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XGC180 履带起重机

CRAWLER CRANE



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02

XGC180 履带起重机 XGC180 CRAWLER CRANE

- P03-P03 产品亮点
Product Highlights
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The Main Technical Parameters
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Brief Introduction

产品亮点
Product Highlights

01 运输、拆装优化设计
Optimized design of transport and disassembly

- 配置齐全的自拆装系统（选装），可轻松实现：后配重自拆装、履带梁自拆装和主臂底节臂自拆装。
Fully equipped self-assembly/disassembly system (optional) can easily achieve: rear counterweight self-assembly/disassembly, track frame self-assembly/disassembly, and boom base self-assembly/disassembly.
- 最大单件运输重量控制在30吨内，运输宽度不超过3米，能够满足全球无障碍运输要求。
Largest single unit transport weight is controlled within 30t, transport width not more than 3m, so as to meet the transport requirement of global accessibility.
- 塔臂和固定副臂三件套一体运输、臂架套装运输设计，最大化利用运输空间，节省运输成本。
Tower jib and fixed jib can be three-piece integrated transport, and transport design of inserted boom sections, maximize the use of transport space, and save transport costs.

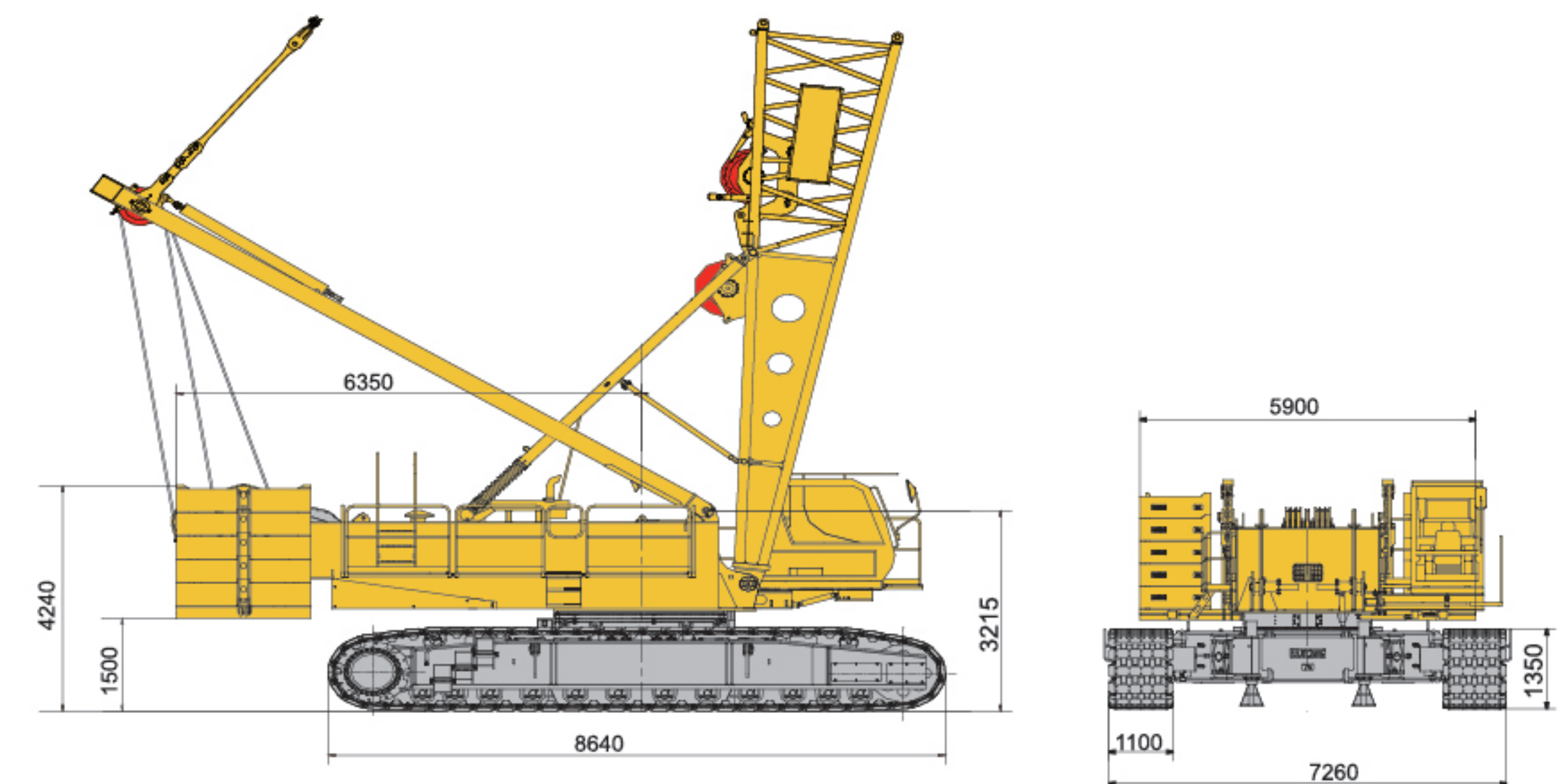
02 结构设计更优化
More optimized structural design

- 上车采用大箱型结构设计，承载能力强、重量轻、刚性好。
Superstructure is a large box-type structural design, with heavy load bearing capacity, light weight, and good rigidity.
- 副起升卷扬置于主臂底节臂，转台布置宽松，维护保养方便。
Auxiliary hoisting winch is placed in boom base, with relaxed arrangement for turntable, easy maintenance.

主要技术参数
The Main Technical Parameters

项目 Items	单位 Unit	数值 Data	
		进口配置	国产配置
最大额定起重量 Max. rated lifting capacity	基本型主臂 Basic boom	t	180
	固定副臂 Fixed jib	t	33.5
	变幅副臂 Luffing jib	t	50
最大起重力矩 Max. load moment	t·m	1043.8	
主臂长度 Boom length	m	19-82	
主臂变幅角度 Boom elevating angle	主臂工况 Boom working condition	(°)	30-83
	变幅副臂工况 Luffing jib working condition		30-85
	固定副臂工况 Fixed jib working condition		30-85
固定副臂长度 Fixed jib length	m	13-31	
变幅副臂长度(选装) Luffing jib length (Optional)	m	20-59	
起升机构最大单绳速度(空载、第五层) Winch mechanism max. single line speed (no load, at 5th layer)	m/min	138	120
主臂变幅机构最大单绳速度(第一层) Boom elevating mechanism max. single line speed(at 1th layer)	m/min	2X43	2X34
最大回转速度 Max. slewing speed	r/min	2.0	1.5
最高行走速度 Max. traveling speed	km/h	1.3	1.3
爬坡度 Grade ability	%	30	
平均接地比压 Average ground pressure	Mpa	0.105	
发动机功率 Engine power	kW	243	
整机质量(主吊钩、全配重、19米臂) Mass of the vehicle as a whole (including main hook block and 19m boom)	t	175	
运输状态单件最大质量 Max. mass of single unit in travel configuration	t	30	
运输状态单件最大尺寸(长×宽×高) Max. dimension of single unit in travel configuration (L×W×H)	m	9.58x3.0x3.3	

本印刷品所包含的数据，会随着产品的不断升级而改变，请以实际产品为准
Pictures and data in this catalog will change with the update and modification of products, so please take the actual vehicle as reference.



详细介绍 Brief Introduction

上车 / Crane Superstructure

发动机/Engine

采用上柴SC9DF330电喷发动机，额定功率250kW，额定转速为2100rpm，最大输出扭矩1425N·m。排放符合欧洲工程机械第三阶段排放标准。

Shanghai SC9DF330 electronic injection diesel engine, rated output 250kW, rated speed 2100rpm, max. output torque 1425N.m, emission in compliance with European Construction Machinery Stage III.

电气控制系统/Electric control system

智能化计算机集成式可编程控制系统，是该产品的关键核心技术，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电比例控制功能，实现起重机的自动控制，大大提高起重机的作业安全性、可靠性和作业效率。本机的操作可以通过电脑的大屏幕显示出来，很方便的实现了人机对话。

Intelligent computer integrated programmable control system is the key technology of the crane. PLC programmable controller is used, in combination with conventional electrics, to realize logic control and electronic proportional control of the system, and to improve safety, reliability and efficiency for crane operation. Crane operation can be shown by a larger computer display, easy for man-machine interaction.

起升机构/Winch

主副起升机构采用内藏式行星减速机，独立驱动，双泵合流供油，主起升机构采用销轴安装在转台上，副起升机构通过销轴安装于主臂底节臂上，以减轻主机运输重量。主副起升机构可互换使用。减速机安装有片式常闭制动器，安全可靠。采用溅油方式润滑，无需维护保养。起升机构还具有换油方便、低噪音、高效率、长寿命等特性。起升机构最大单绳速度可达120m/min，同时具有优良的微速性能。

Main/auxiliary winch has built-in planetary speed reducer with independent drive, and oil supplied by combination of two pumps, main hoist winch is installed with high-strength bolt on turntable and auxiliary hoist winch installed with pin shaft on boom base to reduce basic machine transport weight. Main/auxiliary hoist winch has exchangeable use. Speed reducer has disc type constant closed brake with oil-bath lubrication for safe and reliable work without maintenance. Hoist winch also features easy oil change, low noise, high efficiency and long service life. Hoist winch max. single line speed is 120m/min, with good fine speed performance.

回转支承/Slewing Ring

采用三排滚柱或双排球式回转支承，质量稳定可靠。

Slewing ring is a 3-row roller or double volleyball type slewing bearing, with stable and reliable quality.

液压系统/Hydraulic System

主系统（主副起升、变幅、行走）采用液压先导比例控制技术、开式回路、LUDV阀控流量调速系统。可实现完美的复合动作控制，且能量损失小工作效率高，起升、行走系统设置高低速档位切换功能，满足不同工况下的吊装要求。回转系统采用液压先导比例控制闭式控制系统、配置起重机专用闭式泵变量控制模块，具有优越的启停缓冲功能，起停平稳设置高低档位切换功能。上车辅助系统为电磁开关阀控液压系统，电子遥控手柄操作，作业安全方便；下车辅助动作采用手动六联多路阀控系统，操作方便易维护。设置独立液压驱动散热系统、散热功率大，液压油箱有效容积大，具有优良的系统综合散热性能，配置液压油温检测与自动调节功能。

Main system (main and auxiliary lifting, variable amplitude, walking) using hydraulic pilot proportional control technology, with combination of open/closed type circuit, LUDV valve controlled flow control system, perfect compound action control can be realized and low energy loss and high efficiency, hoist and travel system sets high and low speed shift function to meet the hoisting requirements under different travel conditions. Slewing system using hydraulic pilot proportional control technology, variable control module for the special closed pump of the crane, with the superior start and stop buffer function, smooth start and stop, setting up high and low conversion function. The auxiliary system of the car is an electromagnetic valve control hydraulic system, electronic remote control handle operation, safe and convenient operation; Use manual six multi channel valve control system for auxiliary action of getting off, easy to operate and easy to maintain. The system has independent hydraulic drive cooling system, large heat dissipation power and large effective volume of hydraulic tank. It has excellent comprehensive heat dissipation performance, and configure hydraulic oil temperature detection and automatic adjustment function.

变幅机构/Luffing Gear

主臂变幅机构为双联卷筒独立驱动，用高强螺栓固定于转台尾部，副臂变幅机构用销轴联接在主臂底节臂上。变幅机构采用内藏式行星减速机，片式常闭制动器。卷筒设有棘轮锁止装置，以实现机械制动，安全可靠。

Boom luffing gear is a twin drum independent drive unit, fixed on turntable tail with high-strength bolt; jib luffing gear connected on boom base with pin shaft. Luffing gear has built-in planetary speed reducer, and disc type constant closed brake. Winch drum has a ratchet locking device to realize mechanical braking, safe and reliable.

回转机构/Slewing Gear

回转机构布置在转台内侧前面，由两个带偏心机构的行星减速机组成，与回转支承内啮合。液压缓冲，具有自由滑转功能。偏心机构可保证减速机和回转支承更好啮合，使回转更平稳，可控常闭、片式制动器，工作可靠，维修方便。

Slewing gear is arranged inside the front of turntable, made up by two eccentricity planetary reducer, and external meshed with slewing ring, has the function of hydraulic buffering and free-swing. The eccentricity planetary gear can ensure good coupling for reducer and slewing ring, make stable slewing, and controllable constant closed disc type brake reliable work and easy maintenance.

主机平衡重/Counterweight

主机平衡重由车身配重和转台配重组成，可进行自拆装（选配）。转台配重与转台的连接增加了销轴油缸，消除了配重在拆装过程中的安全隐患，车身配重安装在履带架前后。转台配重共重61t，包括：
平衡重托盘 15t/件 共1件
平衡重I 5t/件 共8件
平衡重II 3t/件 共2件
车身配重共重15.2t，7.6t/件 共2件

The combination of car-body counterweight and turntable counterweight, have self assembly/disassembly (optional). A pin shaft cylinder is added for connection of turntable counterweight and turntable, eliminated the hidden danger for safety of counterweight assembly/disassembly. Turntable counterweight is 61t, includes:
Counterweight tray 15t/piece, total 1 piece;
Counterweight I 5t/piece, total 8 piece;
Counterweight II 3t/piece, total 2 piece;
Car-body counterweight is 15.2t, 7.6t/piece, total 2 piece.

操纵室/Operator's cabin

操纵室采用钢制框架结构，正面配置有整体式夹层玻璃，其余玻璃均为钢化玻璃。装有可调式座椅、按人机工程学布置的全套操纵仪表和控制装置，配置风道式冷暖空调、音响、灭火装置、闭路监视系统等，宽敞舒适。工作时，操纵室可调整俯仰角度，扩大视野，方便操作；运输时，操纵室可从侧方转到前方，减小运输宽度。

Operator's cabin is steel frame structure, the front windshield is provided with overall sandwich glass, other glass is all hardened glass, equipped with adjustable seat, ergonomic designed instruments and control devices, air-conditioner, CD player, fire extinguisher, closed circuit monitor and etc., spacious and comfortable. When working, the cabin's angle can be adjusted to enlarge the view field; when traveling, the cabin can be turned from the side to the front in order to reduce the transport width.

转台/Turntable

转台采用高强度钢板焊接而成，整体结构型式采用大箱形框架式等强度梁结构，两侧工字形主立板用箱形梁左右联接。该结构的优点为整体抗弯、抗扭能力强，稳定性好，转台内空间较大，有利于保养及维护。转台通过回转支承与下车联接。转台上安装有驾驶室、起升机构、变幅机构、发动机、桅杆、臂架及配重等重要部件。

Turntable is large box type structure welded by high-strength steel, with both side "工" type upright plate connected with box type beam at left and right. The structure advantage is strong overall tensile strength, good stability and large inside space, helpful for maintenance. It connects with the undercarriage through slewing ring, operator's cabin, winch system, luffing system, engine, mast, boom and counterweight etc. respectively arranged on the turntable at different positions.

