



徐工徐工 助您成功
XCMG FOR YOUR SUCCESS

XGC350

CRAWLER CRANE
履带起重机



地址(Add): 中国江苏省徐州市金山桥经济开发区桃山路19号 邮编(Postal Code): 221004
No.19 Taoshan Road, Economic development zone of jinshanqiao, Xuzhou, Jiangsu Province, China
统一服务热线(Unified service hotline): 86 400-110-9999

销售热线Sales Hotline

销售电话(Sale Tel): 86 0516-87892094

销售传真(Sale Fax): 86 0516-87892074

电子邮件(E-mail): jjyxd@xcmg.com

服务质量投诉电话
(Quality Supervision Tel): 86 0516-87892587

服务热线Service Hotline

服务电话(Service Tel): 86 400-001-5678

服务传真(Service Fax): 86 0516-87892080

备件电话(Service Tel): 86 0516-87892086

备件传真(Service Fax): 86 0516-87892083



欢迎访问徐工商城
省心更省钱一站式



欢迎关注徐工履带起重机官方微信
1. 直接扫码“XCMG_xgj”增加好友。
2. 查找公众账号“徐工履带起重机”
3. 直接扫描上方二维码

—2021年10月版—

注: 出于产品不断改进的需要, 我们保留对产品型号、参数、配置进行变更的权力, 恕不另行通知。



CONTENTS

目录

P02	• 技术特点 Technical Features • 外形尺寸 Outline Dimension • 技术参数 Technical Parameters
P09	• 详细介绍 Brief Introduction • 代号说明 Notes on Codes • 机构用途Function of Mechanisms
P11	• 工况示意图 Working Condition Diagram • 工况说明表 Notes on Working Conditions • 主要工况特性 Main Working Conditions

02

XGC350履带起重机 XGC350 CRAWLER CRANE

P03-P05	技术特点 Technical Features
	1.起重能力强大卓越 1.Strong and excellent lifting capacity
	2.安全保障可靠先进 2.Reliable and advanced safety security
	3.无障碍全球化运输 3.Barrier-free global transportation
	4.拆装便利高效快捷 4.Convenient and efficient disassembly
	5.结构件精心整合 5.Elaborate integration of structural parts
	6.操纵室美观舒适 6.Beautiful and comfortable operator' s cab
	7.应用广泛不二选择 7.Wide application
	8.定制工况量体裁衣 8.Customized working conditions

P06-P06	外形尺寸 Outline Dimension
---------	---------------------------

P07-P07	技术参数 Technical Parameters
---------	------------------------------

技术特点
Technical Features

技术特点/Technical Features
最大额定起重量 350t，最大起重力矩 2400t·m。配有主臂、轻型主臂、塔式副臂、固定副臂、盾构副臂等五大类 17 种工况可选模式。起重能力的强大尤其表现在中长臂，让您购机“物”超所值。
Max. rated lifting capacity 350t, max. load moment 2400t.m. There are 17 working conditions in 5 categories, including boom working condition, light boom working condition, tower jib working condition, fixed jib working condition and TBM working condition. The lifting capacity for medium and long boom is particularly strong. It is excellent in quality and reasonable in price.
主臂最大长度 96m，轻型主臂最大长度 115.5m，塔式副臂最大长度 66m，固定副臂与盾构副臂通用，最大长度 12m。主臂臂架、塔臂臂架组合可配置单滑轮，工况适应强。超长的臂架组合，让您吊的更高，范围更广，确保购机“材”尽其能。
Max. boom length is 96m, max. light boom length is 115.5m, max. tower jib length is 66m, fixed jib is shared with TBM jib and the max. length is 12m. Main boom and tower jib can be equipped with a single top unit, with strong adaptability to working conditions. Super-long boom and jib combination provides higher lifting height and wider working range. Make sure the crane is fully used.
安全保障可靠先进/Reliable and advanced safety security
大底盘低重心设计，高强度材料焊接关键结构件，模块通用化部件确保主机的坚固与稳定。
Low center-of-gravity chassis, high-strength material welded structural parts and modular components are used to ensure the firmness and stability of basic crane.
大直径粗滚柱知名品牌回转支承，质量稳定可靠，承载能力储备足，寿命长。
Large-diameter slewing bearing is from well known brands, with stable and reliable quality, sufficient bearing capacity and long service life.
大截面大管径壁厚高强度钢管桁架臂、结合单双腰绳、花穿法绕绳，促使作业能力最大化。
Lattice boom is made of high strength steel pipe, with large cross section, big pipe diameter and thin wall thickness, combined with single/double center hitch and cross-winded wire rope, the operation capacity is maximized.
大扭矩模块化卷扬机构、高抗拉强度钢丝绳，单绳拉力大，穿绳倍率少，工作效率高。
Large-torque modular winch, high tensile wire rope, large single line pull and less parts of line, the working efficiency is very high.
大体积液压油箱，铝制散热器，油温上升慢散热好，有效延长了液压密封件使用寿命。
Large-capacity hydraulic oil tank, aluminum oil radiator, the oil temperature rises slowly with good heat dissipation effect, which effectively extends the service life of hydraulic seals.

大容积柴油油箱可配附件燃油箱、油料储备足、待机时间长，加油次数少，辅助时间短。
Large-capacity diesel tank with additional fuel tank, sufficient oil reserve, long standby time, less refilling times and short auxiliary time.
大功率非道路Ⅲ阶段排放发动机，动力强劲储备足，环保节能配预热器，可适应-20℃以下低温。
Large-power engine, in compliance with non-road stage III emission stand, strong power reserve, environment friendly and energy saving. Pre-heater is equipped for the operation in the temperature below -20℃.
赫思曼力矩限制器控制系统，防雷击保护抗干扰，能适应恶劣环境的可持续高强度作业。
Hirschmann LMI control system, with lightning protection and anti-interference function, it can be used for sustainable high-intensity work in harsh environment.
国内外知名品牌液压泵、马达、主阀等关键元件，为系统可靠运行提供了强劲有力的保证。
Hydraulic pump, motor, main valve and other key components used for this crane are with well-known brands at home and abroad, which guarantees the reliable operation of the system.
进行主泵直接调节马达速度控制，减少发热，动作柔和，系统稳定简单可靠。
The motor speed is directly adjusted by main pump, with less heat and gentle action. The system is stable, simple and reliable.
自润滑免维护支重轮、耐磨尼龙滑轮、人性化走台通道源自于产品的精益求精。
Self-lubrication and maintenance-free track roller, wear-resistant nylon pulley and humanized walking surface make the crane more perfect.

无障碍全球化运输/Barrier-free global transportation
适应世界范围通行道路法规要求，单件最大可拆解运输件重量 37.5t，运输宽度 3.0m，高度 3.3m。可适应严苛的公路运输标准，不仅为您解决适应未来道路运输标准提高之烦恼，还可降低运营转场成本。
To meet the requirements of worldwide road laws and regulations, the max. weight of a single unit in transport state is 37.5t, the transport width is 3.0m and the height is 3.3m. This meets stringent road transport standards, it not only make the customers free from the trouble of higher transport standards in future, but also reduce the cost of operation and site transfer.
模块化运输理念不仅能够包括拉板随臂转运、主-塔-副臂架中间节套装运输，还可实现塔臂三件套整体化运输、固定副臂 9m 基本臂一体化运输。
Modular transport concept is adopted, which not only include transporting pendant with boom and jib sections, and pushing boom insert, tower jib insert and fixed jib insert into each other for transportation, but also include the integrated transportation of tower jib triplet and fixed jib 9m section.

拆装便利高效快捷/Convenient and efficient disassembly
油缸式配重自拆装，优化平衡重，配重块尺寸小数量少，减少辅助吊装次数，安装方便。
Counterweight self-assembly/disassembly function, counterweight optimization, the counterweight is small in size and less in quantity, which not only reduce the lifting times, but also make it easy to install.
安全可靠的桅杆顶升机构，桅杆起落迅速便利，拆装时间短，工作效率高。
Safe and reliable mast raising mechanism, the mast can be raised and lowered quickly and conveniently, short assembly/disassembly time and high working efficiency.
使用桅杆吊可实现履带梁拆装、整车臂架连接拆装、小件吊装等。
Mast crane is used to realize the assembly and disassembly of crawler track, the connection and disconnection of boom and jib, and the hoisting of small pieces.
车架和履带梁、主臂和转台等主要部位动力销连接，拆装便利，劳动强度小。
Main parts of the crane (for example: car-body and track beam, boom and turntable) are connected with power pin, easy disassembly and low labor intensity.

结构件精心整合/Elaborate integration of structural parts
充分调研客户部件使用频率，为降低购机成本，对部件功能和数量进行合理整合及优化。如副起升卷扬在塔式工况下作为副臂变幅卷扬使用；主臂连接节可通用于主臂工况、塔式工况、固定副臂工况、盾构副臂工况；主臂变径节能实现主臂工况、轻型主臂工况的通用；塔臂顶节、中间节臂节通用于轻型主臂臂节；主臂拉板、塔臂拉板、固定副臂拉板通用化整合。
To reduce the purchase cost, the function and quantity of the crane parts are integrated and optimized reasonably after careful investigation. For example, auxiliary hoist winch can be used as jib luffing winch in tower jib working condition; boom connection section can be used in boom, tower jib, fixed jib and TBM working conditions; boom tapered section can be used in boom and light boom working conditions; tower jib top and tower jib insert can be used as light boom sections; boom pendant, tower jib pendant and fixed jib pendant are generally integrated.

操纵室美观舒适/Beautiful and comfortable operator's cab
人机工程学原理设计的全封闭豹头型徐工特色操纵室，外形流畅、视野开阔、美观大气，操作舒适。
Fully closed operator's cab is designed according to ergonomic principle, with XCMG features, smooth appearance and broad vision, it is beautiful and comfortable.
操纵室配置安全玻璃，安装间歇式雨刮及车窗清洗喷头，操纵室内有遮阳防晒帘、橡胶垫、头枕扶手及可调节座椅、冷暖空调等。
The cab is equipped with tempered safety glass, intermittent wiper, cleaning nozzle, sun shade curtain, rubber pad, headrest, armrest, adjustable seat, air conditioning and so on.

应用广泛不二选择/Wide application
隶属中吨位履带起重机，广泛应用如下领域：
It belongs to middle tonnage crawler crane, which is widely used in the following fields:
(1) 交通基础设施建设：地铁、高铁、道路、桥涵。
Traffic infrastructure construction: subway, high-speed rail, road, bridge.
(2) 城市建筑施工：市政、厂房、楼宇、场馆。
Urban building construction: municipal work, workshop, building, stadium.
(3) 能源设备安装：石化、炼油、冶金、煤炭。
Energy equipment installation: petrochemical work, oil refining, metallurgy, coal.
(4) 大件吊装转运：钢厂、船埠、码头、港湾。
Large parts lifting and transportation: steel mill, quay, wharf, port.
(5) 电力建设行业：风电、核电、火电、水电。
Power construction industry: wind power, nuclear power, thermal power, hydropower.

定制工况量体裁衣/Customized working conditions
胜任小幅度、高就位、大起重量特定要求。满足石化行业的塔、罐、釜、器、管、电、栏、廊等石化吊装需求；适应 1.5MW 风电设备吊装与维修要求。如 96m 主臂工况，幅度 12m，起重性能达 82.0t，重物吊高可达 92m；固定副臂 H84+F12 工况，幅度 14m，吊重能力 77.6t，重物吊高可至 92m。
It meets the specific requirements of small radius, high position and large lifting capacity. It can be used for the lifting of tower, tank, kettle, vessel, pipeline and etc. in petrochemical industry; it can also be used for the lifting and maintenance of 1.5MW wind power equipment. For example, in 96m boom working condition, the lifting capacity is 82.0t at the radius of 12m, and the lifting height is 92m. In H84+F12 fixed jib working condition, the lifting capacity is 77.6t at the radius of 14m, and the lifting height is 92m.
盾构工况专用设计，勿需单独购买专用附件，独立一机即可满足地铁盾构吊装，可双钩复合胜任直径 6m ~ 12m 盾构设备吊装翻身。如盾构工况 HB24+F9，主臂主钩单独吊载起重量 300t，副臂副钩单独吊载起重量 150t，主副钩联合吊装总载荷 221.7t。
Special design of TBM jib working condition can realize the shield lifting without the purchase of special accessories. The two hook blocks can be used at the same time to lift and turn over the shield equipment with 6m ~ 12m diameter. For example, in HB24+F9 TBM working condition, the load capacity of boom main hook in independent lifting is 300t, the load capacity of jib aux. hook in independent lifting is 150t, the total load capacity of the combined lifting of main and aux. hooks is 221.7t.

外形尺寸
Outline Dimension

回转机构/Slewing unit

不需辅助吊机，主副钩吊装可交替切换，单独一机能溜尾，方便桥梁基础建设时的钢筋笼翻转竖立吊装，起重量大，作业范围广，吊装就位高，设备使用少，占地空间小，工作效率高。如结合带主臂主钩和带副臂副钩的固定副臂工况副臂的固定副臂主副钩交替使用能够进行不大于副钩吊装能力的钢筋笼翻转竖立。固定副臂工况 HB84+F12_10°，主臂主钩单独吊载起重量 102.2t，副臂副钩单独吊载起重量 44t。

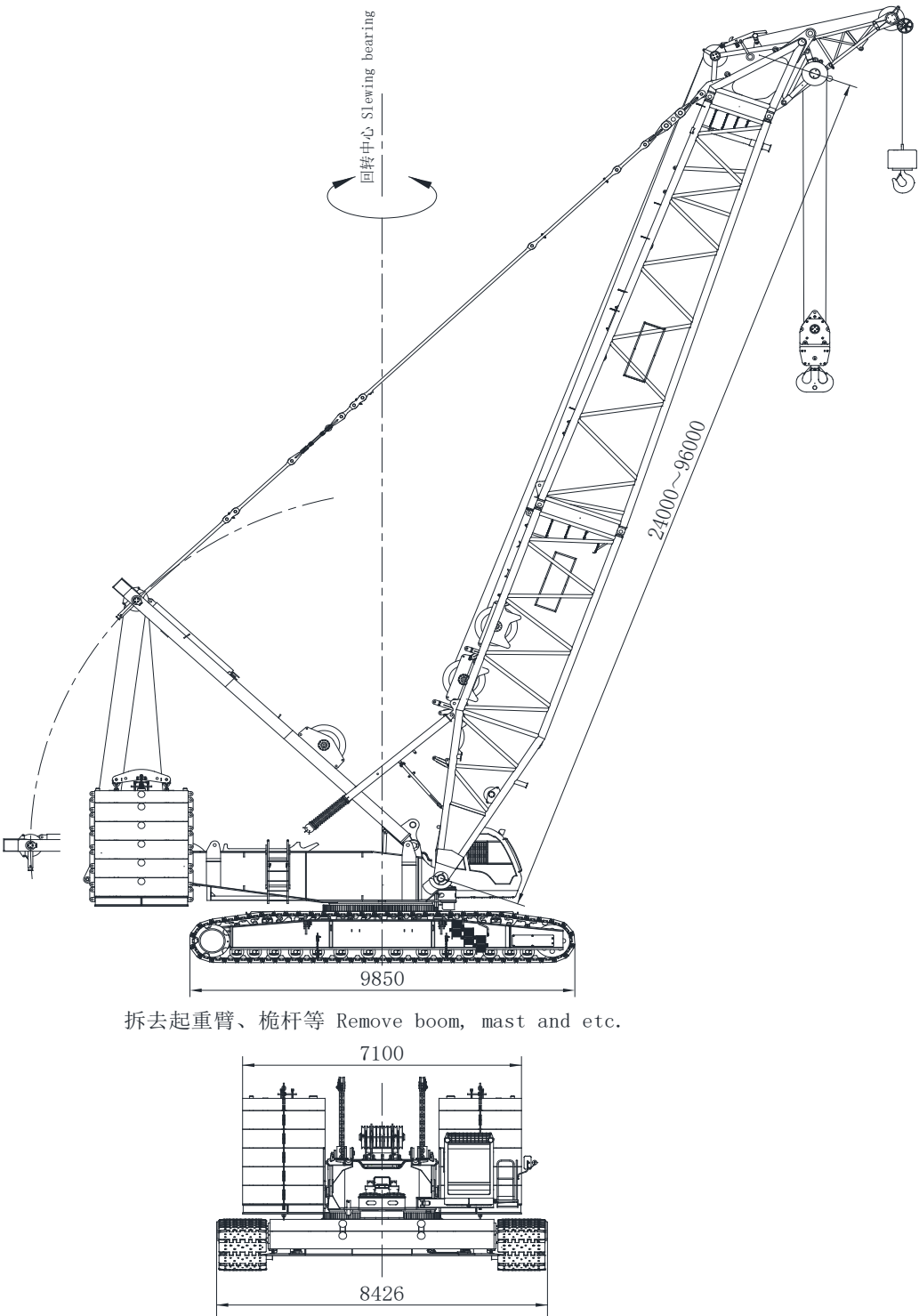
Main hook and auxiliary hook can be used alternately without the use of auxiliary crane. Tail dragging operation is achieved by using one crane, which facilitate the rotation and erection of steel reinforcement cage during bridge construction, with less equipment, small space occupation and high work efficiency. In fixed jib working condition with boom main hook and fixed jib aux. hook, if the two hook blocks are used alternatively, this crane can be used to rotate and erect the steel reinforcement cage whose weight is not higher the lifting capacity of the aux. hook. In HB84+F12_10 ° fixed jib working condition, the load capacity of boom main hook in independent lifting is 102.2t, the load capacity of fixed jib aux. hook in independent lifting is 44t.

塔式工况臂架配置长，满足钢构厂房建设需求，国内首次提供塔式工况下使用主臂主钩吊装载荷，具有塔臂单滑轮工况选项，满足特殊作业要求。如配置长度 HWS54m+42m 塔式工况，塔臂主钩能够吊载 56.7t，塔臂单滑轮第三钩吊载可达 16t。

Long boom configuration in tower jib working condition meets the construction demand of steel structure workshop. For the first time in China, in tower jib working condition, tower jib single top is configured when boom main hook is used for load lifting. For example, in HWS54m+42m tower jib working condition, the load capacity of tower jib main hook is 56.7, the load capacity of tower jib single top the third hook is 16t.

提供自成体系转台配重分级性能表，充分考虑客户经济购机及转运成本，让客户的工况使用更加丰富多彩。如：为适应船厂、码头、港口大件转运，充分发挥带载行走能力及降低油耗，可使用转台配重 90t，车身配重 50t 性能表。

Fully considering of the economic purchase and transfer cost, load charts based on different counterweight combinations are provided to enrich the working conditions for users. For example: for large parts transfer in shipyard, wharf and port, to give full play to the crane's travel-with-load ability and lower fuel consumption, 90t turntable counterweight and 50t car-body counterweight can be used.



拆去起重臂、桅杆等 Remove boom, mast and etc.

XGC 型 350t 履带起重机外形尺寸图
XGC350 crawler crane outline dimension

技术参数
Technical Parameters

项目 Item		单位 Unit	数值 Data
最大额定起重量 Max. lifting capacity	主臂工况 Boom working condition	t	350
	轻型主臂工况 Light boom working condition	t	100
	塔式副臂工况 Tower jib working condition	t	148
	固定副臂工况 Fixed jib working condition	t	145
	盾构工况(主副钩联合吊载) TBM jib working condition (combined lifting of main and aux. hooks)	t	221.7
最大起重力矩 Max. load moment		t.m	2400
尺寸参数 Dimension	主臂长度 Boom length	m	24 ~ 66(选配 96) 24 ~ 66(optional 96)
	轻型臂长度 Light boom length	m	73.5 ~ 97.5(选配 115.5) 73.5 ~ 97.5(optional 115.5)
	塔式副臂长度 Tower jib length	m	24 ~ 42(选配 66) 24 ~ 42(optional 66)
	固定副臂长度(选配) Fixed jib length (optional)	m	9(选配 12) 9(optional 12)
速度参数 Speed	起升最大单绳速度 Hoist winch max. single line speed	m/min	120
	主臂变幅最大单绳速度 Boom luffing winch max. single line speed	m/min	2 × 42
	塔臂变幅最大单绳速度 Tower jib luffing winch max. single line speed	m/min	120
	最大回转速度 Max. slewing speed	rpm	1.0
	最高行驶速度 Max. travel speed	km/h	1.0
发动机 Engine	额定功率 Rated power	kW	338
	排放标准 Emission standard	—	非道路国Ⅲ Non-road China III
整机重量 (基于 24m 主臂, 260t 吊钩, 配重 90t+50t) Gross vehicle mass (24m main boom, 260t hook, counterweight 90t+50t)		t	280
平均接地比压 Mean ground pressure		MPa	0.153
爬坡度 Grade ability		—	30%
运输状态可拆解单件最大质量 Max. mass of single unit in transport state		t	37.5
最大单件运输尺寸(长 × 宽 × 高)Max. dimension of single unit in transport state (L × W × H)		m	11.50 × 3.00 × 3.30
配置吊钩种类 Hook block configuration		t	260t、160t、16t

注释：
1. 钢丝绳速指卷筒最外工作层，发动机空载转动时的计算值，会依载荷与操作条件不同而变化。
2. 行走速度、爬坡能力、平均接地比压及回转速度是基于水平光滑坚实地面的理论计算值。
3. 表格数值为基于 135t 转台平衡重、50t 车身平衡重的配置参数。
4. 本公司保留对技术参数的更新更改权，如有变更恕不另行通知。
5. 推荐购机配置：主臂 66m+ 塔臂 42m，带主臂单滑轮，并可覆盖轻型主臂 97.5m，转台配重 130t，车身配重 50t。

Note:
1.Single line speed is the calculated value of the rope on the drum most outside layer with engine idle running, which changes according to different load and working conditions.
2.Travel speed, grade ability, mean ground pressure, slewing speed are the theoretical values for the crane based on level and solid ground.
3.The data in this table is based on 135t turntable counterweight and 50t car-body counterweight.
4.We reserve the right to improve and update the technical specifications without prior notice.
5.Recommended crane configuration: 66m boom + 42m tower jib, with boom single top, 97.5m light boom, 130t turntable counterweight, 50t car-body counterweight.



