JLG[®] ULTRA SERIES BOOM LIFTS



JLG® ULTRA BOOMS

Steel mills and chemical plants, airports, convention centers, shipyards and heavy construction. The JLG[®]Ultra Series boom lifts are designed for rugged job sites that demand you work higher and reach farther. With four decades of experience, JLG knows the territory. You need the power, reliability and versatility to do the impossible every day. And come back and do it again tomorrow.

JLG Ultra Series boom lifts get you there. They're built from 100,000 psi steel—40% stronger than the competition, and they'll lift 1,000 pounds, making them the most powerful booms in the industry.

When you're working ten stories high, you want a machine that gives you confidence to do your best work; that's built to perform and that's designed to meet any challenge—that's the JLG Ultra Series.

"No other machine allows us to reach as high or as far."







Ultra Series ARTICULATING BOOM LIFTS



MAXIMUM HEIGHT, REACH AND POWER

When your job demands both height and reach, enlist the Ultra Series Articulating models. The new 1500AJP provides 60 ft of up and over height and 75 ft of outreach while the 1250AJP has 63 ft of outreach, making these models ideal for applications that require high-reach versatility. The exclusive QuikStik® boom design provides faster cycle speeds from ground to full elevation—115 seconds for 1250AJP and 180 seconds for the 1500AJP. And the 1250AJP comes with the only oscillating axle in their boom class, giving you surprising mobility in an ultra-sized package.

"The larger platform gives us more room for tools and extra workers."



Unmatched Range of Motion

A huge work envelope—up to 2.6 million cubic foot work envelope means you can access otherwise inaccessible areas.



Extendable Axles

Cylinder-deployed axles allow these boom lifts to grow from their transport width of 8' 2" to as wide as 16' 6" for unmatched rigidity and stability.

Ultra Series ARTICULATING BOOM LIFTS





JibPLUS[®]

JibPLUS provides select Ultra Series models with up to 180 degrees of horizontal maneuverability for added versatility and improved productivity.



Four-Wheel Steering

All of our Ultra Series boom lifts offer 3 steering modes to meet the needs of diverse and ever-changing job sites.





Strong 100,000 PSI Steel

The high-quality steel of the boom ensures greater durability and stability.



Larger Work Envelope

With more outreach above 50 ft, you have added access and flexibility.

TAKING PRODUCTIVITY TO GREATER HEIGHTS

Dominate the job site with the JLG[®] Ultra Series. When you're facing tall challenges, you want a solid machine that goes above and beyond the day's demands. The rugged boom gives you the confidence and support you need to handle 1,000 lb capacity. The exclusive controlled arc regulates speeds at the edges of the work envelope so that you feel the same velocity in all positions for enhanced comfort.

"The high capacity platforms raise our productivity, and level of work."





Oscillating Axle

Standard on all Telescopic Ultra Booms, oscillating axle and fulltime four-wheel drive provide superior traction.



SkyPower®

A 7,500-watt on-board generator gives you the extra boost you need.

EXTEND YOUR REACH WITH THE 1500SJ

The Model 1500SJ is one of the largest self-propelled telescopic booms available from JLG — the first straight boom lift that takes you to 150 ft without an oversized load permit (over weight permit is required for highway transportation). The 1500SJ features a telescoping jib for greater work envelope flexibility and additional outreach at elevation.

"At 150 ft, I want to focus on my work with confidence. The Ultra Series lets me do just that."





More Capacity With a dual 1,000/500 lb capacity, the platform can handle more workers, tools or materials.



Greater Reach The JibPLUS[®] boom adds an extra 30 ft of outreach.*

*Capacity restricted to 500 lb (227 kg) when the jib is in side-swing mode. JibPLUS for transport only for 1500SJ.





More Maneuverability Full-time four-wheel drive gets you over rough terrain.



Ease of Transport No oversized load permit needed.