下车 / Crane Undercarriage

车架/Car-body

车架采用高强度钢板、箱形结构，中间设置横隔板，加强其抗扭刚度，结构简单，承载能力强，刚性好。

Car-body is made of high-strength steel and welded in box type structure, with cross panel installed in the middle to strengthen its stiffness against torsion, simple structure, high loading capacity and well rigidity.

履带架/Track frame

包括履带梁和四轮一带。履带梁采用箱形结构，和车架连接部位局部加强，中间设置横隔板。两个履带架对称布置。四轮一带采用高强度合金钢铸造而成，履带板宽度为1.1m。履带架上安装有销轴油缸，用桅杆上的辅助安装油缸(选装)可方便实现履带架的自拆装。

Crawler travel unit consists of track frame, track shoe, drive sprocket, idler roller, track roller and travel motor. Track frame is box-type structure, the connection place to frame is strengthened partially, and cross panel is installed in the middle of it. Two track frames are symmetrically arranged. The four-roller and one-track are made of high-strength alloy casting steel. The track shoe width is 1.1m. On track frame installed pin shaft cylinder (option), with assistant assembly on mast, it is easy for track frame assembly and disassembly.

行走机构/Crawler travel unit

行走机构采用内藏式行星齿轮减速机、轴向柱塞式变量马达驱动，减速机带有液压释放行走制动器，安全可靠。左右两套行走机构可同步操作，也可单独操纵，以实现直行和转弯。

Crawler travel unit uses built-in planetary gear reducer and axial piston variable displacement motor, the reducer has hydraulic release service brake, safe and reliable. Two crawler travel units at left and right can be operated not only synchronously but also independently to realize straight drive and turning around.

行走速度/Crawler travel unit

变量马达可以实现无级变速，最高速度1.3公里/小时。行走时，设备运行平稳，可实现快速行走。

Variable displacement motor can realize infinite variable speeds, with max. speed 1.3 km/h, travel stable and fast.

详细介绍 Brief Introduction

作业设备 / Lifting Operation Parts 安全装置 / Safety Devices

主臂/Boom

主臂由底节臂、顶节臂和中间节组合而成，主臂为空间桁架式结构，底节臂、顶节臂为锥形变截面结构，顶节臂可连接变幅副臂、固定副臂及臂端单滑轮机构，无需换臂头，中间节为等截面结构。主臂用高强度优质钢管焊接而成，臂架顶部与根部用钢板加强，以利于传递载荷。主臂长度为19~82m。
组成：底节臂9m、中间节臂3m×1、中间节臂6m×2、中间节臂12m×4、顶节臂10m×1。

Boom comprises boom base, boom top and boom insert, with lattice type structure; boom base and boom top are tapered variable section, and boom top may be connected with luffing jib, fixed jib and single top without replacing boom head; boom insert is variable section. Boom is welded by high-strength steel tube, boom top and boom foot are reinforced by steel plates for load transfer. Boom length: 19m~82m. Composition: boom base 9m, boom insert 3m×1, boom insert 6m×2, boom insert 12m×4, boom top 10m×1.

固定副臂/Fixed jib

主臂长25~70m范围内可安装固定副臂进行作业，固定副臂长度组合为13~31m，与主臂间的安装角分为15°和30°两种。
组成：底节臂6m、中间节臂6m×3、顶节臂7m。

Fixed jib can be attached and operated within the range of boom length 25m~70m, fixed jib length combination is 13m~31m, with two offset angle of 15° and 30°.
Composition: jib base 6m, jib insert 6m×3, jib top 7m

变幅副臂(选配)/Luffing jib(option)

主臂长25~58m范围内可安装变幅副臂进行作业，变幅副臂长度组合为20~59m。
组成：底节臂7m、中间节臂3m×1、中间节臂6m×1、中间节臂12m×3、顶节臂7m。

Luffing jib can be attached and operated within the range of boom length 25m~58m, luffing jib length combination is 20m~59m.
Composition: jib base 7m, jib insert 3m×1, jib insert 6m×1, jib insert 12m×3, jib top 7m.

桅杆/Mast

桅杆为箱形双肢结构，具有良好的整体稳定性。桅杆上安装有辅助拆装油缸(选配)，用于主臂底节臂、中央平衡重及履带架自拆装，也可用于其它辅助吊装。一键扳起功能可使桅杆起落操作更方便。

Mast is box-type structure of two limbs with good overall stability, and installed assistant cylinder for self assembly/disassembly(option) for boom base, central ballast and track frame, and also for other auxiliary parts lifting. The one-switch operation may be easy for mast raising and lowering.

吊钩/Hook block

标准配置：100吨、80吨、32吨和13.5吨，可选配160吨吊钩。

Standard equipment: 100t capacity hook block, 80t capacity hook block, 32t capacity hook block, 13.5t capacity hook block, optional 160t hook block.

安全装置包括：
力矩限制器、主副提升防过卷装置、主副提升防过放装置、主副变幅棘爪装置、起重臂角度限位、主副臂防后倾系统、闭路监视系统、示高灯、风速仪、电子水平仪、防雷击系统、蜂鸣器及警示灯、功能互锁、故障自诊断系统及黑匣子功能、断电保护等。

The safety protection devices comprise: load moment limiter, main/auxiliary winch over-wound protection, main/auxiliary winch over-release protection, winch ratchet locking device, boom angle limit, boom/jib backstop system, closed circuit monitor system, height mark lamp, anemometer, level gauge, lightning proof system, buzzer and warning lamp, two-way hydraulic lock, self diagnosis, black box and power cut-out protection.

力矩限制器/Load moment limiter

检测功能：力矩限制器能自动检测出起重臂的角度、起重载荷大小。
显示功能：实时的显示当前实际载荷，工作半径，起重臂角度和当前风速。
警示功能：如果检测到实际载荷超过额定载荷，起重臂超过极限角度，力矩限制器发出报警并限制当前动作。

Detection function: automatically detect boom angle and lifting load.
Display function: real time display current actual load, working radius and boom angle.
Warning function: automatically send out warning signal and stop crane operation when detecting actual load exceeding rated load and boom out of limit angle.

主、副提升防过卷装置/Main/Auxiliary winch over-wound protection device

当主、副卷扬起升到最大高度时，高度限位检测开关起作用，显示器中过卷保护指示灯亮，同时禁止卷扬起升动作。

When main/auxiliary winch hoists up to a certain lifting height, an over-wound warning lamp on instrument panel lights on, at the same time, load moment limiter stops crane hoisting up operation.

主、副提升过放装置/Main/Auxiliary winch over-release protection device

当主、副提升卷扬过放时，安装在卷筒内部的三圈保护开关检测到卷筒上的钢丝绳剩下三圈，仪表板上的指示灯亮，同时禁止卷扬落动作。

A rope-end limiter is set on main and auxiliary hoist winch to protect wire rope from over-release, when only three turns of rope left on the drum, it stops drum hoisting down, and at the same a warning lamp on instrument panel lights up.

棘爪锁止装置/Winch ratchet locking device

该功能用于锁定变副卷扬，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。

Winch drum has a ratchet locking device, and it must be turned on when lowering boom, otherwise boom cannot be lowered. The device is used to stow the boom for safety.

起重臂角度限位/Boom angle limit

起重臂角度限位是由力矩限制器和安装在臂架上的行程开关双重控制的，主臂工况时主臂仰角达到83°、变幅副臂及固定副臂工况主臂仰角达到85°时，控制系统将自动停止主臂的起臂动作，主臂仰角达到30°时，控制系统将自动停止主臂的落臂动作，同时蜂鸣器发出声音报警。

Boom angle limit is controlled by load moment limiter and hoist limit switch on boom. When boom angle is more than 83°, and luffing jib and fixed jib angle is more than 85°, both load moment limiter and hoist limit switch stop boom raising. When boom angle is less than 30°, load moment limiter stops boom lowering and give a sound warning.

主副臂防后倾系统/Boom/Jib backstop system

主臂、变幅副臂上安装有防后倾装置，当主副臂有后倾趋势时，防后倾装置可提供足够的防后倾力防止臂架后倾。

Boom and luffing jib is installed a backstop device, when boom and jib have backwards tilting, the backstop device may provide enough force to prevent boom and jib from tilting backwards.

闭路监视系统/Closed circuit monitor system

司机室安装有闭路监视系统，通过安装在转台尾部及臂架上的摄像头和显示器，司机可即时观察起升机构、变幅机构的工作情况。

The operator's cabin has closed circuit monitor system, through the camera and monitor installed on turntable tail and boom, operator can keep watch on hoist winch and luffing gear working situation.

声光报警器/Audio/Video warning

在履带起重机移动或做回转动作的时候警告灯闪烁并且发出声音报警。

When crawler crane is moving and slewing, there is light and sound for warning.

三色力矩报警灯/Load moment tricolor warning lamp

由三种颜色组成，负载在90%以下时“绿灯”亮，表示起重机在安全区域运行，负载在90%-100%的时候“黄灯”亮，表示起重机在已接近额定载荷范围，负载在100%以上时“红灯”亮，表示起重机已经超载，在危险区域，控制系统自动切断起重机向危险的方向运行。

The lamp comprises 3 colors, when crane loading is below 90% of total rated lifting load, "Green Lamp" lights on to indicate crane is running in safety area; when crane loading is in 90%~100% of total rated lifting load, "Yellow Lamp" lights on to indicate crane is close to total rated lifting load; when crane loading is above 100% of total rated lifting load, "Red Lamp" light on to indicate crane is overload; In dangerous area, control system can automatically cut off crane movement to dangerous direction.

黑匣子/Black box

该功能可以将司机的操作及设备的运行参数记录下来，有利于分析事故原因。

The black box function is to record the operation data of operator and equipment, helpful for analysis of accident causes.

照明灯/Illumination lamp

装置在转台前方、臂架上和操纵室内，用于为夜间工作提供照明。

There are illumination lamps at front of turntable, on boom and in operator's cabin for night operation.

示高灯/Height mark lamp

安装在臂架顶部，作为高空警示。

Boom tip has a height mark lamp for high level operation warning.

风速仪/Anemometer

实时检测当前风速，传送到操纵室的显示器上，提醒司机操作的安全性。

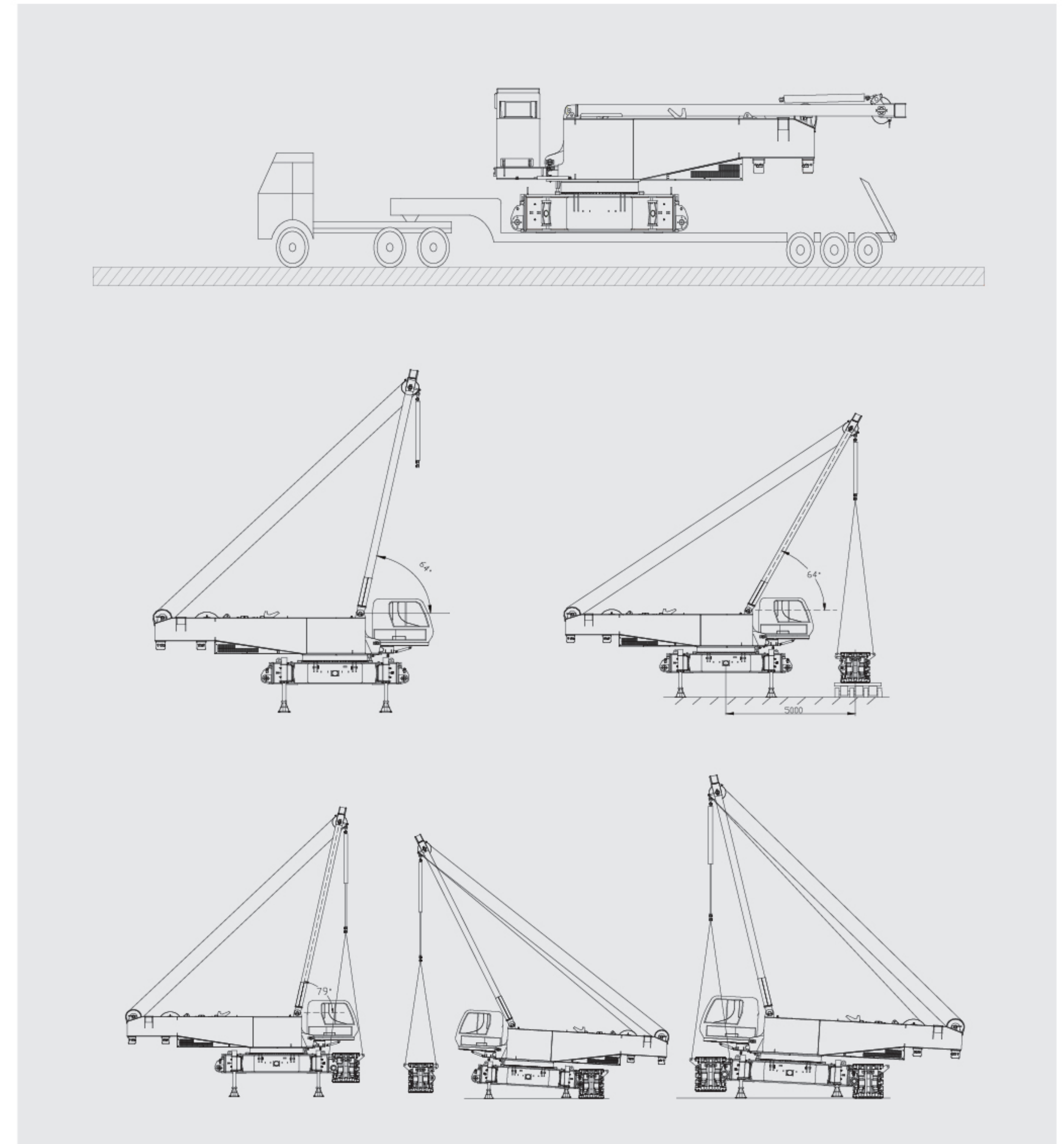
Anemometer at boom head can detect current wind speed and send wind signal to a monitor in operator's cabin to alert operator for safety.

