



**BOOM LIFT**

ARTICULATED BOOM

# 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



45-AJ	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.		

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**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.

Distributed by:

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