GO WHERE NO BOOM HAS GONE BEFORE WITH CONFIDENCE AT 185 FT

Introducing the highest reaching telescopic, self-propelled boom lift to ever hit the market. The 1850SJ features 19 stories of working height and a brand new chassis. 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 2.9 million cubic feet of work area and greater ability to reach up and over. Plus, the operator can move just the jib, rather than the whole machine, for greater maneuverability and more precise positioning.

"I've never felt more confident working from a machine of this caliber."





New Chassis

Each axle is equipped with a linear sensor that works with the rotary sensor to keep steer wheels in the proper position.



No Permits Needed

Easy to transport because no oversized load permit is needed (over weight permit is required for highway transportation).





LCD Screen

An LCD screen shows operators where they are in the work envelope along with other useful information.



Travel and Gradeability

Travel is permitted with platform at full elevation and features 40% gradeability.

WORKSTATION IN THE SKY[®] ACCESSORIES

Turn your engine powered aerial work platform into an integrated work tool with Workstation in the Sky[®] accessories. These packages are designed to increase your productivity, conserve platform space and improve working conditions.



SKYPOWER° **PACKAGE**

Machines with the SkyPower[®] system are equipped with a self-contained 7500W continuous output generator with a power cable, and an air/water line installed in the power track. In addition, it provides selfcontained 110V-AC, 220V-AC and 3-phase power to run other accessories and hand tools.



SKYGUARD®

Boom lift operators experience enhanced control panel protection with SkyGuard. When activated by approximately 50 lb (23kg) of force, SkyGuard stops all functions in use at the time.



NITE BRIGHT[®] PACKAGE

This package consists of 40-watt lights to illuminate your work site and the area around the chassis for increased visibility. It is perfect for tunnel or mine applications, nighttime work or any job with low lighting levels.



SKYGLAZIER[®] PACKAGE

The first and only factory-approved glass and panel tray. Panels are protected from damage and productivity is improved while operator fatigue is reduced. And with JLG[°] 1,000 lb capacity, the basket can hold multiple workers and larger glass panels.



SKYCUTTER® PACKAGE

Eliminating the danger of tanks and draping hoses, SkyCutter[®] cuts faster and cleaner with an on-board Miller[®] Spectrum 375 Cutmate plasma cutter.



SKYAIR[®] PACKAGE

With an integrated on-board air compressor, the SkyAir® package delivers 9.3 CFM at pressures up to 125 psi. It increases productivity by eliminating the need for a ground-based compressor.



SKYWELDER® PACKAGE

With a 280 amp Miller[®] CST 280 welder tucked into the SkyPower platform, space is conserved while providing stick and TIG capability. The SkyWelder[®] package eliminates potentially dangerous leads hanging over the rails and the unnecessary cost of a stand-alone welder and power supply.



PIPE RACK ACCESSORY

Manufacturer-approved pipe racks provide positive retention of materials while storage outside the platform helps prevent rail damage and optimizes space.



PUTTING YOUR WORK ABOVE EVERYTHING

When it comes to JLG[®] Support, it's all about you. Your productivity. Your profitability. Your uptime. From the purchase of your first piece of equipment straight through to the training, parts and maintenance that follows.

Customer Service Call Center

You can be assured we'll be giving an all-out effort to support you. Just think of us as your personal on-call, full-service support team. We make it happen. Period.

Financial Solutions

Maximizing your profits. Preserving your cash flow. Let our financing specialists help choose the program designed specifically for your needs.

Aftermarket Parts

Keep your equipment running at peak performance with genuine replacement parts, accessories, attachments, rebuilt and competitive parts all from one source — JLG.

Training

Knowing your equipment inside and out results in higher productivity on the job. Our instructor-led courses give you the hands-on time you need to successfully operate equipment.

Service Centers

Your needs. Your uptime. JLG is on the job to fulfill your every need, from repair, reconditioning, same-day parts and much more. We're here to support you.

Pre-Owned Equipment

As a high-value alternative to purchasing new equipment, you can search our used equipment inventory of pre-owned JLG and competitor products.

