

ENGINE POWERED ARTICULATING BOOM LIFTS

AB18J PLUS (AB610J PLUS)

Compliant with GB/CE/EAC/AS standards

HIGHLIGHTS

Enhanced Working Performance

- Maintains leading performance in maximum working height, horizontal outreach, and up-and-over clearance
- Maximum platform capacity to 340 kg (750 lbs), enabling more tools and personnel, improving job efficiency
- Active oscillating function in both working and stowed states, and a tilt rating of up to 5°, providing adaptability to more rugged road surfaces and strong field operation ability

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 great gradeability, off-road capability, and smooth maneuverability

Durable & Cost-Efficient

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



Standard Features		
Full-time oscillation	Four-wheel brake	7-in smart screen
Continuous turntable rotation in 360°	Automotive sleeves for all pipes	Fault diagnosis system
Hydraulic leveling for platform	Platform rotation function	Weighing system
Tilt protection system	Max allowable tilt angle at 5°	Rear position and travel confirmation
Rotating warning light for safety warning	Buzzer	Voice broadcast
Emergency stop system	Emergency lowering system	Mechanical release for travel braking
Proportional control with 3 joysticks	Anti-pinch device	
Options & Accessories		
AC power device on platform	Solid tire	Non-marking tire
Platform with inward swinging gate (2.44 × 0.91 × 1.1 m)	Four-wheel steering	Hydraulic generator
Working light on the platform	Overhead anti-collision device	T-BOX(GPS)
Glazier kit bracket (for platform with inward swinging gate)	Tool box (for platform with inward swinging gate)	Manual storage box
Half-height guardrail (for platform with inward swinging gate)		

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Model	AB18J PLUS (AB610J PLUS)
Dimensions	
Max Platform Height	18.58 m (60'11")
Max Working Height	20.58 m (67'6")
Max Horizontal Reach (250 kg/340 kg)	12 m/10.7 m (39'4"/35'1")
Max Horizontal Working Envelope (250 kg/340 kg)	12.6 m/11.3 m (41'4"/37'1")
Max Up and Over Clearance	7.98m (26'2")
A Machine Length (Stowed/Transport)	8.8 m (28'10")
B Machine Width (Stowed/Transport)	2.49 m (8'2")
C Machine Height (Stowed/Transport)	2.54 m (8'4")
D Wheelbase	2.49 m (8'2")
Ground Clearance	0.42 m (1'5")
Platform Size (L×W×H)	2.44 m × 0.91 m × 1.1 m (8' × 3' × 3'7")
Performance	
Max Platform Capacity (Restricted /Unrestricted)	340 kg /250 kg (750 lbs/551 lbs)
Max Platform Occupants	2 persons
Drive Speed (Stowed)	0 ~ 4.8 km/h (0 ~ 3 mph)
Drive Speed (Raised)	0 ~ 1.1km/h (0 ~ 0.68 mph)
Gradeability	40%
Turntable Rotation	360° /Continuous
Platform Rotation	180°
Tilt Rating	5°
Turning Radius (Inside/Outside)- Two-wheel steering	2.4 m/5.55 m (7'10" / 18'3")
Turning Radius (Inside/Outside)- Four-wheel steering	1.63 m/3.59 m (5'4" / 11'9")
Turntable Tail-Swing	0.78 m(2'7")
Max Allowable Side Force	400 N (90 lbf)
Max Allowable Wind Speed	12.5 m/s (28 mph)
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	130 L (28.6 gal (UK)/34.3 gal (US))
Diesel Tank Capacity	100 L (22.0 gal (UK)/26.4 gal (US))
System Voltage	12 V DC
Weight	
Overall Weight (2WS / 4WS)	9,500 kg (20,944 lbs)/9,620 kg (21,208 lbs)
Standards Compliance	
GB/CE/EAC/AS	