XGC350履带起重机
XGC350 CRAWLER CRANE

P10–P16	详细介绍 Brief Introduction
P17–P17	代号说明 Notes on Codes
P18–P18	机构用途 Function of Mechanisms
P19–P19	工况示意图 Working Condition Diagram
P20–P20	工况说明表 Notes on Working Conditions
P21–P49	主要工况特性 Main Working Conditions
	1.主臂工况 1.Boom working condition
	2.轻型主臂工况 2.Light Boom Working Condition
	3.塔式工况 3.Tower Jib Working Condition
	4.固定副臂工况 4.Fixed Jib Working Condition
	5.盾构工况 5.TBM Working Condition

详细介绍
Brief Introduction

上车/Crane Superstructure

发动机 Engine

潍柴直列水冷、涡轮增压、电喷环保型柴油发动机，型号WP12G460E300，额定功率 338kW，额定转速 1900rpm，符合中华人民共和国非道路第三阶段排放标准。
Weichai diesel engine, in-line and water-cooled, turbocharged, electronic injection, engine model WP12G460E300, rated power 338kW, rated speed 1900rpm, it is in compliance with non-road China III emission standard.
燃料箱容量：750L(可选配增至 1100L)。
Fuel tank capacity: 750L (optional configuration 1100L).

控制系统 Control System

智能化计算机集成式可编程控制系统，采用 PLC 可编程控制器，并与常规电气相结合，完成系统的逻辑控制与液压比例先导控制功能，实现起重机的智能控制；控制器、显示器、发动机和力矩限制器之间采用 CAN-Bus 进行数据传送，大大提高起重机的作业安全性、可靠性和作业效率。大屏幕显示起重机作业参数及发动机相关参数，很方便的实现了人机对话。

Intelligent computer integrated programming control system, PLC programmable controller, with combination of conventional electronics to realize logic control and hydraulic proportional control of the system, thus to realize the intelligent control of the crane; CAN-Bus is used for data transmission between controller, display, engine and LMI, which greatly improves the safety, reliability and efficiency for crane operation. Working parameters of the crane is shown by a large computer screen, and easy for man-machine interaction.

液压系统 Hydraulic System

液压系统由主油路、控制油路、辅助油路组成，使用液压比例先导控制，实现与负载无关的流量分配，速度精准，系统稳定、操作灵敏，微动性好。主起升 I、副起升、主起升 II(选配)、主臂变幅、行走等为开式液压系统，主起升 I、副起升、主起升 II 具有双泵合流功能。回转采用闭式液压系统，无须平衡阀和换向阀即可实现传动平稳无冲击。液压泵：变量柱塞泵。主控制阀：先导液比例控制阀。主回路控制方式：恒功率阀控系统。辅助机构控制系统：电磁多路换向阀组。支腿控制：电控盒操纵的电磁多路换向阀组。回油滤油器：先导油路精密过滤器。冷却器：液压马达驱动的铝制散热器。支腿控制：电控盒操纵的电磁多路换向阀组。溢流阀：防止整个或局部系统处于过载状态。液压系统压力：35MPa。液压油箱容积：950L。

Hydraulic system is composed of main oil circuit, control oil circuit and auxiliary oil circuit. It uses hydraulic proportional pilot control to realize load-independent flow distribution, with features of precise speed, stable system, sensitive operation and good fine motion performance. Hydraulic systems of main winch I, aux. winch, main winch II (optional), boom luffing and travel are all open type. Main winch I, aux. winch and main winch II have double pump confluence function. Hydraulic system for slewing operation is closed type, it can realize stable transmission without impact without the use of balance valve and reversing valve. Hydraulic pump: variable piston pump. Main control valve: pilot hydraulic proportional control valve. Main circuit control: constant-power valve control system. Auxiliary mechanism control system: solenoid multi-way valve group. Outrigger control: solenoid multi-way valve group operated by electric control box. Oil return filter: pilot circuit fine filter. Cooler: aluminum radiator driven by hydraulic motor. Outrigger control: solenoid multi-way valve group operated by electric control box. Relief valve: Prevents the system from being overloaded. Hydraulic system pressure: 35MPa. Hydraulic oil tank capacity: 950L.

起升机构Hoist Winch

起升机构包括主起升机构 I、副起升机构和主起升机构 II(选配)，安装在主臂底节臂靠近根部的上端。起升机构由变量马达驱动行星齿轮减速机，通过卷筒及变幅滑轮组实现主钩、副钩的起升下降，通过双泵供油功能提高主起升机构 I、副起升机构和主起升机构 II 升降速度。起升机构内置行星减速机，采用负制动多片湿式叠片式常闭制动器，实现“弹簧制动 / 液压释放”功能。吸振性良好的球墨铸铁起升卷筒，双折线绳槽保证钢丝绳多层卷绕不乱绳，有效地延长了钢丝绳的使用寿命。主起升机构 I 使用独立钢芯、高破断拉力、高抗挤压性的左旋同向捻抗旋转特种钢丝绳，额定单绳拉力 17.2t，绳径 28mm，长度 730m。副起升机构亦采用独立钢芯、高破断拉力、高抗挤压性的抗旋转特种钢丝绳，额定单绳拉力 15.0t，绳径 26mm，长度 450m。主起升机构 II 使用独立钢芯、高破断拉力、高抗挤压性的左旋同向捻抗旋转特种钢丝绳，额定单绳拉力 17.2t，绳径 28mm，长度 360m。

Hoist winch consists of main hoist winch I, aux. hoist winch and main hoist winch II (optional), they are installed on boom butt, near the root. Hoist winch drives planetary reducer through variable motor. The lifting and lowering of main and aux. hooks is realized through drum and luffing pulley block. The raising and lowering speed of main hoist winch I, aux. hoist winch and main hoist winch II (optional) is realized through the oil supply with two pumps. Hoist winch has built-in planetary reducer, it uses multi-disc and normally-closed wet brake to realize “spring brake/hydraulic release” function. The ductile iron winch drum is with good vibration absorption. Double-line rope groove ensures that there is no messy rope when it is reeved in multiple layers, which effectively prolong the rope’s service life. The anti-rotation wire rope used for main hoist winch I is left-handed rotation and twist in the same direction. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 17.2t, rope diameter 28mm, rope length 730m. The rope used for aux. hoist winch is rotation resistance. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 15.0t, rope diameter 26mm, rope length 450m. The anti-rotation wire rope used for main hoist winch II is left-handed rotation and twist in the same direction. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 17.2t, rope diameter 28mm, rope length 360m.

变幅机构 Luffing Winch

变幅机构包括主变幅机构和塔臂变幅机构。主变幅机构由定量液压马达驱动行星齿轮减速机，通过卷筒及变幅滑轮组来实现主臂变幅，通过双泵供油能够提高变幅升降速度。主变幅机构内置行星减速机，采用负制动多片湿式叠片式常闭制动器，实现“弹簧制动 / 液压释放”功能。吸振性良好的球墨铸铁主变幅双联卷筒，使用多层卷绕双折线绳槽，能确保钢丝绳卷绕不乱绳，可有效地延长钢丝绳使用寿命。主臂变幅机构为双马达双减速机双出绳结构的卷筒驱动，卷筒中间配有铸造棘轮，由液压油缸驱动棘爪，实现多重锁定保护。主变幅机构采用独立钢芯、高破断拉力、结构稳定性极佳的左旋交互捻非抗旋转特种钢丝绳，绳径 26mm，长度 370m。塔臂变幅机构与副起升机构为同一装置，可通过功能切换实现塔臂变幅。

Luffing winch consists of boom luffing winch and tower jib luffing winch. Boom luffing drives planetary gear reducer through fixed hydraulic motor, it uses drum and luffing pulley block to achieve boom luffing and change the luffing speed through the oil supply with two pumps. Boom luffing winch has built-in planetary reducer, it uses multi-disc and normally-closed wet brake to realize “spring brake/hydraulic release” function.

The ductile iron double drum is with good vibration absorption. Ddouble-line rope groove ensure that there is no messy rope when it is reeved in multiple layers, which effectively prolong the rope’s service life. Boom luffing winch is driven by a drum with double motor, double reducer and double rope releasing structure. The middle section of the drum is equipped with a cast ratchet. The ratchet is driven by hydraulic cylinder to achieve multiple lock protection. The wire rope used for boom luffing winch is left-handed rotation and twist in different direction, without rotation resistance function. It has the features of independent steel core, high breaking force and good structure stability, rope diameter 26mm, rope length 370m.

回转机构 Slewing gear

回转机构与回转支承采用外啮合方式驱动，布置在转台左前部，由定量马达驱动行星齿轮减速机通过小齿轮驱动回转支承，实现 360° 回转。回转机构内置行星减速机，采用负制动多片湿式叠片式常闭制动器，可实现“弹簧制动 / 液压释放”功能，并确保回转具有极高的制动安全性。回转机构设置机械式回转锁定装置，能实现回转机构的锁定保护。回转机构具有自由滑转功能，保证起重物起吊时，当起重钩即使不在被吊重物的重心垂直中心线上，也可以消除臂架侧向力，进而防止作业臂因受到较大侧向力而损坏。最高回转速度：1.0rpm。

Slewing gear and slewing ring are externally meshed for drive, it is arranged in left front part of turntable. The planetary reducer is driven by motor to drive the slewing ring to achieve 360° rotation. Slewing gear has a built-in planetary reducer, with multi-disc and normally-closed wet brake to achieve “spring braking/hydraulic release” function, so as to ensure the high brake safety of the slewing movement. The slewing gear also has a mechanical locking device to provide protection when it is locked. Slewing gear also has free-swing function. When lifting heavy load, even if the hook is not at the vertical center line of the load center of gravity, the side force of boom can also be eliminated to prevent boom from being damaged by excessive lateral force. Max. slewing speed: 1.0rpm.

回转支承 Slewing Ring

大直径滚道加强型三排大滚柱式回转支承，承载能力强，储备系数大，使用寿命长，质量稳定，传动精度高、维修保养方便。

Strengthened 3-row roller type slewing ring with large-diameter track, it has the features of strong bearing capacity, large reserve coefficient, long service life, stable quality and high transmission precision and easy maintenance.

配重系统 Counterweight

配重重由车身配重和转台配重组成。
车身配重 50t,安装在履带架前后。车身配重组成如下：
车身配重 2×15t。
车身配重 2×10t。
车身配重可使用桅杆吊实现自拆装。
转台配重 130t(可选配至 135t), 转台配重安装在转台后方。转台配重组成如下：
转台配重托盘 1×20t。
转台配重块 10×10t。
转台配重块 2×5t。
转台配重块(选配)2×2.5t。
转台配重可选配提升自拆装装置,实现转台配重自拆装。

It is composed of car-body counterweight and turntable counter-weight.
Car-body counterweight is 50t, installed at front and rear of crawler frame. The composition is as follows:
Car-body counterweight 2×15t.
Car-body counterweight 2×10t.
Mast crane is used to realize the self-assembly and disassembly of car-body counterweight.
Turntable counterweight is 130t (optional configuration: 135t), installed at the rear of turntable. The composition is as follows:
Turntable counterweight tray 1×20t.
Turntable counterweight block 10×10t.
Turntable counterweight block 2×5t.
Turntable counterweight block (optional) 2×2.5t.
Turntable counterweight can be equipped with a lifting device to realize the self-assembly and disassembly.

操纵室 Operator’s Cab

人机工程学原理设计的豹头型全封闭融入徐工元素的操纵室,新颖美观,外形流畅,视野开阔,操作舒适。
操纵室装有可调式座椅、操纵仪表和控制装置,配置冷暖空调、音响、灭火装置、闭路监视系统等。工作时,操纵室可调整俯仰角度 20°,扩大视野,方便操作;运输时,操纵室还可以从侧方转到前方转动 90° 放置在转台前方,减小运输宽度。

Leopard-shaped fully enclosed operator’s cab is designed according to ergonomic principle and integrated with XCMG elements. It is novel and beautiful in appearance, with smooth shape, broad vision and comfortable operation.
The cab is equipped with adjustable seat, instrument, control devices, air conditioning equipment, audio, fire extinguisher and closed monitoring system. During operation, the cab can tilted upward for 20° to enlarge the field of vision and facilitate operation; during transportation, the cab can be rotated 90° to the front of turntable to reduce the transport width.

转台 Turntable

转台是联系上下车的关键承载结构件, 采用高强度钢板焊接而成的双侧“工”字梁箱框式复合结构, 通过回转支承与下车进行联接, 整体强度高、稳定性好。驾驶室、主变幅机构、发动机系统、主泵、液压阀、电控柜、桅杆、主臂底节、上车配重及其自拆装的顶升油缸等分别与转台在不同部位进行联接。转台可选配预留超起接口。

Turntable is the key load bearing structure to connect crane superstructure and undercarriage. It is made of high-strength steel plate and welded in “I” beam structure at both sides. The turntable is connected with chassis by slewing ring, with good overall strength and stability. Cab, main luffing winch, engine system, main pump, hydraulic valve, cabinet, mast, boom butt and superstructure counterweight are respectively connected with different parts of turntable. Reserved superlift interface on turntable is also available according to customer’s need.

桅杆 Mast

桅杆由箱形双臂结构组成, 两肢之间有加强横梁, 稳定性好。桅杆可选配预留超起接口。
桅杆顶升油缸可绕油缸中间与转台的连接铰点旋转, 进行桅杆扳起顶升和降落。
桅杆上配有桅杆吊自拆装油缸, 用来拆装整机的大型结构件, 实现臂架、履带梁、主臂根节、配重块的自拆装等。
桅杆长度 9.75m。

Mast is a box-type two-limb structure, with strengthened beam between two limbs for good stability. Mast can be equipped with an optional superlift interface.
Mast raising cylinder can rotate around the hinge point between the cylinder and turntable to realize mast raising and lowering.
Mast crane self-assembly and disassembly cylinder is also equipped on mast to disassemble the large structural parts of the crane, such as boom, crawler track, boom butt and counterweight.
Mast length 9.75m.

下车/Crane Undercarriage

下车包括车架、支腿、履带架和车身配重等。车架和履带架之间采用液压油缸驱动的动力销轴连接; 车身配重安装在履带架前后; 四个支腿及油缸安装在车架的前后两端。
下车车架还有回转支承安装连接固定螺孔及中央回转体转接固定架, 用以固定中心回转体。

Undercarriage includes car-body, outrigger, track frame and car-body counterweight. Car-body and track frame are connected by power pins driven by hydraulic cylinder; car-body counterweight is installed at the front and rear of track frame; four outriggers and cylinders are installed at the front and rear of car-body. Car-body and slewing ring are connected to the fixing hole and the central rotary joint fixing frame, to fix the central rotary joint.

车架 Car-body

车架采用高强度钢板焊并经精密机加工的箱型放射型结构件, 可确保回转支承安装面与回转支承的正确安装。该车架整体刚性好、强度大、精度高。为便于将履带架固定在车架上, 本机配有液压动力销, 可保证车架上的四个垫块经销子和耳轴挂钩与履带架的精准定位。
车架附件包括支腿(含支脚盘) 及加长型顶升油缸, 能够适应 1.2m 高度运输车。车架通过销轴铰接于车架外侧用于起重机的装拆, 以便于装配和拆卸履带架。
支腿油缸可通过遥控盒操控。
车架底平面离地间隙为 400mm。

Car-body is made of high-strength steel plate and welded in box-type radial structure, which can ensure the correct installation of the slewing bearing surface and the slewing bearing. Car-body has good rigidity, high strength and high precision. In order to fix the crawler frame on car-body, hydraulic power pin is used to make sure that the four cushion blocks on car-body are correctly connected to track frame.
Car-body accessories include outriggers (includes outrigger pad) and jacking cylinders, which is applicable to transport vehicles with a height of 1.2m. Car-body is articulated to car-body outside by pin shaft for assembly and disassembly of the crane, so that the crawler frame can be assembled and dismantled easily.

履带架 Track Frame

履带架分为左履带架和右履带架, 由履带架结构件、履带板、支重轮、驱动轮、导向轮、托链轮及行走机构、张紧装置组成。
履带架结构件: 左右对称, 各 1 件。采用高强度钢板焊接的箱型结构, 与车架安装定位设有平行垫铁, 起导向和耐磨作用。
驱动轮: 高强度耐磨热处理合金铸钢件, 轮径 900mm, 共 2×1=2 件。履带驱动轮组件用高强螺栓连接在行星减速机的外壳上, 组成内置液压牵引马达的一部分, 马达旋转部分与非旋转部分采用浮动式密封。
支重轮: 高强度耐磨热处理合金铸钢件, 轮径 360mm, 共 2×14=28 件(可选 2×15=30 件)。支重轮采用双法兰设计, 内置浮动式密封, 终生润滑免维护。

张紧轮: 高强度耐磨热处理合金铸钢件, 轮径 900mm, 共 2×1=2 件。安装带有润滑浮动密的铜质衬套, 润滑耐磨优良。通过油压千斤顶和调整垫板种类数量, 能够调节履带张紧程度, 使履带保持最佳工作状态。
拖链轮: 高强度耐磨热处理合金铸钢件, 轮径 280mm, 共 2×2=4 件。拖链轮内置浮动密封, 终生润滑免维护。
履带板: 履带板宽度 1200mm, 共 2×64=128 件。高强度耐磨热处理合金铸钢件, 内部空心带筋, 自清洁。履带板之间通过浮动销实现多个履带板铰接闭合。
履带架可使用桅杆吊进行装拆。

It is divided into left and right track frames, include track frame structure, track shoe, track roller, drive sprocket, guide roller, carrier roller, travel device and tension device.
Track frame: symmetrically arranged, one for each side, it is made of high-strength steel plate and welded in box-type structure, and a parallel iron is set for car-body to play a role of guide and wear resistance.
Drive roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. Drive sprocket is connected on planetary reducer housing with high-strength bolts. It is part of the built-in hydraulic traction motor. The rotating part and the non-rotating part of the motor adopt floating seal.
Track roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 360mm, total 2×14=28 pieces (or 2×15=30 pieces). The track roller adopts double-flange design, with built-in floating seals, maintenance free.
Tension roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. The roller is installed with copper bushing, with excellent lubrication and wear resistance. The crawler tightness is adjusted through hydraulic jacks and the use of adjusting shims, so as to keep the track in best state.
Carrier roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 280mm, total 2×2=4 pieces. The rollers have built-in floating seals, maintenance free.
Track shoe: track shoe width 1200mm, total 2×64=128 pieces. High strength wear resistant heat treatment alloy steel casting, the inside is hollow but with rib, self-cleaning. The connection between the track shoes is realized through floating pins.
The track frame can be assembled and disassembled by mast crane.

