



TTC025G

汽车起重机
TRUCK CRANE



OCCUR GROUP
Imagination at Work



《长江》汽车起重机全面跨越

长江TTC-G起重机系列 高配置 高性能
满足用户特别需求

CHANGJIANG TRUCK CRANE COMPREHENSIVE PROMOTION

CHANGJIANG TTC-G CRANE SERIES
HIGH PERFORMANCE
HIGH CONFIGURATION



公司简介

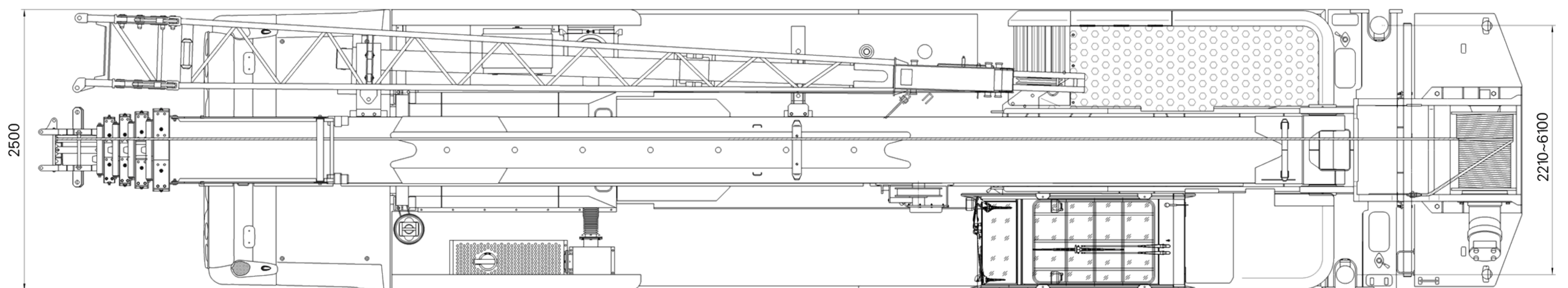
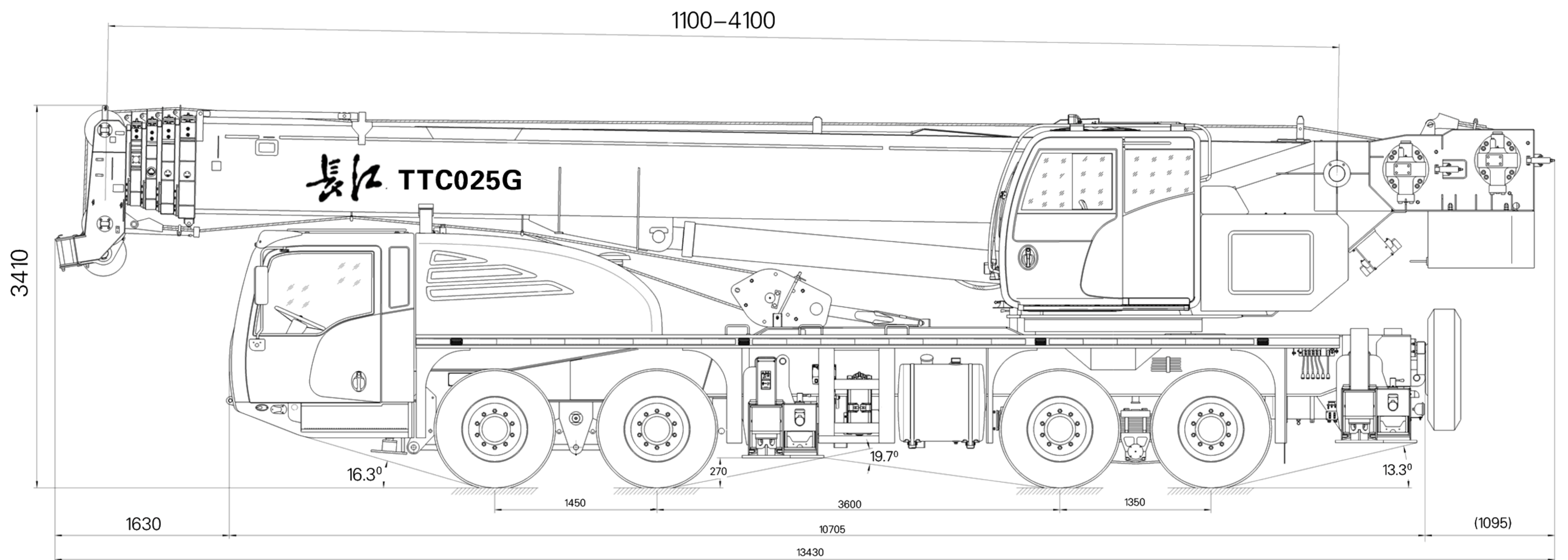
四川长江工程起重机有限责任公司位于中国历史文化名城四川省泸州市,地处成渝经济带的中间区域,物质资源丰富,地理条件优越。公司具有40多年的汽车起重机和其它工程机械产品的生产制造历史,是中国著名的汽车起重机企业。公司始终坚持科技领先的战略,通过技术引进、技术创新和不断的技术改造,其技术开发实力、生产制造能力、产品品种结构和质量控制能力处于同行业领先地位。目前,公司资产总值5亿多元,生产占地23万多平方米,设备1300多台,员工1900多人,是四川省科技先导型企业和中国机械工业500强之一。公司已通过国家一级计量单位认证、产品3C认证和ISO9001—2000质量体系认证,产品起吊能力为8~160吨级,年产起重机规模达2000台。
“长江”牌全液压系列汽车起重机融汇了美欧产品的先进性和日本产品的适用性,以其先进的技术、可靠的质量经受了市场的检验,并成长为中国汽车起重机行业的知名品牌,是国内设计制造全液压汽车起重机系列最全、规模宏大的现代化大型工程机械企业之一。
2012年,中国机械工业集团有限公司(国机集团)旗下的国机重工以增资方式控股长起,使长起公司完成了一次质的蜕变和飞跃。并购后的长起公司,将整体搬迁到泸州机械工业集中发展区,在机械发展区购置土地,建设新厂房,添置新设备,形成新的液压汽车起重机生产能力,新厂区建成后公司年生产能力将达到3000台,5年内达到50亿元以上的销售规模。

