

51-Meter Concrete Placing Boom, 4-Section Arm

This concrete placing boom has a 51-meter reach for extensive coverage on large construction sites. Its four-section boom design provides flexibility in navigating obstacles and reaching challenging areas.



ADDITIONAL IMAGES



Overview

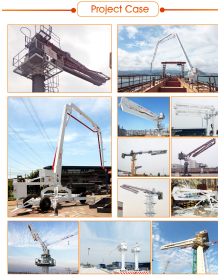


The PB51AT-4R-E features a robust articulating arm for flexible concrete placement in hard-to-reach areas.

High-Reach Concrete Placement Solution

The PB51AT-4R-E is a high-performance lattice tower placing boom designed for precise concrete distribution in large-scale construction projects like high-rise buildings and bridges. Featuring a 51-meter reach and a 4-section articulating arm, it offers exceptional maneuverability to navigate complex job site obstacles. The system integrates electro-hydraulic proportional control and radio remote operation to ensure smooth, stable, and efficient concrete delivery with minimal manual labor.

Key Performance Metrics



Stationary application showing the 51-meter reach in a real-world project case.

Key Performance Metrics

51 m

Max Placing Radius

46 m

Free Standing Height

360 °

Slewing Range

37.5 kW

Motor Power

Boom Configuration

Boom Section Specifications

Section	Length (m)	Articulation Angle
1st Section	21.5	0°~86°
2nd Section	9.8	0°~180°
3rd Section	9.8	0°~180°
4th Section	9.9	0°~180°

Technical Specifications

Delivery System

- Pipeline Diameter: 1133x 4.5 mm
- Delivery Hose: 5" x 3000 mm
- Hydraulic System Pressure: 30 MPa
- Slewing Mode: Gear Slewing

Operating Environment	Temperature range from -20°C to 55°C
Power Supply	380V / 50Hz (Customizable)

Physical Data

Total Weight	66000 kg
Max Lifting Unit	14800 kg
Mast Section (L68A1)	(2 × 2 × 3) × 12 m

Features & Technology

主要特点 MAIN FEATURES

- 将塔机的塔身与布料机的上装结合,既具有塔机自身加节的功能,又具有布料机布料的功能。
Combining the tower body and boom assembly, which fully exhibits their respective: tower body can be added mast section to lengthen the height and boom can place the concrete.
- 配有起升机构,在爬升加节时,能自身起吊标准节。
Equipped with lifting mechanism, it can lift mast section by itself standing height.
- 配备无线遥控操作方式,操作轻松方便。
Radio remote control, easy to operate.
- 液压电气元件采用国内外知名品牌,设备质量稳定可靠。
The main electronic components are products of the world-famous brand, with high-quality.
- 电比例控制技术,臂架动作冲击更小,工作更平稳。
Electro-hydraulic proportional control technology, work smoothly with more stable.

Equipped with radio remote control and electro-hydraulic proportional technology for smooth operation.

Control & Operation

Radio Remote Control, Electro-hydraulic Proportional Control, Self-Lifting Mechanism, Telescopic Cage with Pump/Cylinder

Compliance & Quality

Quality Standards

ISO 9001:2015 • CE Certified • GB/T19001-2016 • Machinery Directive Compliant