

600 SERIES ARTICULATING BOOM LIFTS

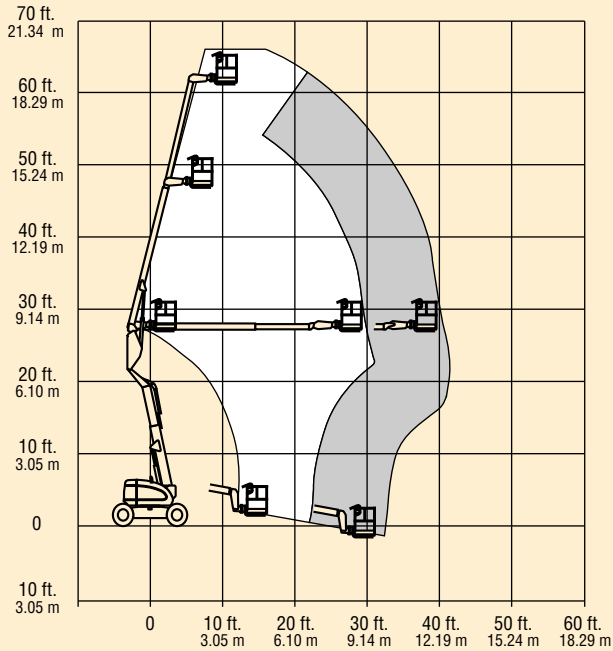


600A & 600AJ

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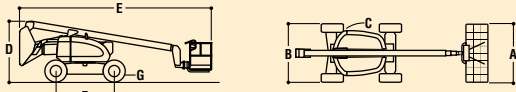


JLG 600A



REACH SPECIFICATIONS

Platform Height	60 ft. (18.29 m)
Horizontal Outreach	39 ft. 7 in. (12.07 m)
Up and Over Clearance	26 ft. 5 in. (8.1 m)
Swing	360 Degrees Continuous
Platform Capacity—Restricted	1000 lbs. (450 kg)
Platform Capacity—Unrestricted	500 lbs. (230 kg)
Platform Rotator	180 Degrees Hydraulic



DIMENSIONAL DATA

A. Platform Size	36 in. x 72 in. (0.91 m x 1.83 m)
B. Overall Width Model 600A	8 ft. (2.44 m)
Overall Width Model 600A narrow	7 ft. (2.13 m)
C. Tailswing (working condition) 600A	Zero
Tailswing (working condition) 600A narrow	5 in. (13 cm)
D. Stowed Height	8 ft. 5 in. (2.56 m)
E. Stowed Length	26 ft. 5 in. (8.05 m)
F. Wheelbase	8 ft. (2.44 m)
G. Ground Clearance	12 in. (30 cm)
Gross Vehicle Weight Model 600A	20,700 lbs. (9,390 kg)
Gross Vehicle Weight Model 600A narrow	23,900 lbs. (10,842 kg)
Max. Ground Bearing Pressure 600A	77 psi (5.5 kg/cm ²)
Max. Ground Bearing Pressure 600A narrow	94 psi (6.6 kg/cm ²)
Max. Tire Load 600A	11,500 lbs. (5,215 kg)
Max. Tire Load 600A narrow	11,600 lbs. (5,261 kg)

