

Truck Mounted Concrete Boom Pump

The truck mounted concrete boom pump is designed for efficient and precise concrete placement in construction. It features a multi-section boom for extended reach and easy maneuverability.



Overview



The TP56RZ6 features a stable 6-section boom configuration for versatile job site application.

High-Efficiency Concrete Placement

The TP56RZ6 is a professional-grade truck-mounted concrete boom pump engineered for high-rise and large-scale infrastructure projects. Featuring a robust 6-section boom system, it offers a vertical reach of 56 meters and excellent maneuverability for precise concrete delivery. Designed with advanced energy-saving and anti-vibration technologies, it ensures reliable, efficient, and safe operation for demanding construction environments.

Technical Specifications



High-strength wear-resistant piping and double-layer elbows increase service life by 50%.

Performance Metrics

56 m

Vertical Reach

51 m

Horizontal Reach

180 m³/h

Max Theoretical Output (Low Pressure)

12 MPa

Max Theoretical Pressure (High Pressure)

Pumping System Details

Parameter	Value
Distribution Valve	S Valve
Hydraulic System Pressure	32 MPa
Concrete Cylinder (Bore x Stroke)	260x2100 mm
Delivery Line Diameter	DN125
Hopper Capacity	700 L

Chassis and Dimensions

Dimensions and Weight

- Overall Dimensions: 13820 x 2550 x 4000 mm
- Total Weight: 44,000 kg
- Axle Configuration: 8x4
- Wheelbase: 1950 + 4500 + 1400 mm

Key Features

Advanced Technologies

Self-Adaptive Energy Saving, Boom Anti-Vibration Technology, Self-Diagnostic Monitoring, Swing Cylinder Automatic Relief, One-Button Twin Piston Return

Safety



Integrated self-diagnostic and safety monitoring systems provide real-time operational feedback.

Safety Systems

Vehicle Tilt Sensor • Outrigger Limit Switch • Rotary Encoder • Cylinder Locking Function • Emergency Stop Mechanism