

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 rotates, 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
Telematics-ready connector	Platform rotation function	Weighing system
Tilt protection system	Max allowable tilt angle at 5°	Rear position and travel confirmation
Flashing Beacon	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
Tool box (for platform with inward swinging gate)	Working light on the platform	

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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	