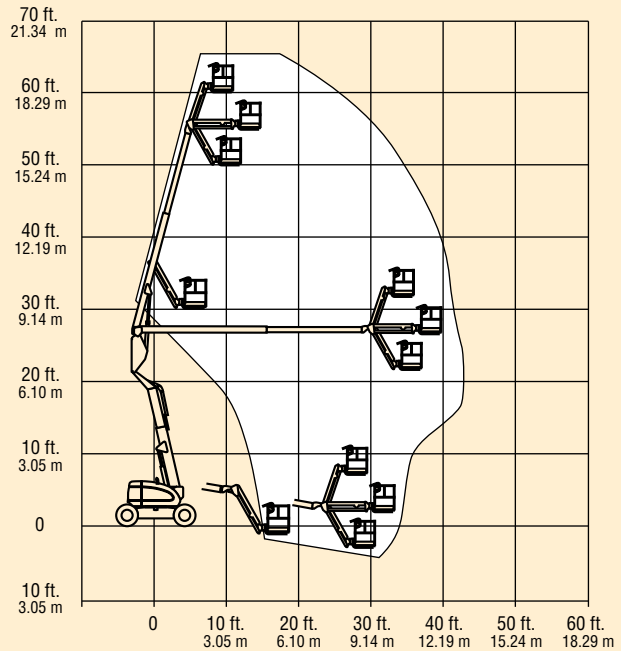
CHASSIS

Drive Speed 600A/600A narrow, 2WD	3.6 MPH (5.8 kph)
Drive Speed 600A 4WD	4.0 MPH (6.4 kph)
Gradeability 2WD 600A, 600A narrow	30%
Gradeability 4WD 600A	45%
Tires 600A	14 x 17.5 Lug Tread
Tires 600A narrow	14 x 17.5 Air Boss
Axle Oscillation (optional)	8 in. (20.4 cm)
Turning Radius, (Inside/Outside)	
600A 2WS	11 ft. 5 in. (3.48 m)/17 ft. 8 in. (5.38 m)
600A 4WS	5 ft. 6 in. (1.68 m)/11 ft. 8 in. (3.56 m)
600A narrow 2WS	12 ft. 2 in. (3.7 m)/16 ft. 6 in. (5.03 m)
600A narrow 4WS	5 ft. 7 in. (1.7 m)/11 ft. 2 in. (3.4 m)

POWER SOURCE

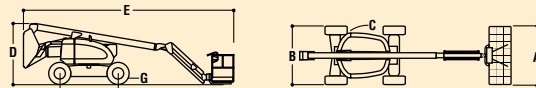
Dual Fuel Engine, Ford LRG-425	82 hp (61 kw)
Diesel Engine, Deutz F4M1011F	65 hp (48 kw)
Diesel Engine, Isuzu 4JB1	67 hp (51 kw)
Diesel Engine, Continental TMD27	67 hp (51 kw)
Fuel Tank Capacity	30 gal. (113.6 L)
Hydraulic Reservoir	30.6 gal. (115.8 L)
Auxiliary Power	12V DC

JLG 600AJ



REACH SPECIFICATIONS

Platform Height	60 ft. (18.29 m)
Horizontal Outreach	39 ft. 9 in. (12.12 m)
Up and Over Clearance	26 ft. 5 in. (8.1 m)
Swing	360 Degrees Continuous
Platform Capacity—Restricted	500 lbs. (230 kg)
Platform Capacity—Unrestricted	500 lbs. (230 kg)
Platform Rotator	180 Degrees Hydraulic
Platform Rotator	180 Degrees Hydraulic
Jib (Range of Articulation)	130 Degrees (+70, -60)



DIMENSIONAL DATA

A. Platform Size	36 in. x 72 in. (0.91 m x 1.83 m)
B. Overall Width Model 600AJ	8 ft. (2.44 m)
Overall Width Model 600AJ narrow	7 ft. (2.13 m)
C. Tailswing (working condition) 600AJ	Zero
Tailswing (working condition) 600AJ narrow	5 in. (13 cm)
D. Stowed Height	8 ft. 5 in. (2.57 m)
E. Stowed Length	28 ft. 11.5 in. (8.82 m)
F. Wheelbase	8 ft. (2.44 m)
G. Ground Clearance	12 in. (30 cm)
Gross Vehicle Weight Model 600AJ	22,100 lbs. (10,025 kg)
Gross Vehicle Weight Model 600AJ narrow	22,450 lbs. (10,183 kg)
Max. Ground Bearing Pressure 600AJ	68 psi (4.8 kg/cm ²)
Max. Ground Bearing Pressure 600AJ narrow	94 psi (6.6 kg/cm ²)
Max. Tire Load 600AJ	11,240 lbs. (5,098 kg)
Max. Tire Load 600AJ narrow	11,600 lbs. (5,261 kg)

