

# High-Capacity Tower Crane

This tower crane utilizes advanced technology in its structural design and control systems. Its components are designed with 3D software and force calculation software to ensure safety and performance.



## ADDITIONAL IMAGES



## Overview

### High-Capacity Tower Crane TC7021

The TC7021 is a robust, high-capacity tower crane engineered for demanding high-rise construction and large-scale infrastructure projects. It features an adjustable working range up to 70 meters and a significant maximum lifting capacity of 12 tons, ensuring versatile material handling. With advanced hoisting, trolleying, and slewing mechanisms, it delivers precise control and efficient site operation across a wide range of environmental conditions.

## Performance Specifications

### Key Performance Metrics

**12 t**

Max Lifting Capacity

**70 m**

Max Reach

**2.1 t**

Tip Load at 70m

**200 m**

Max Height

## Technical Details

### Operating Mechanisms

Mechanism	Speed	Motor Power
Hoist	0-85 m/min	45 KW
Trolleying	0-60 m/min	5.5 KW
Slewing	0-0.6 r/min	7.5 KW

### Operational Ratings

Working Temp: -40 to +60°C, Independent Height: 54m, Counterweight: 21.3t

## Electrical Requirements

### Power Requirements

- Generator Requirement: 220 KVA
- Transformer Booster: 235 KVA
- Startup: 361V / 260A
- Rated: 380V / 150A