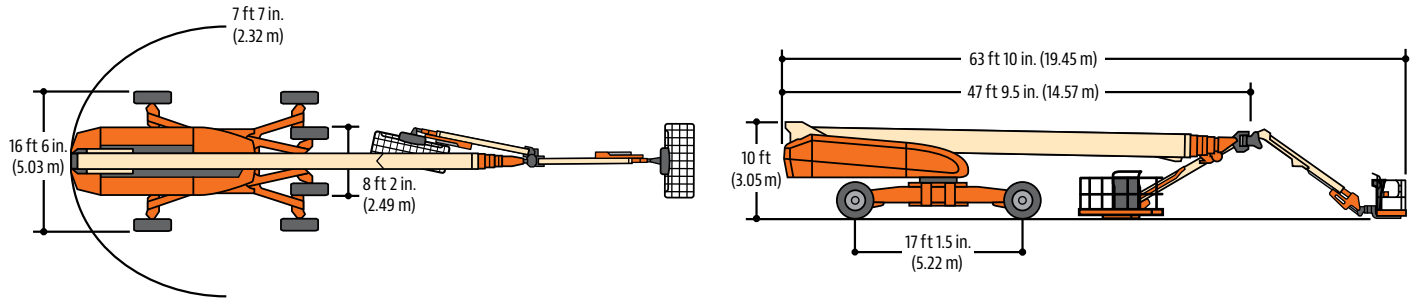
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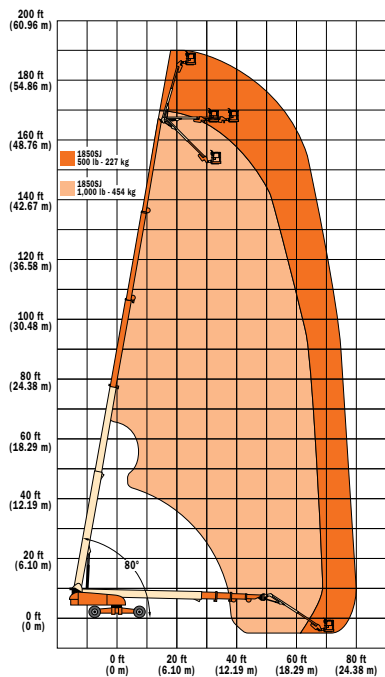
Dimensions

All dimensions are approximate.



Reach Diagram

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The JLG "1 & 5" Warranty

We provide coverage 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 ANSI and CSA requirements based on machine configuration as originally manufactured for intended applications. Please reference the serial number plate on the machine for additional information.

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