

# 450AJ

## ARTICULATING BOOM LIFT

BOOM LIFT



### KEY SPECS

**Platform Height**  
45-ft / 13.72-m

**Up and Over Height**  
24-ft / 7.3-m

**Horizontal Outreach**  
25-ft / 7.62-m

**Platform Capacity**  
550-lb / 250-kg

### KEY FEATURES

- Improved multifunction capability for increased productivity.
- Provides durability and serviceability with DuraTough hood design.
- Delivers a zero calibration automatic load sensing system that eliminates the need to use external weights to calibrate the machine.
- Optimized 550-lb platform capacity for occupants and tools.

### ACCESSORIES & OPTIONS

- 1/2-in Airline to Platform
- 43.5-lb Propane Tank
- AC Generator, 2500W
- Accessory Packages:
  - SkyGlazier® Package
  - SkyPower® Package
  - SkyWelder® Package
- Arctic Package<sup>1</sup>
- Cold Weather Package<sup>2</sup>
- Hostile Environment Package<sup>3</sup>
- Hostile Environment Extreme Package<sup>4</sup> (2WS Only)
- Light Packages
- Platform Mesh to Mid or Top Rail
  - Aluminum or Plastic
- Platforms
  - Drop Bar, 30 x 36-in, 30 x 48-in, 30 x 60-in, 30 x 72-in
  - Fall Arrest, Rear Entry, 30 x 60-in
- Inward Self-Closing Swing Gate, 30 x 48-in, 30 x 60-in, 30 x 72-in
- SkySense® Enhanced Detection System
- Soft Touch
- Tow Bar
- Welder Ready Package
- White Noise Alarm

1. Includes Arctic Hydraulic Hoses (Drive And Steer Only) And Main Boom Cable, Extreme Cold Engine Oil, Fuel Conditioner, Engine Block Heater, Battery Blanket, Glow Plugs, Hydraulic Tank Heater, Oversized Foot Switch and Arctic Hydraulic Oil.  
2. Includes Battery Blanket, Hydraulic Tank Heater, Engine Block Heater Pad.  
3. Includes Console Cover, Boom Wipers and Cylinder Bellows.  
4. Hostile Environment Package Required; Includes Shields Over Turntable Swivel, Pinion Gear, Turntable Bearing, and Fire Resistant Wrap Over Drive and Steer Hoses.

### STANDARD SPECIFICATIONS

#### Performance

Platform Height	45-ft / 13.72-m
Horizontal Outreach	25-ft / 7.62-m
Up and Over Height	24-ft / 7.3-m
Swing	355 Degrees Non-Continuous
Platform Capacity	550-lb / 250-kg
Platform Rotator	180 Degrees Hydraulic
Jib	4-ft 1-in / 1.24-m
Range of Articulation	145 Degrees (+76, -69)
Weight*	14,150-lb / 6,418-kg
Max. Ground Bearing Pressure	65 psi / 4.57 kg/cm <sup>2</sup>
Drive Speed	4.25 mph / 6.8 km/h
Gradeability 2WD / 4WD	30% / 45%
Tilt Cut Out	5 Degrees
Axle Oscillation	4-in / 10-cm
Turning Radius Inside	6-ft 9-in / 2.06-m
Turning Radius Outside	15-ft 8-in / 4.78-m

#### Engine

Dual Fuel – Kubota WG2503	60 hp / 44 kW
Diesel Fuel – Deutz D2.9L4 Tier 4 Final	49 hp / 36.4 kW
Fuel Tank Capacity	16 gal / 60.6 L

#### Tires

Standard	Foam Filled, 33/1550 x 16.5
Optional	Foam Filled Low Profile Non-marking, IN315/55D20 Foam Filled Low Profile, IN315/55D20 Foam Filled Non-marking, 12 x 16.5 Foam Filled, 12 x 16.5 or 33/1550 x 15.5 Foam Filled Turf & Sand, 33 x 16LL500 Solid Low Profile Non-marking, 33 x 12-20

#### Hydraulic System

System Capacity	17.3 gal / 65.5 L
Tank Capacity	15 gal / 56.8 L
Auxiliary Power	12V DC

### STANDARD FEATURES

- 4-ft 1-in (1.24-m) Articulating Jib
- 5 Degree Tilt Alarm/ Indicator Light
- 12V-DC Auxiliary Power
- 110V-AC Receptacle in the Platform
- Cast Aluminum Control Box
- Center Storage Tray
- ClearSky Smart Fleet™ Hardware (CS550)
- Control ADE® System
- Four-Wheel Hydrostatic Drive
- Gull-Wing Turntable Hoods
- Horn
- Hourmeter
- LED Motion/Amber Beacon (CS550)
- Improved Multi-Function Controls
- Lifting/Tie Down Lugs
- Load Sensing System
- Motion Alarm
- Oscillating Axle
- Platform Console Machine Status Light Panel\*\*
- Proportional Controls
- Rapid Replaceable Platform with Self-Closing Gate
- SkyGuard SkyLine™
- Swing-Out Engine Tray
- USB-A and USB-C Charger

\*Certain Options or Country Standards Increase Weight.