09

XGC180 履带起重机 XGC180 CRAWLER CRANE

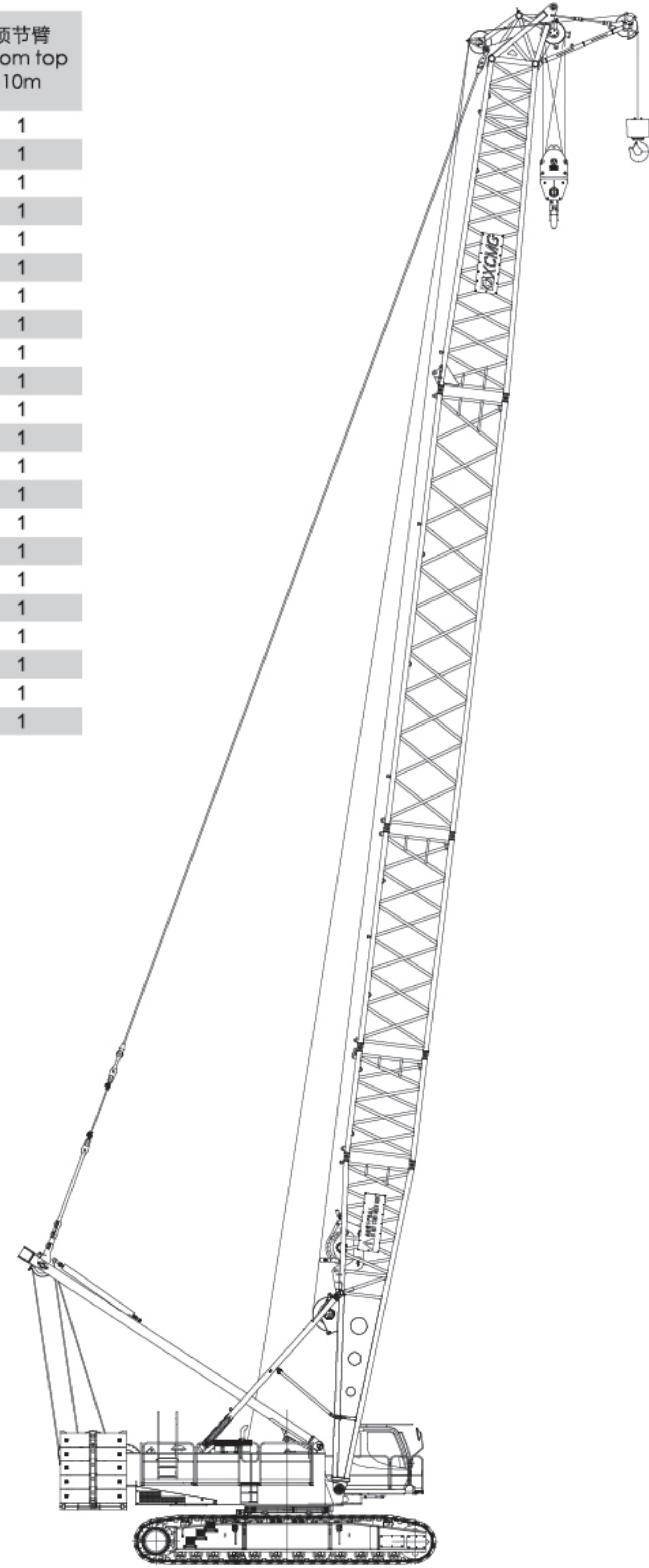
- P10-P10 自拆装 (选配)
Self Assembly & Disassembly (Optional Function)
- P11-P11 主臂工况臂节组合
Boom Combination
- P12-P12 主臂工作范围图
Boom Working Area
- P13-P14 主臂工况载荷表
Boom Lifting Load Chart
- P15-P15 臂头单滑轮载荷表
Boom Single Top Lifting Load Chart

自拆装 (选配) Self Assembly & Disassembly (Optional Function)

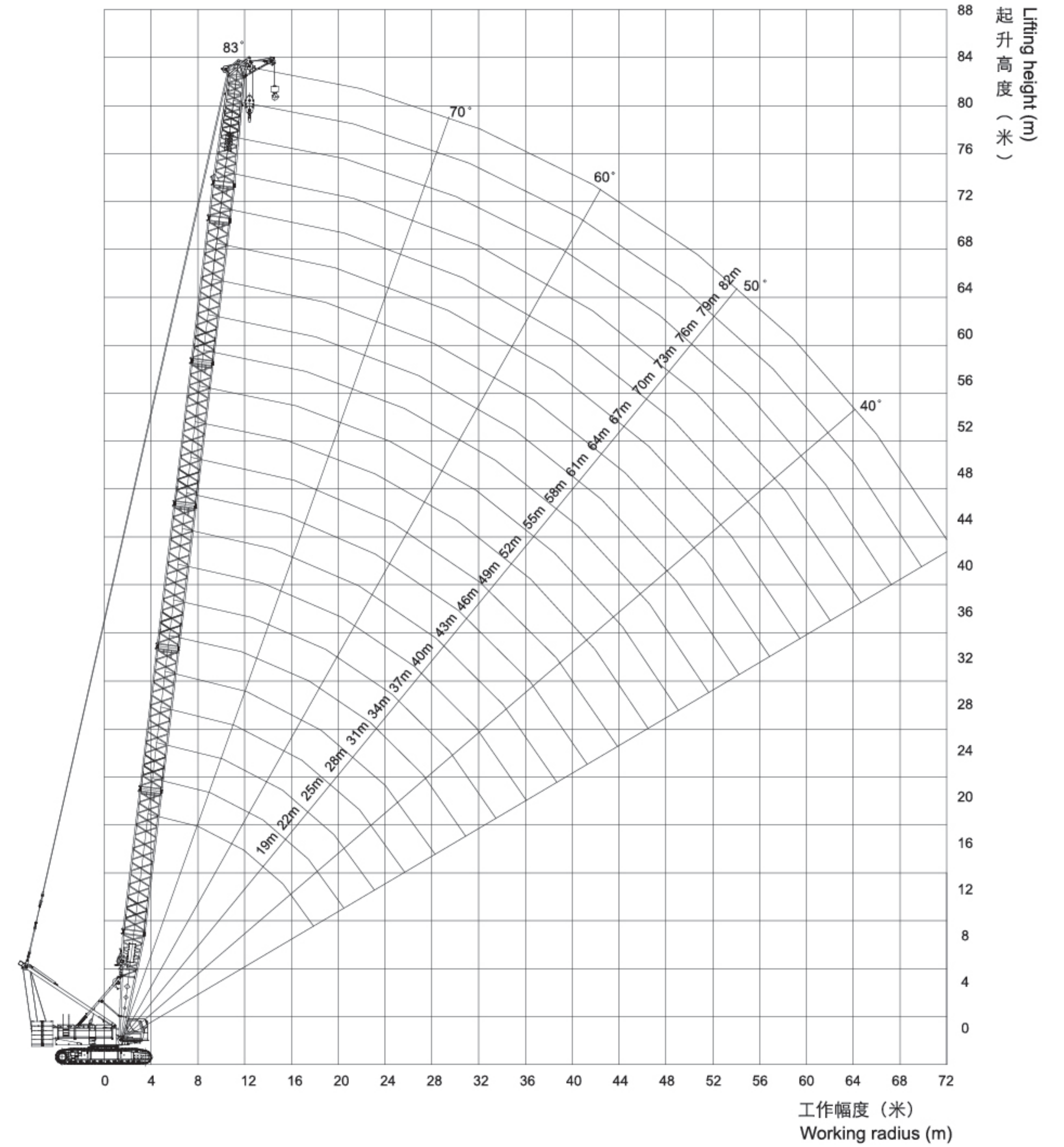


主臂工况臂节组合 Boom Combination

臂长 Boom length (m)	底节臂 Boom base 9m	中间节 Boom insert			顶节臂 Boom top 10m
		3m	6m	12m	
19	1	-	-	-	1
22	1	1	-	-	1
25	1	-	1	-	1
28	1	1	1	-	1
31	1	-	-	1	1
34	1	1	-	1	1
37	1	-	1	1	1
40	1	1	1	1	1
43	1	-	-	2	1
46	1	1	-	2	1
49	1	-	1	2	1
52	1	1	1	2	1
55	1	-	-	3	1
58	1	1	-	3	1
61	1	-	1	3	1
64	1	1	1	3	1
67	1	-	-	4	1
70	1	1	-	4	1
73	1	-	1	4	1
76	1	1	1	4	1
79	1	-	2	4	1
82	1	1	2	4	1



主臂工作范围图 Boom Working Area



主臂工况载荷表
Boom Lifting Load Chart

幅度Radius (m)	臂长Boom length (m)											幅度Radius (m)
	19	22	25	28	31	34	37	40	43	46	49	
5	180.0											5
6	167.4	148.0	142.0									6
7	149.1	142.1	136.3	141.0	128.0							7
8	128.1	127.8	127.7	127.4	122.9	116.0	105.0					8
9	112.1	111.9	111.8	111.5	111.5	110.2	102.9	94.0	87.8			9
10	97.1	97.3	97.3	97.3	97.4	97.2	97.2	90.2	85.2	81.9	74.3	10
12	74.2	74.3	74.4	74.3	74.4	74.2	74.2	74.0	73.8	73.8	68.8	12
14	59.8	59.8	59.9	59.8	59.8	59.6	59.6	59.4	59.4	59.2	59.1	14
16	49.7	49.8	49.8	49.7	49.8	49.6	49.5	49.3	49.3	49.1	49.0	16
18	42.4	42.4	42.5	42.4	42.5	42.2	42.2	42.0	42.0	41.7	41.6	18
20		36.8	36.9	36.8	36.8	36.6	36.6	36.4	36.3	36.1	36.0	20
22			32.4	32.3	32.4	32.2	32.1	31.9	31.9	31.7	31.6	22
24				28.7	28.8	28.6	28.6	28.3	28.3	28.1	28.0	24
26					25.8	25.6	25.6	25.4	25.4	25.1	25.0	26
28					23.3	23.1	23.1	22.9	22.9	22.6	22.5	28
30						21.0	21.0	20.8	20.7	20.5	20.4	30
32							19.1	18.9	18.9	18.7	18.6	32
34								17.3	17.3	17.1	17.0	34
36								15.9	15.9	15.7	15.6	36
38									14.7	14.4	14.3	38
40										13.3	13.2	40
42											12.2	42
44											11.3	44
配重 Counterweight (t)	61+15											配重 Counterweight (t)

幅度Radius (m)	臂长Boom length (m)											幅度Radius (m)
	52	55	58	61	64	67	70	73	76	79	82	
10	67.4											10
12	65.4	60.5	54.9	51.4	46.9							12
14	58.9	58.3	53.0	49.9	45.5	42.1	38.5	35.6	32.4			14
16	48.8	48.8	48.6	48.1	43.9	40.6	37.1	34.5	31.5	28.9	26.4	16
18	41.4	41.4	41.2	41.1	40.8	39.2	35.8	33.3	30.4	27.9	25.5	18
20	35.8	35.8	35.5	35.4	35.2	35.1	34.5	32.1	29.3	26.9	24.6	20
22	31.3	31.3	31.1	30.9	30.7	30.7	30.4	30.3	28.2	25.9	23.7	22
24	27.7	27.7	27.5	27.3	27.1	27.1	26.8	26.7	26.4	25.0	22.8	24
26	24.8	24.8	24.5	24.4	24.1	24.1	23.8	23.7	23.4	23.3	22.0	26
28	22.3	22.3	22.0	21.9	21.6	21.6	21.3	21.2	20.9	20.8	20.5	28
30	20.2	20.1	19.9	19.8	19.5	19.5	19.2	19.1	18.8	18.6	18.3	30
32	18.3	18.3	18.0	17.9	17.7	17.6	17.4	17.2	16.9	16.8	16.5	32
34	16.7	16.7	16.4	16.3	16.1	16.0	15.8	15.6	15.3	15.2	14.9	34
36	15.3	15.3	15.0	14.9	14.6	14.6	14.3	14.2	13.9	13.8	13.5	36
38	14.1	14.1	13.8	13.7	13.4	13.4	13.1	13.0	12.7	12.5	12.2	38
40	13.0	13.0	12.7	12.6	12.3	12.3	12.0	11.9	11.6	11.4	11.1	40
42	12.0	12.0	11.7	11.6	11.3	11.3	11.0	10.9	10.6	10.4	10.1	42
44	11.1	11.1	10.8	10.7	10.4	10.4	10.1	10.0	9.7	9.5	9.2	44
46	10.2	10.2	10.0	9.9	9.6	9.6	9.3	9.1	8.9	8.7	8.4	46
48		9.5	9.2	9.1	8.8	8.8	8.5	8.4	8.1	7.9	7.7	48
50			8.5	8.4	8.1	8.1	7.8	7.7	7.4	7.3	7.0	50
52				7.8	7.5	7.5	7.2	7.1	6.8	6.6	6.3	52
54				7.2	6.9	6.9	6.6	6.5	6.2	6.1	5.8	54
56					6.4	6.4	6.1	6.0	5.7	5.5	5.2	56
58						5.9	5.6	5.5	5.2	5.0	4.7	58
60							5.1	5.0	4.7	4.6	4.3	60
62							4.7	4.6	4.3	4.1	3.8	62
64								4.2	3.9	3.7	3.4	64
66									3.5	3.3	3.0	66
68										3.0	2.7	68
70										2.6	2.4	70
配重 Counterweight (t)	61+15											配重 Counterweight (t)

臂头单滑轮载荷表
Boom Single Top Lifting
Load Chart

幅度Radius (m)	臂长Boom length (m)											幅度Radius (m)
	19	22	25	28	31	34	37	40	43	46	49	
5	13.5											5
6	13.5	13.5	13.5	13.5								6
7	13.5	13.5	13.5	13.5	13.5	13.5	13.5					7
8	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5		8
9	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	9
10	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22			13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24				13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26					13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28					13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30						13.5	13.5	13.5	13.5	13.5	13.5	30
32							13.5	13.5	13.5	13.3	13.2	32
34								12.0	11.8	11.7	11.6	34
36								11.2	10.6	10.4	10.4	36
38									9.9	9.6	9.4	38
40										8.6	8.3	40
42											7.4	42

