# **E SERIES**ELECTRIC BOOM LIFTS



## **Performance**

Periormance		
Platform Height		
E300AJ	30 ft 2 in.	9.19 m
E300AJP	29 ft 5 in.	8.96 m
E400AN/E400AJP/M400AJP/	40.0	12.10
E400AJPN/M400AJPN	40 ft	12.19 m
E450A/E450AJ/M450AJ	45 ft	13.72 m
Horizontal Outreach E300AJ	20 ft 3 in.	6.17 m
E300AJP	20 ft 1 in.	6.17 m
E400AN	21 ft 2 in.	6.45 m
E400AJP/M400AJP/		
E400AJPN/M400AJPN	22 ft 5 in.	6.83 m
E450A	23 ft 1 in.	7.04 m
E450AJ/M450AJ	23 ft 9 in.	7.24 m
Up and Over Height		
E300AJ/E300AJP	13 ft 2 in.	4.01 m
E400AN/E400AJP/M400AJP/	21 (1 6 )	6.55
E400AJPN/M400AJPN	21 ft 6 in.	6.55 m
E450A F450A J/M450A J	24 ft 7 in. 25 ft 3 in.	7.49 m 7.7 m
	360° Non-continuous	1.1 111
Swing  Platform Capacity	500 lb	227 kg
Platform Capacity		227 kg
Platform Rotator	180° Hydraulic	
Weight E300AJ	15,060 lb	6,831 kg
E300AJP	15,400 lb	6,985 kg
E400AN	13,100 lb	5,942 kg
E400AJP/M400AJP	13,700 lb*	6,214 kg
E400AJPN/M400AJPN	14,900 lb*	6,759 kg
E450A	12,600 lb	5,715 kg
E450AJ/M450AJ	14,400 lb*	6,532 kg
Ground Bearing Pressure		
E300AJ/E300AJP	170 psi	11.95 kg/cn
E400AN	95 psi	6.7 kg/cm <sup>2</sup>
E400AJP/M400AJP E400AJPN/M400AJPN	80 psi	5.6 kg/cm <sup>2</sup>
E450A	185 psi 95 psi	13 kg/cm² 6.7 kg/cm²
E450AJ/M450AJ	110 psi	7.6 kg/cm <sup>2</sup>
Max Drive Speed	110 psi	7.0 Ng/CiTi
E300AJ/E300AJP	4.5 mph	7.2 km/h
E400AN/E400AJP/M400AJP/	1.5 11.p11	7.2 1111711
E400AJPN/M400AJPN	4.5 mph	7.2 km/h
E450A/E450AJ/M450AJP	4.5 mph	7.2 km/h
Gradeability		
E300AJ/E300AJP	25%	
E400AN/E400AJP/M400AJP/		
E400AJPN/M400AJPN	30%	
E450A/E450AJ/M450AJP	30%	
Turning Radius (inside)	r (t	1.52
E300AJ/E300AJP E400AN	5 ft 2 ft 10 in.	1.52 m
E400AJP/M400AJP	2 ft 10 iii.	.86 m .61 m
E400AJPN/M400AJPN	2 ft 10 in.	.86 m
E450A/E450AJ/M450AJP	2 ft	.61 m
Turning Radius (outside)	•	
E300AJ/E300AJP	10 ft 2 in.	3.1 m
E400AN/E400AJP/M400AJP/		
E400AJPN/M400AJPN	10 ft 4 in.	3.15 m
E450A/E450AJ/M450AJP	10 ft 4 in.	3.15 m
*For M models add 200 lb /126 kg)		





## **Standard Specifications**

### **Power Source**

Electrical System	48V DC		
Batteries	8 x 6V, 370 amp-ł	8 x 6V, 370 amp-hr (305 amp-hr on E300)	
Drive Motors	Dual Electric Trac	Dual Electric Traction—Brushless AC	
Generator Set (M Models)			
Diesel Engine Kubota 45 amp	6.7 hp	4.99 kW	
Fuel Tank Capacity	4 gal.	15.2 L	

## **Hydraulic System**

• E300AJ/E300AJP	2.1 gal.	7.95 L
• E400AN/E400AJP/M400AJP/		
E400AJPN/M400AJPN	4 gal.	15.14 L
• E450A/E450AJ/M450AJP	4 gal.	15.14 L
Motor/Pump	Permanent Magnet Motor/Gear Pump	