\*\*Provides Indicator Lights at Platform Control Console for System Distress, Low Fuel, Degree Tilt Light and Foot Switch Status.

Not All Options Can Be Outfitted On the Same Machine; Consult Factory for Compatibility.  
Additional Accessories and Options Available Via JLG Aftermarket.

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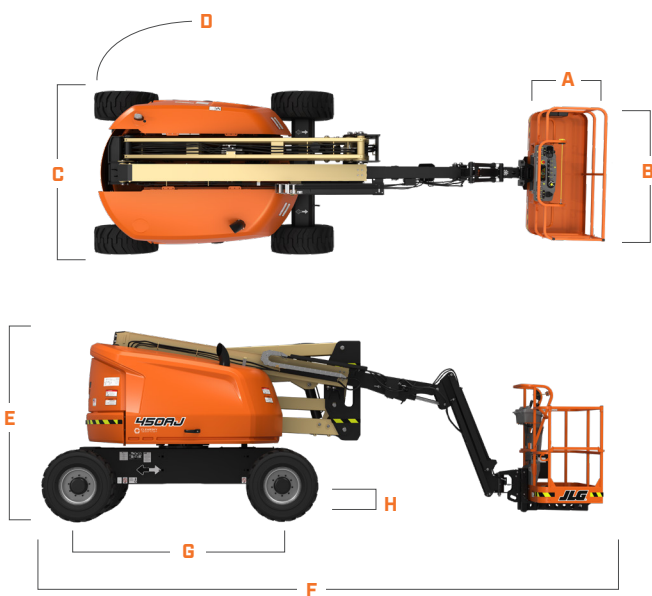
## ARTICULATING BOOM LIFT

BOOM LIFT



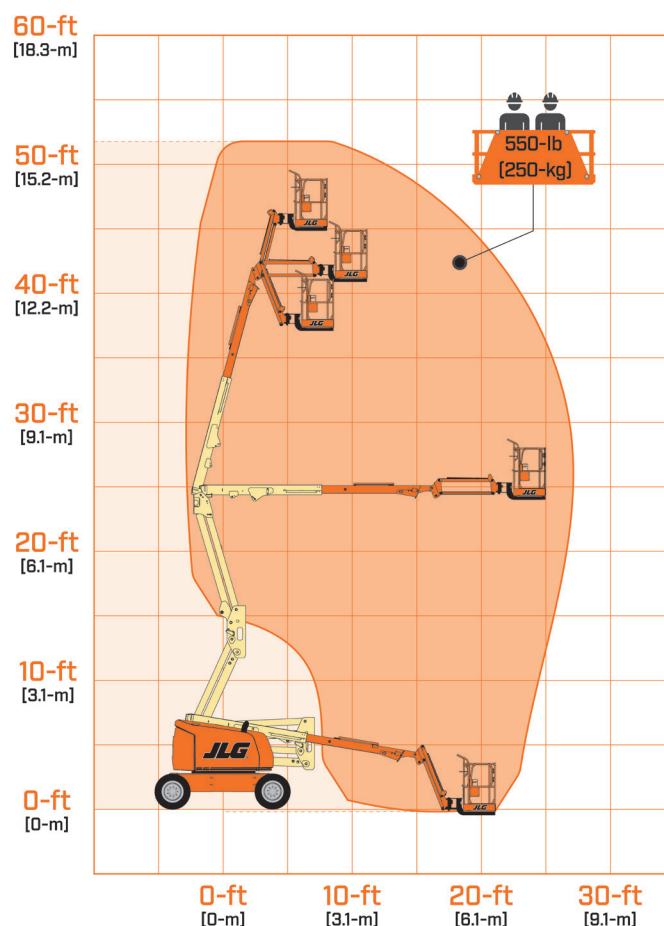
### DIMENSIONS

All dimensions are approximate



A.	Platform Width	30-in / 0.76-m
B.	Platform Length	72-in / 1.83-m
C.	Machine Width	7-ft 8.6-in / 2.35-m
D.	Tailswing	Zero
E.	Machine Height	7-ft 5.3-in / 2.27-m
F.	Machine Length	21-ft 6.9-in / 6.57-m
G.	Wheelbase	7-ft 9-in / 2.36-m
H.	Ground Clearance	16.4-in / 41.7-cm

### REACH DIAGRAM



We provide coverage for one (1) full year, and cover all specified major structural components for five (5) years. 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 ANSI and CSA requirements based on machine configuration as originally manufactured for intended applications. Please reference the serial number plate on the machine for additional information.