详细介绍
Brief Introduction

行走机构 Travel Gear

行走机构采用双向柱塞马达驱动,通过螺栓固定在行走减速机的外壳上,当驱动轮驱动驱动履带板时,可实现直线行走、原地转向、单边转向、差速转向及带载行走等动作,有极高的灵活性和机动性。
行走机构内置行星减速机,采用负制动多片湿式叠片式常闭制动器,实现“弹簧制动/液压释放”功能,保证即使液压回路中的压力降低也能保持极高的制动安全性。
变量泵及变量马达驱动可以实现高、低速两档无级变速,牵引强劲有力,主臂工况可进行带载 100% 直线行走及 70% 转弯行走,塔臂工况和固定副臂工况可带载 50% 转弯行走。
最高速度行走速度: 1.0km/h。
爬坡能力: 30%。

The travel gear is driven by bidirectional plunger motor and fixed on the housing of travel reducer by bolts. The drive sprocket drives crawler shoe to realize straight travel, steering in position, steering at one side, differential steering and travel with load, with extremely high flexibility and maneuverability.
The travel gear has built-in planetary reducer, with multi-disc and normally-closed wet brake to achieve “spring braking/hydraulic release” function, which ensures high braking safety even if the pressure in the hydraulic circuit is reduced.
Variable pump and motor drive can realize infinitely variable speed, with strong traction. In boom working condition, the crane can travel in straight line with 100% load and turn with 70% load; in tower jib and fixed jib working conditions, the crane can turn with 50% load.
Max. travel speed: 1.0km/h.
Grade ability: 30%.

作业设备Lifting Operation Parts

起重臂作业设备为大截面、大管径、薄壁、细精高强无缝钢管作为弦管和腹管,辅以高强度钢板分段焊接成中间等截面,两端变截面的四弦管空间桁架结构。通过对单、双腰绳的精确分析与计算,使该产品的作业臂长度得到空前提高,臂架潜能得到充分发挥,起重能力得到极大提升。
作业设备包括主臂、塔式副臂、固定副臂、主臂臂端滑轮、塔臂单滑轮、固定副臂单滑轮及其臂架拉杆组件。可提供五大类 17 种工况供选择,五大类工况主要包括主臂工况、塔式工况、轻型主臂工况、固定副臂工况、盾构工况。

Lifting boom is a four-chord lattice structure with equal section in the middle and variable section at both ends. It is made of high-strength steel plate and uses large section, large pipe diameter, thin wall and high strength seamless pipe as main chords and lacing members. Through the accurate analysis and calculation of single and double center hitch, boom length of this crane has been dramatically increased, the potential of boom section has been fully developed and the lifting capacity has been greatly improved.
Lifting boom includes main boom, tower jib, fixed jib, boom single top, tower jib single top, fixed jib single top and boom pendant. This crane provides 17 working conditions in 5 categories; the five categories are boom working condition, tower jib working condition, light boom working condition, fixed jib working condition and TBM working condition.

主臂Boom

可使用的主臂工况包括 3 种。主臂臂架标准配置 24m ~ 66m, 最长可选 96m。
主臂(96m)组成如下:
主臂底节臂 1 × 10.5m
主臂变径节 1 × 12m
主臂连接节 1 × 1.5m
主臂 300t 臂头滑轮组 1 件
主臂中间节 2 × 6m
主臂中间节 3 × 12mA
主臂中间节 2 × 12mB
主臂臂端滑轮 1 件

There are 3 boom working conditions. Boom length for standard configuration is 24m-66m, and the maximum optional boom length is 96m.
Boom (96m) composition:
Boom butt 1 × 10.5m
Boom tapered section 1 × 12m
Boom connection section 1 × 1.5m
300t boom head sheave block one piece
Boom insert 2 × 6m
Boom insert 3 × 12mA
Boom insert 2 × 12mB
Boom single top one piece

轻型主臂Light Boom

轻型主臂工况由主臂臂节与塔臂臂节搭配组合而成,无需单独购买特殊臂节,只需购买主臂工况和塔式工况即可实现。
可使用的主臂工况包括 3 种。轻型主臂最长选配 115.5m。
轻型主臂(115.5m)组成如下:
主臂底节臂 1 × 10.5m
主臂变径节 1 × 12m
塔臂顶节臂 1 × 9m
主臂中间节 2 × 6m
主臂中间节 3 × 12mA
塔臂中间节 1 × 6mA
塔臂中间节 1 × 6mB
塔臂中间节 2 × 12m
塔臂导向滑轮 2 件
塔臂单滑轮 1 件(选配)

Light boom working condition is the combination of boom sections and tower jib sections. Except for boom and tower jib working conditions, no other special boom or jib sections are required to buy.
There are 3 light boom working conditions, and the maximum optional light boom length is 115.5m.
Light boom (115.5m) composition:
Boom butt 1 × 10.5m
Boom tapered section 1 × 12m
Tower jib top 1 × 9m
Boom insert 2 × 6m
Boom insert 3 × 12mA
Tower jib insert 1 × 6mA
Tower jib insert 1 × 6mB
Tower jib insert 2 × 12m
Tower jib guide pulley two pieces
Tower jib single top (option) one piece

塔式副臂 Tower Jib

可使用的塔式工况包括 5 种。塔式副臂标准配置 24m ~ 42m, 最长可选 66m。
塔式副臂(66m)组成如下:
塔臂底节臂 1 × 9m
塔臂中间节 1 × 6mA
塔臂顶节臂 1 × 9m
塔臂导向滑轮 2 件
塔臂前支架 1 × 9.5m
塔臂后支架 1 × 9.5m
塔臂中间节 1 × 6mB
塔臂中间节 3 × 12m
塔臂单滑轮 1 件(选配)

There are 5 tower jib working conditions. Tower jib length for standard configuration is 24m-42m, and the maximum optional tower jib length is 66m.
Tower jib (66m) composition:
Tower jib butt 1 × 9m
Tower jib insert 1 × 6mA
Tower jib top 1 × 9m
Tower jib guide pulley two pieces
Tower jib front strut 1 × 9.5m
Tower jib rear strut 1 × 9.5m
Tower jib insert 1 × 6mB
Tower jib insert 3 × 12m
Tower jib single top (option) one piece

固定副臂 (选配) Fixed Jib (optional)

可使用的固定副臂工况包括 3 种。固定副臂推荐选配 9m, 最长可选 12m。
固定副臂(16m)组成如下:
固定副臂底节臂 1 × 4.5m
固定副臂顶节臂 1 × 4.5m
固定副臂支架 1 × 7m
固定副臂中间节 1 × 3m

There are 3 fixed jib working conditions. The recommended fixed jib length is 9m, and the maximum fixed jib length is 12m.
Fixed jib (16m) composition:
Fixed jib butt 1 × 4.5m
Fixed jib top 1 × 4.5m
Fixed jib insert 1 × 7m
Fixed jib insert 1 × 3m

盾构副臂 (选配) TBM jib (optional)

盾构副臂与固定副臂臂架通用,无需单独购买特殊附件即可实现。
可使用的盾构工况包括 3 种。推荐盾构副臂选配 9m, 最长可选配至 12m。
固定副臂(12m)组成如下:
固定副臂底节臂 1 × 4.5m
固定副臂顶节臂 1 × 4.5m
固定副臂中间节 1 × 3m

Fixed jib is used as TBM jib in TBM working condition, so this working condition can be realized without purchasing any special accessories.
There are 3 TBM working conditions. The recommended jib length is 9m, and the maximum jib length is 12m.
Fixed jib (12m) composition:
Fixed jib butt 1 × 4.5m
Fixed jib top 1 × 4.5m
Fixed jib insert 1 × 3m

吊钩Hook Block

吊钩配置如下 Hook block configuration is as the follows:			
吊钩名称 Hook name	260T	160T	16T
自重(t) Weight (t)	4.6	3.9	0.9
滑轮组数量 Number of pulleys	9	5	—
如有特殊需求,需在合同中注明选配 300t、200t、130t、100t、80t、50t 吊钩等约定条款。			
If there is any special requirements, please specify in the contract the optional selection of 300t, 200t, 130t, 100t, 80t, 50t hooks, etc. for customized supply.			

安全装置 Safety Devices

广泛采用机械、电子、液压等多种安全及报警设备,以确保本机使用安全。
安全装置主要包括力矩限制器、回转锁定、起重臂防后倾、起升高度限位、起重臂角度限位、风速仪、水平仪、摄像头、回转警告、行走警告及液压溢流阀、平衡阀、液压锁等。

This crane widely uses mechanical, electronic, hydraulic and other safety and warning devices to ensure the safe use.
The safety devices include: load moment limiter, slewing lock device, boom backstop device, hoist limit switch, boom angle limiter, anemometer, level gauge, camera, slewing warning, travel warning, hydraulic system relief valve, balance valve, hydraulic lock and etc.

模式切换开关Mode Switch

进行安装模式和工作模式切换。
安装模式下,防过卷装置、起重臂限位装置、力矩限制器等均不起作用,以利于起重机安装; 工作模式下,所有安全装置均起作用。

Switch between assembly mode and working mode.
In Assembly mode, over-wind protection device, boom angle limiter and load moment limiter are all out of service, in order to facilitate crane assembly; in working mode, all safety devices are working normally.

详细介绍
Brief Introduction

 **总泄荷开关 Main Unloading Switch**

当操作者离开座位时,总泄荷开关打开,所有动作均被锁定。

When the operator leaves the seat, the unloading switch is opened and all movements are locked.

 **紧急停止按钮 Emergency Stop Button**

紧急情况下,按下此按钮将停止所有动作。

Press this button in emergency condition to stop all crane movements.

 **安全保护开关Safe Protection Switch**

安全保护开关放在手柄前侧,此开关没有按下时,所有动作信号被屏蔽,手柄不起作用。防止上下车身体碰撞手柄产生误操作。

Safe protection switch is placed in front of the joystick. When the switch is not pressed, all crane movement signals have been shielded and the handle is useless. This switch can be used to prevent malfunction when operator accessing the cab and touching the joystick.

 **防过卷装置Winch Over-wind Protection Device**

主臂头部、塔臂头部、固定副臂头部及臂端滑轮均设置起升过卷装置,以防止钢丝绳过卷。当起升卷扬起升到一定高度时候,过卷保护指示灯亮,同时力矩限制器停止起升动作。

There are over-wind protection devices on boom head, tower jib head, fixed jib head and single top unit to prevent rope from being over-wound. When the winch hoists up to a certain lifting height, the over-wound warning lamp on instrument panel lights up, at the same time, load moment limiter stops crane hoisting up movements.

 **防过放装置Winch Over-release Protection Device**

防过放保护功能由安装在卷筒上的开关进行检测,当卷筒上的钢丝绳剩下三圈时候,将通过显示器及蜂鸣器进行声光报警,同时力矩限制器自动停止下降动作。

Over-release protection is realized through the switch installed on drum. When there are only three loops of rope left, the display and buzzer will send sound and light alarm, at the same time, load moment limiter stops lowering down movements.

 **棘爪锁止装置Ratchet Locking Device**

棘爪锁止装置用于锁定主变幅卷扬,起重臂降落的时候必须打开该装置,否则不能降落,用于保护臂架在非工作时安全停放。当锁止时通过显示屏进行显示,以提示棘轮处于锁止状态。

 **机械式安全装置Mechanical Safety Device**

It is used to lock luffing winch, and it must be turned on when lowering boom, otherwise, boom cannot be lowered. This device is used to stow boom for safety when it is not in use. The locking will be shown on computer screen to indicate that the ratchet is locked.

 **机械式安全装置Mechanical Safety Device**

回转锁止装置用于起重机停止时上车的机械限位:主臂、塔臂、固定副臂(盾构副臂)、塔臂后支架、副臂后支架防后翻装置,防止臂架及支架的后仰。

Slewing locking device is used for the mechanical lock of crane superstructure when the crane stops; the backstop devices for boom, tower jib, fixed jib (TBM jib), tower jib rear strut and fixed jib rear strut are used to prevent the boom, jib and strut from tilting backward.

 **起重臂角度限制Boom Angle Limit**

主臂仰角在 85° 时,起重臂被停止起升,由力矩限制器和行程开关双级控制。主臂在仰角小于 30° 时停止起重臂落,由力矩限制器控制。塔臂由限位开关和力矩限制器双级控制控制上限位和下限位。

When boom is raised to 85 ° , boom raising movement will be stopped by load moment limiter and hoist limit switch. When boom angle is less than 30 ° , boom lowering movement will be stopped by load moment limiter. The hoist limit switch and load moment limiter may control tower jib upper and lower limit position.

 **起重钩防脱卡Hook Latch**

所有起重钩均装有防脱卡板,防止悬挂在起重钩钩头的吊索脱落。

All hook blocks are equipped with hook latch to prevent the hanging rope on hook head from falling.

 **液压系统 Hydraulic System**

配置液压平衡阀、液压溢流阀、液压双向锁等装置,保证系统工作时稳定安全。

Hydraulic system is equipped with hydraulic balance valve, hydraulic relief valve, hydraulic two-way lock and other devices to ensure the stable and safe work of the system.

 **防雷击保护装置 Lightning Protection Device**

增强雷雨天气下起重机防雷击能力增强,可有效保证设备的安全性。

It can effectively guarantee the safety of the equipment by enhancing the crane's ability against lightning under thunderstorm weather.

 **后视镜 Rearview Mirror**

位于司机室外侧,司机能观察机器后方情况。

It is located outside the operator's cab, so that the driver can easily observe the situation behind the machine.

 **远程GPS监控系统 GSP Monitoring System**

能实现 GPS 定位及 GPRS 数据传输,设备使用状态查询、远程故障诊断等功能。

It can realize GPS positioning and GPRS data transmission, with the functions of equipment status query, remote fault diagnosis and etc.

代号说明
Notes on Codes

序号 No.	代号 Code	说 明 Description
作业臂架代号 Codes of boom/jib sections		
1	H	主臂Main boom
2	B	主臂滑轮组Boom sheave block
3	L	轻型主臂Light boom
4	F	固定副臂Fixed jib
5	W	塔式副臂Tower jib
6	S	臂端单滑轮Boom/jib single top
主要工况代号 Codes of working conditions		
7	HB(S)	主臂工况Boom working condition
8	LB(S)	轻型主臂工况Light boom working condition
9	H(B)W(S)	塔式工况Tower jib working condition
10	H(B)F	固定副臂工况Fixed jib working condition
11	TBF	盾构工况TBM working condition

注释: ()内代码表示可选择的不同部件组合。

Note: The codes in () represent different parts combinations for selection.

机构用途
Function of Mechanisms

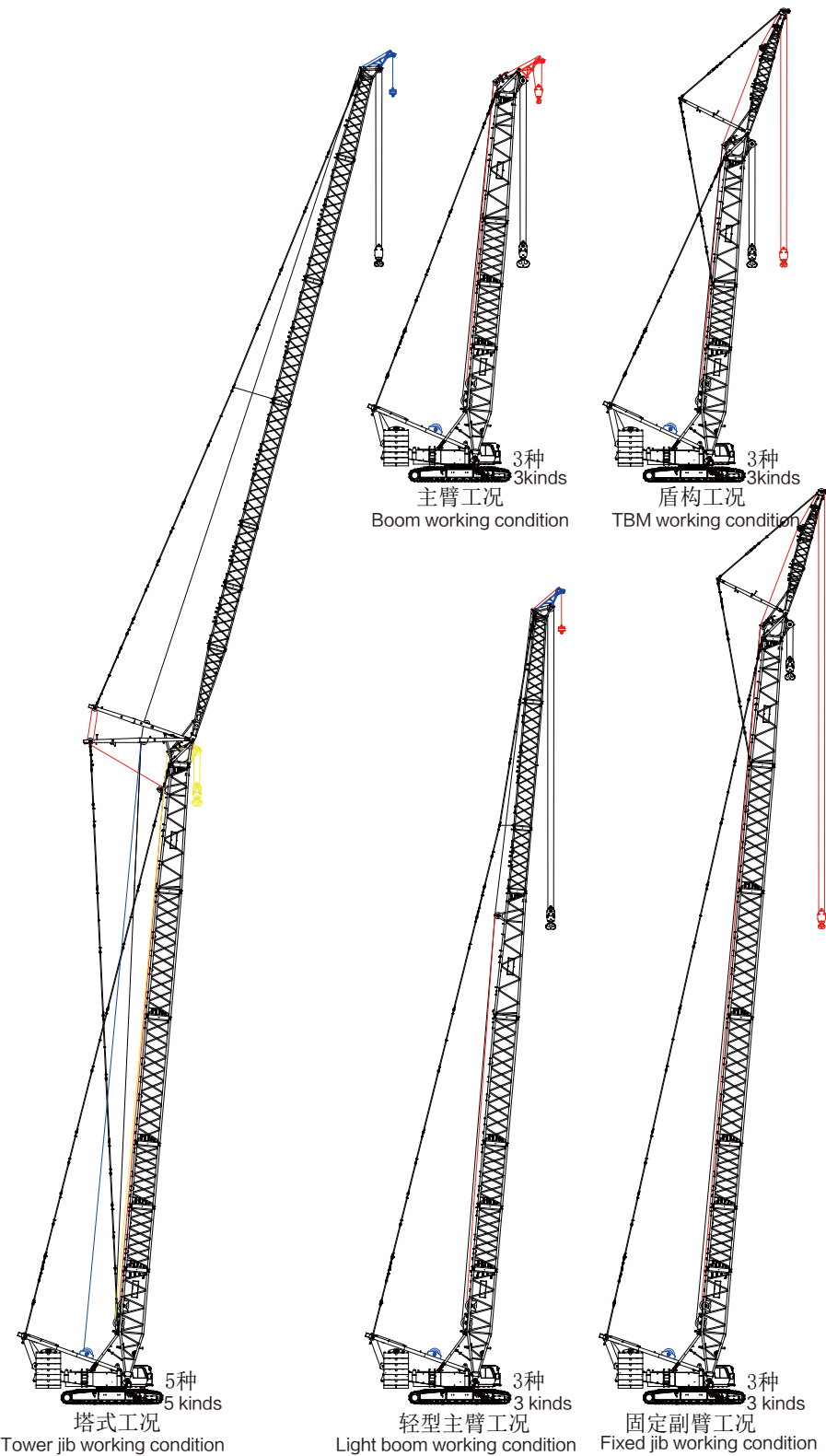
序号 No.	机构名称 Mechanism	用 途 Function	布置位置 Position
1	主起升机构I Main hoist winch I	HB/1、HBS/1、LB/1、LBS/1、HW/1、HWS/1、HBW/1、HF/1、HBF/1、TBF/1作为主钩卷扬 Used for main hook in HB/1, HBS/1, LB/1, LBS/1, HW/1, HWS/1, HBW/1, HF/1, HBF/1, and TBF/1working conditions	主臂底节臂下部靠近中间 Lower part of boom base, near the middle position
2	主起升机构II Main hoist winch II	HWS/3、HBW/3作为第三钩卷扬 Used for the third hook in HWS/3 and HBW/3 working conditions	主臂底节臂下部靠近根部【 选配 】 Lower part of boom base, near the root position (option)
3	副起升机构 Aux. hoist winch	【 1 】 HBS/2、LBS/2、HFS/2、HBF/2、TBF/2作为副钩卷扬 【 2 】 塔式工况的塔臂变幅卷扬 (1) Used for aux. hook in HBS/2, LBS/2, HFS/2, HBF/2 and TBF/2 working conditions (2) Used for tower jib luffing in tower jib working condition	主臂底节臂下部靠近前部 Lower part of boom base, near the front part
4	主变幅机构 Main luffing winch	主臂变幅卷扬Boom luffing winch	转台中后方Middle and rear part of turntable
5	回转机构 Slewing gear	上车回转Superstructure slewing	转台前方左侧Left front part of turntable
6	行走机构 Travel gear	整机行走Crane travel	履带驱动轮Crawler drive sprocket

注释:

主起升机构 I 与副起升机构可在盾构工况下可实现主副钩联合吊载。但在其他工况下， 为保证起重机使用安全， 仅允许单一吊钩作业， 严禁进行双钩联合吊装起重作业， 以免发生危险。

Note: In TBM working condition, main hoist winch I and aux. hoist winch can be used to realize the combined lifting operation with both main and aux. hook blocks. However, in other working conditions, only one hook can be used to ensure the safety of crane operation, it is strictly prohibited to use the two hooks at the same time to avoid danger.

工况示意图
Working Condition Diagram



作业工况臂架组合示意图 Boom combinations in different working conditions

工况说明表
Notes on Working Conditions

本机根据所使用的起升机构、作业设备及吊钩位与臂架位置等不同，分为五大类17种工况，且每种工况按不同转台配重组合分别提供各自起重性能。
For this crane, there are 17 working conditions according to different hoist mechanisms, working equipments, hooks and boom positions.