JLG®

		1250AJP
Ultra Series Articulatir	ng Boom Lifts	
Reach Specifications		
Platform Height		125 ft (38.1 m)
Horizontal Reach		63 ft 2 in. (19.25 m)
Up and Over Height		60 ft 6 in. (18.44 m)
Swing		360° Continuous
Platform Capacity — Restricted		1,000 lb (454 kg)
Platform Capacity — Unrestricted	1	500 lb (227 kg)
Platform Rotator		180°
JibPLUS®	Length	8 ft (2.44 m)
	Horizontal Motion ¹	125°
	Vertical Motion	130° (+75/-55)
Dimensional Data		
A. Platform Size		36 x 96 in. (0.91 x 2.44 m)
B. Overall Width	Axles Retracted	8 ft 2 in. (2.49 m)
Overall Width	Axles Extended	12 ft 6 in. (3.81 m)
C. Tailswing		3 ft (91 cm)
D. Stowed Height		10 ft (3.05 m)
E. Overall Length	Jib Stowed	37 ft 7 in. (11.45 m)
Overall Length	Jib Deployed	47 ft 6 in. (14.48 m)
F. Wheel Base		12 ft 6 in. (3.81 m)
G. Ground Clearance	Axle	12 in. (30 cm)
	Chassis	25.5 in. (65 cm)
Weight ²		44,000 lb (19,958 kg)
Chassis		
Max Ground Bearing Pressure*		100 psi (7.03 kg/cm²)
Drive Speed		3.25 mph (5.2 km/h)
Gradeability		45%
Turning Radius (Inside)	Axles Retracted	14 ft 5 in. (4.39 m)
	Axles Extended	8 ft (2.44 m)
Turning Radius (Outside)	Axles Retracted	22 ft 6 in. (6.86 m)
	Axles Extended	19 ft 4 in. (5.89 m)
Crab Steer Ratio ³		1:1
Axle Oscillation		8 in. (20 cm)
Tires/Type		445/50D710 Foam Filled
Power Source		
rowel Jource		

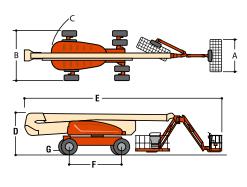
Diesel Engine	Deutz ICD2.9L4 Tier 4 Final	74.2 hp (55.4 kW)
Fuel Tank Capacity		31 gal (117 L)
Hydraulic Reservoir		53 gal (200 L)
Auxiliary Power		12V DC
Generator Nominal/Continuous		7,500 Watt

*Ground bearing pressure applies to standard tires.

1. Capacity is limited to 500 lb (227 kg) when JibPLUS is extended horizontally.

2. Certain options or country standards increase weight.

3. Ratio of forward travel to lateral travel.



Standard Features

Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry 8 ft (2.44 m) JibPLUS° Boom Selectable Capacity Envelope 180° Hydraulic Platform Rotator AC Receptacle in the Platform 5 Degree Tilt Alarm/Indicator Light All Motion Alarm Swing-Out Engine Tray 12V DC Auxiliary Power Hourmeter Control ADE[®] System Full-time 4WD 3 Selectable Steering Modes Drive-out Extendible Axles Oscillating Axle **Proportional Controls Gull-Wing 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

SkyGuard®

Available Options

Platform: 36 x 72 in. (0.91 x 1.83 m) Side Entry Fall-Arrest Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry Self-Closing Gate Light Package' Flashing Beacon Soft-Touch System Platform 6 ft/8 ft (1.83 m/2.44 m)

Clearsky (US and Canada only)

Cold Weather Start²

Hostile Environment Kit³

Mesh to Top Rail Operator Tool Tray

- Includes platform mounted work lights and drive/backup lights.
- Includes glow plugs, battery heater and oil tank heater.