幅度Radius (m)	臂长Boom length (m)											幅度Radius (m)
	52.0	55.0	58.0	61.0	64.0	67.0	70.0	73.0	76.0	79.0	82.0	
9	13.5											9
10	13.5	13.5	13.5	13.5								10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5					12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4	13.4	12.9	30
32	13.1	12.9	12.7	12.6	12.4	12.2	12.1	11.9	11.7	11.7	11.6	32
34	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.5	10.4	10.4	34
36	10.3	10.2	9.9	9.8	9.6	9.5	9.2	9.1	8.8	8.6	8.5	36
38	9.2	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.6	7.4	7.2	38
40	8.1	7.9	7.7	7.6	7.4	7.3	7.1	7.1	6.7	6.4	6.3	40
42	7.1	7.0	6.8	6.6	6.5	6.4	6.2	6.0	5.8	5.5	5.3	42
44	6.3	6.2	6.0	5.9	5.6	5.4	5.2	5.1	5.0	4.6	4.5	44
46	5.7	5.5	5.2	5.1	4.9	4.7	4.5	4.3	4.2	4.0	3.9	46
48		4.8	4.4	4.4	4.1	4.1	3.8	3.8	3.6	3.2	3.2	48
50			3.9	3.7	3.6	3.5	3.3	3.0	2.9	2.7	2.5	50
52				3.4	3.2	3.0	2.9	2.8	2.7	2.5	2.2	52
54				2.8	2.7	2.5	2.4	2.3	2.1	1.9	1.8	54
56					2.2	2.1	1.9	1.8	1.6	1.4	1.3	56

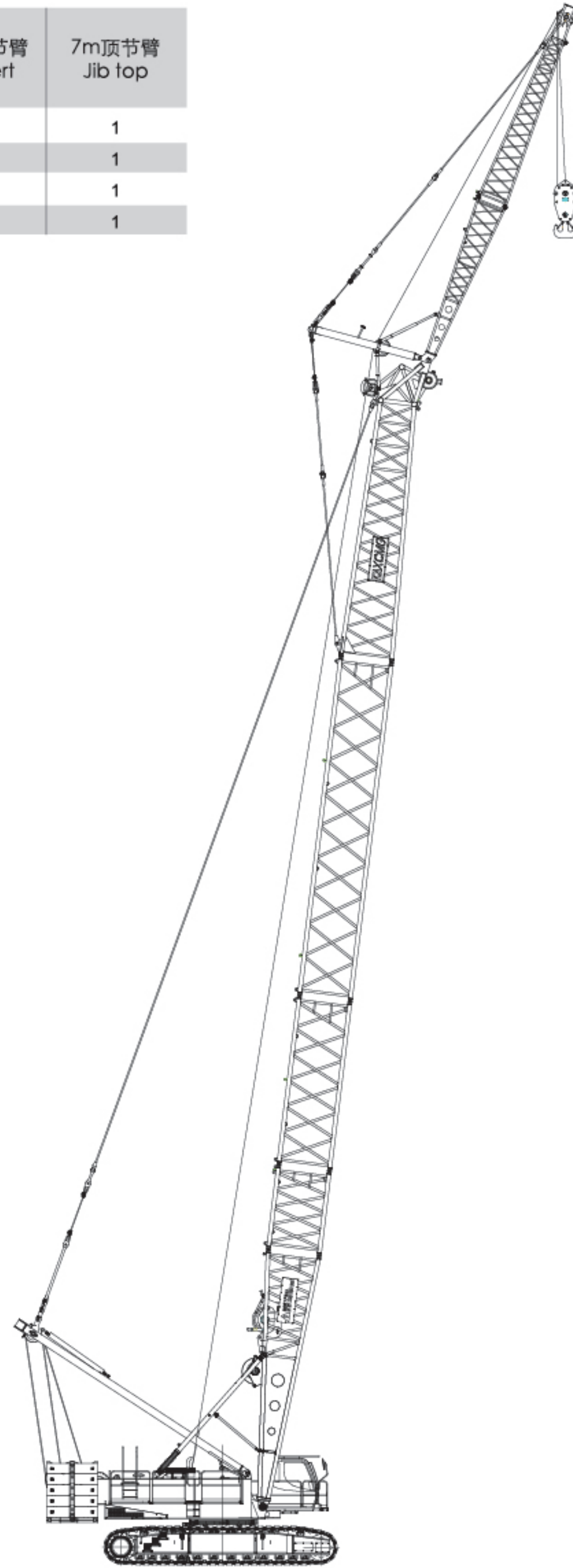
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XGC180 履带起重机 XGC180 CRAWLER CRANE

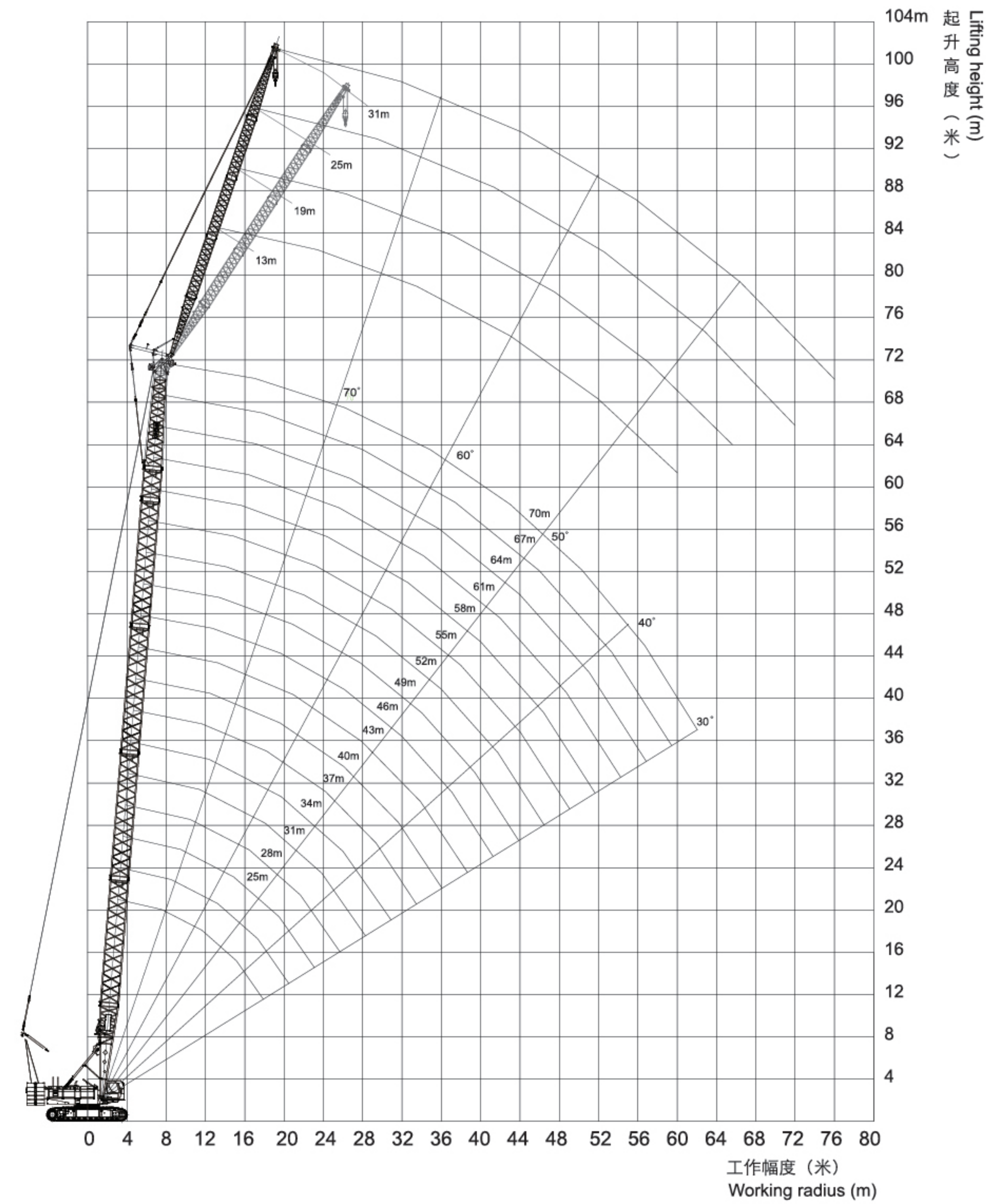
- P17-P17 固定副臂臂节组合/副臂工况
Fixed Jib Combinations/Jib Working Condition
- P18-P18 固定副臂作业范围
Fixed Jib Working Area
- P19-P22 固定副臂工况载荷表
Fixed Jib lifting load chart
- P23-P23 变幅副臂臂节组合
Luffing Jib Combination
- P24-P24 变幅副臂工作范围图
Luffing Jib Working Area
- P25-P36 变幅副臂工况载荷表
Luffing Jib Lifting Load Chart
- P37-P41 主要零部件
Main parts
- P42-P42 工作条件及注意
Working Conditions And Cautions

固定副臂臂节组合/副臂工况
Fixed Jib Combinations/
Jib Working Condition

副臂长度 Jib length(m)	6m底节臂 Jib base	6m中间节臂 Jib insert	7m顶节臂 Jib top
13	1	—	1
19	1	1	1
25	1	2	1
31	1	3	1



固定副臂作业范围
Fixed Jib Working Area



固定副臂工况载荷表
Fixed Jib lifting load chart

副臂角度 Jib angle(°)	15°																副臂角度 Jib angle(°)
	25				28				31				34				
主臂长度 Boom length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31	副臂长度 Jib length(m)
副臂长度 Jib length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31	副臂长度 Jib length(m)
幅度 Radius(m)																	幅度 Radius(m)
9	33.5				33.4												9
10	32.3				32.3				32.1				31.9				10
12	30.5	22.9			30.5	22.7			30.4	22.6			30.4	22.7			12
14	28.8	21.5	17.5		28.9	21.4	17.7		29.0	21.4	17.6		28.9	21.4	17.5		14
16	27.3	20.1	16.4	13.0	27.5	20.3	16.6	12.9	27.6	20.3	16.6	12.8	27.6	20.4	16.6	12.7	16
18	26.0	19.0	15.3	12.2	26.2	19.1	15.6	12.2	26.3	19.1	15.7	12.1	26.3	19.4	15.7	12.1	18
20	23.7	18.0	14.4	10.8	23.9	18.1	14.8	11.6	25.2	18.2	14.8	11.5	25.3	18.4	14.9	11.5	20
22	22.7	17.1	13.7	10.3	23.0	17.3	13.9	10.2	23.1	17.4	14.0	10.2	23.2	17.5	14.1	10.2	22
24	21.9	16.2	12.9	9.7	22.0	16.4	13.3	9.7	22.3	16.6	13.4	9.8	22.4	16.8	13.4	9.7	24
26	21.2	15.4	12.2	9.3	21.4	15.6	12.6	9.4	21.5	15.9	12.7	9.4	21.6	16.1	12.8	9.3	26
28	20.4	14.7	10.5	8.7	20.6	14.9	11.9	8.8	20.4	15.1	12.1	8.9	19.8	15.4	12.2	8.9	28
30	19.0	14.0	10.0	8.2	18.5	14.3	10.3	8.3	18.3	14.4	11.5	8.4	17.9	14.8	11.6	8.6	30
32	17.3	13.5	9.5	7.8	16.9	13.6	9.8	7.8	16.7	13.9	9.9	7.9	16.3	14.2	10.1	8.1	32
34	15.5	12.9	9.1	7.3	15.3	13.2	9.3	7.4	15.1	13.3	9.5	7.5	14.6	13.6	9.6	7.6	34
36		12.5	8.7	6.9	14.0	12.7	8.9	7.1	13.6	12.9	9.2	7.1	13.2	13.1	9.2	7.3	36
38		12.1	8.3	6.5		12.3	8.5	6.7	12.5	12.5	8.8	6.8	12.2	12.6	8.8	6.9	38
40		11.5	7.9	6.2		11.9	8.1	6.3		11.8	8.4	6.5	11.1	11.5	8.5	6.6	40
42			7.6	6.0		11.2	7.8	6.1		10.8	8.0	6.2	10.1	10.5	8.2	6.3	42
44			7.3	5.6			7.5	5.8		9.9	7.7	5.9		9.6	7.9	6.1	44
46				5.5			7.3	5.5			7.4	5.7		9.0	7.6	5.8	46
48				5.3			7.0	5.4			7.2	5.4			7.3	5.5	48
50				5.1				5.2			7.0	5.3			7.1	5.3	50
52								5.0				5.1			6.9	5.2	52
54								4.9					5.0			5.1	54
56												4.9				4.9	56
58													4.8				58

副臂角度 Jib angle(°)	15°																副臂角度 Jib angle(°)
	37				40				43				46				
主臂长度 Boom length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31	副臂长度 Jib length(m)
副臂长度 Jib length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31	副臂长度 Jib length(m)
幅度 Radius(m)																	幅度 Radius(m)
10	31.8				31.6												10
12	30.2	22.5			30.1	22.3			29.9				29.7				12
14	28.8	21.4	17.4		28.8	21.3	17.3		28.7	21.1			28.5	21.0			14
16	27.6	20.4	16.5	12.7	27.6	20.3	16.4	12.5	27.6	20.2	16.4	11.8	27.4	20.1	16.2		16
18	26.3	19.4	15.6	12.0	26.5	19.4	15.6	12.0	26.5	19.3	15.5	11.4	26.4	19.2	15.5	11.8	18
20	25.3	18.5	14.8	11.5	25.5	18.5	14.8	11.4	25.5	18.5	14.8	10.9	25.4	18.5	14.8	11.3	20
22	24.5	17.7	14.1	10.2	24.5	17.7	14.1	10.9	24.5	17.7	14.1	9.7	24.6	17.7	14.1	10.8	22
24	22.5	17.0	13.4	9.7	22.7	16.9	13.5	9.7	23.7	17.0	13.5	9.3	23.2	17.0	13.5	9.7	24
26	21.8	16.2	12.9	9.3	21.4	16.3	12.9	9.4	21.0	16.4	12.9	9.0	20.5	16.3	12.9	9.3	26
28	19.5	15.6	12.3	9.0	19.1	15.6	12.4	9.0	18.7	15.8	12.4	8.7	18.4	15.8	12.4	9.0	28
30	17.6	14.9	11.7	8.6	17.2	15.0	11.8	8.7	16.8	15.1	11.9	8.3	16.4	15.2	11.9	8.7	30
32	15.9	14.4	11.2	8.1	15.5	14.4	11.2	8.2	15.3	14.6	11.3	7.9	14.9	14.6	11.5	8.3	32
34	14.4	13.8	9.8	7.8	14.0	13.9	10.8	7.8	13.6	14.0	10.9	7.5	13.5	13.6	11.0	8.0	34
36	13.1	13.3	9.4	7.4	12.8	13.1	9.4	7.5	12.5	12.7	9.6	7.2	12.1	12.4	10.5	7.6	36
38	12.0	12.4	9.0	7.1	11.7	12.1	9.0	7.2	11.4	11.7	9.2	6.9	11.0	11.4	9.2	7.3	38
40	10.9	11.3	8.7	6.7	10.6	11.0	8.7	6.8	10.3	10.7	8.8	6.6	10.0	10.4	8.9	6.9	40
42	10.0	10.4	8.3	6.4	9.7	10.1	8.5	6.5	9.4	9.8	8.6	6.3	9.1	9.5	8.6	6.7	42
44	9.1	9.5	8.0	6.2	8.9	9.2	8.2	6.2	8.7	8.9	8.2	6.0	8.5	8.6	8.4	6.4	44
46		8.8	7.7	5.9	8.1	8.6	7.9	6.0	7.9	8.3	7.9	5.8	7.8	8.0	8.1	6.1	46
48		8.1	7.4	5.6		7.8	7.6	5.7	7.3	7.6	7.6	5.6	7.1	7.3	7.5	5.9	48
50		7.4	7.1	5.4		7.1	7.3	5.5		7.0	7.1	5.4	6.4	6.8	6.9	5.7	50
52			6.9	5.2		6.6	6.9	5.3		6.3	6.6	5.2		6.1	6.4	5.5	52
54			6.6	5.1		6.3	5.1		5.8	6.1	5.0		5.6	5.8	5.3	5.1	54
56				5.0			5.8	5.0			5.6	4.9		5.2	5.3	5.1	56
58				4.9			5.3	4.9			5.2	4.8			5.0	4.9	58
60				4.7				4.8			4.8	4.7			4.7	4.8	60
62								4.6				4.4			4.2	4.5	62
64												4.0				4.2	64
66																3.8	66
68																3.5	68