**JLG INDUSTRIES, INC.**  
Toll-free US 877-JLG-LIFT  
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## FEATURES

- 27' (8.3m) Outreach
- 355° Rotation Turret
- GMG 4wd with Traction Control
- 660 lbs (300 kg) Platform Capacity
- 6' x 2.5' (1.83m x .76m ) Platform
- 180° Platform Rotation
- Fully Proportional Drive/Lift
- Foam Filled Tires
- Oscillating Axle
- Self-closing entry gate
- On-board diagnostic system
- Load sensing system
- Auto-leveling system
- Option (refer to back page)



## SPECIFICATIONS

## 45/28 AJ

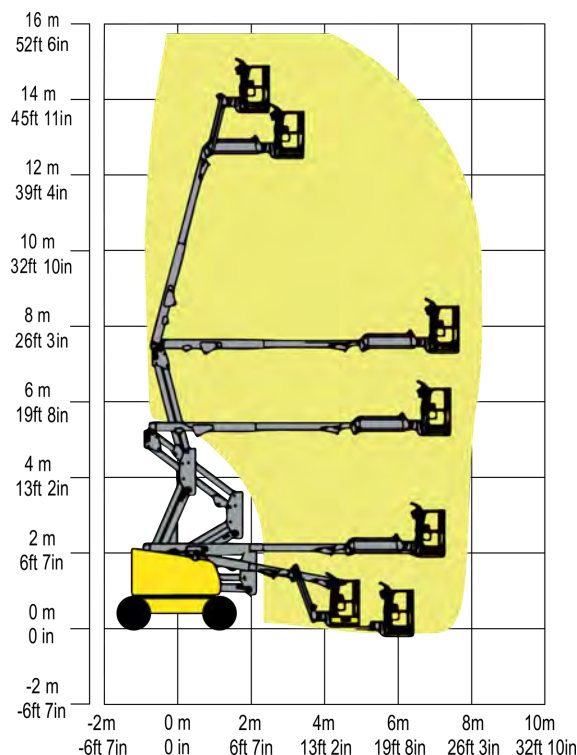
Measurements	US	Metric
Working height maximum	51' 10"	15.8 m
Platform height maximum	45' 3"	13.8 m
Horizontal outreach	27' 3"	8.3 m
Up and over height	24' 9"	7.55 m
Stowed length	21' 7"	6.57 m
Stowed width	7' 7"	2.3 m
Stowed height	7' 5"	2.27 m
Platform length	6'	1.83 m
Platform width	2' 6"	0.76 m
Jib length	4' 1"	1.24 m
Wheelbase	7' 9"	2.36 m
Ground clearance	1' 5"	0.42 m
Productivity	US	Metric
Platform capacity	660 lbs	300 kg
Drive speed	4.5 mph	7 km/h
Gradeability	45%	
Axles oscillation	4"	10 cm
Turning radius (inside)	6' 9"	2.06 m
Turning radius (outside)	15' 8"	4.78 m
Turntable swing	355° non-continuous	
Platform rotation	180°	
Tail swing	zero	
Max. wind speed	28 mph	12.5 m/s
Power	US	Metric
Diesel engine	Kubota V2403	
Engine power	49 hp	36 kW
Fuel tank capacity	17 gal	65 L
Voltage	12V dc	
Drive	4wd	
Hydraulic tank capacity	40 gal	150
Tire / Weight	US	Metric
Tire	315/55 Foam Filled	
Weight (ANSI / CE)	15,650 lbs	7100 kg

## STANDARD EQUIPMENT

- Flashing beacon
- Emergency descent alarm
- Horn
- All motion alarm
- Foam filled tires

## OPTIONS

- Generator
- Anti-crush system
- Hostile environment kit
- Control box cover
- Non-marking tires
- Cold climate hyd. oil
- Cold climate engine heater
- Cold climate battery
- Platform work lights



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