3. Includes console cover, boom wipers and cylinder bellows.

Accessory Packages

SkyPower[®] Package 7500 Watt Generator · 240/120V Single Phase · 240V 3 Phase 1/2 in. Air Line to Platform SkyWelder[®]

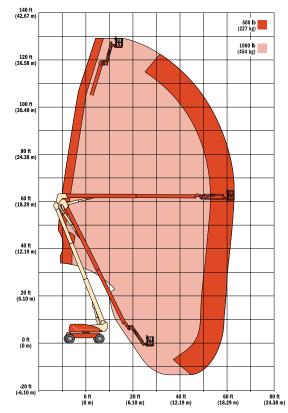
Sky Weide

SkyCutter[®] SkyGlazier[®]

Nite Bright[®]

Pipe Racks

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



Ultra Series Articulating Boom Lifts Reach Specifications

Platform Height		150 ft (45.72 m)
Horizontal Reach		75 ft (22.86 m)
Up and Over Height		60 ft (18.29 m)
Swing		360° Continuous
Platform Capacity — Restricted		1,000 lb (454 kg)
Platform Capacity — Unrestricted		600 lb 272 kg)
Platform Rotator		180°
JibPLUS®	Length	8 ft (2.44 m)
	Horizontal Motion ¹	125°
	Vertical Motion	130° (+75/-55)

1500AJP

Dimensional Data

A. Platform Size		36 x 96 in. (0.91 x 2.44 m)
B. Overall Width	Axles Retracted	8 ft 1.5 in. (2.5 m)
Overall Width	Axles Extended	16 ft 6 in. (5 m)
C. Tailswing		0
D. Stowed Height		10 ft 2 in. (3.1 m)
E. Overall Length	Jib Stowed	39 ft 8 in. (12.09 m)
Overall Length	Jib Deployed	49 ft 8 in. (15.1 m)
F. Wheel Base	Extended	15 ft (4.6 m)
	Retracted	17 ft 1.50 in. (5.22 m)
G. Ground Clearance	Axle	9 in. (23 cm)
	Chassis	15.75 in. (40 cm)
Weight ²		57,400 lb (26,039 kg)

Chassis

Chussis		
Max Ground Bearing Pressure	k	120 psi (83.7 kg/cm ²)
Drive Speed		2.8 mph (4.5 km/h)
Gradeability		40%
Turning Radius (Inside)	Axles Retracted	23 ft 4 in. (7.11 m)
	Axles Extended	7 ft 6 in. (2.28 m)
Turning Radius (Outside)	Axles Retracted	3 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

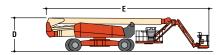
Diesel Engine	Deutz TCD 3.6L	99.8 hp (74.45 kW)
Fuel Tank Capacity		45 gal (170 L)
Hydraulic Reservoir		93 gal (352 L)
Auxiliary Power		12V DC
Generator Nominal/Continuous		7,500 Watt

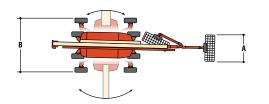
*Ground bearing pressure applies to standard tires.

1. Capacity is limited to 500 lb (227 kg) when JibPLUS is extended horizontally.

2. Certain options or country standards increase weight.

3. Ratio of forward travel to lateral travel.



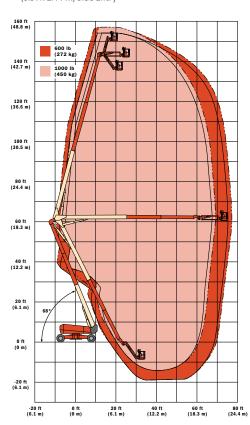


Standard Features

Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry 8 ft (2.44 m) JibPLUS® Boom Selectable Capacity Envelope 180° Hydraulic Platform Rotator AC Receptacle in the Platform 5 Degree Tilt Alarm/Indicator Light All Motion Alarm Swing-Out Engine Tray 12V DC Auxiliary Power Hourmeter Control ADE[®] System Full-time 4WD 3 Selectable Steering Modes Drive-out Extendible Axles **Proportional Controls Gull-Wing 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 SkyGuard[®] Control Console

Available Options

Platform: 36 x 72 in. (0.91 x 1.83 m) Side Entry Fall-Arrest Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry



- Self-Closing Gate Light Package¹
- Flashing Beacon
- Soft-Touch System Platform
- 6 ft/8 ft (1.83 m/2.44 m)
- Clearsky (US and Canada only)
- Cold Weather Start²

Hostile Environment Kit³

Mesh to Top Rail

Operator Tool Tray

- 1. Includes platform mounted work lights and drive/backup lights.
- Includes glow plugs, battery heater and oil tank heater.
- 3. Includes console cover, boom wipers and cylinder bellows.

