

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)
Overall Width	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)
Overall Length	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	59,930 lb (27,184 kg)	

Chassis

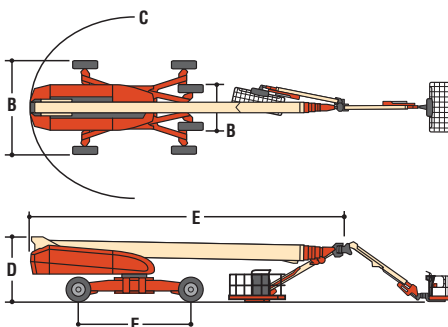
Max Ground Bearing Pressure*	119.6 psi (8.41 kg/cm ²)	
Drive Speed	2.8 mph (4.5 km/h)	
Gradeability	40%	
Turning Radius (Inside)	Axles Retracted	23 ft 4 in. (7.12 m)
	Axles Extended	7 ft 7 in. (2.3 m)
Turning Radius (Outside)	Axles Retracted	31 ft 3 in. (9.52 m)
	Axles Extended	21 ft 8 in. (6.6 m)
Crab 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
- 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 AC generator.

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 Entry⁵
- Mesh to Top Rail-Bolt-on Aluminum 6 ft³
- Mesh to Top Rail-Bolt-on Aluminum 8 ft³
- Light Package¹
- Soft Touch System
- Cold Weather Start Kit²
- Hostile Environment Kit³
- Flashing Amber Beacon
- Cold Package Plus⁴
- Tool Tray
- Special Hydraulic Oils
- 1. Includes platform mounted worklights and drive/back-up 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.

Accessory Packages

- SkyWelder® Package
- Nite Bright® Package
- SkyCutter®
- SkyGlazier®
- Pipe Rack

