

# Mobile Crane Technical Specifications

This document provides detailed technical specifications for a mobile crane. It includes information on lifting capacity, height, boom length, and engine performance.

最大起重重量 Max. Lifting Capacity	kg	16000
最大起升高度 Max. Lifting Height	m	38.5
总长 Length	m	4.9/9.8-30.5
臂长 Jib Length	m	7.5
最大起重力矩 Max. Lifting Moment	kN.m	696
最大起升速度(标准) Max. Lifting Speed (Standard)	m/min	100
回转速度 Swinging Speed	r/min	2.5
爬坡能力 Climbing Ability	m	11.99 x 2.5 x 3.35
整机重量 Total Weight	t	24
发动机型号 Engine Model		6C215-2 / WD415.21 / SC8DK23003
最大功率 Max. Power of Engine	kW (hp/kVA)	158 (220) / 155 (210) / 170 (230)
最大转矩 Max. Torque of Engine	kN.m (lbf.ft)	79 (120) / 82 (140) / 83 (140)
最小转弯直径 Min. Turning Diameter	m	25 / 25 / 30
最大行驶速度 Max. Traveling Speed	km/h	24 / 25 / 30
最高行驶速度 Max. Traveling Speed	km/h	70 / 70 / 70
接近角 Approach Angle	(°)	21 / 21 / 21
离去角 Departure Angle	(°)	13 / 13 / 10
轴距 Wheelbase	m	4.5/5.4 / 4.5/5.4 / 4.5/5.4



## Overview

### Mobile Crane Overview

This high-performance mobile crane is engineered for demanding lifting operations, offering a robust maximum lifting capacity of 16,000 kg. With a versatile main boom length extending up to 30.5 meters and a maximum lifting height of 38.5 meters, it provides excellent reach and flexibility for construction and industrial sites. The unit is powered by a reliable engine delivering up to 170 kW, ensuring efficient performance across various challenging terrains and operational requirements.

## Lifting Performance

### Max Rated Lifting Capacity

**16000 kg**

Max Lifting Capacity

### Boom Configuration

- Main Boom: 4 sections, 9.8-30.5m
- Jib Length: 7.5m

### Max Lifting Height

38.5 m

## Engine & Performance

### Engine Specifications

Model	Power (kW)	Max Torque (N.m)
6C215-2	158	790
WD415.21	155	820
SC8DK23003	170	830

### Travel Performance

- Max Travelling Speed: 70 km/h
- Max Gradeability: 24-26%
- Min Turning Diameter: 20m

## Dimensions & Weight

### Dimensions and Weight

- Outline Dimensions: 11.99 x 2.5 x 3.35 m
- Weight: 24 t
- Outrigger Span: 4.6/5.4 m

## Operating Parameters

### Operational Speeds

- Hoist Speed (Single Rope): 1.00 m/min
- Slewing Speed: 2.5 r/min

### Approach and Departure Angles

Approach Angle: 21° • Departure Angle: 10°