Accessory Packages

SkyPower[®] Package 7500 Watt Generator · 240/120V Single Phase · 240V 3 Phase 1/2 in. Air Line to Platform SkyWelder[®] SkyCutter[®] SkyGlazier[®] Nite Bright[®] Pipe Racks * Provides indicator lights at platform

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

Ultra Series S P E C I F I C A T I O N S

		1200SJP
Ultra Series Telesco	ppic Boom Lifts	
Reach Specifications		
Platform Height		120 ft (36.58 m)
Horizontal Reach		75 ft (22.86 m)
Up and Over Height		_
Swing		360° Continuous
Platform Capacity — Restric	ted	1,000 lb (454 kg)
Platform Capacity — Unrest	ricted	500 lb (227 kg)
Platform Rotator		180°
JibPLUS®	Length	8 ft (2.44 m)
	Horizontal Motion ¹	180°
	Vertical Motion	130° (+75/-55)
Dimonsional Data		
Dimensional Data A. Platform Size		36 x 96 in. (0.91 x 2.44 m)
B. Overall Width	Axles Retracted	8 ft 2 in. (2.49 m)
Overall Width	Axles Extended	12 ft 6 in. (3.81 m)
C. Tailswing	Axies Extended	5 ft 6 in. (1.67 m)
D. Stowed Height		10 ft (3.05 m)
E. Overall Length	Jib Stowed	34 ft 11 in. (10.64 m)
Overall Length	Jib Deployed	44 ft 10.25 in. (13.67 m)
F. Wheel Base	JID DEPIOYED	12 ft 6 in. (3.81 m)
G. Ground Clearance	Axle	12 in. (30 cm)
Chassis	25.5 in. (65 cm)	12 III. (50 CIII)
Weight ²	25.5 111. (05 (111)	40,900 lb (18,552 kg)
weight		40,500 ID (10,552 Kg)
Chassis		
Max Ground Bearing Pressu	re*	99 psi (7.0 kg/cm²)
Drive Speed		3.25 mph (5.2 km/h)
Gradeability		45%
Turning Radius (Inside)	Axles Retracted	14 ft 5 in. (4.39 m)
	Axles Extended	8 ft (2.44 m)
Turning Radius (Outside)	Axles Retracted	22 ft 6 in. (6.86 m)
	Axles Extended	19 ft 4 in. (5.89 m)
Crab Steer Ratio ³		1:1
Axle Oscillation		12 in. (30 cm)
Tires/Type		445/50D710 Foam Filled
Power Source		
Diesel Engine	Deutz TCD2.9L4 Tier 4 Final	74.2 hp (55.4 kW)
Fuel Tank Capacity		31 gal (117 L)

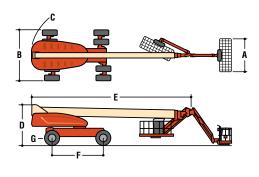
Dieser Englite	Death reprise reprise	7 h.2 hp (55. h kw)
Fuel Tank Capacity		31 gal (117 L)
Hydraulic Reservoir		55 gal (208 L)
Auxiliary Power		12V DC
Generator		7500 Watt

*Ground bearing pressure applies to standard tires.

1. Capacity is limited to 500 lb (227 kg) when JibPLUS is extended horizontally.

2. Certain options or country standards increase weight.

3. Ratio of forward travel to lateral travel.



Standard Features

Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry 8 ft (2.44 m) JibPLUS® Boom Selectable Capacity Envelope 180° Hydraulic Platform Rotator AC Receptacle in the Platform 5 Degree Tilt Alarm/Indicator Light All Motion Alarm Swing-Out Engine Tray 12V DC Auxiliary Power Hourmeter Control ADE[®] System Full-time 4WD 3 Selectable Steering Modes Drive-out Extendible Axles Oscillating Axle **Proportional Controls Gull-Wing 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

