

Model E Series

ELECTRIC BOOM LIFTS



Features

Eight 6V 370 Amp-Hour Deep Cycle Batteries
Automatic Traction Control (ATC)
Inward Self-Closing Swing Gate
180 Degree Hydraulic Platform Rotator
110V-AC Receptacle on Platform
5 Degree Tilt Alarm/Indicator Light
Hourmeter
Battery Condition Indicator
Lifting/Tie Down Lugs
Horn
Operator Tool Tray
All Motion Alarm

Accessories & Options

Platform Worklights
Mesh to Top Rail—Bolt-on Aluminum
Acrylic Console Shield
Cylinder Bellows
UL® EE Rating¹
Flashing Amber Beacon

1. Not available on Multi-Powered models

Please refer to the JLG Aerial Work Platform Sales Manual for additional features and accessories.

Specifications

Reach

Platform Height	
E300AJ/E 300AJP	30 ft (9.14 m)
E400A/E400AJP	40 ft (12.19 m)
E400A Narrow/E400AJP Narrow	40 ft (12.19 m)
E450A/E450AJ	45 ft (13.72 m)
Horizontal Outreach	
E/M400A Narrow	21 ft 2 in. (6.45 m)
E/M450A	23 ft 1 in. (7.04 m)
With Jib	
E300AJ	20 ft (6.1 m)
E/M450AJ	23 ft 9 in. (7.24 m)
With JibPLUS	
E300AJP	20 ft 6 in. (6.25 m)
E/M400AJP Narrow	22 ft 5 in. (6.83 m)
Up and Over Height	
E300AJ/E300AJP	13 ft 1 in. (3.99 m)
E400A/E400AJP	21 ft 6 in. (6.55 m)
E400A Narrow/E400AJP Narrow	21 ft 6 in. (6.55 m)
E450A	24 ft 7 in. (7.49 m)
E450AJ	25 ft 3 in. (7.7 m)
Swing	360 Degrees Non-Continuous
Platform Capacity	500 lb (227 kg)
Platform Rotator	180 Degrees Hydraulic
Jib (range of articulation)	
E300AJ/E300AJP	144 Degrees (+84, -60) Vertical
E400AJP/E400AJP Narrow	144 Degrees (+84, -60) Vertical
E450AJ	141 Degrees (+86, -55) Vertical
JibPLUS	
E300AJP/E400AJP/E400AJP Narrow	180 Degrees Horizontal

(continued on back page)



Versatility to Meet Your Needs

- Choose from three popular platform heights and three chassis widths
- Non-jib and optional jib models
- Automatic traction control for on and off slab mobility
- Zero emissions and low noise

Power to Stay On the Job Longer

- Industry-leading duty cycles
- Multi-power models provide round-the-clock operation and faster battery charging

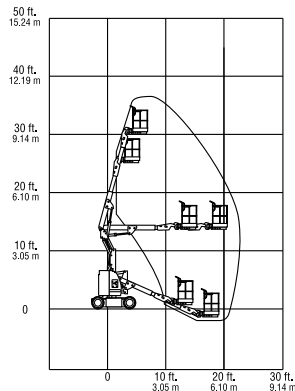
Unmatched Reach and Positioning Capabilities

- Exclusive JibPLUS® boom option provides 180-degree range of side-to-side movement
- 48 in. narrow chassis models for narrow aisles
- Near vertical jib positioning and access to areas other machines can't reach
- Multiple function operation for efficient maneuvering in tight spaces

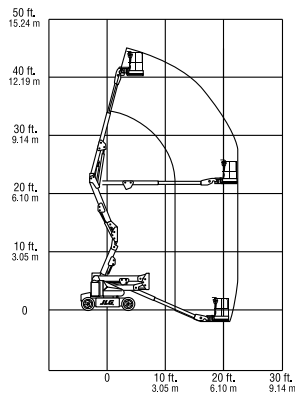
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Specifications

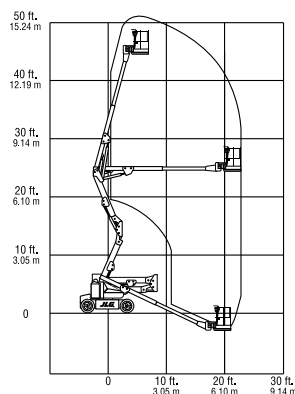
E300



E400



E450



Dimensions

Platform Size

E300AJ/E300AJP	30 x 48 in. (0.76 x 1.22 m)
E400A Narrow	30 x 48 in. (0.76 x 1.22 m)
E400AJP Narrow	30 x 48 in. (0.76 x 1.22 m)
E400A/E400AJP	30 x 60 in. (0.76 x 1.52 m)
E450A/E450AJ	30 x 60 in. (0.76 x 1.52 m)

Overall Width

E300AJ/E300AJP	4 ft (1.22 m)
E400A/E400AJP/E450A/E450AJ	5 ft 9 in. (1.75 m)
E400A Narrow/E400AJP Narrow	4 ft 11 in. (1.5 m)

