



85-J

Hybrid Boom

- Dual Boom Mode Selection
Telescopic or Articulated
- Two Machines in One
- Electric or Diesel Power for
Maximum Application Utilization
- 2-Wheel Steer/4-Wheel Steer/
Crab Steer Standard
- Dual Capacity
600 lbs. (272 kg) Unrestricted,
900 lbs. (408 kg) Restricted
- 91 ft. (27.7 m) Working Height
with Standard 6 ft. (1.9 m) Jib for
135° Jib Range of Motion
- Axle-Based 4WD Traction Control
Drive
- Standard 90 in. (2.3 m) Platform
Includes 3-Sided Entry with Swing
Gate
- Ergonomic Platform Controls with
Proactive Platform Safety System®
Option
- Non-Marking Solid Rough Terrain
Tires

Optional Frame Leveling to Work On Slopes



Standard Features

Work Area

90 in. (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

80v Lithium-Ion Battery Pack Plus Kubota Diesel Engine Generator

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 Non-Marking Solid Rough Terrain Tires
 On-Board Diagnostics
 Flashing Beacon (Continuous)

Optional Features

Frame Leveling to Work on Slopes - 7° Level Ability
 Platform Control Box Cover
 Inverter
 8kW Welder Ready
 Platform Work Lights
 Glazier Package
 Cold Weather Package
 Proactive Platform Safety System® (PPSS)
 Xtra-Deck®
 Second Year Extended Warranty



MEC Aerial Work Platforms

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85-J Hybrid	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	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	5 ft. 5 in.	1.7 m
Weight** (Approximately)	37,500 lbs.**	17,009 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	Solid Rough Terrain	
Power		
Power Source	80v Battery Pack Plus Kubota Diesel	
Fuel Capacity	10 gal.	38 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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