SkyGuard[®]

Available Options

Platform: 36 x 72 in. (0.91 x 1.83 m) Side Entry

Fall-Arrest Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry Self-Closing Gate Light Package¹ Flashing Beacon Soft-Touch System Platform 6 ft/8 ft (1.83 m/2.44 m) Clearsky (US and Canada only) Cold Weather Start²

Hostile Environment Kit³

Mesh to Top Rail

- **Operator Tool Tray** 1. Includes platform mounted work lights and drive/backup lights.
- 2. Includes glow plugs, battery heater
- and oil tank heater. 3. Includes console cover, boom wipers
- and cylinder bellows.

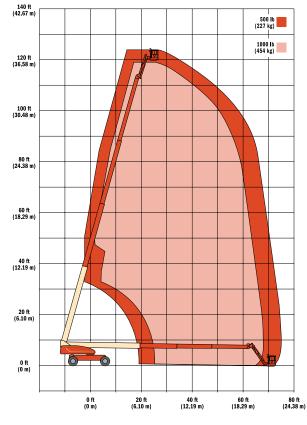
Accessory Packages

SkyPower[®] Package 7500 Watt Generator • 240/120V Single Phase · 240V 3 Phase 1/2 in. Air Line to Platform SkvWelder[®] SkyCutter® SkyAir® (1200/1350SJP only)

- SkyGlazier®
- Nite Bright[®]

Pipe Racks

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



1350SJP

Ultra Series Telescopic Boom Lifts Reach Specifications

Platform Height		135 ft (41.15 m)
Horizontal Reach		80 ft (24.38 m)
Up and Over Height		_
Swing		360° Continuous
Platform Capacity — Restricted		1,000 lb (454 kg)
Platform Capacity — Unrestricted		500 lb (227 kg)
Platform Rotator		180°
JibPLUS®	Length	8 ft (2.44 m)
	Horizontal Motion ¹	180°
	Vertical Motion	130° (+75/-55)

Dimensional Data

A. Platform Size		36 x 96 in. (0.91 x 2.44 m)
B. Overall Width	Axles Retracted	8 ft 2 in. (2.49 m)
Overall Width	Axles Extended	12 ft 6 in. (3.81 m)
C. Tailswing		5 ft 6 in. (1.67 m)
D. Stowed Height		10 ft (3.05 m)
E. Overall Length	Jib Stowed	38 ft 11 in. (11.86 m)
Overall Length	Jib Deployed	48 ft 10.25 in. (14.89 m)
F. Wheel Base		12 ft 6 in. (3.81 m)
G. Ground Clearance	Axle	12 in. (30 cm)
	Chassis	25.5 in. (65 cm)
Weight ²		45,000 lb (20,411 kg)

Chassis

Max Ground Bearing Pressure	*	107 psi (7.52 kg/cm²)
Drive Speed		3.25 mph (5.2 km/h)
Gradeability		45%
Turning Radius (Inside)	Axles Retracted	14 ft 5 in. (4.39 m)
	Axles Extended	8 ft (2.44 m)
Turning Radius (Outside)	Axles Retracted	22 ft 6 in. (6.86 m)
	Axles Extended	19 ft 4 in. (5.89 m)
Crab Steer Ratio ³		1:1
Axle Oscillation		12 in. (30 cm)
Tires/Type		445/50D710 Foam Filled

Power Source

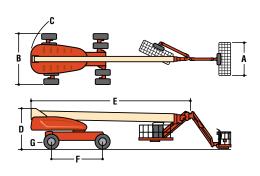
Diesel Engine	Deutz TD3.6L Tier IV Final	74.2 hp (55.4 kW)
Fuel Tank Capacity		31 gal (117 L)
Hydraulic Reservoir		55 gal (208 L)
Auxiliary Power		12V DC
Generator Nominal/Continuous		7,500 Watt

*Ground bearing pressure applies to standard tires.

