

ENGINE POWERED ARTICULATING BOOM LIFTS

AB610J PLUS

Compliant with ANSI/CSA/EU standards

HIGHLIGHTS

Enhanced Working Performance

- Maintains leading performance in maximum working height, horizontal outreach, and up-and-over clearance
- Maximum platform capacity to 750 lbs (340 kg), enabling more tools and personnel, improving job efficiency
- Full-time Active oscillating axle and a tilt rating of up to 5° providing excellent trainability

Advanced Operator Experience

- Equipped with a 7" intelligent HMI display for smoother operation, easier maintenance, and enhanced user experience
- 4WD + 4WS high-performance configuration for excellent gradeability, off-road capability, and smooth maneuverability

Durable & Cost-Efficient

- Reinforced, optimized structural design improves durability and extends service life
- High parts commonality across models improves service efficiency and reduces total cost of ownership



Standard Features

Full-time oscillation axle	Four-wheel brake	7-in smart screen	Platform with swing gate
Continuous turntable rotation in 360°	Cylinder belows (Covers)	Fault diagnosis system	Overhead anti-collision device
Automatic platform leveling	Platform rotation function	Overload sensing system	Cup holders
Tilt protection system	Max allowable tilt angle at 5°	Drive enable system	Fully proportional joysticks
Flashing beacon	Horn & buzzer	Brake release	AC power to platform
Emergency stop system	Emergency lowering system	Manual storage box	

Options & Accessories

GPS tracking system	Solid tire	Non-marking tire
Platform work light	Four-wheel steering	Hydraulic generator
Platform half-height mesh	Platform full-height mesh	Platform anti-pinch rail
Glazier package (Window support bracket)		

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Model	AB610J PLUS (AB18J PLUS)
Dimensions	
Max Platform Height	60'11" (18.58 m)
Max Working Height	66'11" (20.40 m)
Max Horizontal Reach (551 lb/750 lb)	39'4"/35'1" (12 m/10.7 m)
Max Horizontal Working Envelope (551 lb/750 lb)	41'4"/37'1" (12.6 m/11.3 m)
Max Up and Over Clearance	26'2" (7.98m)
A Machine Length (Stowed/Transport)	28'10" (8.8 m)
B Machine Width (Stowed/Transport)	8'2" (2.49 m)
C Machine Height (Stowed/Transport)	8'4" (2.54 m)
D Wheelbase	8'2" (2.49 m)
Ground Clearance	1'5" (0.42 m)
Platform Size (L×W×H)	8' × 3' × 3'7" (2.44 m × 0.91 m × 1.1 m)
Performance	
Max Platform Capacity (Restricted /Unrestricted)	750 lbs/551 lbs (340 kg /250 kg)
Max Platform Occupants	2 persons
Drive Speed (Stowed)	0 ~ 3 mph (0 ~ 4.8 km/h)
Drive Speed (Raised)	0 ~ 0.68 mph (0 ~ 1.1km/h)
Gradeability	40%
Turntable Rotation	360° /Continuous
Platform Rotation	180°
Tilt Rating	5°
Turning Radius (Inside/Outside)- Two-wheel steering	7'10" / 18'3" (2.4 m/5.55 m)
Turning Radius (Inside/Outside)- Four-wheel steering	5'4" / 11'9" (1.63 m/3.59 m)
Turntable Tail-Swing	2'7"(0.78 m)
Max Allowable Side Force	90 lbf (400 N)
Max Allowable Wind Speed	28 mph (12.5 m/s)
Tire Spec/Type	355/55D625 (foam-filled) 36×14-20 (solid)
Power	
Drive × Steer	4 WD×2 WS (4 WS)
Engine	36.4 kW /2200 rpm/D2.9 L4 / Deutz /EU Stage V 36.4 kW /2200 rpm/D2.9 L4 / Deutz / EPA Tier 4F 36 kW/2500 rpm/F2.8CS449 / Cummins / China T4 43 kW/2500 rpm/QSF2.8T3NA60 / Cummins /China T3、 EU Stage 3A 36.8 kW/2200 rpm/YCF3050 / Yuchai /China T4 36.5 kW/2400 rpm/YCF3050 / Yuchai /China T3
Hydraulic Tank Capacity	34.3 gal (28.6 gal (UK)/130L)
Diesel Tank Capacity	26.4 gal (22.0 gal (UK)/100L)
System Voltage	12 V DC
Weight	
Overall Weight (2WS / 4WS)	20,944 lbs (9,500 kg)/21,208 lbs (9,620 kg)
Standards Compliance	
ANSI/CSA/EU	

