



45-AJ

Articulated Diesel Boom

Full-Featured, Rugged, Simple, Reliable

- 51 ft. (15.5 m) Working Height with Standard 5 ft. (1.5 m) Jib for 120° Jib Range of Motion
- Continuous 360° Rotation
- Solid Rough Terrain Tires
- Standard 6 ft. (1.8 m) Platform Including 3-Sided Entry with Swing Gate
- Powerful 4WD and Oscillating Front Axle Standard
- Proven Double-Riser Boom with Vertical Envelope Through First 25 ft. (7.6 m)



Best in Class Productivity from Continuous Rotation

Standard Features

Work Area

- 6 ft. (1.8 m) Platform Work Basket
- 3-Sided Entry with Swing Gate
- 500 lb. (227 kg) Platform Capacity
- 160° Platform Rotation
- 120° Jib Range of Motion
- Power to Platform

Performance

- 360° Continuous Turntable Rotation
- 4WD Closed Loop Positive Traction Drive System
- 40% Gradeability
- Oscillating Axle
- Self-Leveling Platform
- Low Engine RPM Elevated Operation
- Two-Speed Drive Motors
- 51 ft. (15.5m) Working Height
- Full Drive Height

Control System

- Triple Joystick Interface
- Fully Proportional Multi-Function Controls

Power

- 48HP Kubota Diesel Engine

Safety

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

Other Features

- Hour Meter
- Machine Tie-Downs and Lifting Lugs
- Powder Coat Finish
- Lanyard Attachments
- Standard Oil Cooler
- Standard Solid RT Tires
- Flashing Beacon

Optional Features

- 3.5 KW AC Generator
- PPSS - Proactive Platform Safety System
- 7.5 kW Welder-Ready Generator
- Second Year Extended Warranty



MEC Aerial Work Platforms

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45-AJ Diesel	U.S.	Metric
Heights		
Working Height*	51 ft.	15.5 m
Platform Height	45 ft.	13.7 m
Maximum Outreach	25 ft. 1 in.	7.6 m
Up and Over Height	24 ft. 6 in.	7.5 m
Turntable Swing	Continuous	
Jib Range of Motion	65° Up / 55° Down	
Platform Rotation	160° (80° Each Side)	
Platform Size & Capacity		
Total Lift Capacity	500 lbs.	227 kg
Personnel Capacity	2	
Platform Width	72 in.	1.8 m
Platform Depth	40 in.	1.0 m
Platform Entry	1 End Swing Gate, 2 Slide Bars	
Dimensions		
Length-Stowed (Overall)	23 ft. 10 in.	7.3 m
Width	91 in.	2.3 m
Overall Height	96 in.	2.5 m
Tailswing	Zero	
Weight (Approximately)	16,380 lbs.	7430 kg
Working Conditions		
Drive	4 Wheel Drive	
Gradeability	40%	
Ground Clearance	12 in.	30 cm
Axle Oscillation	20° (10° Each Direction)	
Tires	Solid (Non-marking Optional)	
Power		
Power Source	48 HP Kubota Diesel	
Fuel Capacity	24 gal.	90 l
Hydraulic Oil Capacity	49 gal.	185 l
Movement		
Turning Radius (Inside/Outside)	6 ft. 6 in./16 ft. 1 in.	2.0 m/4.9m
Drive Speed	3.8 mph	6 kph
Lift Speed (Main Boom/Mid Boom)	34 Seconds/38 Seconds	
Boom Extend Speed	21 Seconds	
Jib Lift Speed	22 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.

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 A92.5-2006 and CSA B354.4-02 as applicable.

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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