BRIEF INTRODUCTION

Located in Luzhou, Sichuan Province, a famous historical and cultural city in the center of Chengdu-Chongqing economic belt, Sichuan Changjiang Engineering Crane Co., Ltd. enjoys rich resources and a superior geographical location. As a renowned auto crane manufacturer in China, Changjiang boasts over four decades' history of manufacturing auto cranes and other construction machinery products, and persists in the strategy of technological leadership. Through technology introduction, technological innovation and constant technological renovation, the company has played a leading role in the industry in terms of technical strength, manufacturing capacity, product structure and quality control. With total assets of over 500 million yuan, a production area of over 230,000 square meters, over 1,300 units of equipment and over 1,900 workers, the company is one of Sichuan's technology-oriented enterprises and China's top 500 machinery manufacturers. The company has passed the national certification for first-class measuring entities, 3C product certification and ISO9001:2000 quality system certification, and manufactures 2,000 cranes with a lifting capacity of ranging from 8t to 160t every year.
“Changjiang” full-hydraulic auto crane integrates the advancement of U.S. and European products with the applicability of Japanese products, and has stood the tests of the market by advanced technology and reliable quality, thus growing into a renowned brand in China's auto crane industry. Changjiang may be rated as one of the large-sized domestic modern construction machinery enterprises that design and manufacture the most complete range of fullhydraulic auto cranes.
In 2012, China Sinomach Heavy Industry Corporation under China National Machinery Industry Corporation (Sinomach) held a stake in Changjiang by increasing capital, bringing about a qualitative leap in the company. Upon the acquisition, the company will be entirely relocated to Luzhou Integrated Development Zone for Machinery Industry, purchase land in the zone, construct new plant buildings, add new equipment and form the new production capacity of hydraulic auto cranes. After the new plant is built up, the company's annual production capacity will reach 3,000 units and annual sales will top 5 billion yuan within five years.