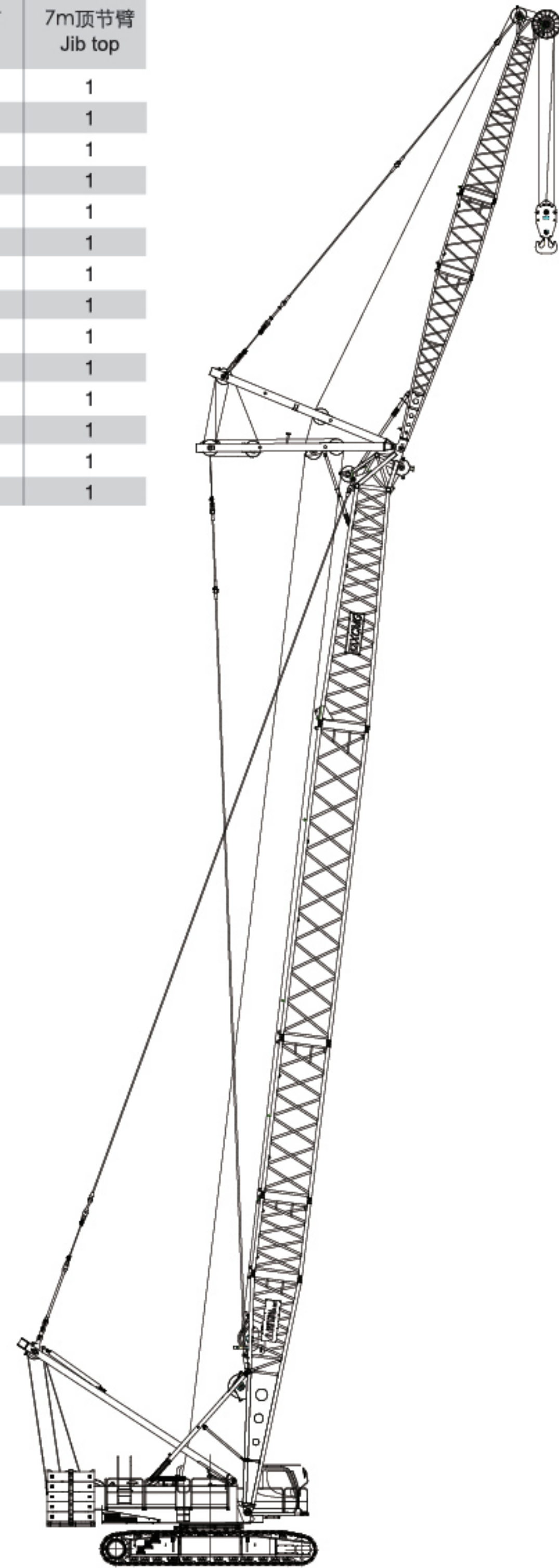
固定副臂工况载荷表
Fixed Jib lifting load chart

副臂角度 Jib angle(°)	15°																副臂角度 Jib angle(°)
	49				52				55				58				
主臂长度 Boom length(m)																	
副臂长度 Jib length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31	副臂长度 Jib length(m)
幅度 Radius(m)																	幅度 Radius(m)
12	29.5				29.3				29.1				28.8				12
14	28.3	20.8			28.1	20.7			27.9	20.5			27.7	20.3			14
16	27.4	19.9	16.1		27.2	19.8	16.0		26.9	19.7	15.8		26.7	19.6	15.7		16
18	26.4	19.2	15.4	11.7	26.2	19.1	15.3	11.6	26.0	19.0	15.2	11.5	25.9	18.9	15.1	11.4	18
20	25.4	18.4	14.7	11.2	25.3	18.3	14.7	11.2	25.2	18.2	14.5	11.1	25.1	18.2	14.5	10.9	20
22	24.5	17.7	14.0	10.8	24.4	17.6	14.0	10.7	24.5	17.6	14.0	10.6	24.2	17.5	13.9	10.6	22
24	22.8	17.0	13.5	9.6	22.5	17.0	13.4	10.3	22.0	16.9	13.4	10.3	21.4	16.9	13.3	10.2	24
26	20.2	16.4	12.9	9.2	19.8	16.4	12.9	9.2	19.4	16.3	12.9	9.2	19.0	16.3	12.9	9.1	26
28	18.0	15.9	12.4	9.0	17.6	15.8	12.4	8.9	17.4	15.8	12.4	8.9	17.0	15.7	12.3	8.8	28
30	16.2	15.3	12.0	8.6	15.8	15.3	12.0	8.6	15.5	15.3	11.9	8.6	15.2	15.2	11.9	8.6	30
32	14.5	14.7	11.5	8.4	14.2	14.5	11.6	8.3	14.0	14.3	11.6	8.3	13.6	14.0	11.6	8.3	32
34	13.1	13.5	11.1	8.0	12.8	13.1	11.1	8.0	12.6	12.8	11.1	8.0	12.3	12.5	11.1	8.1	34
36	12.0	12.2	10.6	7.7	11.6	12.0	10.6	7.7	11.3	11.7	10.7	7.7	11.2	11.4	10.8	7.7	36
38	10.9	11.1	9.3	7.4	10.6	10.8	10.3	7.4	10.3	10.7	10.4	7.4	10.0	10.4	10.4	7.4	38
40	9.8	10.2	9.0	7.0	9.6	9.9	9.0	7.1	9.3	9.6	9.9	7.1	9.1	9.4	9.6	7.1	40
42	9.0	9.4	8.6	6.7	8.7	9.1	8.7	6.8	8.4	8.8	8.8	6.8	8.2	8.5	8.7	6.9	42
44	8.2	8.5	8.4	6.5	7.9	8.3	8.5	6.5	7.8	8.0	8.2	6.6	7.5	7.8	8.0	6.6	44
46	7.5	7.9	8.1	6.2	7.2	7.6	7.9	6.3	7.1	7.4	7.6	6.4	6.9	7.1	7.3	6.3	46
48	6.8	7.2	7.4	5.9	6.5	7.0	7.2	6.0	6.5	6.7	6.9	6.1	6.2	6.5	6.7	6.2	48
50	6.3	6.5	6.8	5.8	6.0	6.3	6.5	5.8	6.0	6.2	6.3	5.9	5.7	6.0	6.1	6.0	50
52	5.8	6.0	6.3	5.6	5.5	5.8	6.0	5.6	5.5	5.7	5.8	5.7	5.2	5.5	5.6	5.7	52
54	5.2	5.5	5.8	5.4	5.0	5.3	5.5	5.4	5.0	5.2	5.3	5.4	4.8	5.0	5.1	5.3	54
56		5.2	5.3	5.2	4.8	4.9	5.0	5.2	4.5	4.8	5.0	5.1	4.3	4.6	4.8	4.9	56
58		4.7	4.9	5.0		4.5	4.8	4.8	4.2	4.5	4.6	4.7	4.0	4.3	4.4	4.6	58
60		4.4	4.5	4.8		4.2	4.3	4.6		4.0	4.2	4.3	3.7	3.9	4.0	4.1	60
62			4.2	4.3		3.9	4.0	4.2		3.7	3.9	4.0		3.5	3.7	3.8	62
64			3.9	4.0			3.7	3.9		3.3	3.6	3.7		3.1	3.4	3.5	64
66				3.6			3.3	3.6			3.3	3.4		2.8	3.1	3.2	66
68				3.5			3.0	3.3			3.0	3.1			2.8	2.9	68
70				3.2				3.0			2.7	2.9			2.5	2.7	70
72								2.8				2.6			2.3	2.4	72
74												2.3			2.3	2.4	74

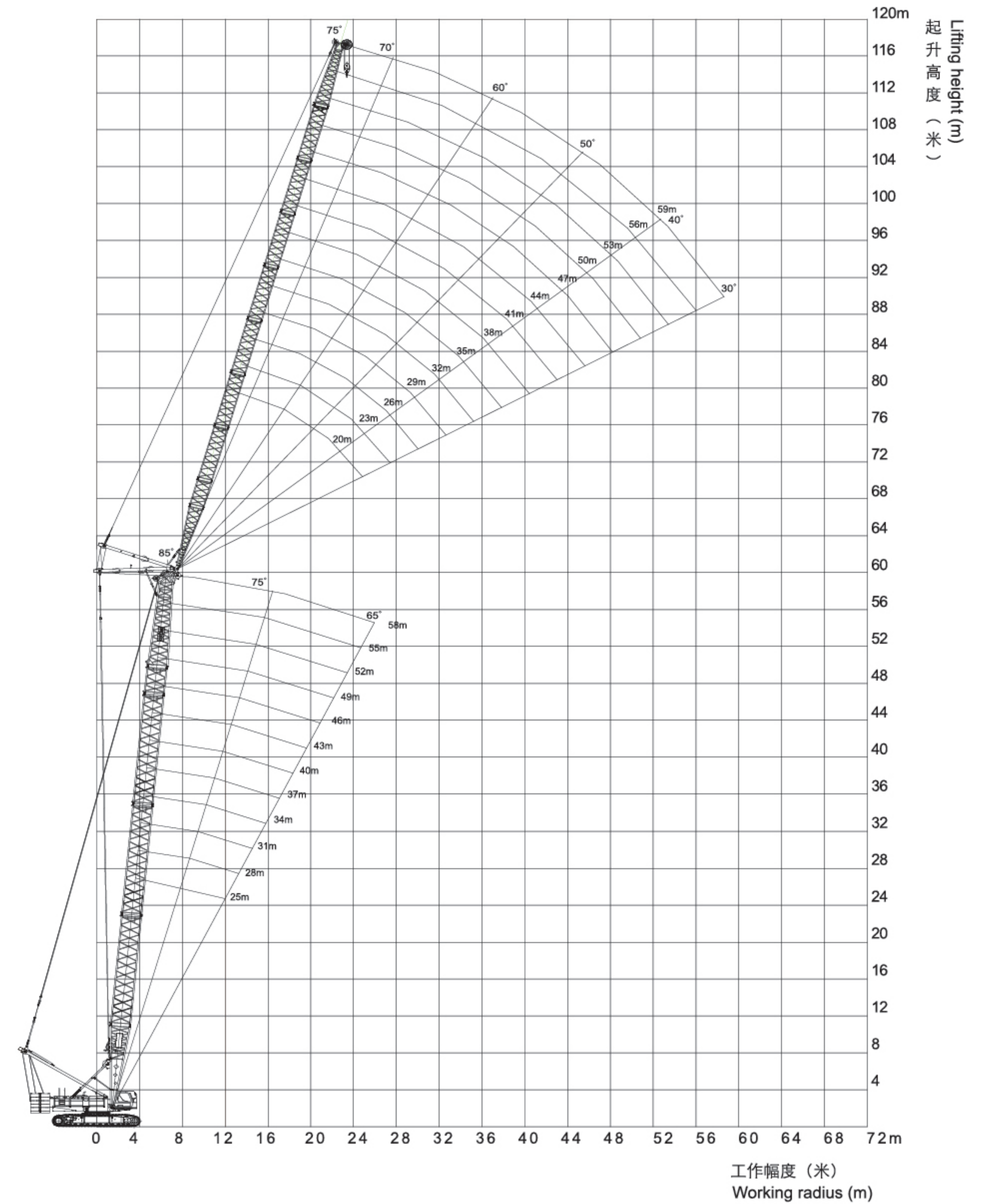
副臂角度 Jib angle(°)	15°												副臂角度 Jib angle(°)		
	61				64				67					70	
主臂长度 Boom length(m)															
副臂长度 Jib length(m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	副臂长度 Jib length(m)
幅度 Radius(m)													幅度 Radius(m)		
12	27.8				23.7										12
14	27.3	20.2			23.6	19.8			19.1				16.1		14
16	26.5	19.4	15.6		23.1	19.2			18.9	17.0			16.0	14.3	16
18	25.9	18.7	15.0	11.3	22.7	18.6	14.9		18.6	16.8	14.8		15.7	14.3	18
20	25.0	18.1	14.4	10.9	22.3	18.0	14.3	10.8	18.1	16.7	14.2	15.5	14.1	14.1	20
22	23.6	17.4	13.9	10.5	21.8	17.4	13.8	10.5	17.8	16.3	13.6	15.1	13.8	13.8	22
24	20.8	16.9	13.3	10.1	20.3	16.8	13.2	10.1	17.4	15.9	13.2	14.7	13.5	13.5	24
26	18.6	16.3	12.8	9.1	18.1	16.3	12.8	9.7	16.9	15.6	12.7	14.3	13.1	13.1	26
28	16.6	15.8	12.3	8.8	16.0	15.7	12.3	8.8	15.7	15.2	12.3	13.9	12.7	12.7	28
30	14.8	15.0	11.9	8.5	14.5	14.6	11.9	8.5	14.1	14.3	11.9	13.5	12.5	12.5	30
32	13.3	13.6	11.5	8.3	13.0	13.3	11.5	8.2	12.6	12.8	11.4	12.3	12.1	12.1	32
34	12.0	12.3	11.1	8.1	11.6	12.0	11.1	8.0	11.4	11.7	11.1	11.1	11.2	11.2	34
36	10.9	11.1	10.8	7.8	10.6	10.8	10.8	7.8	10.3	10.6	10.6	10.0	10.3	10.3	36
38	9.7	10.1	10.3	7.5	9.4	9.8	10.0	7.5	9.3	9.5	9.7	9.0	9.2	9.2	38
40	8.9	9.1	9.3	7.2	8.6	8.8	9.0	7.2	8.3	8.5	8.9	8.1	8.3	8.3	40
42	8.0	8.3	8.5	6.9	7.7	8.0	8.2	6.9	7.6	7.8	7.9	7.3	7.6	7.6	42
44	7.3	7.5	7.7	6.7	7.0	7.3	7.5	6.7	6.8	7.2	7.4	6.6	6.9	6.9	44
46	6.6	6.9	7.1	6.4	6.4	6.6	6.8	6.5	6.2	6.4	6.6	5.9	6.3	6.3	46
48	6.0	6.2	6.5	6.2	5.7	6.0	6.2	6.2	5.7	5.9	6.0	5.4	5.7	5.7	48
50	5.5	5.7	6.0	6.0	5.3	5.5	5.7	5.8	5.0	5.3	5.5	5.0	5.2	5.2	50
52	5.0	5.2	5.3	5.6	4.8	5.0	5.3	5.4	4.6	4.8	5.1	4.6	4.8	4.8	52
54	4.6	4.8	5.0	5.1	4.4	4.6	4.8	4.9	4.3	4.6	4.6	4.1	4.4	4.4	54
56	4.3	4.4	4.6	4.6	4.1	4.3	4.4	4.5	3.9	4.1	4.2	3.7	3.9	3.9	56
58	3.8	4.0	4.2	4.4	3.6	3.8	4.1	4.2	3.5	3.8	3.9	3.4	3.6	3.6	58
60	3.5	3.7	3.8	4.1	3.3	3.5	3.6	3.9	3.1	3.3	3.6	2.9	3.2	3.2	60
62	3.2	3.4	3.5	3.6	3.0	3.2	3.3	3.4	2.8	3.0	3.3	2.6	2.9	2.9	62
64	2.8	3.1	3.2	3.3	2.7	2.9	3.0	3.1	2.5	2.7	2.8	2.3	2.6	2.6	64
66		2.8	2.9	3.0	2.3	2.6	2.7	3.0	2.2	2.4	2.7	2.1	2.3	2.3	66
68		2.5	2.6	2.9		2.3	2.4	2.7	2.0	2.1	2.4	2.1	2.4	2.4	68
70			2.4	2.6		2.0	2.3	2.4		2.0	2.1	2.1	2.1	2.1	70
72			2.1	2.3		1.9	2.0	2.1			2.0				72
74			2.0	2.1											74

