



# 85-J

## Diesel Boom

- Dual Boom Mode Selection  
Telescopic or Articulated  
- Two Machines in One
- 2-Wheel Steer/4-Wheel Steer/  
Crab Steer
- Dual Capacity  
600 lbs. (272 kg) Unrestricted,  
900 lbs. (408 kg) Restricted
- 91 ft. (27.7m) Working Height  
with Standard 6 ft. (1.9m) Jib for  
135° Jib Range of Motion
- Axle-Based 4WD Traction Control  
Drive
- Standard 90 in. (2.3m) Platform  
Includes 3-Sided Entry with Swing  
Gate
- Ergonomic Platform Controls with  
Proactive Platform Safety System®  
Option
- Solid Rough Terrain Tires
- Deutz Turbo-Charged Engine Tier 4
- Optional Frame Leveling to Work  
On Slopes



**Optional Frame Leveling to Work on Slopes**

## Standard Features

### Work Area

90" (2.3 m) Work Platform  
3-Sided Entry with Swing Gate  
600 lb. (272 kg) Unrestricted/900 lb. (408 kg) Restricted Platform Capacity  
180° Platform Rotation  
135° Jib Range of Motion  
Power to Platform  
2-Wheel Steer/4-Wheel Steer/Crab Steer

### Performance

Telescopic & Articulated Patent Pending Dual Boom Mode Selection  
360° Continuous Turntable Rotation  
4WD Axle-Based Positive Traction Drive System  
45% Gradeability  
Oscillating Axle  
Self-Leveling Platform  
Two-Speed Drive  
91 ft. (28 m) Working Height  
Full Height Drive

### Control System

Triple Joystick Interface  
Fully Proportional Multi-Function Controls

### Power

74 hp Deutz Tier 4 Final Diesel

### Safety

Emergency Shut-Off on Platform and Chassis  
Auxiliary Power Unit  
Multi-Axis Tilt Sensor  
Tilt Alarm and Horn  
All Motion Alarm  
Four Wheel SAHR Braking System  
Automotive Horn  
Engine Shut Down Protection

### Other Features

Hour Meter  
Machine Tie-Downs and Lifting Lugs  
Lanyard Attachments  
Standard Solid RT Tires  
On-Board Diagnostics  
Flashing Beacon (Continuous)

### Optional Features

Frame Leveling to Work on Slopes - 7° Level Ability  
Platform Control Box Cover  
7.5 kW Welder Ready Generator  
12 kW AC Welder Ready Generator  
Platform Work Lights  
Glazier Package  
Cold Start Package  
CSA Compliant Options  
Proactive Platform Safety System® (PPSS)  
Second Year Extended Warranty



### MEC Aerial Work Platforms

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85-J	US	Metric
Heights		
Working Height*	91 ft.*	28 m*
Platform Height	85 ft.	26 m
Drive Height	85 ft.	26 m
Turntable Swing	360° Continuous	
Jib Range of Motion	135°	
Platform Rotation	180° (90° each side)	
Up-and-Over Height	21 ft.	6.4 m
85-J Maximum Outreach		
Max. Telescopic Outreach (Unrestricted)	70 ft. @ 600 lbs.	21.3 m @ 272 kg
Max. Telescopic Outreach (Restricted)	64 ft. @ 900 lbs.	19.5 m @ 408 kg
Max. Articulated Outreach (Unrestricted)	56 ft. @ 600 lbs.	17.1 m @ 272 kg
Max. Articulated Outreach (Restricted)	50 ft. @ 900 lbs.	15.3 m @ 408 kg
Platform Size & Capacity		
Total Lift Capacity - Unrestricted	600 lbs.	272 kg
Total Lift Capacity - Restricted	900 lbs.	408 kg
Personnel Capacity	2	
Platform Width	90 in.	2.3 m
Platform Depth	40 in.	1.0 m
Platform Entry	1 End Swing Gate, 2 Slide Bars	
Dimensions		
Length-Stowed (Overall)	39 ft.	11.8 m
Width	102 in.	2.6 m
Overall Height	100 in.	2.5 m
Tailswing	116 in.	2.9 m
Weight** (Approximately)	37,500 lbs.**	17,000 kg**
Working Conditions		
Drive	Axle-Based 4 Wheel Drive	
Gradeability	45%	
Ground Clearance	14 in.	36 cm
Breakover Angle	22°	
Axle Oscillation	14° (±7°)	
Tires	Non-Marking Solid Rough Terrain	
Power		
Power Source	74 HP Deutz Tier 4 Final	
Fuel Capacity	40 gal.	151 L
Hydraulic Oil Capacity	48 gal.	182 L
Movement		
Turning Radius (Inside)	86 in.	2.2 m
Drive Speed	4 mph	6.4 kph
Boom Lift Speed	55 Seconds	
Boom Extend Speed	50 Seconds	
Jib Lift Speed	20 Seconds	

\*Metric equivalent of working height adds 2m to platform height. U.S. adds 6 ft. to platform height.

\*\*Weight may vary with certain options or configurations.

**Important** - MEC lifts must be on a hard level surface while elevated. **Warranty** - MEC Aerial Work Platforms carry a one (1) year warranty on defective component parts and a five (5) year warranty on defective structural parts. This warranty applies to the original owner only. Consult your MEC dealer for warranty details.

**Meets or exceeds** the requirements of ANSI A92.20 and CSA B354.6.17.

**Specifications** subject to change without notice. Photos and diagrams in this brochure are for illustrative purposes only. Contact your MEC distributor for detailed instructions on the proper use and maintenance of this equipment.

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