



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



Model

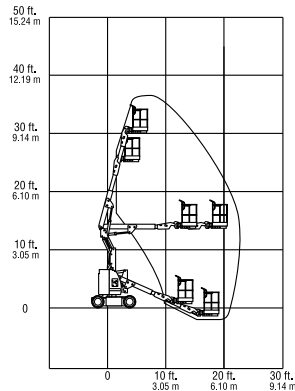
E Series

ELECTRIC

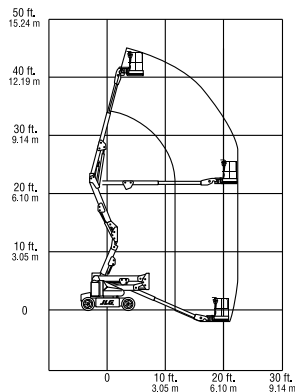
BOOM LIFTS

Specifications

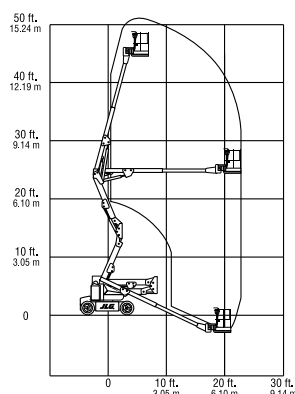
E300



E400



E450



Dimensions

Platform Size

E300AJ/E300AJJP	30 x 48 in. (0.76 x 1.22 m)
E400A Narrow	30 x 48 in. (0.76 x 1.22 m)
E400AJJP Narrow	30 x 48 in. (0.76 x 1.22 m)
E400AJ/E400AJJP	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/E300AJJP	4 ft (1.22 m)
E400AJ/E400AJJP/E450AJ/E450AJJP	5 ft 9 in. (1.75 m)
E400A Narrow/E400AJJP Narrow	4 ft 11 in. (1.5 m)

Tailswing

E300AJ/E300AJJP/E400A	Zero
E400AJJP/E450AJ/E450AJJP	Zero
E400A Narrow/E400AJJP Narrow	4 in. (10 cm)

Stowed Height

E300AJ/E300AJJP/E400A	6 ft 7 in. (2.0 m)
E400AJJP/E450AJ	6 ft 7 in. (2.0 m)
E400A Narrow/E400AJJP Narrow	6 ft 5.75 in. (1.97 m)
E450A	6 ft 6 in. (1.98 m)

Stowed Length

E400AJ/E400AJJP/E400A Narrow	18 ft 1 in. (5.5 m)
E400AJJP Narrow	18 ft 1 in. (5.5 m)
E450A	19 ft 1 in. (5.82 m)

With Jib

E300AJ	18 ft 5.49 in. (5.64 m)
E450AJ	21 ft 2 in. (6.45 m)

With JibPLUS

E300AJJP/E400AJJP	18 ft 8 in. (5.70 m)
E400AJJP Narrow	22 ft (6.7 m)

Wheelbase

E300AJ/E300AJJP	5 ft 5 in. (1.65 m)
E400AJ/E400AJJP/E400A Narrow	6 ft 7 in. (2.0 m)
E400AJJP Narrow/E450AJ/E450AJJP	6 ft 7 in. (2.0 m)

Ground Clearance

E300AJ/E300AJJP	4 in. (10 cm)
E400AJ/E400AJJP/E450AJ/E450AJJP	8.5 in. (22 cm)
E400A Narrow/E400AJJP Narrow	5 in. (13 cm)

Weight

E400AJ/E400AJJP	12,100 lb (5,488 kg)
E400A Narrow/E400AJJP 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

E300AJJP	15,800 lb (7,166 kg)
E400AJJP	13,700 lb (6,214 kg)
E400AJJP Narrow	14,900 lb (6,759 kg)

Ground Bearing Pressure

E300AJ/E300AJJP	121 psi (8.47 kg/cm ²)
E400AJ/E400AJJP	80 psi (5.6 kg/cm ²)
E400A Narrow/E400AJJP 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

E300AJJP	130 psi (9.1 kg/cm ²)
E400AJJP	74 psi (5.2 kg/cm ²)
E400AJJP Narrow	185 psi (13.0 kg/cm ²)

Chassis

Drive Speed

E300AJ/E300AJJP	3.0 mph (4.8 kmph)
E400A Narrow/E400AJJP Narrow	3.0 mph (4.8 kmph)
E400AJ/E400AJJP/E450AJ/E450AJJP	3.2 mph (5.2 kmph)

Gradeability

E300AJ/E300AJJP	25%
E400AJ/E400AJJP/E400A Narrow	30%
E400AJJP Narrow/E450AJ/E450AJJP	30%

Turning Radius (Inside)

E300AJ/E300AJJP	5 ft (1.52 m)
E400AJ/E400AJJP/E450AJ/E450AJJP	2 ft (61 cm)
E400A Narrow/E400AJJP Narrow	2 ft 10 in. (86 cm)

Turning Radius (Outside)

E300AJ/E300AJJP	10 ft 2 in. (3.1 m)
E400AJ/E400AJJP/E400A Narrow	10 ft 4 in. (3.15 m)
E400AJJP Narrow/E450AJ/E450AJJP	10 ft 4 in. (3.15 m)

Tire Size/Type

E300AJ/E300AJJP	7.5 x 12 Non-Marking
E400AJ/E400AJJP	240/55-17.5 pneumatic
E450AJ/E450AJJP	240/55-17.5 pneumatic

Tire Size/Type (front)

E400A Narrow/E400AJJP Narrow	22 x 6 x 17.5 Non-Marking
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Tire Size/Type (back)

E400A Narrow/E400AJJP 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/E300AJJP 3 gal. (11.4 L)

E400AJ/E400AJJP/E400A Narrow 4 gal. (15.2 L)

E400AJJP Narrow/E450AJ/E450AJJP 4 gal. (15.2 L)

Generator Set (Multi-Power Options)

E400AJ/E400AJJP/E400A Narrow

E400AJJP Narrow/E450AJ/E450AJJP Fully Automatic,

45 Amp Kubota 6 hp

Air-Cooled Engine

Engine Fuel Tank

E400AJ/E400AJJP/E400A Narrow 4 gal. (15.2 L)

E400AJJP Narrow/E450AJ/E450AJJP 4 gal. (15.2 L)



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