

# Luffing-Jib Tower Crane

This tower crane features an integrated electrical system with error-proof aviation plugs and an intelligent control system. Its modular structure has a high component module rate, and it includes a quick-assembling hoisting jib and counter jib.



## Overview



The P Series Luffing Jib Tower Crane features a robust structure and advanced control systems for exceptional lifting capacity.

### High-Performance Luffing-Jib Tower Crane

This luffing-jib tower crane is engineered for efficient lifting and precise material handling in congested urban construction environments. It features a highly integrated electrical system for plug-and-play installation and intelligent control mechanisms that allow for millimeter-level low-speed positioning. With a modular design that ensures high interchangeability of components, this crane offers both operational safety and versatile adaptability for various high-rise and heavy lifting projects.

## Key Features

### Design Advantages

- Highly-integrated electrical system harness with error-proof aviation plugs
- Integrated control and monitoring system in the cab
- Modular structure with 80% component interchangeability
- Quick-assembling structure for hoisting and counter jibs
- High standard design with 1.5x static and 1.3x dynamic load coefficients

### Intelligent Control System

Zero-speed brake, Variable load control, Variable speed control, Anti-shaking protection, Anti-overload protection, Anti-topping protection

## Technical Specifications

### Model Specifications

Model	Tower Section (m)	Max Radius (m)	Max Load (t)	Rated Moment (kN-m)
P5015-8A	1.6x1.6x3.0	50	8	1250
P5023-8A	1.6x1.6x3.0	50	8	1500
P5023-10A	1.6x1.6x3.0	50	10	1500
P5522-12A	2.0x2.0x3.0	55	12	1750

### Operational Metrics

**80 %**

Component Commonality

**1.5 x**

Static Load Coefficient

**1.3 x**

Dynamic Load Coefficient