

1850SJ

Ultra Series Telescopic Boom Lifts

Reach Specifications

| | | |
|--------------------------------|--------------------------------|--------------------|
| Platform Height | 185 ft 7 in. (56.56 m) | |
| Horizontal Reach | 80 ft (24.38 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 | 13 ft (3.96 m) |
| | Horizontal Motion ¹ | For Transport Only |
| | Vertical Motion | 120° (+75/-45) |

Dimensional Data

| | |
|---------------------|-------------------------------------|
| A. Platform Size | 36 x 96 in. (.91 x 2.44 m) |
| B. Overall Width | Axles Retracted 8 ft 2 in. (2.49 m) |
| | Axles Extended 16 ft 6 in. (5.03 m) |
| C. Tailswing | 7 ft 7 in. (2.32 m) |
| D. Stowed Height | 10 ft (3.05 m) |
| E. Overall Length | Jib Stowed 47 ft 9.5 in. (14.57 m) |
| | Jib Deployed 63 ft 10 in. (19.45 m) |
| F. Wheel Base | 17 ft 7 in. (5.36 m) |
| G. Ground Clearance | Axle 13.5 in. (34 cm) |
| | Chassis 16.25 in. (41 cm) |
| Weight ¹ | 60,300 lb (27,352 kg) |

Chassis

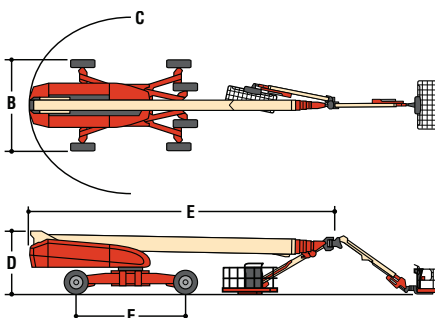
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|-------------------------------|--------------------------------------|
| Max Ground Bearing Pressure* | 119.6 psi (8.41 kg/cm ²) |
| Drive Speed | 2.8 mph (4.5 km/h) |
| Gradeability | 40% |
| Turning Radius (Inside) | Axles Retracted 23 ft 4 in. (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) |
| Crab Steer Ratio ³ | 1:1 |
| Tires/Type | 445/50D710 Foam Filled |

Power Source

| | | |
|---------------------|--------------|--------------------|
| Diesel Engine | Deutz TD3.6L | 99.8 hp (74.4 kW) |
| Fuel Tank Capacity | | 52.8 gal (200 L) |
| Hydraulic Reservoir | | 75.1 gal (284.2 L) |
| Auxiliary Power | | 12V DC |
| Generator | | 7,500 Watt |

*Ground bearing pressure applies to standard tires.

- Capacity is limited to 500 lb (227 kg) when jib is extended.
- Certain options or country standards increase weight.
- Ratio of forward travel to lateral travel.



Standard Features

- Platform 36 x 96 in. (.91 x 2.44 m) Side Entry
- Selectable Capacity Envelope
- Drive-Out Extendable Axles
- 180° 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.

Available 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 Package¹
 - Soft Touch System
 - Cold Weather Start Kit²
 - Hostile Environment Kit³
 - Flashing Amber Beacon
 - Cold Package Plus⁴
 - 52.8 gal. (200 L) Fuel Tank⁵
 - Tool Tray
 - Special Hydraulic Oils
- Includes platform mounted worklights and drive/backup lights.
 - Includes battery heater and oil tank heater.
 - Includes console cover, boom wipers and cylinder bellows.
 - 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.

Accessory Packages

- SkyWelder®
- SkyCutter®
- SkyGlazier®
- Nite Bright®
- Pipe Racks

