

ENGINE POWERED TELESCOPIC BOOM LIFTS

TB14J PLUS (TB460J PLUS)

Compliant with CE/ANSI/CSA/AS/EAC standards

PRODUCT HIGHLIGHTS

Easy Transport

- The three-section boom design benefits machine transport, allowing one container and a low-bed trailer to transport 2 machine units due to its compact transport length of only 5.88m

Heavy Load Capacity

- It inherits the perfect features of the Sinoboom Plus boom lifts series, with a leading three-stage heavy-load platform capacity of 454 kg when restricted, 340 kg and 250 kg when unrestricted. This capacity sets it apart from others in its class on the market

Excellent Rough Terrain Performance

- The active oscillating function is a standard feature across Sinoboom boom lifts, including TB14J Plus. It allows the machine to work and travel both in boom stowed and raised status on uneven and rough terrain ground while always keeping all four wheels in contact with the ground, even when one wheel drops into a pothole. This provides high stability and work efficiency for users at job sites
- With powerful 4-wheel drive and a 40% gradeability, it allows for travel on large slopes on most job sites

Proportional Controls

- The platform control box is equipped with 3 joysticks with full-proportional controls for boom lifting, telescoping, turntable rotation, and driving speed
- Operating with smooth starting and stopping will help you approach your job site target smoothly and precisely



Standard Features		
Active oscillating function	7-in display screen	4WD × 2WS
Proportional control with 3 joysticks	Automotive-grade sleeves for all pipes	Weighing system
Hydraulic platform leveling	AC power to platform	Emergency stop system
Tilt protection system	Max tilt rating to 5°	Emergency lowering system
Flashing beacon	Horn & buzzer	Fault diagnosis system
Footswitch	2.44m(8') platform with swinging gate	Telematics-ready connector
Manual storage box	Secondary guarding device	Foam-filled tires
Options & Accessories		
Solid tires/Solid non-marking tires	Foam-filled non-marking tires	1.45m (4'9") platform
1.83m(6') work platform	Half mesh (for platform with swinging gate)	Glazier kit (for platform with swinging gate)
AC generator	Overhead anti-collision device	Platform work light
12kW Hydraulic generator (Only Kubota V2403-CR-TIE4B-SBM-2 configuration is available)	9kW Hydraulic generator (Only Kubota V2403BM-DI-CT04 configuration is available)	Cold-weather heating package(Engine power ≥ 36kw)
Oil cooler(Engine power ≥ 36kw)		

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Model	TB14J PLUS (TB460J PLUS)
Dimensions	
Max Platform Height	14.1 m (46'3")
Max Working Height	16.1 m (52'10")
Max Horizontal Reach(Restricted/Restricted/Unrestricted)	9.1 m/10 m/10.9 m (29'10"/32'10"/35'9")
A Stowed Length	7.99 m (26'3")
B Stowed Width	2.3 m (7'6")
C Stowed Height	2.49 m (8'2")
Stowed Length (Transport)	5.88 m (19'3")
Stowed Width (Transport)	2.3 m (7'6")
Stowed Height (Transport)	2.81 m (9'3")
D Wheelbase	2.3 m (7'6")
Ground Clearance	0.35 m (1'1.8")
Platform Size (L×W×H)	2.44 m×0.91 m×1.1 m (8'×3'×3'7")
Performance	
Max Platform Capacity(Restricted/Restricted/Unrestricted)	454 kg/340 kg/250 kg (1,000 lbs/749 lbs/551 lbs)
Max Platform Occupants(Restricted/Unrestricted)	3 Persons/2 Persons
Drive Speed (Stowed)	0 ~ 5.5 km/h (0 ~ 3.42 mph)
Drive Speed (Raised)	0 ~ 0.8 km/h (0 ~ 0.5 mph)
Gradeability	40%
Turntable Rotation	360° /Continuous
Platform Rotation	160°
Tilt Rating	5°
Turning Radius (Inside/Outside)	1.82 m/4.78 m (6'/15'8")
Turntable Tail-Swing	0.98 m (3'3")
Max Allowable Side Force	400 N (90 lbf)
Max Allowable Wind Speed	12.5 m/s (28 mph)
Tire Spec/Type	33×12D610 (foam-filled)
Power	
Drive × Steer	4WD × 2WS
Engine	18.4 kW/3000 rpm/ 3TNV80F-NXDSI /Yanmar/EU stage V、 EPA Tier 4F 18.2 kW /3000 rpm/ D1105-EF02_CN4 /Kubota/EU stage V、 EPA Tier 4F 43.2 kW/2400 rpm/ V2403-CR-TIE4B-SBM-2/Kubota/ EPA Tier 4 36 kW/2600 rpm/ V2403BM-DI-CT04/Kubota/ China IV
Hydraulic Tank Capacity	180 L (39.6 gal (UK)/47.6 gal (US))
Diesel Tank Capacity	140 L (30.8 gal (UK)/37 gal (US))
System Voltage	12 VDC
Weight	
Weight	7,300kg (16,093 lbs) (Engine power ≤ 18.4kw) 7,560kg (16,667 lbs) (Engine power ≥ 36kw)
Standards Compliance	CE/ANSI/CSA/AS/EAC