序号 No.	工况类别 Working condition categories	工况代号 Working condition code	说 明 Description
1	主臂工况【HB(S)】 Boom working condition【HB(S)】	HB/1	无臂端滑轮的主臂主钩吊载Use boom main hook to lift the load, no boom single top
2		HBS/1	带臂端滑轮副钩的主臂主钩吊载Use boom main hook to lift the load, with aux. hook installed on boom single top
3		HBS/2	带主臂主钩的臂端滑轮副钩吊载Use aux. hook of boom single top to lift the load, with main hook installed on boom
4	轻型主臂工况【LB(S)】 Light boom working condition【LB(S)】	LB/1	无臂端滑轮的轻型主臂主钩吊载Use main hook of light boom to lift the load, no boom single top
5		LBS/1	带臂端滑轮副钩的轻型主臂主钩吊载Use main hook of light boom to lift the load, with aux. hook installed on boom single top
6		LBS/2	带轻型主臂主钩的臂端滑轮副钩吊载Use the aux. hook of boom single top to lift the load, with main hook installed on light boom
7	塔式工况【H(B)W(S)】 Tower jib working condition【H(B)W(S)】	HW/1	无主臂滑轮组及塔臂单滑轮的塔臂主钩吊载Use main hook of tower jib for lifting operation, no boom pulley block and tower jib single top
8		HWS/3	无主臂滑轮组带塔臂主钩的塔臂单滑轮第三钩吊载Use the third hook of tower jib single top to lift the load, with tower jib main hook, no boom pulley block
9		HWS/1	无主臂滑轮组带塔臂单滑轮第三钩的塔臂主钩吊载Use main hook of tower jib to lift the load, with the third hook of tower jib single top, no boom pulley block
10		HBW/3	无塔臂单滑轮带主臂主钩的塔臂第三钩吊载Use the third hook of tower jib to lift the load, with boom main hook, no tower jib single top
11		HBW/1	无塔臂单滑轮带塔臂第三钩的主臂主钩吊载Use main hook of boom to lift the load, with the third hook of tower jib, no tower jib single top
12	固定副臂工况【H(B)F】 Fixed jib working condition【H(B)F】	HF/1	无主臂滑轮组的固定副臂主钩吊载Use main hook of fixed jib to lift the load, no boom pulley block
13		HBF/2	带主臂滑轮组主臂主钩空钩的副臂副钩吊载Use aux. hook of fixed jib to lift the load, with boom main hook, no load on boom main hook
14		HBF/1	带主臂滑轮组固定副臂空钩的主臂主钩吊载Use main hook of boom to lift the load, with boom main hook, no load on fixed jib aux. hook
15	盾构工况【TBF】 TBM working condition【TBF】	TBF/1	盾构副臂副钩空钩的主臂主钩吊载Use main hook of boom to lift the load, no load on TBM jib aux. hook
16		TBF/2	主臂主钩空钩的盾构臂副钩吊载Use the aux. hook of TBM jib to lift the load, no load on boom main hook
17		TBF	主副钩联合的双钩复合吊载吊载Both main hook and aux. hooks are used to lift the load.

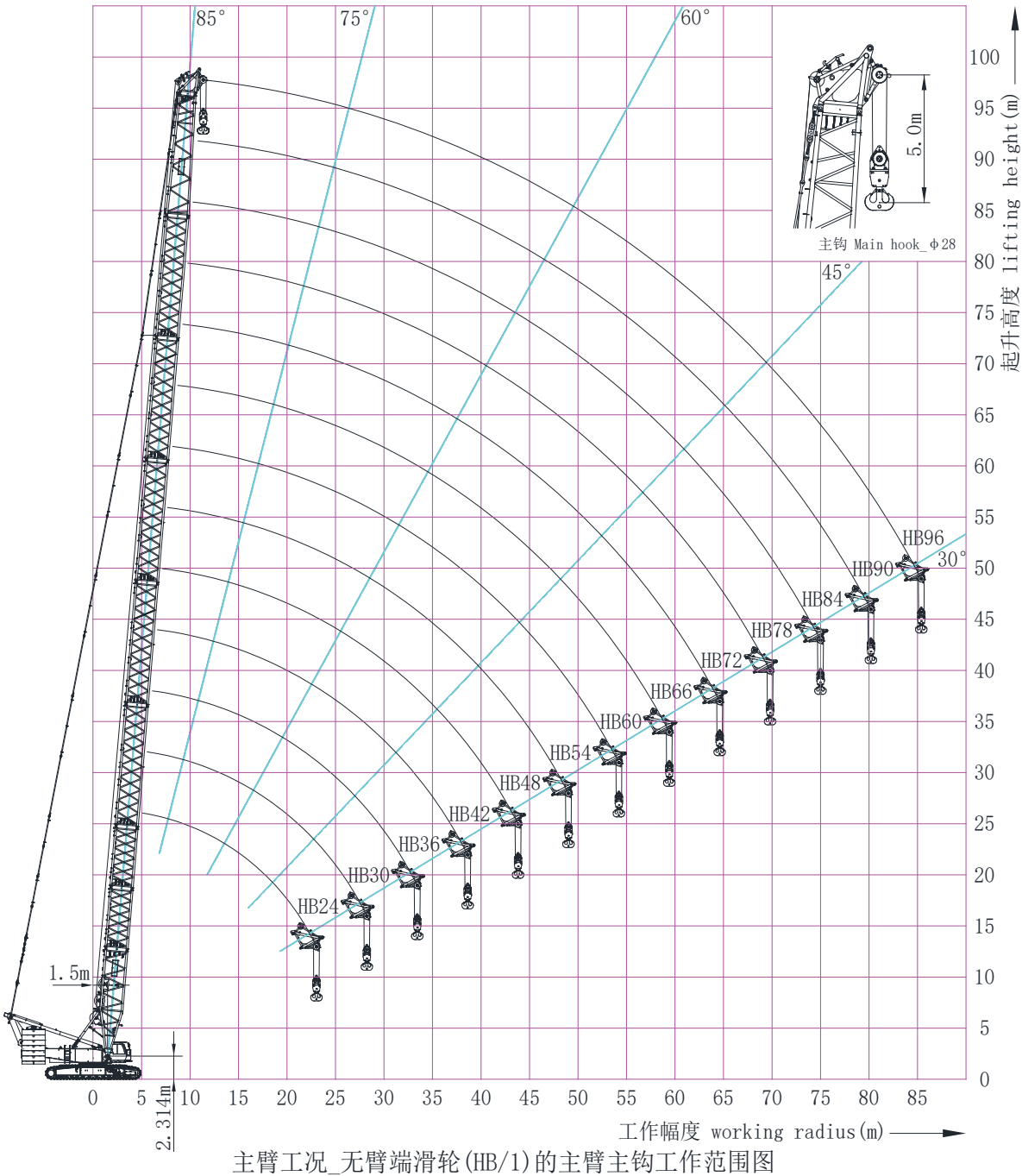
注释：
工况代号栏中，“/1”表示使用主起升卷扬Ⅰ；“/2”表示使用副起升卷扬；“/3”表示使用主起升卷扬Ⅱ；“TBF”表示主起升卷扬Ⅰ和副起升卷扬联合使用。

Note:
For working condition codes, “/1” means using main hoist winch I; “/2” means using aux. hoist winch; “/3” means using main hoist winch II; “TBF” means both main hoist winch I and aux. hoist winch are used.

主要工况特性
Main Working Conditions

1.1主臂工况_无臂端滑轮(HB/1)的主臂主钩特性
Boom working condition _ boom main hook (without boom single top, HB/1)

主臂工况_无臂端滑轮(HB/1)的主臂主钩工作范围图
Boom working condition _ boom main hook working range (without boom single top, HB/1)



Boom working condition _ boom main hook working range (without boom single top, HB/1)

主臂工况_无臂端滑轮HB/1_130t+50t的主臂主钩性能Boom working condition _ boom main hook lifting capacity table
(without boom single top, HB/1_130t+50t)

HB/1	主臂长度 boom length (m)												
幅度 Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96
	t	t	t	t	t	t	t	t	t	t	t	t	t
5.5	350.0												
6	325.0												
7	310.0	300.0	266.0	240.0									
8	300.0	290.0	263.0	238.0	210.0	183.0							
9	265.0	250.0	231.0	218.5	205.0	181.0	170.0	152.0					
10	228.0	220.0	210.1	194.2	185.0	176.2	166.4	150.6	135.0	124.0			
11	195.0	192.0	182.7	174.4	166.5	159.3	152.5	146.2	135.0	123.0	106.0	91.0	
12	172.0	171.0	165.1	158.1	151.4	145.3	139.4	133.9	128.6	122.0	104.4	89.2	80.0
13	152.0	151.0	150.5	144.5	138.7	133.4	128.2	123.3	118.6	114.2	103.5	88.4	77.5
14	136.0	135.2	135.0	133.0	127.8	123.1	118.4	114.2	109.9	106.0	102.1	87.6	76.5
15	123.0	122.3	122.1	122.0	118.3	114.2	110.0	106.2	102.3	98.7	95.2	86.8	75.4
16	112.0	111.5	111.3	111.1	110.1	106.4	102.6	99.1	95.6	92.3	89.1	85.9	74.6
17	103.0	102.4	102.1	102.0	101.6	99.5	96.0	92.8	89.5	86.6	83.5	80.9	73.9
18	95.0	94.5	94.3	94.1	93.6	93.3	90.1	87.1	84.1	81.4	78.6	76.1	73.1
19	88.0	87.7	87.4	87.2	86.8	86.4	84.7	82.0	79.3	76.6	74.1	71.8	69.2
20	82.0	81.7	81.4	81.2	80.7	80.3	79.8	77.4	74.8	72.5	69.9	67.8	65.5
22	72.0	71.6	71.2	71.0	70.5	70.1	69.6	69.1	67.1	65.0	62.7	60.8	58.7
24		63.4	63.1	62.9	62.4	62.0	61.4	60.9	60.3	58.7	56.6	54.9	52.9
28		51.2	50.9	50.7	50.1	49.7	49.1	48.6	47.9	47.4	46.8	45.4	43.6
30			46.5	46.3	45.7	45.3	44.7	44.2	43.5	43.0	42.4	41.4	40.0
32			42.0	41.9	41.3	40.9	40.3	39.7	39.1	38.6	37.9	37.3	36.4
38				32.5	32.0	31.5	30.9	30.3	29.6	29.0	28.3	27.9	27.2
42					27.2	26.8	26.2	25.7	25.0	24.4	23.6	23.1	22.4
48						21.4	20.7	20.2	19.5	19.0	18.3	17.8	16.9
54							16.5	16.0	15.3	14.8	14.1	13.6	12.8
58								13.7	13.1	12.6	11.8	11.3	10.6
64									10.1	9.7	8.9	8.4	7.7
68										8.1	7.3	6.8	6.1
74											5.3	4.8	4.0
78												3.6	2.7
80												2.9	

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.主臂长度“*”标记处组合须使用1.31m腰绳，主臂长度超过78m必须使用斜楔辅助起臂。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节需拆去塔臂用导向滑轮。
4.标配主臂66m，最长可选配主臂96m。
5.起重性能>300t时，需额外购置使用特殊装置。

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. Standard boom length is 66m, optional longest boom length 96m.
5. When the lifting capacity is >300t, additional equipment for special use is required.

主要工况特性
Main Working Conditions

主臂工况_无臂端滑轮HB/1_135t+50t的主臂主钩性能（选配）
Boom working condition _ boom main hook lifting capacity table (without boom single top, HB/1_135t+50t, optional)

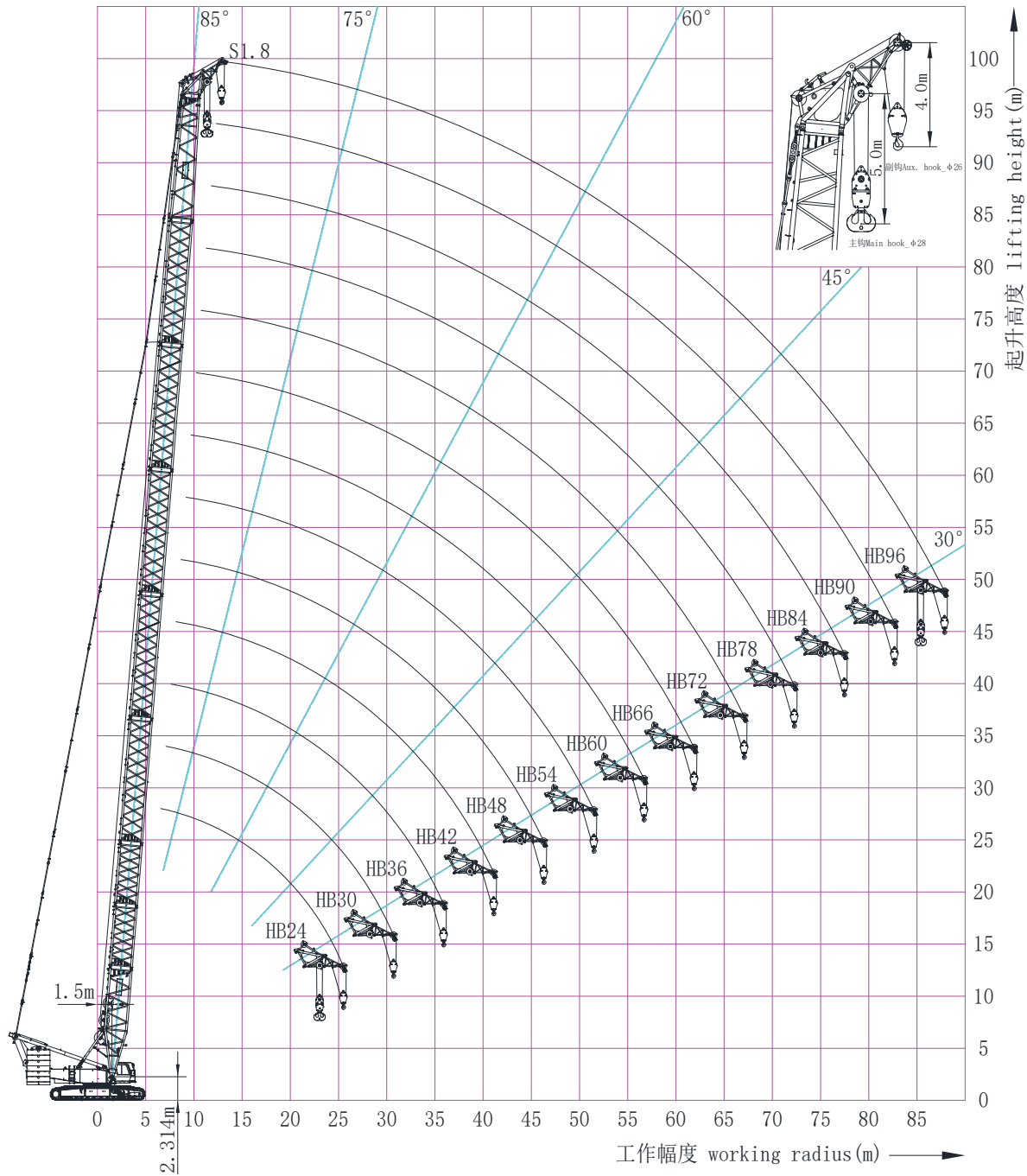
HB/1	主臂长度 boom length (m)													
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60 t	66 t	72 t	78 t	84 t	90 t	96 t	
5.5	350.0													
6	330.0													
7	325.0	315.0	270.0	245.0										
8	300.0	295.0	265.0	240.0	212.0	185.0								
9	266.0	260.0	241.6	226.7	209.0	184.0	172.0	155.0						
10	240.0	230.0	214.8	208.4	190.0	182.4	167.6	152.0	140.0	130.0				
11	205.0	201.0	192.6	184.0	175.0	165.4	158.4	151.3	135.9	123.6	112.0	96.0		
12	180.0	178.0	173.4	164.2	157.3	150.8	144.8	139.1	133.6	125.0	107.0	92.0	82.0	
13	160.0	157.5	156.2	150.0	144.0	138.5	133.2	128.2	123.3	118.7	103.6	90.0	79.0	
14	147.0	142.3	140.1	138.0	132.8	127.9	123.1	118.7	114.3	110.2	103.1	88.4	77.0	
15	130.0	128.5	126.8	126.7	123.0	118.6	114.3	110.4	106.5	102.7	99.1	87.6	76.3	
16	119.0	117.0	115.6	115.4	114.4	110.6	106.7	103.0	99.4	96.1	92.7	86.7	75.5	
17	109.0	107.0	106.1	106.0	105.5	103.4	99.8	96.5	93.2	90.2	87.0	84.6	74.8	
18	101.0	99.2	97.9	97.7	97.3	96.9	93.7	90.7	87.6	84.8	81.9	79.8	73.9	
19	95.0	92.1	90.8	90.7	90.2	89.7	88.2	85.4	82.5	79.9	77.2	75.3	72.8	
20	88.0	85.9	84.5	84.3	83.9	83.5	83.0	80.7	77.9	75.5	72.9	71.0	68.8	
22	77.5	75.5	74.1	73.9	73.4	73.0	72.4	72.0	70.0	67.8	65.5	63.8	61.7	
24		66.1	65.8	65.6	65.0	64.6	63.9	63.5	62.8	61.3	59.2	57.7	55.8	
28		53.3	53.0	52.8	52.3	51.9	51.2	50.7	50.1	49.6	48.9	47.7	45.8	
30			48.5	48.3	47.7	47.3	46.7	46.1	45.5	45.0	44.3	43.5	42.1	
32			43.9	43.8	43.1	42.7	42.1	41.5	40.9	40.4	39.7	39.2	38.3	
34				40.5	39.9	39.4	38.8	38.3	37.6	37.1	36.4	35.9	35.1	
38				34.0	33.5	32.9	32.3	31.8	31.1	30.6	29.9	29.4	28.7	
42					28.6	28.1	27.5	26.9	26.2	25.7	25.0	24.5	23.8	
48						22.5	21.9	21.3	20.6	20.1	19.4	18.9	18.2	
54							17.5	17.0	16.3	15.8	15.1	14.6	13.8	
58								14.7	14.0	13.5	12.7	12.2	11.4	
64									11.0	10.5	9.8	9.3	8.5	
68										8.9	8.1	7.5	6.8	
74											5.9	5.4	4.7	
78												4.5	3.8	
80												3.6	2.9	

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.主臂长度 “*” 标记处组合须使用1.31m腰绳，主臂长度超过78m必须使用斜楔辅助起臂。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节需拆去塔臂用导向滑轮。
4.标配主臂66m，最长可选配主臂96m。
5.起重性能>300t时，需额外购置使用特殊装置。

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. Standard boom length is 66m, optional longest boom length 96m.
5. When the lifting capacity is > 300t, additional equipment for special use is required.