CHASSIS

Drive Speed 600AJ/600AJ narrow, 2WD	3.6 MPH (5.8 kph)
Travel Speed 600AJ 4WD	4.0 MPH (6.4 kph)
Gradeability 2WD 600AJ, 600AJ narrow	30%
Gradeability 4WD	45%
Tires 600AJ	14 x 17.5 Lug Tread
Tires 600AJ narrow	14 x 17.5 Air Boss
Axle Oscillation (optional)	8 in. (20.4 cm)
Turning Radius, (Inside/Outside)	
600AJ 2WS	11 ft. 5 in. (3.48 m)/17 ft. 8 in. (5.38 m)
600AJ 4WS	5 ft. 6 in. (1.68 m)/11 ft. 8 in. (3.56 m)
600AJ narrow 2WS	12 ft. 2 in. (3.71 m)/16 ft. 6 in. (5.03 m)
600AJ narrow 4WS	5 ft. 7 in. (1.7 m)/11 ft. 2 in. (3.4 m)

POWER SOURCE

Dual Fuel Engine, Ford LRG-425	82 hp (61 kw)
Diesel Engine, Deutz F4M1011F	65 hp (48 kw)
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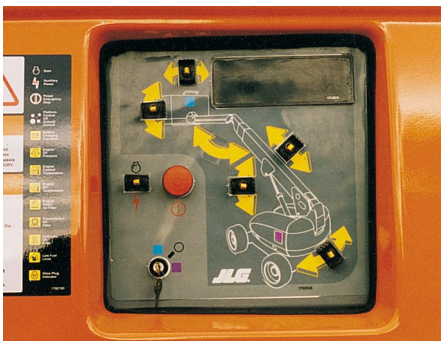
PERFORMANCE FEATURES

Controls Designed for Ease of Operation

Platform Control Console. Layout of controls and a 40% reduction in the number of switches and levers provides ease of operation and reduces the time required for operator training. One-hand drive and steer provides optimum travel control, while one-hand control of lift and swing provides for more efficient and more accurate positioning of the basket to the elevated work location. A variable speed dial enables smoother proportional control of boom telescope, platform rotate, and jib functions (if equipped). A console light panel informs the operator of various condition sensors such as fuel level, engine distress, and control enable status. Easy-to-replace console decals feature large, colorful, easy-to-identify graphical symbols.



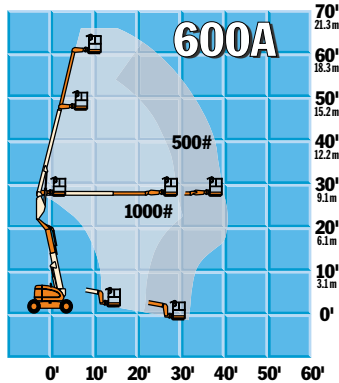
Ground Control Console. Ground control console features a three-dimensional decal. A detailed light panel provides status of specified machine conditions, including various self-diagnostic maintenance sensors. Ground control console is conveniently located at eye level for ease of use.



Improved Platform Designed for Ease of Repair and Operator Convenience

Rugged platform design features high-strength* square tube steel railing. Constructed of five individually replaceable sections, the entire platform, or just a single section, can be readily replaced. Low mounting of the platform to the boom nose reduces underhanging components which could cause damage to sensitive objects such as an aircraft fuselage. Reduced ground level step-in entry heights and a swinging platform gate permit ease of entry and exit while carrying tools. Sealed hydraulic platform rotator features 180 degrees** range of motion. Dual capacity rating of 500 lbs. (230 kg) unrestricted and 1000 lbs (450 kg) restricted (under ANSI A92.5-1992 in USA only) permits increased job site efficiency.

*50,000 psi yield strength steel alloy.
**160 degrees on model 600S.



Advanced Boom Design Optimizes Reach Envelope and Provides Zero Tailswing*

Exclusive two-section telescoping tower boom provides 26 ft. (8 m) of up-and-over clearance, while the two-section upper boom provides 39 ft. (12 m) of horizontal outreach. Constructed of high-yield strength steel**, the boom features a larger cross sectional area to improve resistance to deflection. Boom wear pads, pins, and bearing require no lubrication. Improved wear pad design provides much larger wear surfaces and lower pad loads for longer service life, with external access to shimming for adjustment.