1. Capacity is limited to 500 lb (227 kg) when JibPLUS is extended horizontally.

2. Certain options or country standards increase weight.

3. Ratio of forward travel to lateral travel.



Standard Features

Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry 8 ft (2.44 m) JibPLUS° Boom Selectable Capacity Envelope Inward Swinging Gate 180° Hydraulic Platform Rotator AC Receptacle in the Platform 5 Degree Tilt Alarm/Indicator Light All Motion Alarm Swing-Out Engine Tray 12V DC Auxiliary Power Hourmeter Control ADE[®] System Full-time 4WD 3 Selectable Steering Modes Drive-out Extendible Axles Oscillating Axle **Proportional Controls Gull-Wing Hoods** 445/50D710 Foam Filled Rim Protector Lug Tread Tires Platform Console Machine Status Light Panel* Lifting/Tie Down Lugs Engine Distress Warning/Shutdown—

Engine Distress Warning/Shutdown— Selectable via JLG Analyzer SkyGuard®

Available Options

Platform: 36 x 72 in. (0.91 x 1.83 m) Side Entry

Fall-Arrest Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry Self-Closing Gate Light Package¹ Flashing Beacon Soft-Touch System Platform 6 ft/8 ft (1.83 m/2.44 m) Clearsky (US and Canada only) Cold Weather Start² Hostile Environment Kit³ Mesh to Top Rail **Operator Tool Tray** 1. Includes platform mounted work lights and drive/backup lights. 2. Includes glow plugs, battery heater and oil tank heater. 3. Includes console cover, boom wipers and cylinder bellows. **Accessory Packages** SkyPower[®] Package 7500 Watt Generator · 240/120V Single Phase · 240V 3 Phase 1/2 in. Air Line to Platform SkyWelder[®]

, SkyCutter[®]

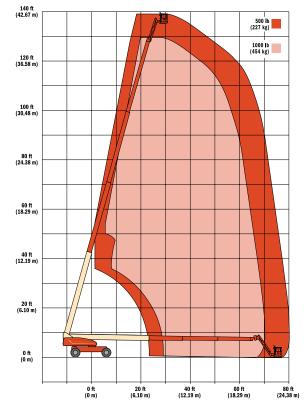
SkyAir[®] (1200/1350SJP only)

SkyGlazier®

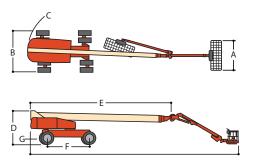
Nite Bright[®]

Pipe Racks

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



ic Boom Lifts	
	150 ft (45.7 m)
	80 ft (24.38 m)
	-
	360° Continuous 1,000 lb (454 kg)
Platform Capacity — Restricted Platform Capacity — Unrestricted	
ted	500 lb (227 kg)
	180°
2	15 ft 2 in. – 25 ft (4.62 m – 7.62 m)
	For Transport Only
Vertical Motion	120° (+75/–45)
	36 x 96 in. (0.91 x 2.44 m)
Axles Retracted	8 ft 2 in. (2.49 m)
Axles Extended	12 ft 6 in. (3.81 m)
	5 ft 6 in. (1.67 m)
	10 ft (3.05 m)
Jib Stowed	43 ft (11.45 m)
Jib Deployed	61 ft 9 in. (18.82 m)
	12 ft 6 in. (3.81 m)
Axle	12 in. (30 cm)
Chassis	25.5 in. (65 cm)
	48,000 lb (21,773 kg)
¢.	113 psi (7.94 kg/cm²)
	3.0 mph (4.8 km/h)
	40%
Axles Retracted	14 ft 5 in. (4.39 m)
Axles Extended	8 ft (2.44 m)
Axles Retracted	22 ft 6 in. (6.86 m)
Axles Extended	19 ft 4 in. (5.89 m)
	1:1
	12 in. (30 cm)
	445/50D710 Foam Filled
Deutz TCD2.9L4 Tier 4 Final	74.2 hp (55.4 kW)
	31 gal (117 L)
	55 gal (208 L)
	12V DC
	7,500 Watt
se to standard tiros	,
	 Length Horizontal Motion¹ Vertical Motion Vertical Motion Axles Retracted Axles Extended Jib Stowed Jib Deployed Axle Chassis * Axles Retracted Axles Extended Axles Extended Axles Retracted Axles Extended Axles Extended Axles Extended Axles Extended Axles Extended