1.2主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩特性
Boom working condition_boom single top aux. hook (with boom main hook, HBS/2)

主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩工作范围图
Boom working condition_boom single top aux. hook working range (with boom main hook, HBS/2)



主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩工作范围图
Boom working condition_boom single top aux. hook working range (with boom main hook, HBS/2)

主要工况特性
Main Working Conditions

主臂工况_带主臂主钩HBS/2_130t+50t的臂端滑轮副钩性能
Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_130t+50t)

HBS/2	主臂长度 boom length (m)											
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60 t	66 t	72 t	78* t	84* t	90* t
7	28.0											
8	28.0	28.0	28.0									
9	28.0	28.0	28.0	28.0	28.0							
10	28.0	28.0	28.0	28.0	28.0	28.0	28.0					
11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0			
12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	
13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
14	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
16	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
17	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
18	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
19	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
22	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
24		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
26		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
28		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
30			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
32			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
34				28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
36				28.0	28.0	28.0	27.9	27.6	27.2	26.9	26.6	26.4
38				28.0	28.0	28.0	27.7	27.1	26.4	25.8	25.1	24.7
42					24.0	23.6	23.0	22.5	21.8	21.2	20.4	19.9
44						21.8	21.2	20.7	20.0	19.4	18.6	18.1
48						18.2	17.5	17.0	16.3	15.8	15.1	14.6
50							16.1	15.6	14.9	14.4	13.7	13.2
54							13.3	12.8	12.1	11.6	10.9	10.4
58								10.5	9.9	9.4	8.6	8.1
64									6.9	6.5	5.7	5.2
68										4.9	4.1	3.6

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.主臂长度 “*” 标记处组合须使用1.31m腰绳，主臂长度超过78m必须使用斜楔辅助起臂。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节需拆去塔臂用导向滑轮。

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*” , 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

主臂工况_带主臂主钩HBS/2_135t+50t的臂端滑轮副钩性能（选配）
Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_135t+50t, optional)

HBS/2	主臂长度 boom length (m)												
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60 t	66 t	72 t	78* t	84* t	90* t	96* t
7	28.0												
8	28.0	28.0	28.0										
9	28.0	28.0	28.0	28.0	28.0								
10	28.0	28.0	28.0	28.0	28.0	28.0	28.0						
11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0				
12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0		
13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
14	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
16	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
17	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
18	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
19	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
22	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
24		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
26		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
28		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
30			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
32			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
34				28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
36				28.0	28.0	28.0	28.0	28.0	28.0	27.7	27.4	27.1	26.8
38				28.0	28.0	28.0	28.0	28.0	27.9	27.4	26.7	26.2	25.5
42					25.4	24.9	24.3	23.7	23.0	22.5	21.8	21.3	20.6
48						19.3	18.7	18.1	17.4	16.9	16.2	15.7	15.0
50							17.2	16.7	16.0	15.5	14.8	14.3	13.5
54							14.3	13.8	13.1	12.6	11.9	11.4	10.6
58								11.5	10.8	10.3	9.5	9.0	8.2
64									7.8	7.3	6.6	6.1	5.3
68										5.7	4.9	4.3	3.6
74											2.7		

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.主臂长度 “*” 标记处组合须使用1.31m腰绳，主臂长度超过78m必须使用斜楔辅助起臂。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节需拆去塔臂用导向滑轮。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*” , 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

主要工况特性
Main Working Conditions

主臂工况_带主臂主钩HBS/2_135t+50t的臂端滑轮副钩性能（选配）
Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_135t+50t, optional)

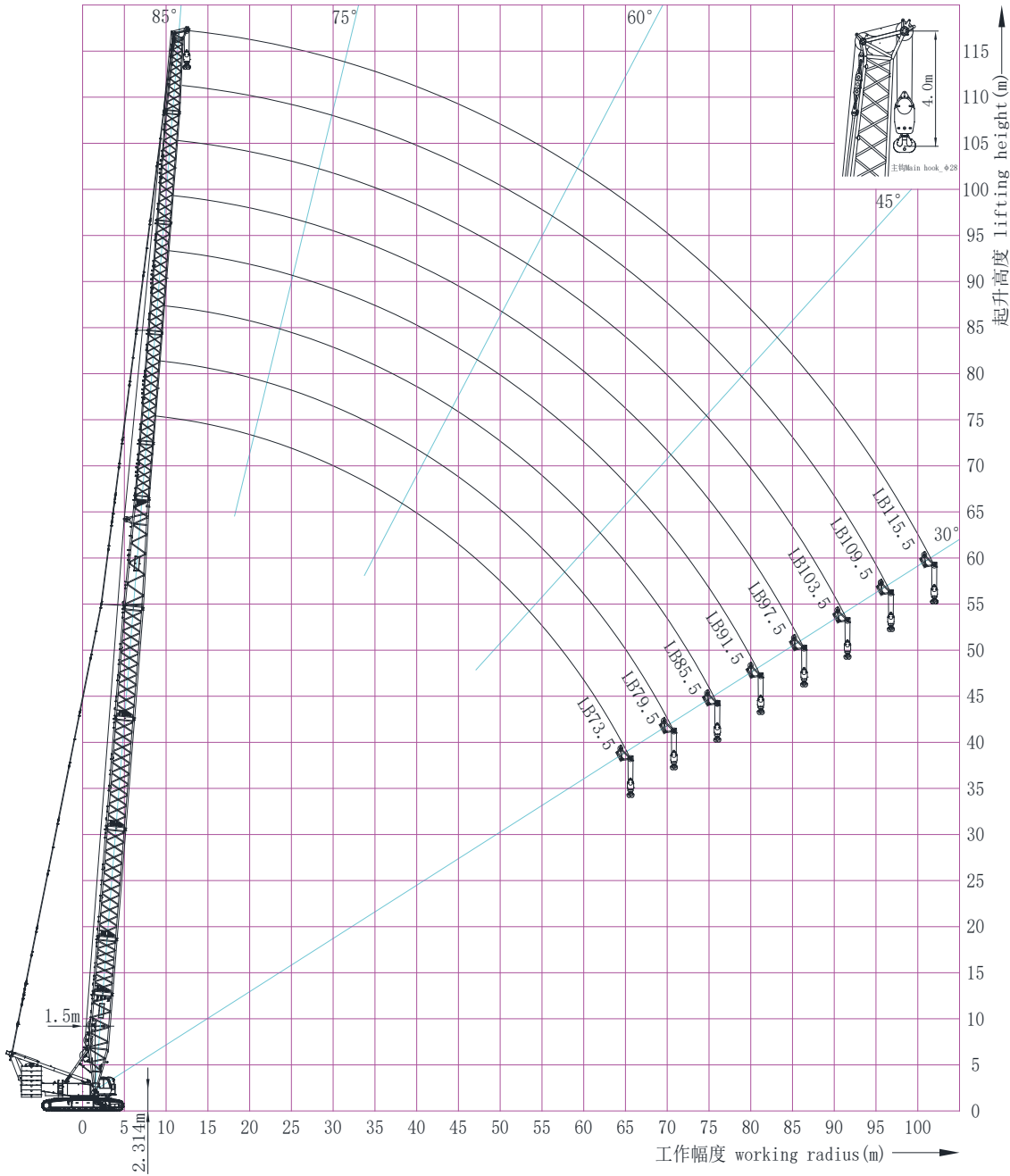
HBS/2	主臂长度 boom length (m)												
幅度 Radius (m)	24	30	36	42	48	54	60	66	72	78*	84*	90*	96*
	t	t	t	t	t	t	t	t	t	t	t	t	t
7	28.0												
8	28.0	28.0	28.0										
9	28.0	28.0	28.0	28.0	28.0								
10	28.0	28.0	28.0	28.0	28.0	28.0	28.0						
11	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0				
12	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0		
13	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
14	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
15	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
16	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
17	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
18	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
19	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
20	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
22	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
24		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
26		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
28		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
30			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
32			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
34				28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
36				28.0	28.0	28.0	28.0	28.0	28.0	27.7	27.4	27.1	26.8
38				28.0	28.0	28.0	28.0	28.0	27.9	27.4	26.7	26.2	25.5
42					25.4	24.9	24.3	23.7	23.0	22.5	21.8	21.3	20.6
48						19.3	18.7	18.1	17.4	16.9	16.2	15.7	15.0
50							17.2	16.7	16.0	15.5	14.8	14.3	13.5
54							14.3	13.8	13.1	12.6	11.9	11.4	10.6
58								11.5	10.8	10.3	9.5	9.0	8.2
64									7.8	7.3	6.6	6.1	5.3
68										5.7	4.9	4.3	3.6
74											2.7		

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.主臂长度 “*” 标记处组合须使用1.31m腰绳，主臂长度超过78m必须使用斜楔辅助起臂。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节需拆去塔臂用导向滑轮。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

2.1轻型主臂工况_无臂端滑轮(LB/1)的轻型主臂主钩特性
Light boom working condition_boom main hook (without tower jib single top, LB/1)

轻型主臂工况_无臂端滑轮(LB/1)的轻型主臂主钩工作范围图
Light boom working condition_boom main hook working range (without tower jib single top, LB/1)



轻型主臂工况_无臂端滑轮副钩(LB/1)的轻型主臂主钩工作范围图

Light boom working condition_boom main hook working range (without tower jib single top, LB/1)

主要工况特性
Main Working Conditions

轻型主臂工况_无臂端滑轮LB/1_130t+50t的轻型主臂主钩性能
Light boom working condition_light boom main hook lifting capacity table (without tower jib single top, LB/1_130t+50t)

LB/1	轻型主臂长度 light boom length (m)							
幅度 Radius (m)	73.5*	79.5*	85.5*	91.5*	97.5*	103.5**	109.5**	115.5**
9	100.0							
10	98.5	96.8	90.0					
11	95.0	93.3	89.0	73.6	65.7			
12	92.6	91.8	88.4	72.2	65.1	56.4	47.9	
13	90.1	89.6	87.0	70.9	64.5	55.9	47.5	40.6
14	88.2	88.1	86.1	69.7	63.8	55.4	47.1	40.2
16	84.4	85.0	83.9	67.2	62.5	54.2	46.2	39.4
18	80.2	82.0	81.7	65.0	61.3	52.4	45.2	38.6
20	76.5	77.9	75.5	62.7	59.9	50.6	44.3	37.8
22	72.7	70.4	68.2	60.7	58.7	49.0	43.1	36.9
24	65.5	64.1	62.0	58.7	57.5	47.4	41.7	36.1
26	58.6	58.1	56.7	55.2	53.5	45.9	40.5	35.3
28	52.9	52.4	51.6	50.7	49.2	44.4	39.3	34.3
30	48.0	47.5	46.8	46.4	45.3	44.0	38.1	33.3
32	43.9	43.3	42.5	42.2	41.7	40.9	37.1	32.3
34	40.3	39.6	38.9	38.6	38.0	37.8	36.0	31.5
36	36.7	36.5	35.8	35.4	34.9	34.6	34.2	30.5
38	33.9	33.3	32.9	32.6	32.0	31.7	31.3	29.7
40	31.5	30.9	30.1	30.0	29.5	29.2	28.8	28.5
42	29.3	28.7	27.9	27.6	27.2	26.9	26.5	26.2
44	27.3	26.7	25.9	25.5	25.0	24.9	24.4	24.2
48	23.4	23.2	22.4	22.0	21.5	21.2	20.9	20.6
52	20.6	20.0	19.6	19.2	18.6	18.2	17.8	17.7
56	18.2	17.6	16.9	16.7	16.1	15.8	15.4	15.1
60	16.1	15.5	14.7	14.3	14.0	13.7	13.2	12.9
64	14.2	13.6	12.9	12.5	12.0	11.9	11.4	11.1
70		11.3	10.6	10.2	9.7	9.4	9.0	8.7
74			9.3	8.9	8.4	8.1	7.6	7.4
76			8.7	8.3	7.8	7.5	7.0	6.8
80				7.2	6.6	6.4	5.9	5.6
86					5.2	4.7	4.3	4.0
92							3.1	2.8
94							2.7	

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2. “*” 轻型主臂组合需要使用1.27m腰绳。“***”轻型主臂组合需要使用1.27m和2.61m腰绳。
3. 主臂各臂节需拆去塔臂后拉板,主臂变径节需要安装塔臂用导向滑轮。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” Light boom length needs to use 1.27m center hitch; “***” Light boom length needs to use 1.27m and 2.61m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

轻型主臂工况_无臂端滑轮LB/1_135t+50t的轻型主臂主钩性能（选配）
Light boom working condition_light boom main hook lifting capacity table (without tower jib single top, LB/1_135t+50t, optional)

LB/1	轻型主臂长度 light boom length (m)							
幅度 Radius (m)	73.5*	79.5*	85.5*	91.5*	97.5*	103.5**	109.5**	115.5**
9	100.0							
10	99.0	97.5	92.0					
11	96.0	94.3	90.1	75.0	68.0			
12	94.0	92.6	89.2	73.4	66.1	58.0	49.0	
13	92.0	91.0	88.3	72.0	65.4	56.8	48.3	42.0
14	88.6	89.4	87.5	70.7	64.8	56.2	47.8	40.8
16	84.8	85.4	84.3	68.2	63.5	55.0	46.9	40.0
18	80.6	82.4	82.1	65.3	61.6	52.6	45.4	38.8
20	76.9	79.5	78.0	63.0	60.2	50.9	44.5	38.0
22	73.4	72.9	70.5	60.9	59.0	49.2	43.3	37.1
24	67.7	66.4	64.2	59.0	57.8	47.6	41.9	36.3
26	60.6	60.1	58.8	57.1	55.5	46.1	40.7	35.5
28	54.8	54.2	53.5	52.6	51.1	44.6	39.5	34.4
30	49.8	49.2	48.5	48.0	47.1	44.2	38.3	33.5
32	45.4	44.9	44.2	43.8	43.3	42.0	37.2	32.4
34	41.7	41.2	40.5	40.0	39.5	39.2	36.2	31.6
36	37.9	37.9	37.1	36.7	36.2	35.9	35.2	30.7
38	35.1	34.4	34.2	33.8	33.3	33.0	32.6	29.8
40	32.6	32.0	31.2	31.3	30.7	30.4	30.0	29.1
42	30.2	29.6	28.9	28.5	28.4	28.1	27.7	27.4
44	28.2	27.6	26.9	26.4	25.9	26.0	25.6	25.3
48	24.3	24.1	23.3	23.0	22.3	22.0	21.9	21.6
52	21.4	20.8	20.3	20.0	19.4	19.1	18.7	18.6
56	18.9	18.3	17.6	17.4	16.8	16.5	16.1	15.8
60	16.8	16.2	15.5	15.0	14.7	14.4	13.9	13.6
64	14.9	14.3	13.5	13.1	12.6	12.5	12.1	11.8
70		11.9	11.2	10.8	10.2	10.0	9.6	9.3
74			9.8	9.4	8.9	8.6	8.2	8.0
76				8.5	8.0	7.7	7.3	7.1
80				7.7	7.1	6.8	6.4	6.1
86					5.6	5.3	4.8	4.5
92							3.5	3.2
94							3.1	2.8

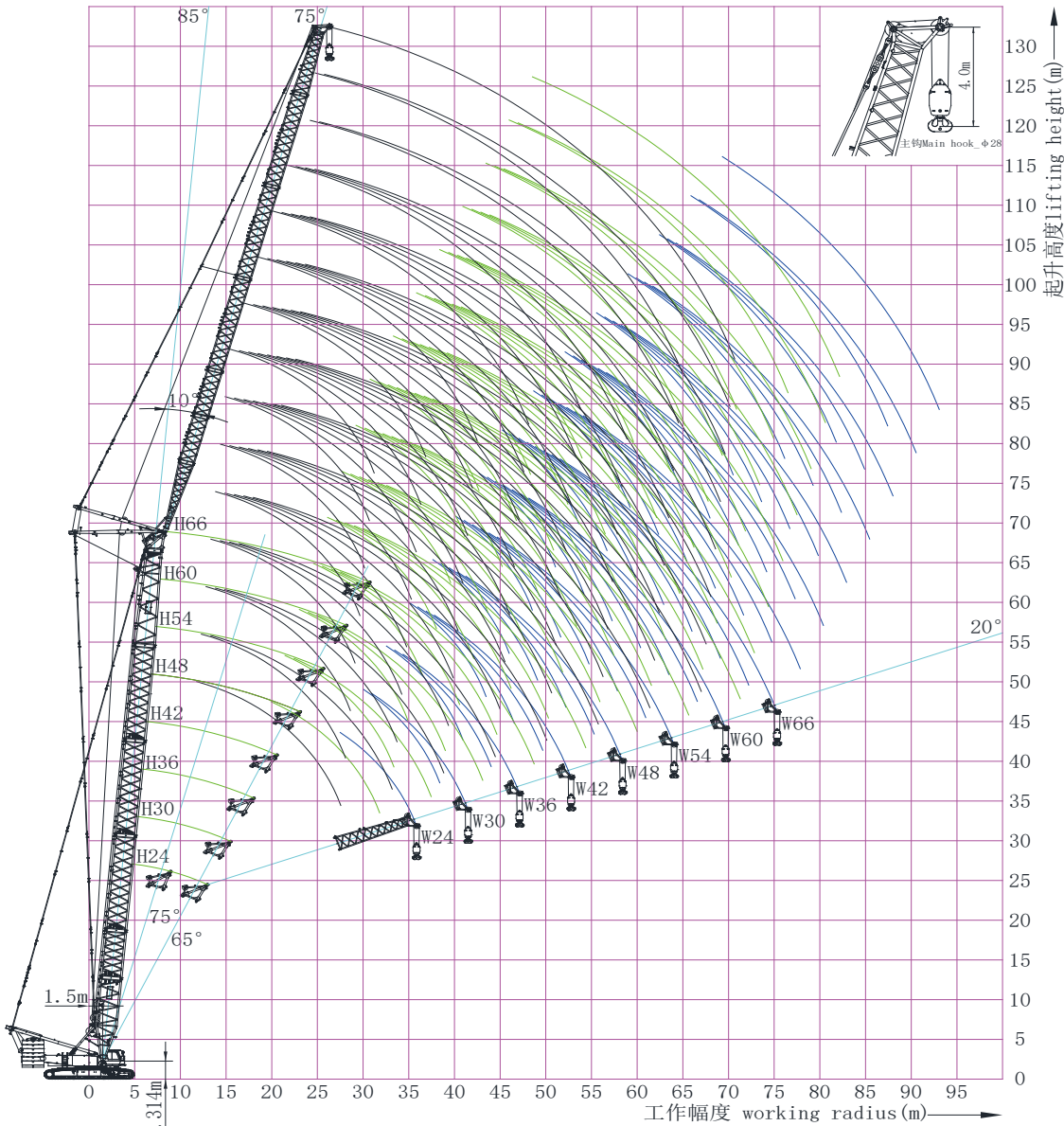
注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2. “*” 轻型主臂组合需要使用1.27m腰绳。“***”轻型主臂组合需要使用1.27m和2.61m腰绳。
3. 主臂各臂节需拆去塔臂后拉板,主臂变径节需要安装塔臂用导向滑轮。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” Light boom length needs to use 1.27m center hitch; “***” Light boom length needs to use 1.27m and 2.61m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

主要工况特性
Main Working Conditions

3.1塔式工况_无主臂滑轮组及塔臂单滑轮(HW/1)的塔臂主钩特性
Tower jib working condition_tower jib main hook (without boom pulley block and tower jib single top, HW/1)

塔式工况_无主臂滑轮组及塔臂单滑轮(HW/1)的塔臂主钩工作范围图
Tower jib working condition_tower jib main hook working range (without boom pulley block and tower jib single top, HW/1)



塔式工况_无主臂滑轮组及塔臂单滑轮(HW/1)的塔臂主钩工作范围图

Tower jib working condition_tower jib main hook working range (without boom pulley block and tower jib single top, HW/1)

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _130t+50t_30m的塔臂主钩性能
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_30m)

主臂长度 boom length (m)	30							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24	30	36	42	48	54	60◇	66☆
t	t	t	t	t	t	t	t	t
13	138.7							
14	132.1	114.5						
15	123.4	113.2						
16	115.8	111.8	94.5					
17	109.0	105.3	93.6	79.3				
18	102.9	99.5	92.9	78.8				
19	96.8	94.3	91.0	78.3	63.6			
20	90.6	89.6	86.5	77.8	63.5			
22	80.2	79.8	78.7	76.4	63.1	51.4	42.1	
24	71.9	71.5	70.7	70.0	62.7	51.0	41.6	34.6
26	65.0	64.7	64.0	63.3	62.2	50.4	41.2	34.2
28	59.1	58.9	58.2	57.7	56.7	50.0	40.7	33.7
30		54.0	53.4	52.9	52.0	49.5	40.2	33.3
32		49.9	49.3	48.8	47.8	47.3	39.8	32.8
34			45.6	45.2	44.3	43.7	39.3	32.4
36			42.4	42.0	41.2	40.6	38.9	32.0
38			39.7	39.2	38.4	37.9	37.1	31.5
40				36.7	35.9	35.4	34.6	30.7
42				34.4	33.7	33.2	32.5	29.3
44				32.4	31.8	31.3	30.5	28.0
46					29.9	29.4	28.7	26.7
48					28.2	27.8	27.1	25.5
50					26.7	26.3	25.6	24.3
52						24.9	24.3	23.2
54						23.5	23.0	22.1
56						22.4	21.9	20.7
58							20.7	19.4
60							19.7	18.2
62								17.1
64								16.0
6								15.0

注释:
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳; ☆--塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时, 请将履带驱动轮置于车体后方, 并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇--tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxilliary crane or wedge block to help boom raising.

