

# 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 Rating<sup>1</sup>**  
**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

<b>E300AJ/E 300AJP</b>	<b>30 ft (9.14 m)</b>
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

<b>E300AJP</b>	<b>20 ft 6 in. (6.25 m)</b>
E/M400AJP Narrow	22 ft 5 in. (6.83 m)

Up and Over Height

<b>E300AJ/E300AJP</b>	<b>13 ft 1 in. (3.99 m)</b>
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)

<b>E300AJ/E300AJP</b>	<b>144 Degrees (+84, -60) Vertical</b>
E400AJP/E400AJP Narrow	144 Degrees (+84, -60) Vertical

E450AJ 141 Degrees (+86, -55) Vertical

JibPLUS

<b>E300AJP/E400AJP/E400AJP Narrow</b>	<b>180 Degrees Horizontal</b>
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*(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

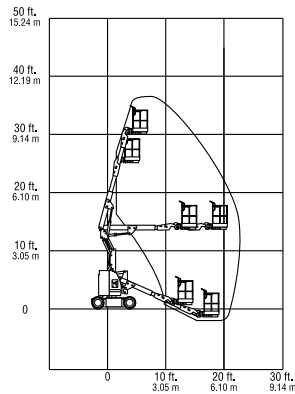
- Industry-leading duty cycles
- Multi-power models provide round-the-clock operation and faster battery charging

#### Unmatched Reach and Positioning Capabilities

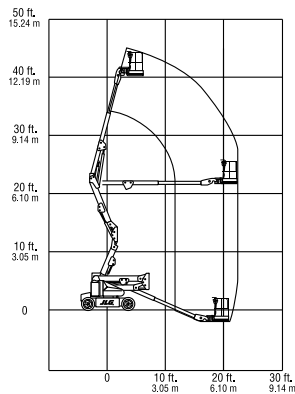
- Exclusive JibPLUS® boom option provides 180-degree range of side-to-side movement
- 48 in. narrow chassis models for narrow aisles
- Near vertical jib positioning and access to areas other machines can't reach
- Multiple function operation for efficient maneuvering in tight spaces

### Specifications

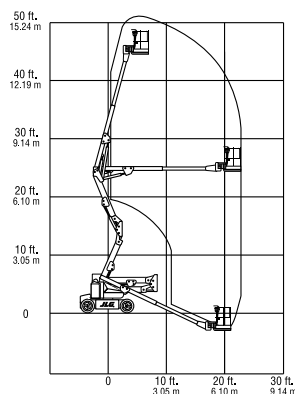
#### E300



#### E400



#### E450



### Dimensions

<b>Platform Size</b>	
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)
<b>Overall Width</b>	
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)
<b>Tailswing</b>	
E300AJ/E300AJP/E400A	Zero
E400AJP/E450A/E450AJ	Zero
E400A Narrow/E400AJP Narrow	4 in. (10 cm)
<b>Stowed Height</b>	
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)
<b>Stowed Length</b>	
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)
<b>With Jib</b>	
E300AJ	18 ft (5.49 m)
E450AJ	21 ft 2 in. (6.45 m)
<b>With JibPLUS</b>	
E300AJP/E400AJP	18 ft 8 in. (5.70 m)
E400AJP Narrow	22 ft (6.7 m)
<b>Wheelbase</b>	
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)
<b>Ground Clearance</b>	
E300AJ/E300AJP	4 in. (10 cm)
E400A/E400AJP/E450A/E450AJ	8.5 in. (22 cm)
E400A Narrow/E400AJP Narrow	5 in. (13 cm)
<b>Weight</b>	
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)
<b>With Jib</b>	
E300AJ	15,400 lb (6,985 kg)
E450AJ	14,400 lb (6,532 kg)
<b>With JibPLUS</b>	
E300AJP	15,800 lb (7,166 kg)
E400AJP	13,700 lb (6,214 kg)
E400AJP Narrow	14,900 lb (6,759 kg)
<b>Ground Bearing Pressure</b>	
E300AJ/E300AJP	121 psi (8.47 kg/cm <sup>2</sup> )
E400A/E400AJP	80 psi (5.6 kg/cm <sup>2</sup> )
E400A Narrow/E400AJP Narrow	95 psi (6.7 kg/cm <sup>2</sup> )
E450A	64 psi (4.48 kg/cm <sup>2</sup> )
E450AJ	75 psi (5.25 kg/cm <sup>2</sup> )
<b>With JibPLUS</b>	
E300AJP	130 psi (9.1 kg/cm <sup>2</sup> )
E400AJP	74 psi (5.2 kg/cm <sup>2</sup> )
E400AJP Narrow	185 psi (13.0 kg/cm <sup>2</sup> )

### Chassis

<b>Drive Speed</b>	
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)
<b>Gradeability</b>	
E300AJ/E300AJP	25%
E400A/E400AJP/E400A Narrow	30%
E400AJP Narrow/E450A/E450AJ	30%
<b>Turning Radius (Outside)</b>	
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)
<b>Turning Radius (Inside)</b>	
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)
<b>Tire Size/Type</b>	
E300AJ/E300AJP	7.5 x 12 Non-Marking
E400A/E400AJP	240/55-17.5 pneumatic
E450A/E450AJ	240/55-17.5 pneumatic
<b>Tire Size/Type (front)</b>	
E400A Narrow/E400AJP Narrow	22 x 6 x 17.5 Non-Marking
<b>Tire Size/Type (back)</b>	
E400A Narrow/E400AJP Narrow	22 x 7 x 12 Non-Marking

### 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
<b>Hydraulic Reservoir</b>	
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)
<b>Generator Set (Multi-Power Options)</b>	
E400A/E400AJP/E400A Narrow	
E400AJP Narrow/E450A/E450AJ	Fully Automatic, 45 Amp Kubota 6 hp Air-Cooled Engine
<b>Engine Fuel Tank</b>	
E400A/E400AJP/E400A Narrow	4 gal. (15.2 L)
E400AJP Narrow/E450A/E450AJ	4 gal. (15.2 L)



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