变幅副臂臂节组合
Luffing Jib Combination

副臂长度 Jib length (m)	7m底节臂 Jib base	3m中间节 Jib insert	6m中间节 Jib insert	12m中间节 Jib insert	7m顶节臂 Jib top
20	1	-	1	-	1
23	1	1	1	-	1
26	1	-	-	1	1
29	1	1	-	1	1
32	1	-	1	1	1
35	1	1	1	1	1
38	1	-	-	2	1
41	1	1	-	2	1
44	1	-	1	2	1
47	1	1	1	2	1
50	1	-	-	3	1
53	1	1	-	3	1
56	1	-	1	3	1
59	1	1	1	3	1



变幅副臂工作范围图
Luffing Jib Working Area



变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)	
主臂长度 Boom length(m)	25														主臂长度 Boom length(m)	
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)	
幅度 Radius(m)															幅度 Radius(m)	
10	50.0															10
12	48.3	46.0	43.9													12
14	40.1	38.9	38.4	37.5	36.3	34.6										14
16	33.1	32.9	32.3	31.6	31.1	30.4	30.1	29.2								16
18	27.1	27.1	27.1	27.1	27.1	26.7	26.4	25.8	24.1	20.0	17.3					18
20	23.1	23.1	23.1	23.1	22.9	22.9	22.5	21.9	21.6	18.9	16.4	14.1	12.2	9.6		20
22		20.7	20.7	20.5	20.5	20.3	20.1	19.6	19.3	17.0	14.8	12.7	9.9	8.5		22
24		18.1	18.1	17.8	17.8	17.8	17.7	17.6	17.2	15.5	13.3	10.6	9.0	7.6		24
26			16.2	15.8	15.8	15.8	15.7	15.7	15.6	14.2	12.2	9.5	8.1	6.7		26
28				14.1	13.9	13.9	13.9	13.9	13.8	13.1	10.4	8.9	7.3	6.2		28
30					12.5	12.5	12.5	12.3	12.3	12.1	9.5	8.1	6.6	5.8		30
32					11.2	11.2	11.1	11.0	11.0	11.0	8.9	7.3	6.1	5.4		32
34						10.3	10.3	10.3	9.7	9.3	8.2	6.8	5.7	4.9		34
36							9.6	9.1	9.0	8.5	7.6	6.2	5.4	4.6		36
38								8.5	8.1	7.8	7.1	5.8	5.1	4.2		38
40									7.5	7.1	6.6	5.5	4.7	3.9		40
42									6.8	6.3	6.2	5.3	4.4	3.6		42
44										5.9	5.7	4.9	4.1	3.4		44
46											5.4	4.7	3.9	3.2		46
48												4.5	3.7	3.0		48
50													4.3	3.5	2.8	50
52														3.3	2.6	52
54															2.5	54

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)		
主臂长度 Boom length(m)	28														主臂长度 Boom length(m)		
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)		
幅度 Radius(m)															幅度 Radius(m)		
12	48.5	46.5	44.0													12	
14	40.2	39.3	38.4	37.3	36.3	34.4										14	
16	32.9	32.9	32.4	31.6	31.1	30.6	30.1	28.9								16	
18	28.0	27.7	27.3	27.3	27.3	26.8	26.4	25.8	23.9	19.9	17.1					18	
20	23.4	23.0	23.0	23.0	23.0	23.0	23.0	21.9	21.6	18.7	16.4	14.1	12.1			20	
22		21.1	20.7	20.7	20.7	20.3	20.0	19.6	19.2	17.0	14.7	12.7	9.9	8.5		22	
24		17.8	17.8	17.8	17.8	17.8	17.8	17.6	17.2	15.5	13.3	11.4	9.0	7.5		24	
26			16.0	16.0	15.7	15.7	15.7	15.6	15.5	14.2	12.2	9.6	8.1	6.7		26	
28				14.2	14.2	13.8	13.8	13.8	13.6	12.9	11.1	8.7	7.3	6.2		28	
30					12.3	12.3	12.3	12.3	12.2	12.0	9.5	8.0	6.6	5.7		30	
32					11.3	11.1	11.1	11.1	11.1	10.9	8.8	7.3	6.0	5.3		32	
34						10.2	10.2	10.2	9.6	9.3	8.2	6.7	5.6	4.9		34	
36							9.5	9.1	8.9	8.5	7.6	6.2	5.4	4.5		36	
38								8.4	8.1	7.7	7.0	5.8	5.0	4.1		38	
40									7.7	7.4	7.0	6.5	5.5	4.6	3.9	40	
42										6.8	6.4	6.1	5.2	4.4	3.6	42	
44											5.9	5.7	4.9	4.0	3.4	44	
46												5.3	4.7	3.8	3.2	46	
48													4.5	3.6	3.0	48	
50														4.3	3.5	2.8	50
52															3.3	2.6	52
54																2.4	54

变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)			
主臂长度 Boom length(m)	31														主臂长度 Boom length(m)			
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)			
幅度 Radius(m)															幅度 Radius(m)			
12	48.9	46.5	44.1												12			
14	40.6	39.4	38.6	37.2	36.2										14			
16	32.7	32.7	32.4	31.7	31.2	30.6	30.2	28.7							16			
18	27.6	27.6	27.6	27.6	27.3	26.6	26.4	25.8	23.6	19.7					18			
20	23.7	23.3	23.2	23.2	23.2	23.2	23.2	21.9	21.6	18.7	16.2	14.0	12.0		20			
22	20.8	20.7	20.7	20.7	20.7	20.3	20.0	19.6	19.2	16.9	14.6	12.6	9.9	8.5	22			
24		18.2	18.2	17.9	17.9	17.9	17.9	17.5	17.1	15.4	13.3	11.3	8.9	7.6	24			
26			15.7	15.7	15.7	15.7	15.7	15.5	14.1	12.1	9.5	8.0	6.7		26			
28				14.0	14.0	13.9	13.8	13.8	13.8	12.9	11.0	8.8	7.2	6.1	28			
30					12.7	12.2	12.2	12.2	12.2	11.9	9.4	8.0	6.5	5.7	30			
32						11.5	10.9	10.9	10.9	10.9	10.7	8.8	7.3	6.0	32			
34							10.2	10.2	10.2	9.6	9.2	8.1	6.7	5.6	34			
36								9.5	9.0	8.8	8.4	7.5	6.2	5.3	36			
38									8.4	8.0	7.7	6.9	5.8	4.9	38			
40										7.7	7.4	7.0	6.5	5.4	4.6	3.9	40	
42											6.7	6.3	6.0	5.1	4.3	3.6	42	
44												5.8	5.7	4.9	4.1	3.3	44	
46													5.3	4.6	3.8	3.1	46	
48														4.9	4.4	3.6	2.9	48
50															4.2	3.4	2.7	50
52																3.2	2.6	52
54																	2.4	54

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)			
主臂长度 Boom length(m)	34														主臂长度 Boom length(m)			
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)			
幅度 Radius(m)															幅度 Radius(m)			
12	49.0	46.7													12			
14	40.7	39.6	38.7	37.3	36.1										14			
16	33.4	33.4	33.4	31.7	31.3	30.6	30.1								16			
18	28.3	28.1	27.8	27.8	27.2	26.7	26.4	25.9	23.3	19.4					18			
20	23.3	23.3	23.3	23.3	23.3	23.3	23.3	22.8	21.6	18.5	16.1	13.8	11.9		20			
22	20.6	20.6	20.6	20.6	20.6	20.2	19.9	19.5	19.2	16.9	14.6	12.6	9.9	8.5	22			
24		18.4	18.1	18.1	18.1	18.0	17.9	17.4	17.1	15.3	13.2	11.3	9.0	7.5	24			
26			16.1	15.6	15.6	15.6	15.6	15.6	15.4	14.0	12.0	9.5	8.0	6.7	26			
28				14.1	13.9	13.9	13.9	13.7	13.7	12.8	11.0	8.7	7.2	6.0	28			
30					12.4	12.4	12.4	12.2	12.2	12.2	11.9	9.4	7.9	6.6	5.6	30		
32						11.3	11.1	10.9	10.9	10.9	10.9	8.7	7.3	6.0	5.2	32		
34							10.1	10.0	10.0	9.6	9.2	8.1	6.6	5.6	4.7	34		
36								9.5	9.0	8.7	8.5	7.5	6.1	5.2	4.4	36		
38									8.7	8.3	8.0	7.7	6.9	5.7	4.9	4.2	38	
40										7.6	7.3	6.9	6.5	5.3	4.6	3.8	40	
42											6.7	6.4	6.0	5.1	4.3	3.6	42	
44												5.8	5.6	4.9	4.1	3.3	44	
46													5.2	4.5	3.7	3.1	46	
48														4.9	4.3	3.5	2.9	48
50															4.1	3.3	2.7	50
52																3.2	2.5	52
54																	2.3	54

变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)	
主臂长度 Boom length(m)	37														主臂长度 Boom length(m)	
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)	
幅度 Radius(m)															幅度 Radius(m)	
12	49.3	46.8														12
14	40.9	39.9	38.6	37.4	36.1											14
16	34.1	33.3	33.3	31.9	31.3	30.6	30.0									16
18	27.9	27.9	27.9	27.8	27.3	26.8	26.4	25.9	23.0	19.3						18
20	23.6	23.6	23.5	23.5	23.5	23.5	23.2	22.7	21.5	18.4	15.9	13.7				20
22	20.5	20.5	20.5	20.5	20.5	20.2	19.9	19.4	19.2	16.8	14.6	12.6	9.8	8.5		22
24		18.1	18.1	18.0	18.0	18.0	17.9	17.4	17.1	15.2	13.2	11.3	8.9	7.5		24
26			15.8	15.8	15.6	15.6	15.6	15.6	15.4	13.9	12.0	9.5	8.0	6.7		26
28				14.1	14.1	13.8	13.8	13.8	13.6	12.8	10.9	8.7	7.2	6.0		28
30				12.5	12.3	12.3	12.3	12.1	12.1	11.8	9.4	7.9	6.5	5.5		30
32					11.1	11.1	11.0	10.8	10.8	10.8	8.7	7.2	5.9	5.2		32
34						9.9	9.9	9.9	9.9	9.2	8.0	6.6	5.6	4.8		34
36							9.7	9.0	8.6	8.4	7.4	6.1	5.2	4.5		36
38							8.6	8.3	8.0	7.6	6.9	5.6	4.9	4.1		38
40								7.6	7.4	6.9	6.4	5.3	4.6	3.7		40
42									6.7	6.3	6.0	5.1	4.2	3.6		42
44										5.7	5.6	4.8	4.0	3.3		44
46											5.2	5.1	4.5	3.7	3.0	46
48												4.9	4.3	3.5	2.8	48
50													4.1	3.3	2.7	50
52														3.1	2.5	52
54															2.3	54

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)			
主臂长度 Boom length(m)	40														主臂长度 Boom length(m)			
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)			
幅度 Radius(m)															幅度 Radius(m)			
12	49.6	47.0														12		
14	42.1	40.1	38.6	37.2												14		
16	34.1	34.0	33.5	32.7	31.4	30.6	30.1									16		
18	28.6	28.6	28.4	27.8	27.3	26.8	26.4	25.9	22.7							18		
20	23.8	23.8	23.7	23.7	23.6	23.6	22.5	22.7	21.2	18.2	15.7	13.6				20		
22	20.1	20.1	20.1	20.1	20.1	20.1	20.1	19.4	19.0	16.7	14.6	12.5	9.8	8.5		22		
24		17.8	17.8	17.8	17.8	17.7	17.7	17.4	17.1	15.3	13.1	11.2	8.9	7.6		24		
26			16.2	15.8	15.8	15.7	15.7	15.6	15.3	13.9	12.0	9.4	8.0	6.7		26		
28				14.4	13.9	13.9	13.9	13.8	13.8	12.6	10.9	8.6	7.2	5.9		28		
30					12.6	12.5	12.5	12.5	12.3	12.0	11.8	9.3	7.8	6.5	5.5	30		
32						11.2	11.1	11.1	11.0	10.8	10.8	8.6	7.2	5.9	5.1	32		
34							9.8	10.3	9.8	9.8	9.1	8.0	6.6	5.5	4.8	34		
36								9.6	8.9	8.7	8.4	7.4	6.0	5.2	4.4	36		
38									8.2	7.9	7.6	6.8	5.6	4.8	4.0	38		
40										7.6	7.2	6.9	6.3	5.3	4.5	40		
42											6.7	6.2	5.9	5.1	4.2	42		
44												5.7	5.6	4.7	3.9	44		
46													5.3	5.0	4.5	46		
48														4.8	4.2	48		
50															4.0	50		
52																3.1	52	
54																	3.0	54