主要工况特性
Main Working Conditions

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _130t+50t_42m的塔臂主钩性能
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_42m)

主臂长度 boom length (m)	42							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
14	122.2							
15	114.4	105.4						
16	107.6	103.9						
17	101.6	98.2	86.9					
18	96.2	93.0	86.7					
19	91.3	88.4	85.3	70.1				
20	86.8	84.0	81.2	70.0	56.6			
22	79.2	76.7	74.1	69.8	56.4	46.5		
24	71.4	70.5	68.1	66.0	56.2	46.3	38.3	
26	64.6	64.2	62.9	61.1	55.9	46.0	38.0	31.8
28	58.8	58.4	57.7	56.7	54.6	45.7	37.6	31.5
30		53.6	53.0	52.4	51.0	45.4	37.3	31.1
32		49.4	48.8	48.3	47.4	44.4	37.0	30.8
34		45.7	45.3	44.7	43.8	41.9	36.7	30.5
36			42.1	41.6	40.8	39.4	35.4	30.2
38			39.3	38.8	38.1	36.9	33.5	29.8
40			36.8	36.4	35.6	34.6	31.7	28.6
42				34.1	33.4	32.2	29.9	27.2
44				31.3	31.0	29.9	28.1	25.8
46				28.4	28.4	27.8	26.3	24.4
48					26.1	25.8	24.6	23.0
50					23.9	23.8	22.9	21.5
52						21.9	21.2	20.1
54						20.2	19.7	18.9
56						18.6	18.3	17.6
58							16.9	16.4
60							15.6	15.3
62							14.4	14.2
64								13.1
66								12.1
68								11.1

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇---塔臂组合需要使用2.590m腰绳；☆---塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇---tower jib combination length needs to use 2.590m center hitch; ☆--- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _130t+50t_54m的塔臂主钩性能
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_54m)

主臂长度 boom length (m)	54							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
15	105.9							
16	99.8	88.2						
17	94.5	87.6						
18	89.6	86.6	72.5					
19	85.2	82.4	72.1					
20	81.3	78.6	71.6	60.0				
22	74.3	71.9	69.5	59.6	49.4			
24	68.4	66.2	64.0	58.8	49.1	41.3	34.6	
26	63.3	61.3	59.2	55.0	48.8	41.1	34.4	29.2
28	58.2	57.1	54.8	51.1	46.4	40.8	34.1	28.9
30	52.8	51.9	50.1	47.4	43.4	39.4	33.9	28.7
32		46.8	45.6	43.7	40.5	37.1	33.2	28.5
34		42.1	41.5	40.1	37.7	34.9	31.5	28.1
36			37.6	36.8	34.9	32.7	29.7	26.8
38			34.1	33.6	32.2	30.5	28.0	25.4
40			31.0	30.8	29.6	28.3	26.3	24.0
42				28.1	27.3	26.3	24.6	22.7
44				25.6	25.1	24.3	22.9	21.2
46				23.3	23.0	22.4	21.2	19.9
48					21.1	20.7	19.7	18.6
50					19.3	19.1	18.3	17.3
52					17.6	17.5	16.9	16.1
54						16.0	15.6	14.9
56						14.7	14.4	13.8
58						13.4	13.2	12.8
60							12.1	11.8
62							11.1	10.8
64								9.9
66								9.1
68								8.3

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇---塔臂组合需要使用2.590m腰绳；☆---塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇---tower jib combination length needs to use 2.590m center hitch; ☆--- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

主要工况特性
Main Working Conditions

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _130t+50t_66m的塔臂主钩性能
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_66m)

主臂长度 boom length (m)	66							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
16	81.6							
17	80.0	69.8						
18	78.4	68.9						
19	76.6	67.9	58.9					
20	74.9	66.8	58.3					
22	68.3	63.4	57.1	49.7	42.4			
24	61.9	58.2	53.8	48.9	42.0	36.1		
26	55.9	53.3	49.8	45.9	40.5	35.8	30.6	
28	50.6	48.5	45.9	42.7	38.9	35.1	30.3	26.1
30	45.6	44.1	42.1	39.7	36.4	33.2	29.6	25.9
32		40.1	38.5	36.7	34.0	31.3	28.1	25.1
34		36.4	35.3	33.8	31.7	29.3	26.6	23.9
36		33.0	32.2	31.1	29.3	27.4	25.1	22.7
38			29.3	28.5	27.1	25.6	23.6	21.4
40			26.8	26.1	25.0	23.8	22.1	20.1
42			24.3	23.9	23.0	22.0	20.5	18.9
44				21.8	21.1	20.3	19.0	17.7
46				20.0	19.4	18.8	17.7	16.5
48				18.2	17.8	17.3	16.4	15.4
50					16.3	15.8	15.1	14.2
52					14.9	14.6	14.0	13.2
54						13.4	12.8	12.2
56						12.3	11.8	11.2
58						11.2	10.8	10.3
60							9.9	9.5
62							9.0	8.6
64							8.2	7.9
66								7.1
68								6.4
70								5.7

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳；☆--塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _135t+50t_24m的塔臂主钩性能(选配)
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_24m, optional)

主臂长度 boom length (m)	24							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
12	148.0							
13	144.2							
14	140.2	118.4						
15	135.0	116.6	98.8					
16	123.7	115.0	97.7					
17	115.7	112.3	96.6	82.4				
18	107.3	106.1	95.5	81.7	67.8			
19	100.0	99.6	94.6	81.0	67.5			
20	93.7	93.2	92.1	80.2	67.3	54.6		
22	82.9	82.5	81.7	78.8	66.8	54.0	44.0	
24	74.3	73.9	73.1	72.6	66.2	53.4	43.4	36.1
26	67.2	66.9	66.1	65.6	64.6	52.8	42.9	35.5
28		60.9	60.3	59.7	58.8	52.3	42.3	35.0
30		55.9	55.3	54.8	53.9	51.7	41.8	34.5
32		51.5	51.0	50.5	49.6	49.1	41.2	34.0
34			47.3	46.8	45.9	45.4	40.6	33.5
36			44.0	43.5	42.6	42.1	40.1	33.0
38			41.0	40.6	39.8	39.3	38.4	32.0
40				38.0	37.3	36.7	36.0	30.5
42				35.7	35.0	34.5	33.8	29.1
44				33.1	32.9	32.4	31.7	28.5
46					31.1	30.6	29.8	27.2
48					29.4	28.9	28.2	25.9
50					26.8	27.3	26.7	24.7
52						25.9	25.3	23.5
54						24.6	24.0	22.1
56							22.7	20.7
58							21.6	19.4
60							20.5	18.1
62								16.8
64								15.7
6								14.6

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳；☆--塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

主要工况特性
Main Working Conditions

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _135t+50t_36m的塔臂主钩性能(选配)
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_36m, optional)

主臂长度 boom length (m)	36							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
13	135.5							
14	131.1							
15	122.6	110.5						
16	115.2	109.6	91.7					
17	108.6	104.9	91.3					
18	102.7	99.4	90.6	75.5				
19	97.4	94.3	90.0	75.5				
20	92.6	89.6	86.6	75.4	60.4			
22	82.5	81.7	78.9	75.2	60.1	49.2		
24	73.9	73.5	72.4	70.3	59.9	48.9	40.0	33.6
26	66.9	66.4	65.7	64.9	59.5	48.6	39.7	33.2
28	60.9	60.5	59.8	59.3	58.0	48.1	39.3	32.8
30		55.6	54.9	54.4	53.4	47.7	38.9	32.4
32		51.2	50.7	50.2	49.3	47.4	38.5	32.0
34		47.4	47.0	46.5	45.6	45.0	38.2	31.6
36			43.7	43.3	42.3	41.8	37.8	31.2
38			40.8	40.4	39.6	39.0	37.0	30.8
40				37.8	37.0	36.4	35.2	30.4
42				35.4	34.8	34.2	33.3	30.1
44				33.4	32.7	32.1	31.4	28.8
46					30.8	30.3	29.6	27.6
48					29.2	28.7	27.8	26.3
50					27.3	27.1	26.1	24.9
52						25.3	24.7	23.5
54						23.7	23.2	22.1
56						21.8	21.5	20.7
58							20.0	19.4
60							18.5	18.2
62							17.2	17.0
64								15.7
66								14.7
68								13.5

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳；☆--塔臂组合需要使用3.905m腰绳。
3. 主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇--tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _135t+50t_48m的塔臂主钩性能(选配)
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_48m, optional)

主臂长度 boom length (m)	48							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius (m)	24 t	30 t	36 t	42 t	48 t	54 t	60◇ t	66☆ t
14	121.1							
15	113.6							
16	107.0	98.7						
17	101.1	97.8	80.0					
18	95.8	92.7	79.9					
19	91.1	88.2	79.7	65.4				
20	86.7	84.0	79.4	65.3				
22	79.3	76.8	74.2	65.0	53.2	44.3		
24	73.0	70.6	68.3	65.4	52.9	44.1	36.6	
26	66.3	65.4	63.1	60.4	52.7	43.9	36.4	30.6
28	60.4	60.0	58.8	56.1	50.7	43.6	36.1	30.3
30		55.1	54.4	52.5	48.2	42.8	35.8	30.1
32		50.8	50.0	48.7	45.1	40.5	35.5	29.8
34		46.6	46.1	44.7	41.9	38.9	34.2	29.5
36			41.9	41.0	39.0	36.4	32.4	29.0
38			37.9	37.5	36.0	34.1	31.2	27.6
40			34.4	34.2	33.2	31.6	29.4	26.1
42				31.2	30.5	29.4	27.5	25.3
44				28.5	28.2	27.3	25.7	23.9
46				26.0	25.8	25.2	24.0	22.4
48					23.7	23.4	22.2	21.0
50					21.6	21.5	20.8	19.7
52					19.9	19.9	19.2	18.3
54						18.3	17.9	17.1
56						16.7	16.6	15.9
58							15.2	14.8
60							14.0	13.6
62							12.8	12.6
64								11.5
66								10.6
68								9.7

注释：
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳；☆--塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时，请将履带驱动轮置于车体后方，并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇--tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

主要工况特性
Main Working Conditions

塔式工况_无主臂滑轮组及塔臂单滑轮HW/1_85° _135t+50t_66m的塔臂主钩性能(选配)
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_66m, optional)

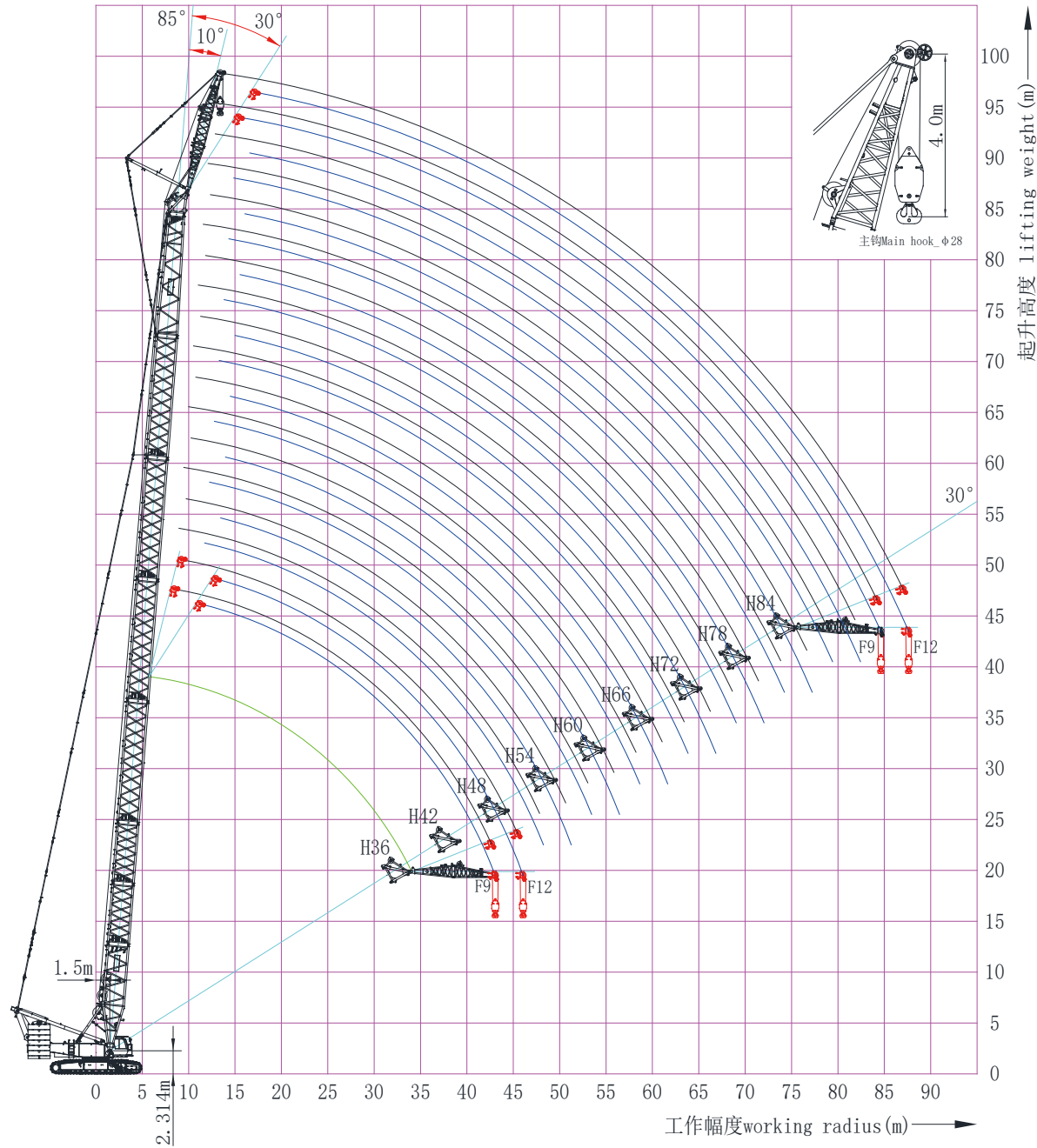
主臂长度 boom length (m)	66							
HW/1	塔臂长度tower jib length (m)							
幅度 Radius	24	30	36	42	48	54	60◇	66☆
(m)	t	t	t	t	t	t	t	t
16	82.0							
17	80.4	70.2						
18	80.0	69.2						
19	78.2	69.4	59.2					
20	76.4	68.3	58.6					
22	69.7	64.8	58.5	50.0	42.6			
24	63.1	59.4	55.1	49.1	42.2	36.3		
26	57.0	54.4	51.0	47.1	41.3	36.0	30.7	
28	51.6	49.6	47.1	43.9	39.9	35.3	30.4	26.2
30	46.7	45.1	43.2	40.7	37.5	34.2	29.7	26.0
32		41.1	39.6	37.7	35.0	32.2	29.0	25.2
34		37.3	36.3	34.7	32.6	30.3	27.5	24.8
36		33.8	33.2	32.0	30.2	28.3	26.0	23.5
38			30.3	29.4	28.1	26.4	24.4	22.2
40			27.6	27.0	25.7	24.6	22.8	20.9
42			25.1	24.7	23.9	22.7	21.3	19.7
44				22.6	21.9	21.1	19.7	18.4
46				20.7	20.1	19.5	18.4	17.2
48				18.8	18.5	18.0	17.1	16.1
50					17.0	16.5	15.8	14.9
52					15.5	15.3	14.7	13.7
54						14.0	13.4	12.8
56						12.9	12.3	11.7
58						11.7	11.3	10.8
60							10.4	10.0
62							9.5	9.1
64							8.6	8.3
66								7.6
68								6.9
70								6.2

注释:
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2.◇--塔臂组合需要使用2.590m腰绳; ☆--塔臂组合需要使用3.905m腰绳。
3.主臂臂节需拆去固定副臂后拉板,主臂变径节需要安装塔臂用导向滑轮。
4.起臂时, 请将履带驱动轮置于车体后方, 并推荐使用辅助起重机或斜楔块辅助起臂。

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇--tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

4.1固定副臂工况_无主臂滑轮组(HF/1)的固定副臂主钩特性
Fixed jib working condition_fixed jib main hook (without boom pulley block, HF/1)

固定副臂工况_无主臂滑轮组(HF/1)的固定副臂主钩工作范围图
Fixed jib working condition_fixed jib main hook working range (without boom pulley block, HF/1)



固定副臂工况_无主臂滑轮组(HF/1)的固定副臂主钩工作范围图

Fixed jib working condition_fixed jib main hook working range (without boom pulley block, HF/1)

主要工况特性
Main Working Conditions

固定副臂工况_无主臂滑轮组HF12/1_10° _130t+50t固定副臂主钩性能
Fixed jib working condition_fixed jib main hook (without boom pulley block, HF12/1_10° _130t+50t)

HF12/1	主臂长度 boom length (m)								
副臂主钩Fixed jib main hook	36	42	48	54	60	66	72	78*	84*
幅度 Radius (m)	t	t	t	t	t	t	t	t	t
10	126.2	126.3							
11	125.1	125.1	124.6	123.9					
12	124.0	124.5	123.7	123.1	122.2	111.6			
13	123.0	123.4	122.8	122.3	121.5	109.6	99.9	88.2	
14	122.1	122.7	122.0	118.0	113.8	107.8	99.1	87.7	76.9
16	114.0	113.8	106.1	102.5	99.0	95.7	92.5	85.3	75.9
18	97.4	97.4	93.3	90.3	87.3	84.5	81.6	79.0	75.0
20	83.6	84.1	83.0	80.4	77.7	75.2	72.8	70.4	68.1
22	73.4	73.6	72.7	72.2	69.8	67.5	65.3	63.2	61.1
24	65.0	65.3	64.2	63.7	63.0	61.1	59.0	57.1	55.2
26	58.3	58.3	57.3	56.8	56.2	55.5	53.6	51.9	50.0
28	52.6	52.6	51.5	50.9	50.3	49.7	48.9	47.3	45.6
30	47.8	47.8	46.5	46.0	45.3	44.8	44.1	43.3	41.6
32	43.6	43.5	42.3	41.8	41.1	40.5	39.9	39.3	38.1
34	39.8	39.9	38.6	38.1	37.4	36.8	36.1	35.6	34.9
36	36.5	36.6	35.5	34.9	34.1	33.5	32.9	32.3	31.6
38	34.0	33.7	32.6	32.0	31.3	30.6	29.9	29.4	28.7
40	31.3	31.3	30.0	29.5	28.8	28.2	27.4	26.9	26.2
42	29.1	28.9	27.8	27.2	26.4	25.8	25.1	24.6	23.9
44	27.2	26.9	25.7	25.1	24.4	23.8	23.1	22.5	21.8
46	24.5	24.4	23.9	23.3	22.6	21.9	21.1	20.6	19.9
48	22.8	22.8	22.1	21.5	20.8	20.2	19.5	18.9	18.2
50	21.2	21.1	20.6	20.0	19.3	18.7	17.8	17.3	16.6
52			19.1	18.6	17.8	17.2	16.4	15.9	15.2
54			17.7	17.2	16.5	15.9	15.1	14.6	13.8
56				16.0	15.3	14.7	13.8	13.4	12.6
60				13.7	13.0	12.4	11.7	11.2	10.4
66					10.3	9.6	8.9	8.4	7.6
68						8.8	8.1	7.6	6.8
70						8.0	7.3	6.8	6.0
76							5.2	4.7	4.0
80								3.5	2.8

- 1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2. “*” --表示主臂组合需要使用1.31m腰绳。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节拆去塔臂用导向滑轮。
4.起臂时请将履带驱动轮置于车体后方。

- Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” --boom combination length needs to use 1.31m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. For boom raising, position crawler drive sprocket at the rear of the crane.