### Tires

• E300AJ/E300AJP	25 x 7 x 12 Non-marking
• E400AN/E400AJPN/M400AJPN (front)	22 x 6 x 17.5 Non-marking
• E400AN/E400AJPN/M400AJPN (rear)	25 x 7 x 12 Non-marking
• E400AJP/M400AJP	240/55-17.5 Pneumatic
• E450A/E450AJ/M450AJ	240/55-17.5 Pneumatic

## **Standard Features**

- Automatic Traction Control (ATC)
- Side Entry Platform
- 180 Degree Hydraulic Platform Rotator
- 110V-AC Receptacle on Platform
- Tilt Light and Alarm
- Hourmeter

- Battery Condition Indicator
- Lifting/Tie Down Lugs
- Horn
- All Motion Alarm
- Eight 6V 370 amp-hr Deep Cycle Batteries
- Brushless AC Motors

## **Accessories & Options**

- Inward Self-closing Swing Gate
- Platform Worklights
- Mesh to Top Rail—Bolt-on Aluminum
- Acrylic Console Shield
- Cylinder Bellows
- UL® EE Rating<sup>1</sup>
- Flashing Amber Beacon
- Operator Tool Tray

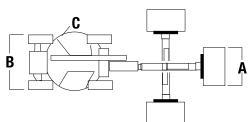
1. Not available on Multi-powered models.

# **ELECTRIC BOOM LIFTS**



## **Dimensions**

All dimensions are approximate.



E300AJ	30 x 48 in.	0.76 x 1.22 m
E300AJP	30 x 48 in.	0.76 x 1.22 m
E400AN	30 x 48 in.	0.76 x 1.22 m
E/M400AJP	30 x 60 in.	0.76 x 1.52 m
E/M400AJPN	30 x 48 in.	0.76 x 1.22 m
E450A	30 x 60 in.	0.76 x 1.52 m
E/M450AJ	30 x 60 in.	0.76 x 1.52 m

B. Overall Width				
E300AJ	4 ft	1.22 m		
E300AJP	4 ft	1.22 m		
E400AN	4 ft 11 in.	1.5 m		
E/M400AJP	5 ft 9 in.	1.75 m		
E/M400AJPN	4 ft 11 in.	1.5 m		
E450A	5 ft 9 in.	1.75 m		
E/M450AJ	5 ft 9 in.	1.75 m		

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E300AJP	Zero	
E400AN	4 in.	10 cm
E/M400AJP	Zero	
E/M400AJPN	4 in.	10 cm
E450A	Zero	
E/M450AJ	Zero	

D. Stowed Height				
E300AJ	6 ft 7 in.	2.01 m		
E300AJP	6 ft 7 in.	2.01 m		
E400AN	6 ft 5.75 in.	1.97 m		
E/M400AJP	6 ft 7 in.	2.01 m		
E/M400AJPN	6 ft 5.75 in.	1.97 m		
E450A	6 ft 6 in.	1.98 m		
E/M450AJ	6 ft 7 in.	2.01 m		

E300AJ	18 ft 2 in.	5.54 m
E300AJP	18 ft 10 in.	5.74 m
E400AN	18 ft 1 in.	5.51 m
E/M400AJP	22 ft	6.71 m
E/M400AJPN	22 ft	6.71 m
E450A	19 ft 1 in.	5.82 m
E/M450AJ	21 ft 2 in.	6.45 m
F. Wheelbase		
E300AJ	5 ft 5 in.	1.65 m
E300AJP	5 ft 5 in.	1.65 m
E400AN	6 ft 7 in.	2.01 m
E/M400AJP	6 ft 7 in.	2.01 m

6 ft 7 in.

6 ft 7 in.

6 ft 7 in.

2.01 m

2.01 m

2.01 m

E. Stowed Length

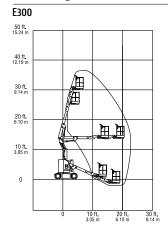
E/M400AJPN

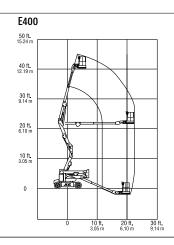
E450A

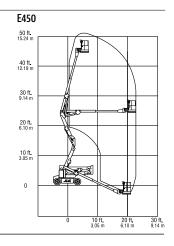
E/M450AJ

G. Ground Cle	earance	
E300AJ	4 in.	10 cm
E300AJP	4 in.	10 cm
E400AN	5 in.	13 cm
E/M400AJP	8.5 in.	22 cm
E/M400AJPN	5 in.	13 cm
E450A	8.5 in.	22 cm
E/M450AJ	8.5 in.	22 cm

## **Reach Diagrams**







# The JLG "1 & 5" Warranty

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. for additional information.

Part No.: 3131119

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