DualReach® 85-J Boom

Diesel • Hybrid

VERSATILE • AGILE • POWERFUL

Telescopic & Articulated in One Machine

DualReach 85-J

Jobsites at 80 feet are demanding—congested steel, unlevel ground, and tight working spaces all make positioning a challenge. The DualReach® 85-J gives crews the versatility, power, and agility they need to take on complex aerial work.

VERSATILE Unmatched Reach, Unlimited Possibilities

The MEC DualReach 85-J is a true 2-in-1 boom, combining telescopic and articulated functionality in a single machine. With the boom stowed, operators can switch modes at the flip of a switch—using telescopic mode for long, straight outreach up to 70 feet or articulated mode for up-and-over access with 21 feet of clearance. One machine does the work of two, cutting downtime and eliminating the need for multiple units on the jobsite.

- **6 ft jib** with 135° vertical range (+80° / -55°)
- **900 lb unrestricted capacity** – carry more tools and people, safely

Together, these features deliver the flexibility to reach farther, handle heavier loads, and complete more tasks without compromise.

SEE MORE

Scan to see a time-lapse video demonstrating the DualReach 85-J's telescopic and articulated capabilities

AGILE Position Easily In Tight Spaces

With three steering modes—**crab, 4-wheel, and 2-wheel front steer**—the 85-J moves easily in crowded or confined spaces.

- **Xtra–Deck®** platform option to reach up into tight spaces without standing on guardrails
- **External Harness Attachment** option is designed for use with a fall arrest harness for work outside the platform
- Additional, application-specific platform options for welding, glaziers, and mechanical

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The Ultimate 85 ft Boom

POWERFUL Superior Lifting Capacity & Rough Terrain Drive

On uneven or rough surfaces, 4WD, oscillating axles, diff lock, and differential axles deliver the traction and stability operators need. Rugged RT tires come standard, with non-marking options available for indoor or sensitive surfaces.

- **Drive at full height** while maintaining control
- **Live load indicator** in platform to operate with confidence

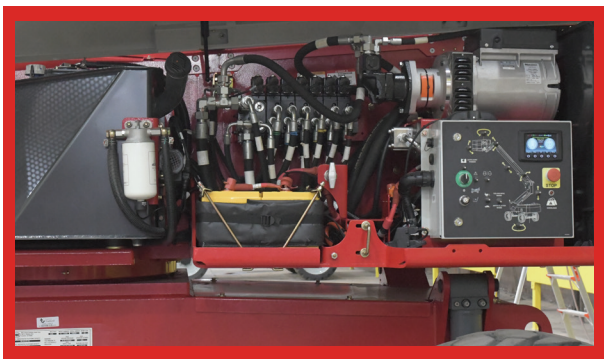
Learn More

Scan to view full DualReach 85-J Spec Sheetsfor both Diesel and Hybrid models

Designed for Uptime

Downtime is costly. The DualReach 85-J is engineered with fewer hydraulic connections, protected components, and smart design choices that keep it reliable shift after shift.

- **Minimize downtime:** 75% fewer hydraulic hoses and fittings reduce potential leak points.
- **Protected performance:** Single axle-mounted drive motor is positioned high and away from jobsite debris.



- **Durable Design:** Steel hydraulic manifolds, steel covers, and swing-out trays safeguard critical components while simplifying service.
- **Lower total cost of ownership:** Smart engineering extends reliability and reduces maintenance.
- **Heavy-Duty Design:** MEC-tough platform with reinforced guardrails, toeboards, and replaceable flooring panels

Power Choices

Diesel:
For demanding jobsites, the **diesel engine** provides reliable strength and extended run time.

Hybrid:
The boom operates as an electric which can be recharged while working or offline with an onboard diesel generator.

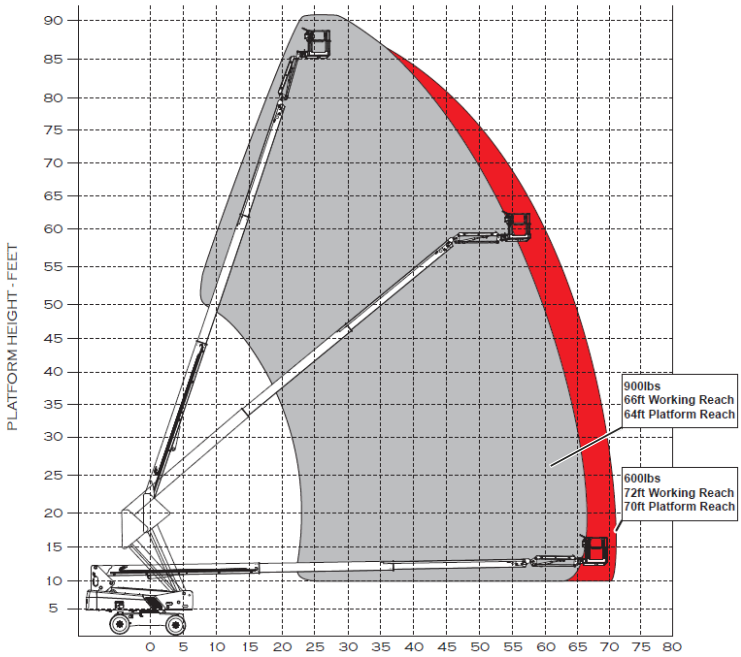
DualReach® 85-J: Triple Award-Winning Design