固定副臂工况_无主臂滑轮组HF9/1_10° _135t+50t固定副臂主钩性能(选配)
Fixed jib working condition_fixed jib main hook (without boom pulley block, HF9/1_10° _135t+50t, optional)

HF9/1	主臂长度 boom length (m)								
副臂主钩Fixed jib main hook	36	42	48	54	60	66	72	78*	84*
幅度 Radius (m)	t	t	t	t	t	t	t	t	t
9	145.0								
10	143.5	143.0	142.5						
11	142.3	142.0	141.3	140.3	139.0				
12	141.3	141.1	140.6	139.7	138.3	125.2	111.5		
13	140.5	140.4	139.6	134.4	129.4	123.0	110.4	96.9	84.4
14	139.0	134.0	129.0	124.4	119.8	115.6	109.5	96.4	83.9
16	119.3	115.8	111.7	108.0	104.2	100.7	97.2	93.9	82.7
18	101.0	100.6	98.1	95.0	91.7	88.7	85.8	83.0	80.2
20	87.2	86.7	86.2	84.4	81.6	79.0	76.4	73.9	71.4
22	76.3	75.9	75.3	74.9	73.2	70.9	68.5	66.4	64.2
24	67.6	67.2	66.6	66.0	65.4	64.1	62.0	60.0	57.9
26	60.5	60.0	59.4	58.9	58.2	57.7	56.3	54.4	52.5
28	54.5	54.1	53.4	52.8	52.2	51.6	51.0	49.6	47.8
30	49.4	49.0	48.3	47.7	47.1	46.5	45.9	45.2	43.7
32	45.0	44.6	43.9	43.4	42.6	42.1	41.4	40.8	40.0
34	41.3	40.8	40.1	39.5	38.9	38.3	37.5	36.9	36.3
36	38.0	37.4	36.8	36.2	35.5	34.9	34.2	33.6	32.9
38	34.9	34.5	33.8	33.3	32.6	31.9	31.2	30.6	29.8
40	32.2	31.8	31.2	30.7	30.0	29.3	28.5	28.0	27.2
42	29.8	29.5	28.8	28.3	27.6	26.9	26.2	25.6	24.9
44		27.4	26.7	26.1	25.4	24.8	24.0	23.4	22.7
46		25.4	24.8	24.2	23.5	22.9	22.0	21.5	20.7
48			23.0	22.5	21.7	21.1	20.3	19.8	18.9
50			21.3	20.8	20.1	19.4	18.7	18.1	17.4
52			19.9	19.3	18.6	18.0	17.2	16.6	15.8
54				17.9	17.2	16.6	15.8	15.3	14.5
58				15.5	14.8	14.1	13.4	12.8	12.1
62					12.6	12.1	11.2	10.7	9.9
68						9.3	8.5	8.0	7.2
72							7.0	6.4	5.7
78								4.4	3.6
80									3.0

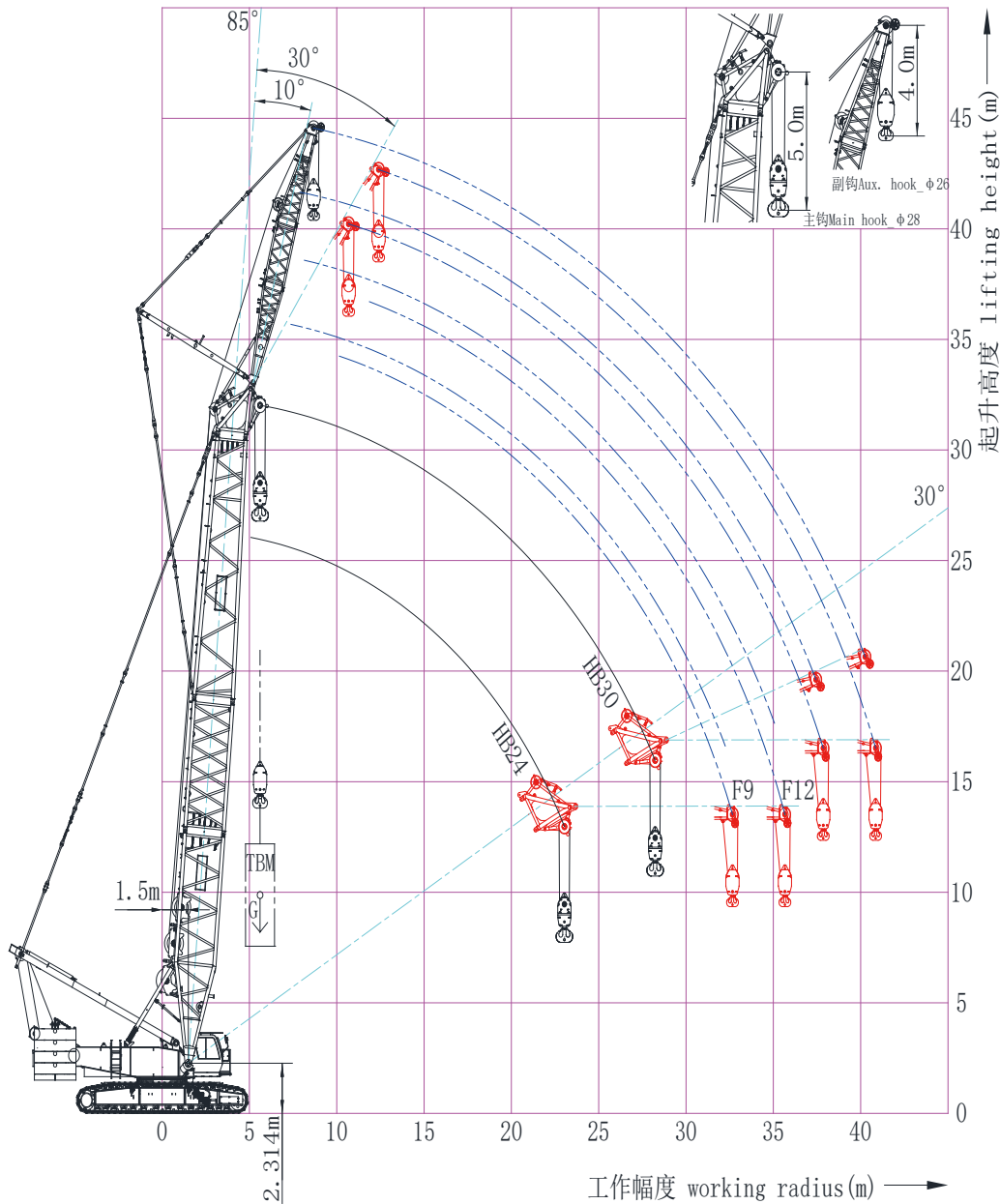
- 注释:
1.实际吊载须从表中数值中减去吊钩、吊具及缠绕在吊钩及臂架头部钢丝绳的重量。
2. “*” --表示主臂组合需要使用1.31m腰绳。
3.主臂各臂节需拆去塔臂后拉板,主臂变径节拆去塔臂用导向滑轮。
4.起臂时请将履带驱动轮置于车体后方。

- Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” --boom combination length needs to use 1.31m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. For boom raising, position crawler drive sprocket at the rear of the crane.

主要工况特性
Main Working Conditions

5.1盾构工况_盾构臂副钩空钩(TBF/1)的主臂主钩特性
TBM working condition_boom main hook (no load on TBM jib aux. hook, TBF/1)

盾构工况_盾构臂副钩空钩(TBF/1)的主臂主钩工作范围图
TBM working condition_boom main hook working range (no load on TBM jib aux. hook, TBF/1)



盾构工况_盾构臂副钩空钩(TBF/1)的主臂主钩工作范围图

TBM working condition_boom main hook working range (no load on TBM jib aux. hook, TBF/1)

盾构工况_盾构臂副钩空钩(TBF/1_F9_10°)的主臂主钩性能
TBM working condition_boom main hook lifting capacity table (no load on TBM jib aux. hook, TBF/1_F9_10°)

主臂长度 boom length (m)	24				30			
盾构臂长度 Jib length (m)	9				9			
主副臂夹角 Angle between boom and jib (°)	10°				10°			
转台配重 Turntablecounterweight (t)	130	110	90	135[选配optional]	130	110	90	135[选配optional]
车身配重 Car-body counterweight (t)	50	50	50	50	50	50	50	50
主钩幅度 Main hook radius (m)	t	t	t	t	t	t	t	t
7	300.0	300.0	285.0	300.0	300.0	290.0	265.0	300.0
8	284.7	267.3	234.7	290.0	280.5	248.3	218.7	284.0
10	222.6	197.1	172.7	228.4	210.3	185.8	163.3	212.8
12	164.5	145.1	126.7	168.5	164.2	144.8	127.0	166.4
13	144.8	127.7	111.1	148.6	144.4	127.3	111.1	146.4
14	129.0	113.4	98.5	131.3	128.6	113.0	98.6	130.3
16	105.0	91.9	79.4	107.1	104.4	91.5	79.3	106.0
18	87.6	76.5	65.7	89.3	87.1	76.0	65.5	88.4
20	74.4	64.7	55.2	76.0	74.0	64.1	55.0	75.3
22	64.1	55.4	47.1	65.7	63.6	55.0	46.8	64.9
24					55.4	47.6	40.2	56.4
28					42.8	36.4	30.1	43.7

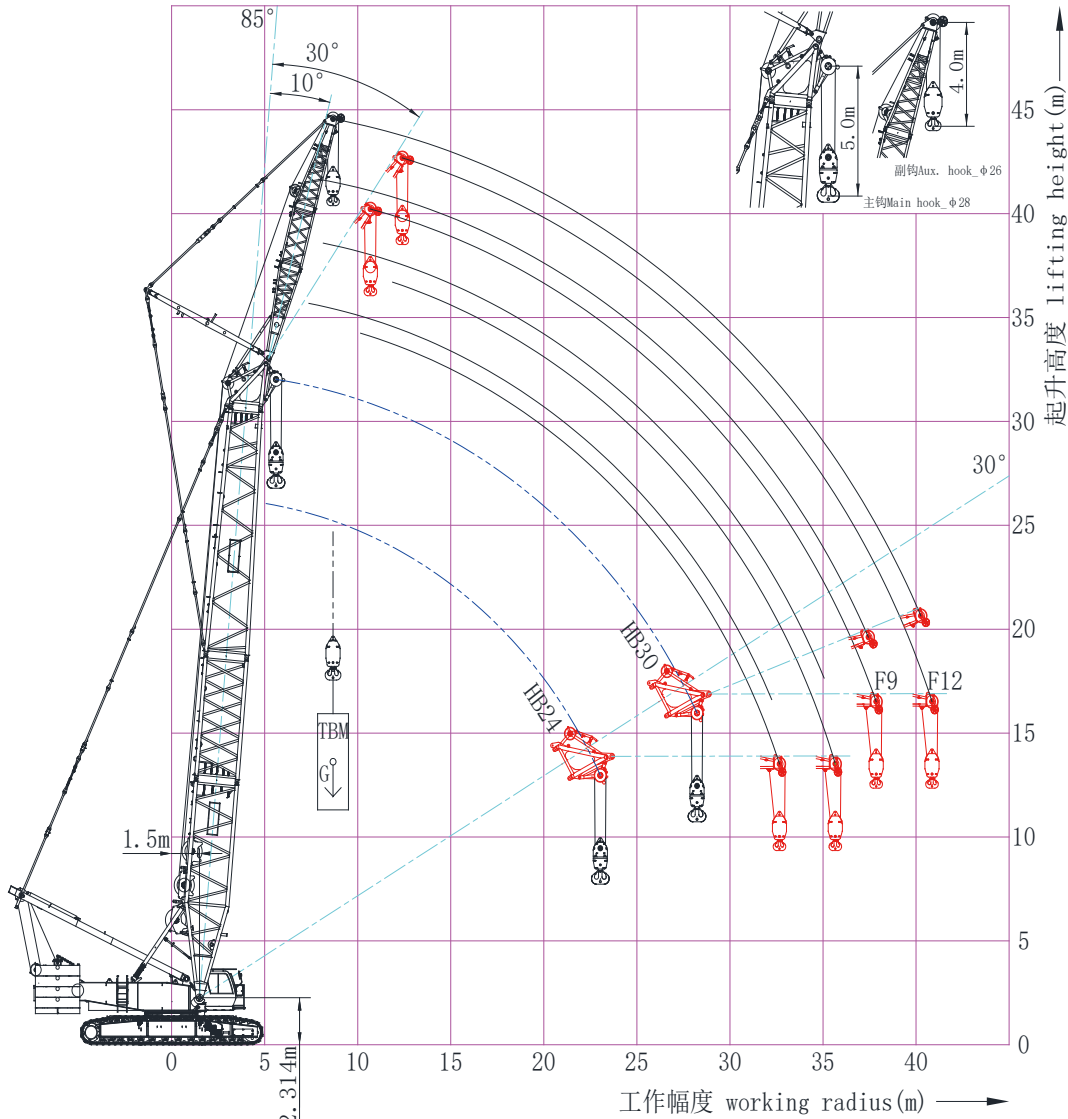
盾构工况_盾构臂副钩空钩(TBF/1_F12_30°)的主臂主钩性能
TBM working condition_boom main hook lifting capacity table (no load on TBM jib aux. hook, TBF/1_F12_30°)

主臂长度boom length (m)	24				30			
盾构臂长度 Jib length (m)	12				12			
主副臂夹角 Angle between boom and jib (°)	30°				30°			
转台配重 Turntablecounterweight (t)	130	110	90	135[选配optional]	130	110	90	135[选配optional]
车身配重 Car-body counterweight (t)	50	50	50	50	50	50	50	50
主钩幅度 Main hook radius (m)	t	t	t	t	t	t	t	t
7	300.0	295.0	282.0	300.0	293.0	282.0	262.0	295.0
8	281.3	264.5	231.9	284.4	276.2	244.6	214.1	279.6
10	219.5	194.5	170.1	223.2	206.2	182.4	159.0	209.0
12	161.6	142.7	124.2	164.6	160.4	141.5	123.0	162.6
13	142.1	125.2	108.7	144.7	140.7	123.9	107.3	142.7
14	126.4	111.1	96.2	128.8	124.9	109.7	94.8	126.9
16	102.4	89.5	77.1	104.4	101.0	88.2	75.7	102.5
18	85.1	74.1	63.3	87.0	83.6	72.7	61.9	85.1
20	72.0	62.4	53.0	73.6	70.7	61.0	51.6	71.9
22	61.8	53.2	44.9	63.2	60.4	51.9	43.4	61.5
24					52.1	44.5	36.9	53.2
28					39.7	33.2	26.9	40.6

主要工况特性
Main Working Conditions

5.2盾构工况_主臂主钩空钩(TBF/2)的盾构臂副钩特性
TBM working condition_TBM jib aux. hook (no load on boom main hook, TBF/2)

盾构工况_主臂主钩空钩(TBF/2)的盾构臂副钩工作范围图
TBM working condition_TBM jib aux. hook working range (no load on boom main hook, TBF/2)



盾构工况_主臂主钩空钩(TBF/2)的盾构臂副钩工作范围

TBM working condition_TBM jib aux. hook working range (no load on boom main hook, TBF/2)

盾构工况_主臂主钩空钩(TBF/2_F9_10°)的盾构臂副钩性能
TBM working condition_ TBM jib aux. hook lifting capacity table (no load on boom mian hook, TBF/2_F9_10°)

主臂长度 boom length (m)	24				30			
盾构臂长度 Jib length (m)	9				9			
主副臂夹角 Angle between boom and jib (°)	10°				10°			
转台配重 Turntablecounterweight (t)	130	110	90	135[选配optional]	130	110	90	135[选配optional]
车身配重 Car-body counterweight (t)	50	50	50	50	50	50	50	50
主钩幅度 Main hook radius (m)	t	t	t	t	t	t	t	t
8	148.0	146.0	144.0	150.0	145.0	144.0	143.4	146.0
10	144.2	140.8	140.1	145.9	141.7	140.3	140.3	142.2
12	139.2	137.9	133.1	141.3	139.8	138.5	126.9	140.9
13	138.2	136.1	119.9	139.3	138.8	131.8	115.5	139.6
14	137.5	122.0	107.3	138.4	135.8	121.0	105.9	137.9
16	113.9	100.5	88.1	117.7	113.4	100.0	87.6	117.2
18	96.5	84.8	74.2	99.8	95.9	84.3	73.6	99.2
20	83.3	73.1	63.7	86.1	82.7	72.5	63.2	85.5
22	73.0	63.9	55.6	75.5	72.3	63.3	54.9	74.9
24	64.7	56.6	49.1	67.0	64.1	55.9	48.4	66.3
28	52.1	45.2	39.1	54.0	51.5	44.6	38.5	53.3
32	42.9	37.2	31.7	44.6	42.3	36.7	31.2	44.0
36					35.4	30.4	25.8	36.9

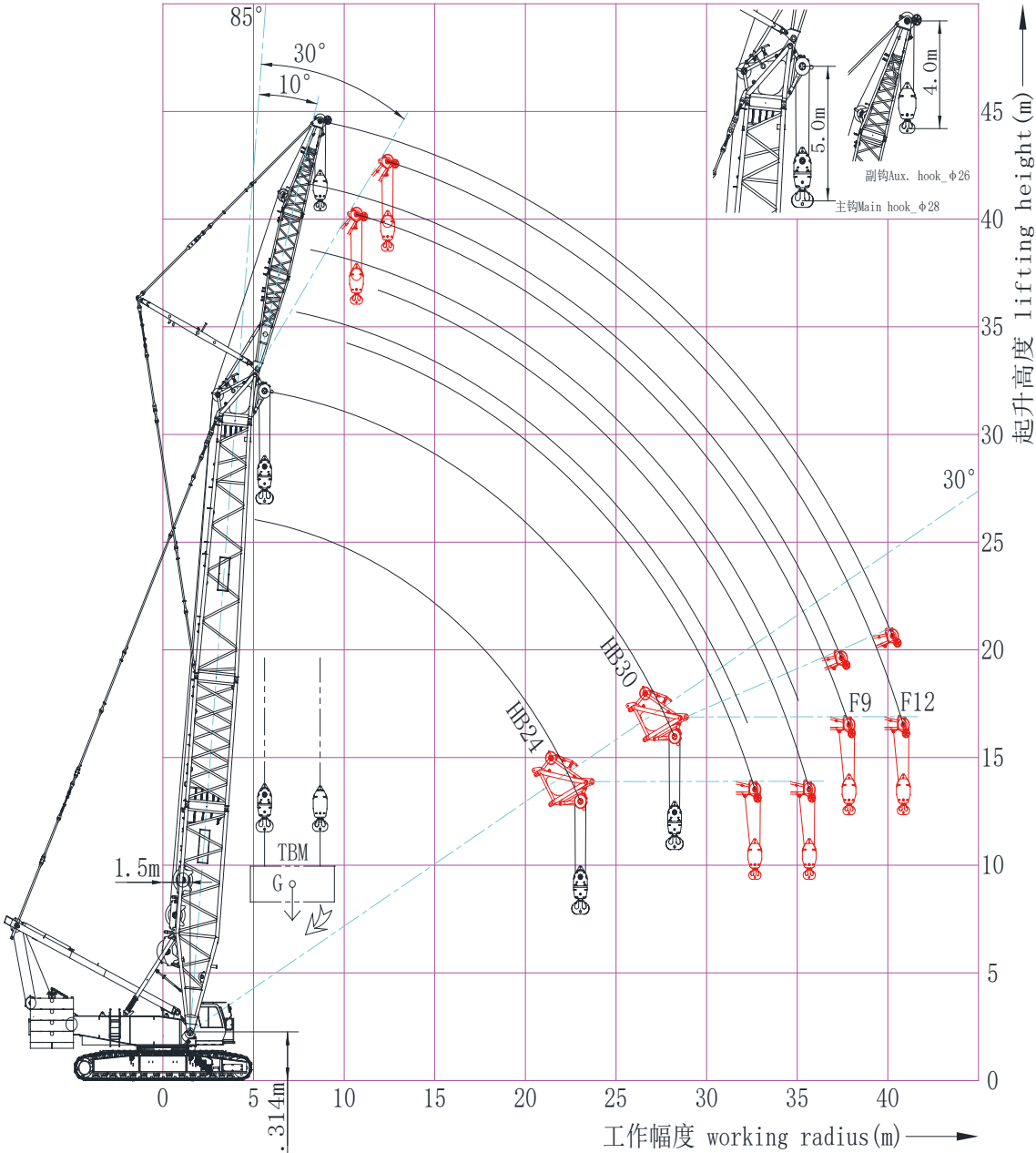
盾构工况_主臂主钩空钩(TBF/2_F12_30°)的盾构臂副钩性能
TBM working condition_ TBM jib aux. hook lifting capacity table (no load on boom main hook, TBF/2_F12_30°)

主臂长度boom length (m)	24				30			
盾构臂长度 Jib length (m)	12				12			
主副臂夹角 Angle between boom and jib (°)	30°				30°			
转台配重 Turntablecounterweight (t)	130	110	90	135[选配optional]	130	110	90	135[选配optional]
车身配重 Car-body counterweight (t)	50	50	50	50	50	50	50	50
主钩幅度 Main hook radius (m)	t	t	t	t	t	t	t	t
12	127.0	126.0	126.0	127.0				
13	122.0	120.8	120.8	122.0	125.0	124.0	118.0	125.0
14	116.7	115.8	110.4	116.7	120.1	119.1	108.0	120.1
16	109.1	103.0	90.7	109.1	113.0	102.9	90.5	113.0
18	98.6	87.2	76.5	101.8	98.3	86.9	76.3	101.5
20	85.1	75.0	65.8	88.0	84.8	74.7	65.4	87.6
22	74.5	65.7	57.4	77.1	74.1	65.3	57.0	76.6
26	59.1	51.8	44.9	61.2	58.7	51.4	44.5	60.7
30	48.2	42.0	36.4	49.9	47.8	41.6	35.8	49.5
34	40.0	34.6	29.7	41.5	39.7	34.2	29.3	41.2
36					36.3	31.3	26.7	37.8
40					30.7	26.3	22.0	31.9

主要工况特性
Main Working Conditions

5.3盾构工况_主副钩联合(TBF)双钩复合吊装特性
TBM working condition_main and aux. hook blocks combined lifting capacity table (TBF)

盾构工况_主副钩联合(TBF)双钩复合吊装工作范围图
TBM working condition_main and aux. hook blocks working range (TBF)



盾构工况_主副钩联合(TBF)的双钩复合吊装工作范围图

TBM working condition_main and aux. hook blocks working range (TBF)

盾构工况_主副钩联合TBF_HB24+F9_10° _130t+50t双钩复合吊装性能
TBM working condition_main and aux. hook blocks combined lifting capacity table (TBF_HB24+F9_10° _130t+50t)