起重机外形尺寸 CRANE DIMENSIONS

TTC025G



规格参数 SPECIFICATIONS

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起重机总重量 Crane Weights

Gross vehicle weight (GVW) · 车辆总重量 (GVW) 33070Kg

桥负荷 Axle Loads

Steering axle (axle 1) · 转向桥 (桥 1) 7500 Kg

Drive axles (axle 2 and 3) · 驱动桥 (桥 2 和 3) 25390 kg

通过性参数 Ground Clearances

Minimum ground clearance · 最小离地间隙 267mm

Ramp angle · 纵向通过角 15.9°

Approach angle · 接近角 18.5°

Departure angle · 离去角 13.6°

轴距 Wheel Base

Distance between axle 1 and 2 · 桥 1 和 2 之间的距离 4,225 mm

Distance between axle 2 and 3 · 桥 2 和 3 之间的距离 1,350 mm

轮距 Wheel Track

Axle 1 · 桥 1 2069 mm

Axle 2 and 3 · 桥 2 和桥 3 1830 mm

支腿跨距 Outrigger Dimensions

Longitudinal span · 纵向跨距 5.03 m

Transverse span · 横向跨距 6.1 m

支腿反力 Outrigger Forces

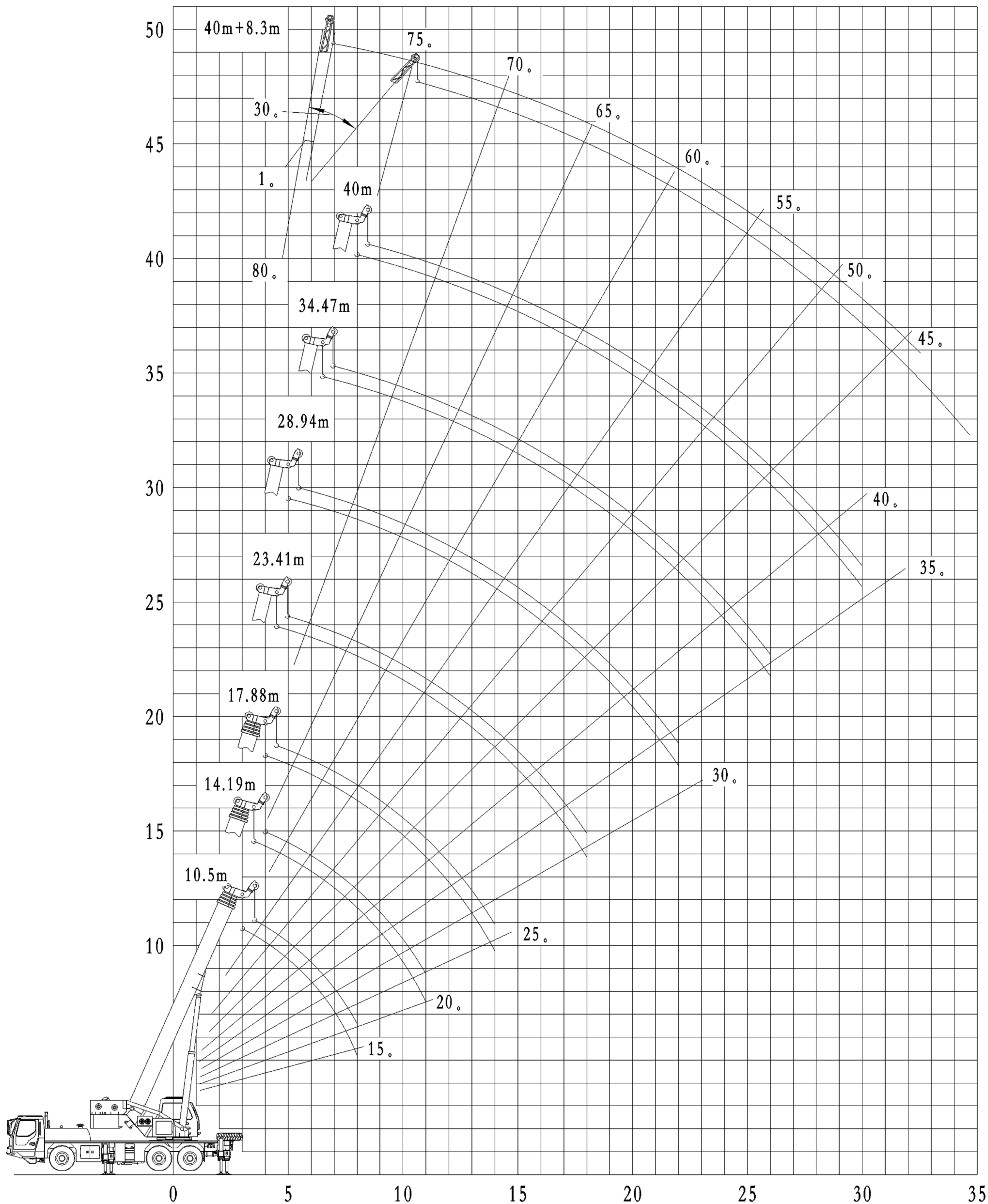
Maximum counterforce · 最大支反力 283.22kN

外形尺寸 Dimensions

(Length x Width x Height) · (长 x 宽 x 高) 12.66X2.5X3.44 m

起升高度 RANGE DIAGRAM

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起重量表 LOAD CHARTS

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kg

支腿全伸后方和侧方 支腿全伸+第五支腿360°作业 Working on rear and side with outriggers fully extended outriggers including the fifth one fully extended working on 360°										
工作幅度 RADIUS (m)	主臂 Main boom							主臂+副臂 Boom+Jib 40m+8.3m		
	臂长 BOOM LENGTH (m)							主臂仰角 boom angel of elevation	副臂安装角 JIB ANGLE	
	10.50	14.19	17.88	23.41	28.94	34.47	40.00		1°	30°
3.0	25000							80°	3000	1900
3.5	25000	23000						78°	2850	1900
4.0	24500	22000	18000					76°	2850	1800
4.5	22000	20500	17000	12000				74°	2800	1750
5.0	20000	19000	15700	12000	10000			72°	2700	1700
5.5	18000	17700	14700	11500	9500			70°	2600	1600
6.0	16000	16000	13700	10900	9000			68°	2450	1500
6.5	14200	14000	12800	10400	8500	7000		66°	2200	1420
7.0	12900	12700	12000	9800	8000	6800		64°	2000	1350
8.0	11000	10900	10600	8800	7600	6300	5500	62°	1750	1280
9.0		8900	8800	8000	6800	5800	5000	60°	1500	1210
10.0		7200	7100	7300	6200	5300	4800	58°	1280	1100
11.0		6000	5800	6600	5700	4900	4500	56°	1080	960
12.0			4850	5500	5250	4500	4150	54°	920	850
13.0			4100	4800	4900	4200	3850	52°	760	700
14.0			3450	4100	4500	3950	3580	50°	600	550
15.0				3500	3950	3700	3350	45°	290	260
