

ENGINE POWERED TELESCOPIC BOOM LIFTS

TB39RJ PLUS (TB1290RJ PLUS) / TB42RJ PLUS (TB1370RJ PLUS)

Compliant with CE standards

HIGHLIGHTS

Brand-New X-chassis Platform

- Diesel and electric power models are developed and designed on the same platform, with a high degree of modularity and versatility
- Optimized new structure design, product stability and reliability greatly improved

Strong Operational Performance

- 480kg (Restricted) / 340kg (Restricted) / 250kg (Unrestricted) 3 levels of load capacity to meet the needs of multiple working scenarios
- The jib can move horizontally, making operation flexible and efficient.
- Maximum tilt rating up to 5°

Low Transportation Cost

- Can be transported directly in containers
- The length does not exceed that which can be transported by a flatbed truck



Standard Features		
Jib rotation	Four-wheel brake	4WD × 4WS
Continuous turntable rotation in 360°	7-in smart screen	Fault diagnosis system
Anti-pinch device	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	Horn and buzzer for safety warning	Secondary guarding device
Emergency stop system	Emergency lowering system	Mechanical release for travel
Proportional control with 3 joysticks	Automotive sleeves for all pipes	Swing-out engine tray
Anti-restart protection for engine	Automatic engine shutdown in case of malfunction	Engine preheating
Two-speed travel motor	Divider/combiner anti-slip system	Manual storage box
Platform with inward swinging gate (2.44×0.91×1.1 m)	Oil cooler	
Options & Accessories		
AC power line to the platform	Solid tire	Non-marking tire
Telematics-ready connector	Working light on the platform	Anti-collision device
Hydraulic generator	Glass bracket (for platform with inward swinging gate)	Tool box (for platform with inward swinging gate)
Half-height guardrail (for platform with inward swinging gate)		

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Model	TB39RJ Plus (TB1290RJ Plus)	TB42RJ Plus (TB1370RJ Plus)
Dimensions		
Max Platform Height	39.2 m (128'7")	41.6 m (136'6")
Max Working Height	41.2 m (135'2")	43.6 m (143'0.5")
Max Horizontal Reach (Restricted/ Restricted /Unrestricted)	22.1 m / 23 m /24.1 m (72'6"/75'6"/79'1")	22.1 m / 23 m / 24.1 m (72'6"/75'6"/79'1")
Max Horizontal Working Envelope (Restricted/ Restricted /Unrestricted)	22.7 m / 23.6 m / 24.7 m (74'6"/77'5"/81')	22.7 m / 23.6 m / 24.7 m (74'6"/77'5"/81')
A Stowed Length / Stowed Length (Transport)	15.24 m (50') / 11.94 m (39'2")	15.24 m (50') / 11.94 m (39'2")
B Stowed Width	2.49 m (8'2")	2.49 m (8'2")
C Stowed Height	2.84 m (9'4")	2.84 m (9'4")
D Wheelbase (Outrigger Retracted/Extended)	4.4 m / 3.99 m (14'5"/13'1")	4.4 m / 3.99 m (14'5"/13'1")
Ground Clearance	0.48 m (1'7")	0.48 m (1'7")
Platform Size (L×W×H)	2.44 m×0.91 m×1.1 m (8'×3'×3'7")	2.44 m×0.91 m×1.1 m (8'×3'×3'7")
Performance		
Max Platform Capacity (Restricted/ Restricted /Unrestricted)	480 kg / 340 kg / 250 kg (1,058 lbs/749 lbs/551 lbs)	480 kg / 340 kg / 250 kg (1,058 lbs/749 lbs/551 lbs)
Max Platform Occupants (Restricted/ Restricted/Unrestricted)	3 persons and tools / 2 persons and tools / 2 persons and tools	3 persons and tools / 2 persons and tools / 2 persons and tools
Drive Speed (Stowed)	0 ~ 4.4 km/h (0 ~ 2.7 mph)	0 ~ 4.4 km/h (0 ~ 2.7 mph)
Drive Speed (Raised)	0 ~ 0.7 km/h (0 ~ 0.43 mph)	0 ~ 0.7 km/h (0 ~ 0.43 mph)
Gradeability	40%	40%
Turntable Rotation	360° /Continuous	360° /Continuous
Platform Rotation	180°	180°
Jib Rotation	235° (left 160° /right 75°)	235° (left 160° /right 75°)
Tilt Rating	5°	5°
Turning Radius(Inside/Outside)- Outrigger retracted	3.98 m / 6.37 m (13'/20'11")	3.98 m/6.37 m (13'/20'11")
Turning Radius(Inside/Outside)- Outrigger extended	1.89 m / 5.22 m (6'2"/17'2")	1.89 m/5.22 m (6'2"/17'2")
Turntable Tail-Swing	1.64 m(7'7")	1.64 m(7'7")
Max Allowable Side Force	400 N (90 lbf)	400 N (90 lbf)
Max Allowable Wind Speed	12.5 m/s (28 mph)	12.5 m/s (28 mph)
Tire Spec/Type	445 / 50D710 18PR (foam-filled)	445 / 50D710 18PR (foam-filled)
Power		
Drive × Steer	4 WD × 4 WS	4 WD × 4 WS
Engine	54 kW/2400 rpm/QSF2.8t3TC72/Cummins/China T3 55.8 kW/2200 rpm/YCF3075-T480/Yuchai/China T4	54 kW/2400 rpm/QSF2.8t3TC72/Cummins/China T3 55.8 kW/2200 rpm/YCF3075-T480/Yuchai/China T4
Hydraulic Tank Capacity	280 L (61.6 gal (UK)/74 gal (US))	280 L (61.6 gal (UK)/74 gal (US))
Diesel Tank Capacity	200 L (44.0 gal (UK)/52.8 gal (US))	200 L (44.0 gal (UK)/52.8 gal (US))
System Voltage	12 V DC	12 V DC
Weight		
Weight	22,280 kg (49,119 lbs)	22,400 kg (49,383 lbs)
Standards Compliance	CE	