*5 in. (0.13 m) tailswing on narrow chassis versions.
**100,000 psi yield strength steel alloy.

Turntable Designed for Ease of Service

Gull-wing hoods are constructed of non-corroding composite material and provide full access to all engine components. Swing-out engine tray provides full access to both sides of the engine, allowing service personnel to work in a more convenient, walk-in position. A modular valve manifold consolidates all hydraulic valves and service ports to one location. Convenient access is provided to fuel and hydraulic oil fill ports. All air and oil filters are readily accessible. Bolt-in swing drive system provides ease of backlash adjustment.



600AJ Features Improved Articulating Jib

Standard chassis and narrow chassis versions of model 600AJ feature a new and improved articulating jib. A wider range of motion (+70 degrees to -60 degrees relative to the main boom) permits greater reach versatility in the immediate vicinity of the elevated work site. The new articulating jib is compatible with both 36 x 72 in. (0.9 x 1.83 m) and 36 x 96 in. (0.9 x 2.44 m)* platforms.

*Larger platform not available with narrow chassis option.



PERFORMANCE FEATURES



Available Narrow Chassis Option

Both 600A and 600AJ models are available in 7 ft. (2.1 m) chassis widths. Featuring solid segmented industrial tires, this option provides improved access into congested work areas.

NOTE: 8 ft. (2.44 m) platform and four-wheel drive not available with narrow chassis option.



Improved Oscillating Axle Option

Lock-out of the oscillating axle cylinders to form a rigid chassis does not occur until the superstructure swings 40-degrees either side of center line, an improvement from 10 degrees on previous models.

Standard Features

36 x 72 in. (0.91 x 1.83m)
Low Mount Platform
Inward Swing Gate
180 Degree Hydraulic Platform Rotator
Oscillating Axle
Platform Console Machine Status Light Panel*
110V-AC Receptacle in the Platform
5 Degree Tilt Alarm/Indicator Light
Rim Protector Lug Tread Tires
Swing-Out Engine Module
Gull-wing Engine Hood
14 x 17.5 Lug Tread Tires
12V-DC Auxiliary Power
Proportional Controls
Lifting/Tie Down Lugs
Hourmeter
Horn
Operator Tool Tray

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

Available Options

36 x 96 in. Platform¹
Platform Work Lights
1/2 in. Air Line to Platform²
Soft Touch System 6 ft.
Soft Touch System 8 ft.
Welding Leads to Platform³
Oxy/Acetylene Line²
Foam-Filled Tires
2500W Generator
Head & Tail Lights
Tow Package⁴
Wheel Covers
Travel Alarm
All Motion Alarm
Flashing Amber Beacon
43.5 Propane Tank
Cold Weather Start Kit (Ford)⁵
Cold Weather Start Kit (Deutz)⁵
Hostile Environment Kit⁶
Engine Tray Hand Crank
Isuzu Diesel in lieu of Deutz

1. 36 x 96 in. platform not available w/narrow chassis.
2. Oxy and 1/2 in. air line not available together.
3. Not available on AJ Models.
4. Tow bar must be shipped separate from unit with 4WS and Dual Fuel or with narrow chassis.
5. Includes engine block heater (Ford) or ether assist (Deutz), battery heater, oil manifold heater, and oil tank heater.
6. Includes console cover, boom wipers and cylinder bellows.

The JLG 1 & 5 Warranty

JLG Industries, Inc. backs our products with our exclusive "1 & 5" Warranty. We provide coverage on all products for one (1) full year, and cover all specified major structural components for five (5) full years. This warranty represents our commitment to superior quality and manufacturing standards and underscores our pledge of being, "The Provider of Choice Worldwide for Access and Material Handling Equipment."

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 OSHA Regulations in 29 CFR 1910.67, 29 CFR 1926.453, ANSI A92.5-1992, as originally manufactured for intended applications.

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