16.0				3050	3450	3350	3150			
18.0				2280	2500	2750	2750			
20.0					2050	2200	2300			
22.0					1550	1700	1850			
24.0						1400	1450			
26.0						1060	1150			
28.0							900			
30.0							700			
32.0										
倍率 Part of line	8		6	5	4	3		1		
主臂最小仰角 min. boom angel of elevation					25°	35°	36°	45°		

说明 Notes

- 表中给定数值是在地面坚实,整机调平状态下,起重机的额定起重量。表中工作幅度是指吊载后的实际幅度。
- 臂长10.50米吊载时,各节臂应处于完全缩回状态。
- 表中额度起重量包括吊钩重量,主钩重300Kg,副钩重70Kg,若副臂处于展开状态,主臂起吊的重量还应减去400Kg。
- 当主钩在主臂头部时,使用副臂吊载的额定起重量应减去300Kg;使用臂尖轮滑吊载的各臂段额定起重量应减去300kg,但最大起重量为3000Kg;当副起重钩吊载的各臂段额定起重量应减去70Kg。
- 未使用第五支腿时,前方120范围不允许吊载。使用第五支腿时,可按表360吊载作业。
- 如果臂长超过表中某一栏规定数值时,应把该栏数值与比它更长一级臂长的数值相比较,按照其中教小的额定起重量进行作业。
- 表中最底栏列出各种臂长时的主臂终于仰角,严禁将起重臂变幅到所对应的最小仰角以下。

The values in table are rated lifting capacities of crane on solid ground and in a level state. The working radius in the table are actual radius after load lifting. The values above the bold line are based on crane strength, those below the bold line are based on crane stability. While lifting with boom length of 10.50 m each section must be fully retracted.

The tabulated load ratings includes weight of hooks, main hook is 300 kg and auxiliary hook is 70 kg. While the jib is in extension state the rated load capacity lifted by main boom must be reduced by 400 kg.

When the main hook is at the head of main boom: lifting with jib, the lifting capacities of jib must be reduced by 300 kg; When working with head pulley, the rated lifting capacities at each section must be reduced by 300 kg, but max. lifting capacities is 300 kg; Using main hook when auxiliary hook at the head of pulley of the boom tip, the rated lifting weight of each part of lifting boom should be reduced by 70 kg.


When the fifth outrigger is not in use, no lifting in front of 120° range. On the fifth outrigger, according to the tabulated rated lifting capacities in 360° range. If the boom length exceeds the specified values, comparing it's capacities with the next longer one's, the load to the lift whill be with in the smaller one's. The bottom column in the table lists all min. boom angle of elevation in various boom length. Elevating the boom below the corresponding min. angle of elevation is strictly for bidden.