Tailswing

E300AJ/E300AJP/E400A	Zero
E400AJP/E450A/E450AJ	Zero
E400A Narrow/E400AJP Narrow	4 in. (10 cm)

Stowed Height

E300AJ/E300AJP/E400A	6 ft 7 in. (2.0 m)
E400AJP/E450AJ	6 ft 7 in. (2.0 m)
E400A Narrow/E400AJP Narrow	6 ft 5.75 in. (1.97 m)
E450A	6 ft 6 in. (1.98 m)

Stowed Length

E400A/E400AJP/E400A Narrow	18 ft 1 in. (5.5 m)
E400AJP Narrow	18 ft 1 in. (5.5 m)
E450A	19 ft 1 in. (5.82 m)

With Jib

E300AJ	18 ft (5.49 m)
E450AJ	21 ft 2 in. (6.45 m)

With JibPLUS

E300AJP/E400AJP	18 ft 8 in. (5.70 m)
E400AJP Narrow	22 ft (6.7 m)

Wheelbase

E300AJ/E300AJP	5 ft 5 in. (1.65 m)
E400A/E400AJP/E400A Narrow	6 ft 7 in. (2.0 m)
E400AJP Narrow/E450A/E450AJ	6 ft 7 in. (2.0 m)

Ground Clearance

E300AJ/E300AJP	4 in. (10 cm)
E400A/E400AJP/E450A/E450AJ	8.5 in. (22 cm)
E400A Narrow/E400AJP Narrow	5 in. (13 cm)

Weight

E400A/E400AJP	12,100 lb (5,488 kg)
E400A Narrow/E400AJP Narrow	13,100 lb (5,942 kg)
E450A	12,600 lb (5,715 kg)

With Jib

E300AJ	15,400 lb (6,985 kg)
E450AJ	14,400 lb (6,532 kg)

With JibPLUS

E300AJP	15,800 lb (7,166 kg)
E400AJP	13,700 lb (6,214 kg)
E400AJP Narrow	14,900 lb (6,759 kg)

Ground Bearing Pressure

E300AJ/E300AJP	121 psi (8.47 kg/cm ²)
E400A/E400AJP	80 psi (5.6 kg/cm ²)
E400A Narrow/E400AJP Narrow	95 psi (6.7 kg/cm ²)
E450A	64 psi (4.48 kg/cm ²)
E450AJ	75 psi (5.25 kg/cm ²)

With JibPLUS

E300AJP	130 psi (9.1 kg/cm ²)
E400AJP	74 psi (5.2 kg/cm ²)
E400AJP Narrow	185 psi (13.0 kg/cm ²)

Chassis

Drive Speed

E300AJ/E300AJP	3.0 mph (4.8 kmph)
E400A Narrow/E400AJP Narrow	3.0 mph (4.8 kmph)
E400A/E400AJP/E450A/E450AJ	3.2 mph (5.2 kmph)

Gradeability

E300AJ/E300AJP	25%
E400A/E400AJP/E400A Narrow	30%
E400AJP Narrow/E450A/E450AJ	30%

Turning Radius (Inside)

E300AJ/E300AJP	5 ft (1.52 m)
E400A/E400AJP/E450A/E450AJ	2 ft (61 cm)
E400A Narrow/E400AJP Narrow	2 ft 10 in. (86 cm)

Turning Radius (Outside)

E300AJ/E300AJP	10 ft 2 in. (3.1 m)
E400A/E400AJP/E400A Narrow	10 ft 4 in. (3.15 m)
E400AJP Narrow/E450A/E450AJ	10 ft 4 in. (3.15 m)

Tire Size/Type

E300AJ/E300AJP	7.5 x 12 Non-Marking
E400A/E400AJP	240/55-17.5 pneumatic
E450A/E450AJ	240/55-17.5 pneumatic

Tire Size/Type (front)

E400A Narrow/E400AJP Narrow	22 x 6 x 17.5 Non-Marking
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Tire Size/Type (back)

E400A Narrow/E400AJP Narrow	22 x 7 x 12 Non-Marking
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Power Source

Electrical System 48V DC

Batteries 8 x 6V, 370 amp-hr

Drive Motors Dual Electric Traction

Brakes Automatic Spring Applied Multiple Disks

Hydraulic Motor/Pump Permanent Magnet

Motor/Gear Pump

Hydraulic Reservoir

E300AJ/E300AJP 3 gal. (11.4 L)

E400A/E400AJP/E400A Narrow 4 gal. (15.2 L)

E400AJP Narrow/E450A/E450AJ 4 gal. (15.2 L)

Generator Set (Multi-Power Options)

E400A/E400AJP/E400A Narrow Fully Automatic,

E400AJP Narrow/E450A/E450AJ 45 Amp Kubota 6 hp

Air-Cooled Engine

Engine Fuel Tank

E400A/E400AJP/E400A Narrow 4 gal. (15.2 L)

E400AJP Narrow/E450A/E450AJ 4 gal. (15.2 L)



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