主钩基准幅度 Main hook working radius	主臂参考角度 Boom reference angle	主钩性能 Main hook perfor- mance	副钩参考幅度 Aux. hook reference Radius	副钩性能 Aux. hook perfor- mance	主副联合参考幅度 Reference radius for main and aux. hook	主副钩总性能 Total performance for main and aux. hook
(m)	(°)	t	(m)	t	(m)	t
7	80.35	300.0	10.1	144.0	8.5	220.6
8	77.89	284.7	11.5	140.7	9.7	211.9
9	75.40	254.5	12.9	138.3	10.9	197.2
10	72.88	222.6	14.3	133.8	12.1	180.4
11	70.31	189.6	15.7	117.2	13.3	155.7
12	67.69	164.5	17.1	103.8	14.5	136.4
13	65.01	144.8	18.5	93.1	15.7	121.1
14	62.26	129.0	19.9	83.9	16.9	108.5
15	59.42	115.9	21.2	77.1	18.1	98.3
16	56.49	105.0	22.6	70.5	19.3	89.5
17	53.44	95.6	24.0	64.7	20.5	81.8
18	50.25	87.6	25.4	59.9	21.7	75.3
19	46.88	80.7	26.8	55.5	22.9	69.6
20	43.28	74.4	28.1	51.9	24.1	64.5
22	35.09	64.1	30.9	45.3	26.4	56.1

盾构工况_主副钩联合 TBF_HB30+F12_10° _130t+50t
双钩复合吊装性能 TBM working condition_main and aux. hook blocks combined lifting capacity table (TBF_HB30+F12_10° _130t+50t)

主钩基准幅度 Main hook working radius	主臂参考角度 Boom reference angle	主钩性能 Main hook perfor- mance	副钩参考幅度 Aux. hook reference Radius	副钩性能 Aux. hook perfor- mance	主副联合参考幅度 Reference radius for main and aux. hook	主副钩总性能 Total performance for main and aux. hook
(m)	(°)	t	(m)	t	(m)	t
7	82.31	296.0	10.7	126.1	8.8	205.1
8	80.36	279.0	12.1	124.2	10.0	197.0
9	78.40	238.9	13.5	122.2	11.2	179.0
10	76.42	208.7	14.9	120.7	12.5	164.0
11	74.42	184.8	16.3	111.3	13.7	148.1
12	72.40	162.6	17.7	99.1	14.9	131.2
13	70.35	142.9	19.1	89.0	16.1	116.5
14	68.27	127.1	20.5	80.7	17.7	102.3
15	66.15	113.9	22.0	73.0	18.5	94.5
16	64.00	102.9	23.4	67.2	19.7	86.2
17	61.80	93.6	24.8	61.9	20.9	78.9
18	59.54	85.6	26.2	57.2	22.1	72.6
19	57.23	78.6	27.6	53.2	23.3	67.0
20	54.85	72.5	28.9	49.8	24.5	62.2
24	44.35	53.8	34.5	38.6	29.2	47.4
28	30.95	41.3	39.9	30.7	34.0	37.0

主要工况特性
Main Working Conditions

盾构工况_主副钩联合TBF_HB24+F9_10° _135t+50t双钩复合吊载性能(选配)

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB24+F9_10° _135t+50t, optional)

主臂参考角度 Boom reference angle	主钩性能 Main hook perfor- mance	副钩参考幅度 Aux. hook reference radius	副钩性能 Aux. hook perfor- mance	主副联合参考幅度 Reference radius for main and aux. hook	主副钩总性能 Total performance for main and aux. hook
(°)	t	(m)	t	(m)	t
80.35	300.0	10.1	145.8	8.5	221.7
77.89	290.0	11.5	143.1	9.7	215.6
75.40	262.6	12.9	140.7	10.9	202.2
72.88	228.4	14.3	136.1	12.1	184.4
70.31	194.0	15.7	121.6	13.3	160.4
67.69	168.5	17.1	107.2	14.5	140.2
65.01	148.6	18.5	96.3	15.7	124.7
62.26	131.3	19.9	86.7	16.9	111.3
59.42	118.2	21.2	79.7	18.1	100.9
56.49	107.1	22.6	73.0	19.3	91.9
50.25	89.3	25.4	62.1	21.7	77.4
43.28	76.0	28.1	53.8	24.1	66.3
35.09	65.7	30.9	47.0	26.4	57.9

盾构工况_主副钩联合TBF_HB30+F12_10° _135t+50t双钩复合吊载性能(选配)

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB30+F12_10° _135t+50t, optional)

主钩基准幅度 Main hook working radius	主臂参考角度 Boom reference angle	主钩性能 Main hook perfor- mance	副钩参考幅度 Aux. hook reference Radius	副钩性能 Aux. hook perfor- mance	主副联合参考幅度 Reference radius for main and aux. hook	主副钩总性能 Total performance for main and aux. hook
(m)	(°)	t	(m)	t	(m)	t
7	82.31	297.0	10.7	126.1	8.8	205.5
8	80.36	282.5	12.1	124.2	10.0	198.5
9	78.40	242.0	13.5	122.2	11.2	180.3
10	76.42	211.4	14.9	120.7	12.5	165.1
11	74.42	187.2	16.3	115.0	13.7	151.5
12	72.40	164.8	17.7	102.4	14.9	134.2
13	70.35	144.8	19.1	92.0	16.1	119.2
14	68.27	128.8	20.5	83.5	17.7	104.8
15	66.15	115.5	22.0	75.5	18.5	96.8
16	64.00	104.4	23.4	69.6	19.7	88.3
18	59.54	86.9	26.2	59.3	22.1	74.4
20	54.85	73.7	28.9	51.8	24.5	63.9
22	49.82	63.2	31.7	45.3	26.9	55.4
24	44.35	54.9	34.5	40.0	29.2	48.7
26	38.21	48.0	37.2	35.8	31.6	43.0
28	30.95	42.2	39.9	32.0	34.0	38.2

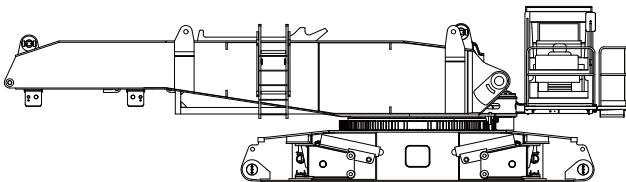


XGC350履带起重机
XGC350 CRAWLER CRANE

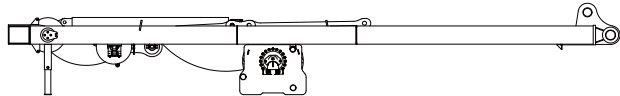
P51-P58 运输数据
Transport Information

运输数据

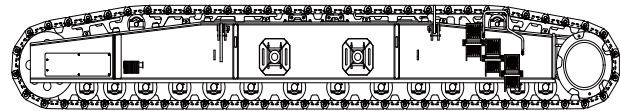
Transport Information



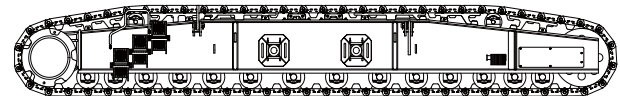
主机运输方案A	×1
Basic machine transport plan A	×1
长 L	11700mm
宽 W	3000mm
高 H	3300mm
重量 Weight	37500kg



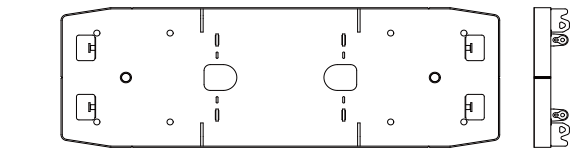
桅杆组件	×1
Mast assembly	×1
长 L	10600mm
宽 W	2200mm
高 H	1600mm
重量 Weight	9500kg



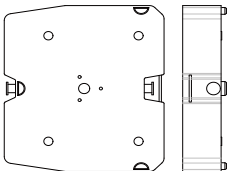
左履带梁	×1
Left crawler track	×1
长 L	9850mm
宽 W	1550mm
高 H	1400mm
重量 Weight	24500kg



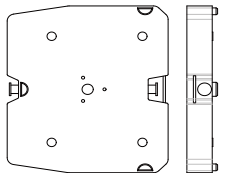
右履带梁	×1
Right crawler track	×1
长 L	9850mm
宽 W	1450mm
高 H	1350mm
重量 Weight	24500kg



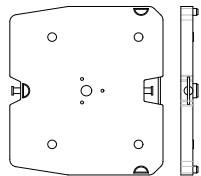
转台配重托盘	×1
Turntable counterweight tray	×1
长 L	7100mm
宽 W	2380mm
高 H	570mm
重量 Weight	20000kg



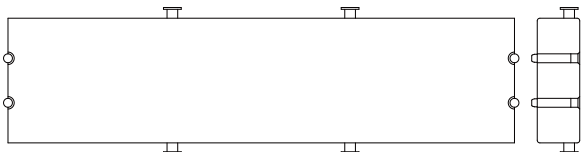
转台配重块I	×10
Turntable counterweight block I	×10
长 L	2100mm
宽 W	2380mm
高 H	580mm
重量 Weight	10000kg



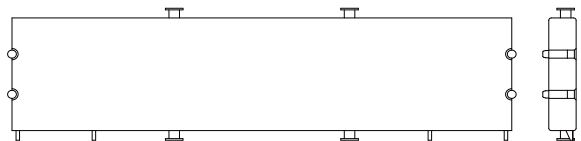
转台配重块II	×2
Turntable counterweight block II	×2
长 L	2100mm
宽 W	2380mm
高 H	400mm
重量 Weight	5000kg



转台配重块III (选配)	×2
Turntable counterweight block III	×2
长 L	2100mm
宽 W	2380mm
高 H	240mm
重量 Weight	2500kg



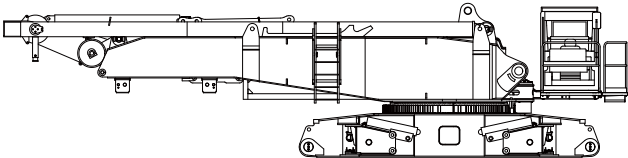
车身配重块I	×2
Car-body counterweight block I	×2
长 L	5800mm
宽 W	1670mm
高 H	540mm
重量 Weight	15000kg



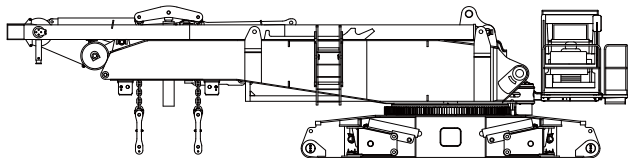
转台配重托盘	×2
Turntable counterweight tray	×2
长 L	车身配重块II
宽 W	Car-body
高 H	counterweight
重量 Weight	block II

运输数据

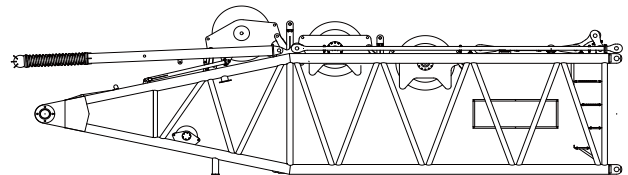
Transport Information



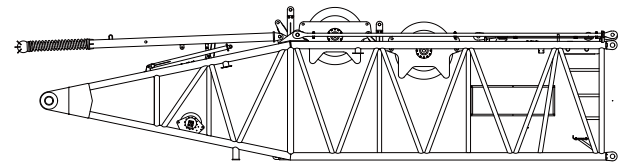
主机运输方案B	×1
Basic machine transport plan B	×1
长 L	13500mm
宽 W	3000mm
高 H	3300mm
重量 Weight	47000kg



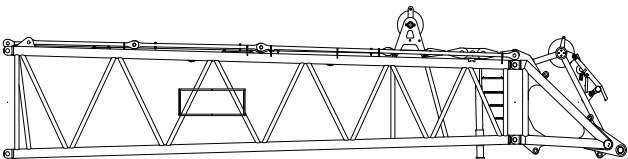
主机运输方案C	×1
Basic machine transport plan C	×1
长 L	13500mm
宽 W	3000mm
高 H	3400mm
重量 Weight	48500kg



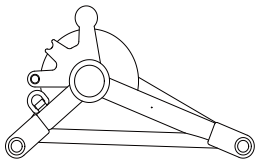
主臂底节（三卷扬，可选）	×1
Boom butt (winch III, optional)	×1
长 L	12250mm
宽 W	3000mm
高 H	3400mm
重量 Weight	21500kg



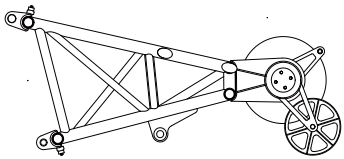
主臂底节（二卷扬）	×1
Boom butt (winch II)	×1
长 L	12250mm
宽 W	3000mm
高 H	3050mm
重量 Weight	16000kg



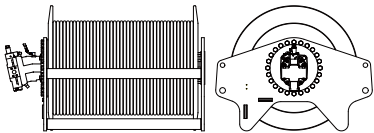
主臂变径节及连接节	×1
Boom tapered and connection section	×1
长 L	14750mm
宽 W	3000mm
高 H	3250mm
重量 Weight	8300kg



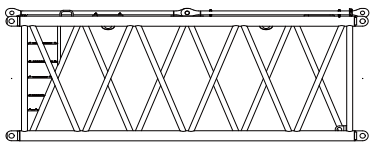
主臂滑轮组	×1
Boom sheave block	×1
长 L	1700mm
宽 W	1500mm
高 H	960mm
重量 Weight	1300kg



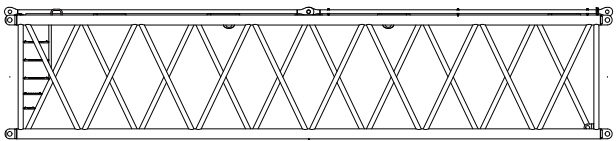
主臂臂端滑轮	×1
Boom head pulley	×1
长 L	2400mm
宽 W	1200mm
高 H	1050mm
重量 Weight	400kg



塔臂单滑轮卷扬（选配）	×1
Tower jib single top winch (optional)	×1
长 L	1250mm
宽 W	1150mm
高 H	700mm
重量 Weight	4100kg



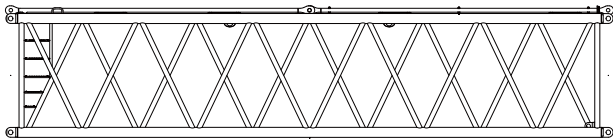
主臂6m节	×2
Boom insert 6m	×2
长 L	6210mm
宽 W	3000mm
高 H	2550mm
重量 Weight	2580kg



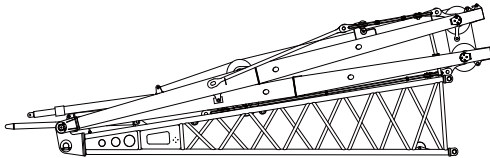
主臂12mA节	×3
Boom insert 12mA	×3
长 L	12210mm
宽 W	3000mm
高 H	2550mm
重量 Weight	4470kg

运输数据

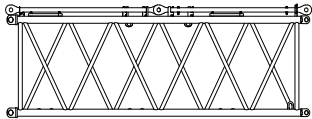
Transport Information



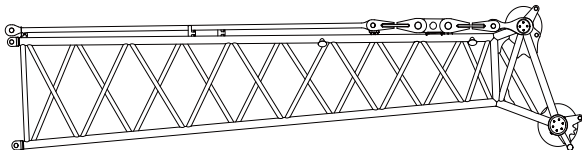
主臂12mB节 Boom insert 12mB	×2
长 L	12210mm
宽 W	3000mm
高 H	2550mm
重量 Weight	3750kg



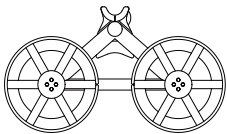
塔臂三件套 Tower jib triplet	×1
长 L	11350mm
宽 W	2650mm
高 H	3300mm
重量 Weight	9100kg



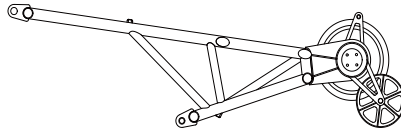
塔臂6mA节 Tower jib insert 6mA	×1
长 L	6210mm
宽 W	2150mm
高 H	1950mm
重量 Weight	1560kg



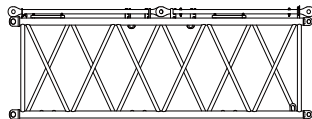
塔臂顶节 Tower jib top	×1
长 L	9600mm
宽 W	2150mm
高 H	2250mm
重量 Weight	3100kg



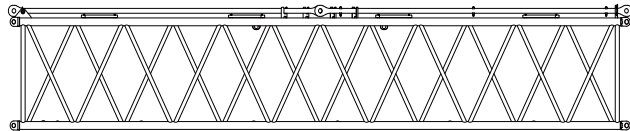
起臂小车 Power trolley	×1
长 L	1250mm
宽 W	1150mm
高 H	700mm
重量 Weight	400kg



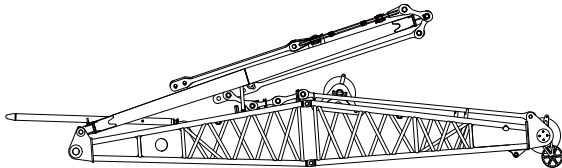
塔臂单滑轮（选配） Tower jib single top (optional)	×1
长 L	3300mm
宽 W	900mm
高 H	950mm
重量 Weight	500kg



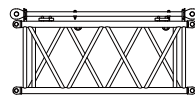
塔臂6mB节 Tower jib insert 6mB	×1
长 L	6210mm
宽 W	2150mm
高 H	1950mm
重量 Weight	1400kg



塔臂12m节 Tower jib insert 12m	×3
长 L	12210mm
宽 W	2150mm
高 H	1950mm
重量 Weight	2600kg

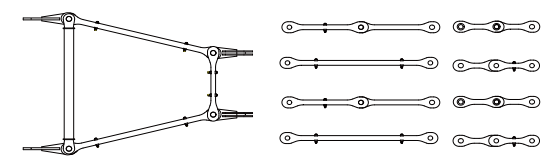


固定副臂(9m)基本臂盾构臂（选配） Fixed jib(9m)/TBM jib (optional)	×1
长 L	11000mm
宽 W	2600mm
高 H	3000mm
重量 Weight	4580kg

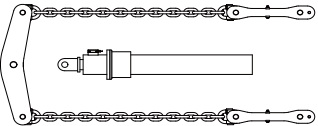


固定副臂3m节（选配） Fixed jib insert 3m (optional)	×1
长 L	3210mm
宽 W	1550mm
高 H	1450mm
重量 Weight	660kg

运输数据
Transport Information



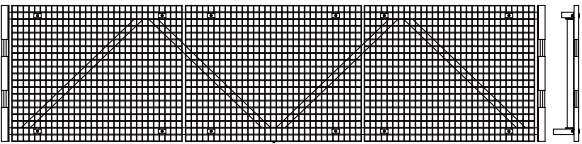
增配拉板组件 Additional pendant assembly	×1
长 L	3210mm
宽 W	2200mm
高 H	300mm
重量 Weight	920kg



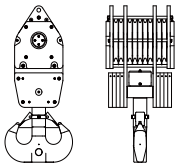
转台配重自拆装组件 (选配) Turntable counterweight self-assembly group (optional)	×2
长 L	4500mm
宽 W	590mm
高 H	400mm
重量 Weight	400kg



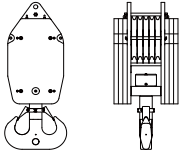
转台配重锁紧链条组件 Turntable counterweight locking chain	×2
长 L	3800mm
宽 W	470mm
高 H	470mm
重量 Weight	200kg



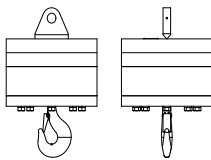
下车走台 Catwalk	×2
长 L	3840mm
宽 W	1000mm
高 H	290mm
重量 Weight	200kg



260t起重钩总成 260t capacity hook block	×1
长 L	1070mm
宽 W	1070mm
高 H	2350mm
重量 Weight	4600kg



160t起重钩总成 160t capacity hook block	×1
长 L	850mm
宽 W	870mm
高 H	2120mm
重量 Weight	3900kg



16t起重钩总成 16t capacity hook block	×1
长 L	600mm
宽 W	600mm
高 H	870mm
重量 Weight	900kg

说明：①以上零部件运输尺寸为示意图，未按此比例绘制，所标尺寸为设计值，不包括包装。
②重量为设计值，由于制造误差，可能稍有不同。

Notes:
1. The transport dimensions for above components are schematic, they are not drawn to scale, and the dimensions are design values without packaging.
2. The weight is the design value and may vary slightly due to manufacturing error.