变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)		
主臂长度 Boom length(m)	43														主臂长度 Boom length(m)		
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)		
幅度 Radius(m)															幅度 Radius(m)		
12	49.0															12	
14	40.8	40.1	38.6	37.3												14	
16	34.2	34.2	33.7	32.8	32.1	30.6										16	
18	28.8	28.5	28.4	27.8	27.4	26.8	26.4	25.9	22.4							18	
20	23.9	23.7	23.7	23.7	23.7	23.5	23.2	22.8	21.0	18.0	15.6	13.4				20	
22	20.3	20.0	20.0	20.0	20.0	20.0	19.8	19.3	19.1	16.6	14.5	12.4	10.7	8.5		22	
24		18.2	18.2	18.0	18.0	18.0	17.8	17.3	17.0	15.2	13.1	11.2	8.8	7.5		24	
26			15.9	15.9	15.7	15.7	15.7	15.5	15.3	13.8	11.9	9.3	8.0	6.7		26	
28			14.1	14.1	13.9	13.9	13.9	13.7	13.7	12.6	10.8	8.5	7.1	6.0		28	
30				12.4	12.4	12.1	12.1	12.1	12.1	11.7	9.2	7.9	6.4	5.5		30	
32					11.3	10.9	10.9	10.9	10.9	10.7	8.5	7.2	5.9	5.0		32	
34						9.9	9.7	9.7	9.7	9.1	7.9	6.6	5.4	4.7		34	
36						9.3	9.3	8.9	8.6	8.3	7.3	6.0	5.1	4.3		36	
38							8.5	8.1	7.9	7.5	6.8	5.6	4.8	4.0		38	
40								7.5	7.3	6.9	6.3	5.3	4.4	3.8		40	
42									6.6	6.2	5.8	5.0	4.2	3.4		42	
44									6.0	5.6	5.5	4.6	3.9	3.3		44	
46										5.2	5.1	4.5	3.7	3.0		46	
48											4.7	4.2	3.5	2.8		48	
50												3.9	3.3	2.6		50	
52													3.1	2.4		52	
54														2.9	2.3		54

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)		
主臂长度 Boom length(m)	46														主臂长度 Boom length(m)		
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)		
幅度 Radius(m)															幅度 Radius(m)		
12	47.1																12
14	39.5	39.5	38.8	37.2													14
16	33.9	33.8	33.7	32.9	32.0	30.6											16
18	28.9	28.9	28.4	27.8	27.4	26.8	26.4	25.8	22.2								18
20	24.1	24.1	24.1	23.9	23.9	23.6	23.2	22.7	21.4	17.8	15.3						20
22	20.6	20.2	20.2	20.2	20.2	20.2	19.8	19.4	19.0	16.6	14.5	12.4	10.7	8.4			22
24		18.5	18.5	18.3	18.3	18.3	17.7	17.3	17.0	15.1	13.0	11.2	8.7	7.5			24
26			16.1	16.1	15.9	15.9	15.9	15.6	15.5	15.2	13.7	11.9	9.4	8.0	6.6		26
28				13.9	13.9	13.9	13.9	13.8	13.8	13.6	12.6	10.8	8.5	7.2	5.9		28
30					12.2	12.2	12.2	12.2	12.2	12.2	11.6	9.2	7.8	6.5	5.4		30
32						11.1	11.0	10.8	10.8	10.8	10.7	8.5	7.1	5.8	5.1		32
34							10.0	9.9	9.7	9.7	9.0	7.9	6.5	5.5	4.7		34
36								9.2	9.2	8.8	8.5	8.2	7.2	5.9	5.1	4.3	36
38									8.5	8.1	7.9	7.5	6.7	5.5	4.7	4.0	38
40										7.5	7.2	6.8	6.2	5.2	4.4	3.7	40
42											6.6	6.2	5.9	4.9	4.2	3.4	42
44												6.0	5.6	5.5	4.6	3.8	44
46													5.1	5.0	4.4	3.6	46
48														4.8	4.2	3.5	48
50															4.0	3.3	50
52																3.7	52
54																	54

变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)	
主臂长度 Boom length(m)	49														主臂长度 Boom length(m)	
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)	
幅度 Radius(m)															幅度 Radius(m)	
12	40.5														12	
14	36.1	36.1	36.1												14	
16	32.8	32.8	32.8	32.8	32.0	30.5									16	
18	28.8	28.7	28.5	27.8	27.3	26.9	26.5	25.7							18	
20	24.3	24.0	24.0	24.0	24.0	23.5	23.2	22.7	21.2	17.6	15.2				20	
22	20.3	20.3	20.3	20.3	20.3	20.3	20.3	19.4	19.0	16.6	14.4	12.5	10.7	8.4	22	
24		18.2	18.2	18.2	18.2	17.9	17.6	17.2	17.0	14.9	13.0	11.2	8.8	7.5	24	
26		15.8	15.8	15.8	15.8	15.8	15.5	15.5	15.2	13.7	11.7	9.3	7.9	6.7	26	
28			14.2	13.8	13.8	13.8	13.7	13.7	13.7	12.5	10.7	8.4	7.1	5.9	28	
30				12.6	12.2	12.2	12.2	12.2	12.1	11.4	9.2	7.8	6.4	5.4	30	
32					10.9	10.9	10.9	10.8	10.8	10.6	8.4	7.1	5.8	5.0	32	
34					9.8	9.8	9.8	9.8	9.6	9.6	7.8	6.4	5.4	4.7	34	
36						9.0	9.0	9.0	8.6	8.2	7.3	5.9	5.0	4.4	36	
38							8.4	8.1	7.8	7.5	6.7	5.4	4.8	4.0	38	
40								7.4	7.2	6.8	6.2	5.1	4.4	3.7	40	
42									6.6	6.2	5.8	4.9	4.1	3.4	42	
44									5.9	5.6	5.4	4.6	3.9	3.2	44	
46										5.1	5.0	4.3	3.6	3.0	46	
48											4.7	4.1	3.4	2.8	48	
50												4.0	3.2	2.7	50	
52													3.7	3.1	2.5	52
54														2.9	2.3	54

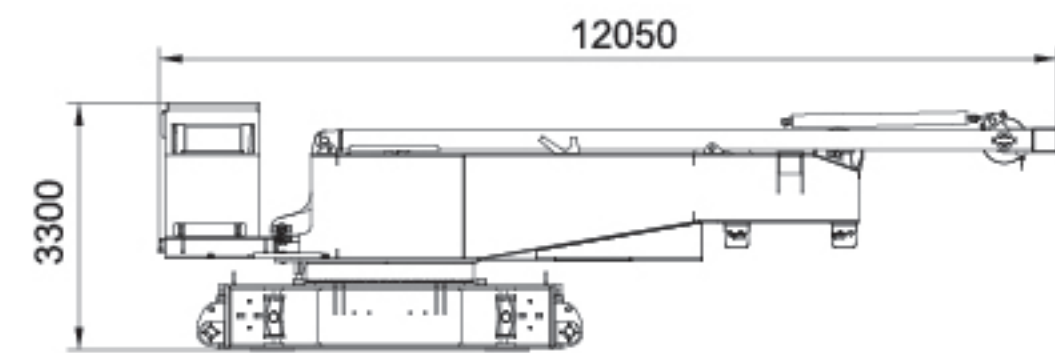
主臂角度 Boom angle(°)	85°														主臂角度 Boom angle(°)			
主臂长度 Boom length(m)	52														主臂长度 Boom length(m)			
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59	副臂长度 Jib length(m)			
幅度 Radius(m)															幅度 Radius(m)			
14	30.9	30.9	30.9												14			
16	27.5	27.5	27.5	27.5	27.5										16			
18	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2							18			
20	23.2	23.2	23.2	23.2	23.2	23.2	23.2	22.8	20.9	17.4	15.0				20			
22	20.5	20.2	20.2	20.2	20.2	20.2	20.2	19.3	18.9	16.6	14.4	12.3	10.6		22			
24	18.2	18.2	18.2	18.2	18.2	17.8	17.5	17.2	16.9	14.9	12.9	11.2	8.7	7.5	24			
26		16.2	15.8	15.8	15.8	15.7	15.7	15.5	15.2	13.6	11.7	10.0	7.9	6.6	26			
28			14.0	14.0	13.8	13.8	13.8	13.8	13.6	12.4	10.7	8.4	7.1	5.9	28			
30				12.4	12.4	12.1	12.1	12.1	12.1	11.4	9.7	7.7	6.4	5.4	30			
32					11.0	10.9	10.9	10.9	10.7	10.6	8.4	7.1	5.8	5.0	32			
34						9.9	9.7	9.7	9.7	9.7	9.5	7.8	6.5	5.3	34			
36							9.0	9.0	9.0	8.5	8.1	7.1	5.9	4.9	36			
38								8.4	8.0	7.8	7.5	6.7	5.4	4.7	38			
40									7.4	7.1	6.8	6.2	5.1	4.4	40			
42										6.8	6.5	6.2	5.7	4.8	4.0	42		
44											6.0	5.6	5.4	4.6	3.9	44		
46												5.1	5.0	4.3	3.5	46		
48													4.6	4.1	3.4	48		
50														4.3	3.9	3.2	50	
52															3.7	3.0	2.4	52
54																2.9	2.3	54

变幅副臂工况载荷表
Luffing Jib Lifting Load Chart

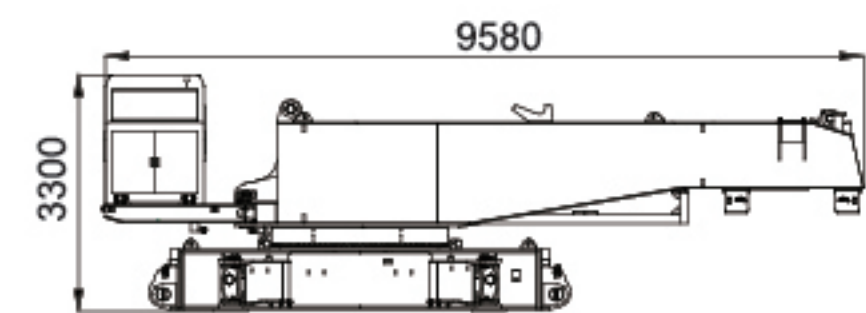
主臂角度 Boom angle(°)	85°												主臂角度 Boom angle(°)
主臂长度 Boom length(m)	55												主臂长度 Boom length(m)
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	44	47	50	53	副臂长度 Jib length(m)
幅度 Radius(m)													幅度 Radius(m)
14	25.8	25.8	25.8										14
16	23.5	23.5	23.5	23.5	23.5								16
18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6					18
20	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	17.3			20
22	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	16.4	14.2	12.2	22
24	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	14.8	12.9	11.1	24
26		15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.1	13.5	11.7	10.0	26
28			14.0	13.9	13.9	13.7	13.7	13.7	13.6	12.3	10.6	8.4	28
30				12.2	12.2	12.2	12.0	12.0	12.0	11.3	9.7	7.7	30
32				11.0	11.0	10.7	10.7	10.7	10.7	10.5	8.3	7.0	32
34					10.0	9.9	9.7	9.7	9.7	9.4	7.7	6.4	34
36						9.0	8.9	8.9	8.4	8.1	7.1	5.9	36
38							8.4	7.9	7.7	7.4	6.5	5.4	38
40								7.3	7.1	6.7	6.1	5.1	40
42								6.7	6.5	6.1	5.7	4.7	42
44									5.9	5.6	5.3	4.5	44
46										5.0	5.0	4.3	46
48											4.6	4.0	48
50											4.2	3.8	50
52												3.7	52
54													54

主臂角度 Boom angle(°)	85°												主臂角度 Boom angle(°)
主臂长度 Boom length(m)	58												主臂长度 Boom length(m)
副臂长度 Jib length(m)	20	23	26	29	32	35	38	41	副臂长度 Jib length(m)				
幅度 Radius(m)													幅度 Radius(m)
14	21.9	21.9											14
16	20.0	20.0	20.0	20.0	20.0								16
18	17.5	17.5	17.5	17.5	17.5	17.5	17.5						18
20	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	20
22	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	22
24	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	24
26		12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	26
28			12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	28
30				11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	30
32				10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	32
34					9.9	9.9	9.8	9.6	9.6	9.6	9.6	9.6	34
36						8.8	8.8	8.8	8.8	8.8	8.8	8.8	36
38							7.9	7.9	7.9	7.9	7.9	7.9	38
40								7.5	7.4	7.4	7.4	7.4	40
42										6.7	6.7	6.7	42

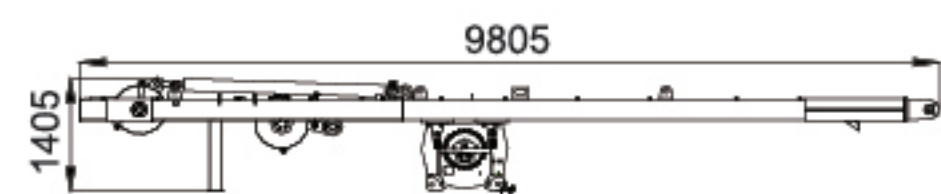
主要零部件
Main parts



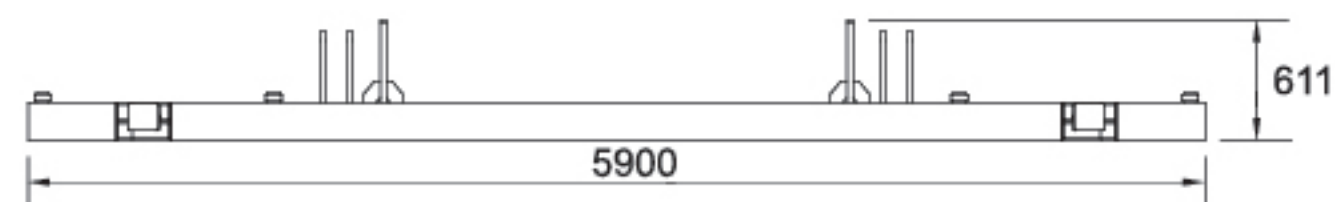
主机A Basic machine A	×1
长(L)	12050mm
宽(W)	3000mm
高(H)	3300mm
重量(W)	37000kg