DualReach 85-J	US	Metric
Heights		
Working Height*	91 ft*	27.7 m*
Platform Height	85 ft	26 m
Drive Height	85 ft	26 m
Turntable Swing	360° Continuous	
Jib Range of Motion Vertical	135°	
Platform Rotation	180° (90° each side)	
Up-and-Over Height	21 ft	6.4 m
Maximum Outreach & Capacity		
Max. Telescopic Outreach (Unrestricted)	70 ft @ 600 lb	21.3 m @ 272 kg
Max. Telescopic Outreach (Restricted)	64 ft @ 900 lb	19.5 @ 408 kg
Max. Articulated Outreach (Unrestricted)	56 ft @ 600 lb	17.1 @ 272 kg
Max. Articulated Outreach (Restricted)	50 ft @ 900 lb	15.3 @ 408 kg
Platform Size		
Platform Width and Depth	90 in. x 40 in.	2.3 m x 1.0 m
Dimensions		
Length-Stowed (Overall)	39 ft	11.8 m
Width	8.6 ft	2.6 m
Overall Height	8.3 ft	2.5 m
Tailswing	5.5 ft	1.7 m
Diesel Weight** (Approximately)	37,500 lb**	17,009 kg**
Hybrid Weight** (Approximately)	37,475 lb**	16,998 kg**
Working Conditions		
Drive	Axle-Based 4 Wheel Drive	
Gradeability	45%	
Ground Clearance	14 in	0.36 m
Axle Oscillation	14°(± 7°)	
Tires	Solid Rough Terrain	
Diesel Power		
Power Source	74 HP Deutz Tier 4 Final	
Fuel Capacity	40 gal	151 L
Hydraulic Oil Capacity	48 gal	182 L
Hybrid Power		
Power Source	80V lithium-ion battery with Kubota diesel generator	
Recharge Time	6 hrs via generator	
	8 hrs via overnight plug-in	
Movement		
Turning Radius (Inside)	86 in	2.2 m
Drive Speed	4 mph	6.4 kph

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 equiment.

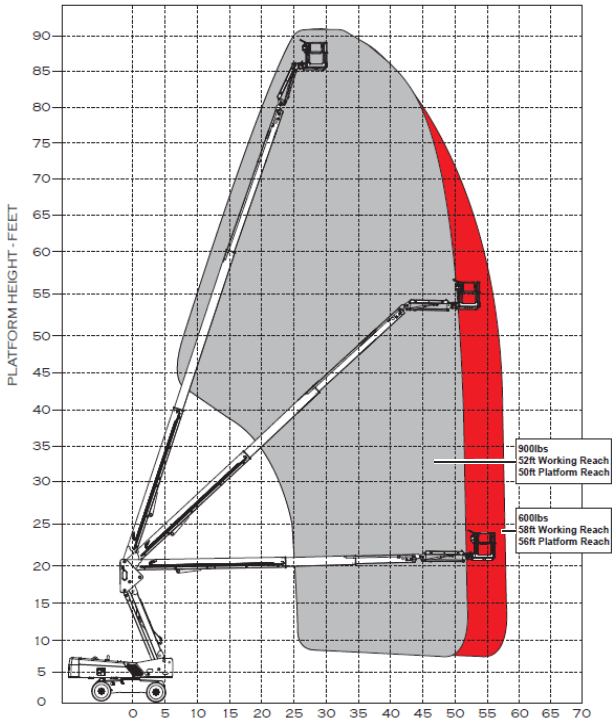
*Metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.
**Weight may vary with certain options or configurations.

Telescopic Range of Motion



Unrestricted Max. Telescopic Outreach **Restricted** Max. Telescopic Outreach

Articulated Range of Motion



Unrestricted Max. Articulated Outreach **Restricted** Max. Articulated Outreach

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