

## 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 <sup>1</sup>	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 <sup>1</sup>		59,930 lb (27,184 kg)

### Chassis

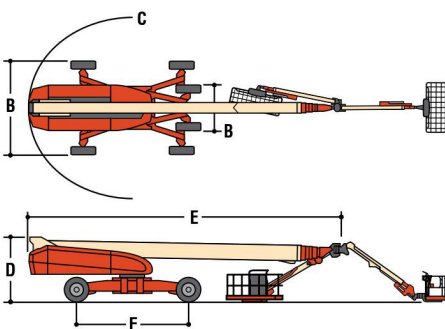
Max Ground Bearing Pressure*		119.6 psi (8.41 kg/cm²)
Drive Speed		2.8 mph (4.5 km/h)
Gradeability		40%
Turning Radius (Inside)	Axles Retracted	23 ft 4 in. (7.12 m)
	Axles Extended	7 ft 7 in. (2.3 m)
Turning Radius (Outside)	Axles Retracted	31 ft 3 in. (9.52 m)
	Axles Extended	21 ft 8 in. (6.6 m)
Crab Steer Ratio³		1:1
Tires/Type		445/50D710 Foam Filled

### Power Source

Diesel Engine	Deutz TD3.6L Tier 4 Final	99.8 hp (74.4 kW)
Fuel Tank Capacity		52.8 gal (200 L)
Hydraulic Reservoir		751 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  
SkyGuard SkyLine™

### 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<sup>5</sup>  
Mesh to Top Rail-Bolt-on Aluminum 6 ft<sup>5</sup>  
Mesh to Top Rail-Bolt-on Aluminum 8 ft<sup>5</sup>  
Light Package<sup>1</sup>  
Soft Touch System  
Cold Weather Start Kit<sup>2</sup>  
Hostile Environment Kit<sup>3</sup>  
Flashing Amber Beacon  
Cold Package Plus<sup>4</sup>  
Tool Tray  
Special Hydraulic Oils  
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.

### Accessory Packages

SkyPower® Package  
7500 Watt Generator  
· 240/120V Single Phase  
· 240V 3 Phase  
1/2 in. Air Line to Platform  
SkyWelder® Package  
SkyCutter®  
SkyGlazier®  
Pipe Rack

\* Provides indicator lights at platform control console for system distress, fuel level, low fuel, 5 degree tilt light and foot switch status.