技术描述

TECHNICAL DESCRIPTIONS

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起重量 Lifting Capacity

	Maximum rated capacity for main hook 主钩额定起重量	25 t
	Maximum rated capacity for auxiliary hook 副钩额定起重量	3 t
	Maximum load moment 最大起重力矩	980 kN.m

主臂和零件 Boom and Components





	Profile 截面形状	Octagonal 八边形
	Number of sections 节数	5
	Base boom length 基本臂长度	10.50 m
	Base boom maximum lift height 基本臂最大起升高度	10.57 m
	Base boom maximum working radius 基本臂最大作业半径	8 m
	Fully extended boom length 全伸臂长度	40 m
	Fully extended boom maximum lift height 全伸臂最大起升高度	40 m
	Fully extended boom maximum working radius 全伸臂最大作业半径	30 m

副臂 Jib

	Length of fully extended boom and fully extended jib 主臂、副臂完全伸出的长度	48.3 m
	Fully extended boom maximum lift height with jib 安装副臂最大起升高度	49.23 m
	Fully extended boom maximum working radius with jib 安装副臂最大作业半径	34.6 m
	Slewing speed 回转速度	2.0 rpm

TECHNICAL DESCRIPTIONS

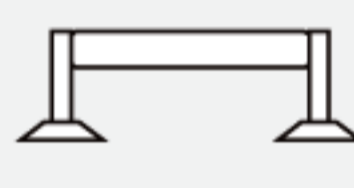

起升机构工作速度 Winch Performance

		Main hoist – 3rd layer – single rope speed 主卷扬 – 第三层 – 单绳速度	0–125 m/min
		Auxiliary hoist – 2nd layer – single rope speed 辅卷扬 – 第二层 – 单绳速度	0–125 m/min

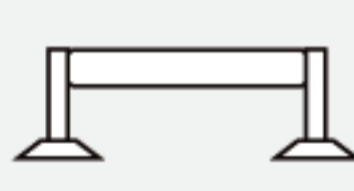

起重臂工作速度 Crane Boom Function Speeds

	Elevation – up 起臂	50 sec
	Elevation – down 落臂	50 sec
	Full extension 全伸	90 sec
	Full retract 全缩	90 sec

支腿工作速度 Outrigger Function Speeds

		Simultaneous full extension 同步伸出	50 sec
		Simultaneous full retract 同步收缩	60 sec

支腿操纵 Outrigger Controls

	Dual outrigger controls – LH and RH side 支腿操纵 – 左侧和右侧	Dual control 两侧操纵
	Ambient working temperature 作业温度	-20 °C – +40 °C

技术描述


TECHNICAL DESCRIPTIONS

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发动机和变速箱 Engine and Transmission

	Weichai power 潍柴动力	WP7.300E30
	Emission compliance 排放标准	National Exhaust Standard III 国家排放标准 III
	Number of cylinders 缸数	6
	Aspiration 进气	Turbocharged 涡轮增压
	Rated power 额定功率	220 kW @ 2500 rpm
	Maximum torque 最大扭矩	1100 Nm @ 1200–1600 rpm
	Estimated fuel consumption per 100 km 100 km 油耗	36 L
	Fuel type 燃油类型	Diesel 柴油
	Fuel tank capacity 燃油箱容积	270 L
	Lowest start temperature 最低启动温度	-30°C
	Dual intermediate Shaft Synchroniler Gearbox 双中间轴全同步器手动变速箱	Dual intermediate Shaft Synchroniler 双中间轴 全同步器

液压装置 Hydraulics

	Load sensing hydraulic system 负荷感应液压系统	Load sensing 负载感应
	Combined system with dual pump 带有四泵的组合系统	Double pump 泵
	Choice of hydraulic controls: 液压控制的选择: Pilot actuated multi-axis joystick controls 先导控制多轴操纵杆控制	Pilot joystick 先导式操纵杆

技术描述 TECHNICAL DESCRIPTIONS

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底盘及其部件 Chassis and Components

	Axle drive system 桥驱动系统	6 x 4
	Fifth outrigger for 360° boom operation 360° 作业的第五支腿	Fifth outrigger 第五支腿
	Minimum turning radius 最小转弯半径	10 m
	Maximum gradeability 最大爬坡度	39%
	Maximum traveling speed 最高行驶速度	75 km/h

驾驶室 Driver Cab

	Adjustable driver seat 可调式司机座椅
	Adjustable steering wheel 可调式方向盘
	Airconditioner and heater 空调和加热装置

操纵室 Operator Cab

	Adjustable seat 可调式座椅
	Load moment limiter display 载荷力矩限制装置的显示
	Airconditioner and heater 空调和加热装置

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生效日期: 2012年7月。产品技术参数和价格如有更改, 恕不另行通知。

Effective Date: July, 2012. Product specifications and prices are subject to change without notice or obligation.