Standard Features

Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry 8 ft (2.44 m) JibPLUS° Boom Selectable Capacity Envelope 180° Hydraulic Platform Rotator AC Receptacle in the Platform 5 Degree Tilt Alarm/Indicator Light All Motion Alarm Swing-Out Engine Tray 12V DC Auxiliary Power Hourmeter Control ADE[®] System Full-time 4WD 3 Selectable Steering Modes Drive-out Extendible Axles Oscillating Axle **Proportional Controls** Gull-Wing 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

SkyGuard[®]

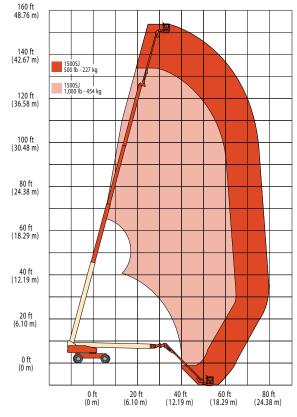
Available Options

Platform: 36 x 72 in. (0.91 x 1.83 m) Side Entry Self-Closing Gate Light Package¹ Flashing Beacon Soft-Touch System Platform 6 ft/8 ft (1.83 m/2.44 m) Clearsky (US and Canada only) Cold Weather Start² Hostile Environment Kit³ Mesh to Top Rail **Operator Tool Tray** 1. Includes platform mounted work lights and drive/backup lights. 2. Includes glow plugs, battery heater and oil tank heater. 3. Includes console cover, boom wipers and cylinder bellows. **Accessory Packages** SkyPower[®] Package 7500 Watt Generator · 240/120V Single Phase · 240V 3 Phase 1/2 in. Air Line to Platform SkyWelder[®]

Fall-Arrest Platform: 36 x 96 in. (0.91 x 2.44 m) Side Entry

SkyCutter[®] SkyAir[®] (1200/1350SJP only) SkyGlazier[®] Nite Bright[®] Pipe Racks

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



1850SJ

Ultra Series Telescopic Boom Lifts Reach Specifications

	105 ft 7 in (56 56 m)
	185 ft 7 in. (56.56 m)
	80 ft (24.38 m)
	360° Continuous
	1,000 lb (454 kg)
	500 lb (227 kg)
	173° Hydraulic
Length	13 ft (3.96 m)
Horizontal Motion ¹	For Transport Only
Vertical Motion	120° (+75/-45)
	Horizontal Motion ¹

Dimensional Data

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)

Weight

Chassis		
Max Ground Bearing Pressure	2*	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 Ratio ³		1:1
Tires/Type		445/50D710 Foam Filled

Power Source

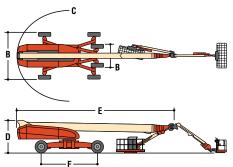
Diesel Engine	Deutz TD3.6L Tier 4 Final	99.8 hp (74.4 kW)
Fuel Tank Capacity		52.8 gal (200 L)
Hydraulic Reservoir		75.1 gal (284.2 L)
Auxiliary Power		12V DC
Generator		7.500 Watt

*Ground bearing pressure applies to standard tires.

1. Capacity is limited to 500 lb (227 kg) when Jib is extended.

2. Certain options or country standards increase weight.

3. 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

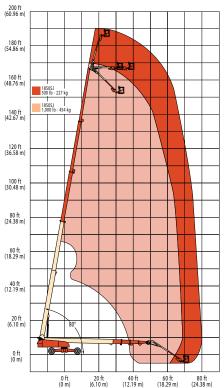
LCD Panel at Operator's Platform Control Console

SkyGuard[®]

Available Options

36 x 72 in. (.91 x 1.83 m) Platform Inward Self-Closing Swing Gate

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



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 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 Nite Bright[®] Package SkyCutter[®] SkyGlazier® Pipe Rack

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