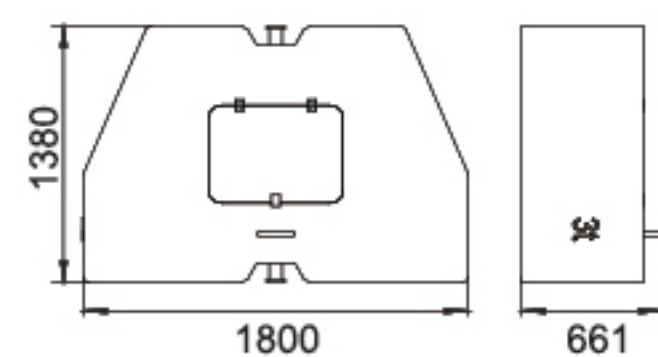
主机B Basic machine B	×1
长(L)	9580mm
宽(W)	3000mm
高(H)	3300mm
重量(W)	30000kg



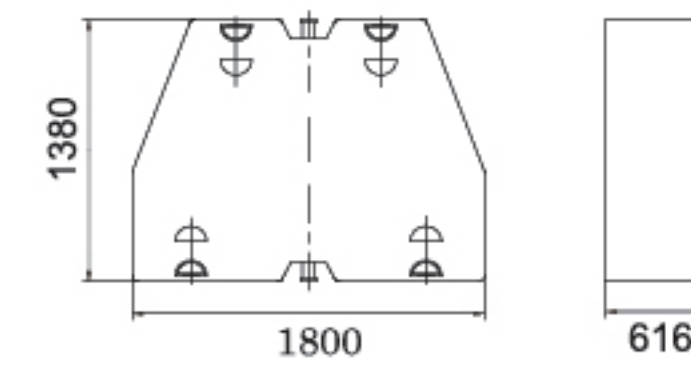
桅杆单独运输部件 Mast transport parts	×1
长(L)	9805mm
宽(W)	1802mm
高(H)	1405mm
重量(W)	7000kg



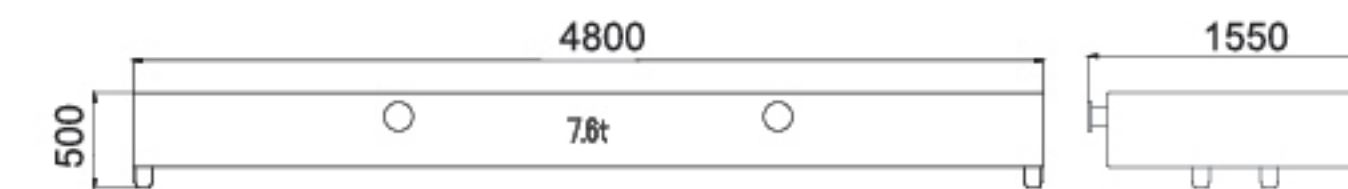
平衡重托盘 Counterweight Tray	×1
长(L)	5900mm
宽(W)	1800mm
高(H)	611mm
重量(W)	15000kg



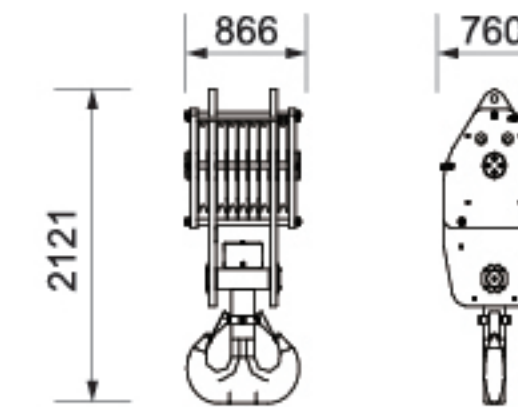
平衡重 Counterweight	×2
长(L)	1800mm
宽(W)	1380mm
高(H)	661mm
重量(W)	3000kg



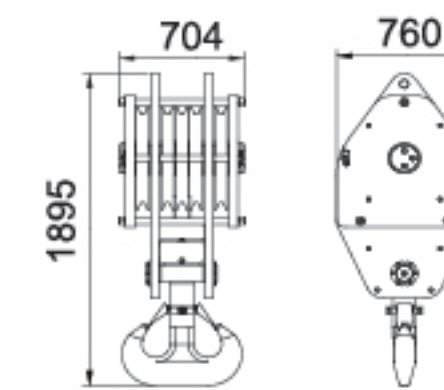
左右平衡重块 Counterweight	×8
长(L)	1800mm
宽(W)	1380mm
高(H)	616mm
重量(W)	5000kg



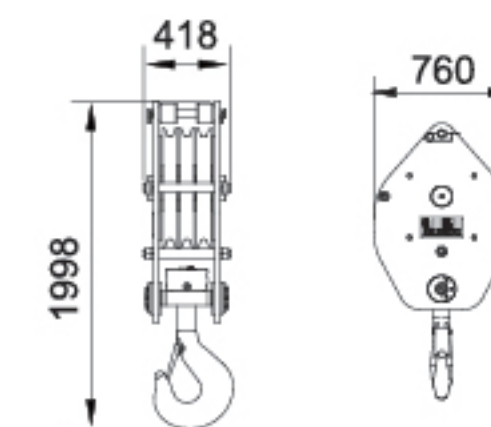
中央平衡重块 Counterweight	×2
长(L)	4800mm
宽(W)	1550mm
高(H)	500mm
重量(W)	7600kg



160t吊钩(选配) 160t hook block(Optional)	×1
长(L)	866mm
宽(W)	760mm
高(H)	2121mm
重量(W)	2.4t

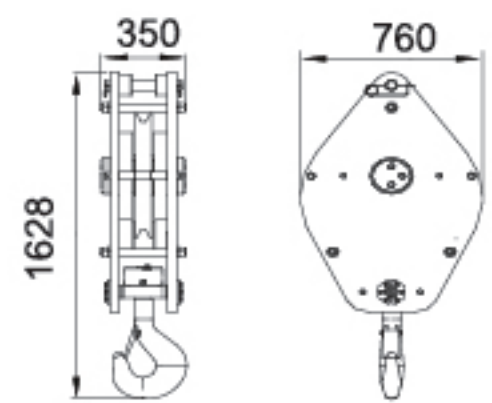


100t起重钩总成 100t Hook block	×1
长(L)	704mm
宽(W)	760mm
高(H)	1895mm
重量(W)	1665kg

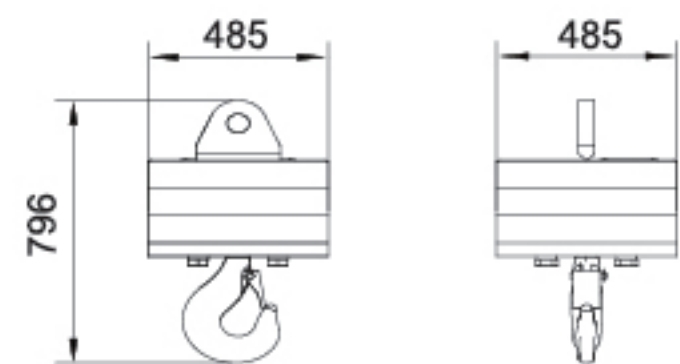


80t起重钩总成 Hook block	×1
长(L)	418mm
宽(W)	760mm
高(H)	1998mm
重量(W)	945kg

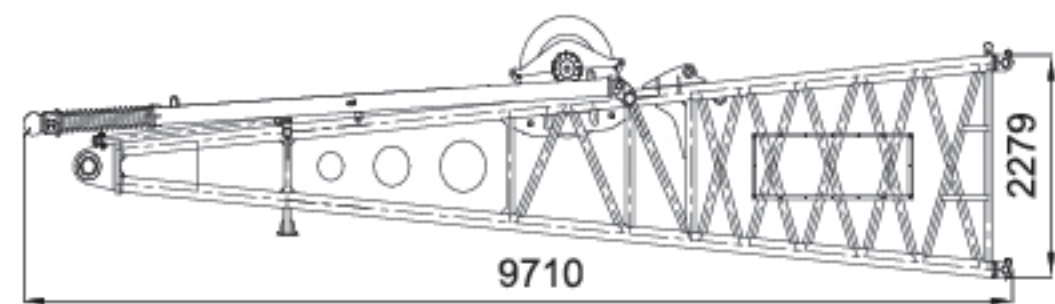
主要零部件
Main parts



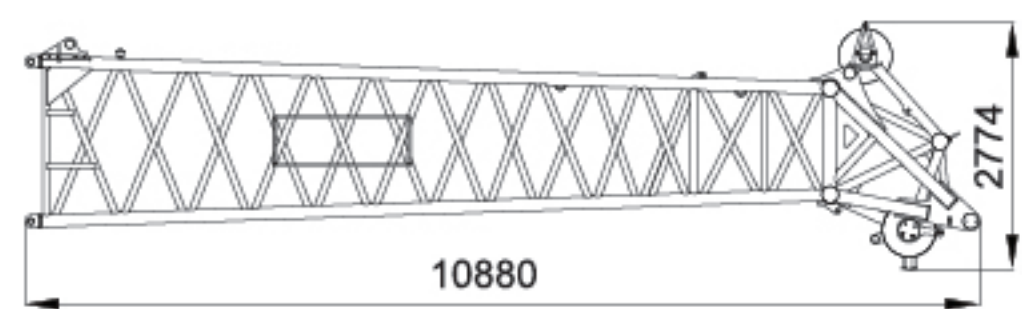
32t起重钩总成 Hook block	×1
长(L)	350mm
宽(W)	760mm
高(H)	1628mm
重量(W)	700kg



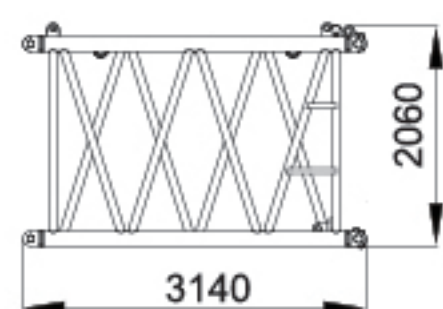
13.5t起重钩总成 Hook block	×1
长(L)	485mm
宽(W)	485mm
高(H)	796mm
重量(W)	500kg



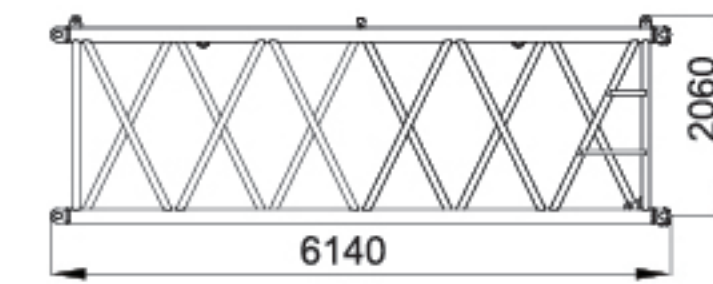
主臂9m底节 9m boom butt	×1
长(L)	9710mm
宽(W)	2470mm
高(H)	2279mm
重量(W)	6250kg



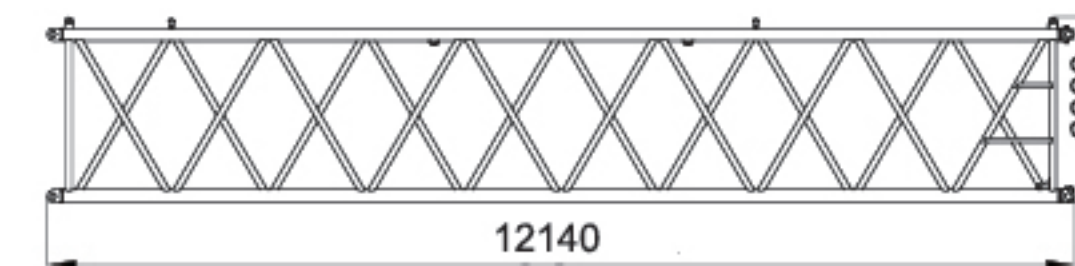
主臂10m顶节 10m boom top	×1
长(L)	10880mm
宽(W)	2160mm
高(H)	2774mm
重量(W)	3350kg



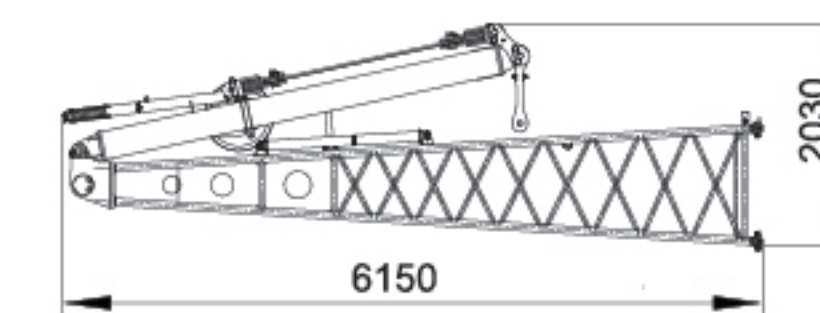
主臂3m中间节 3m boom insert	×1
长(L)	3140mm
宽(W)	2140mm
高(H)	2060mm
重量(W)	630kg



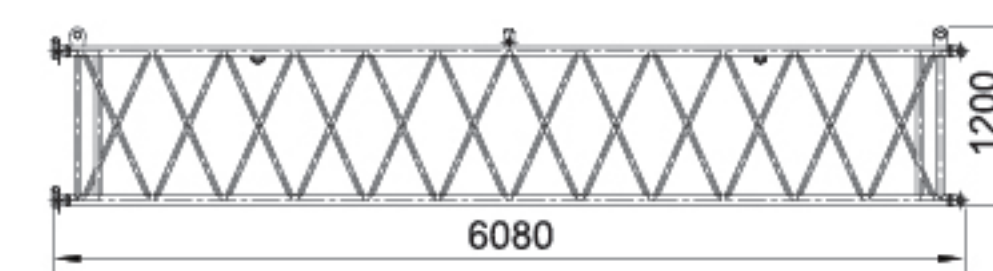
主臂6m中间节 6m boom insert	×2
长(L)	6140mm
宽(W)	2140mm
高(H)	2060mm
重量(W)	933kg



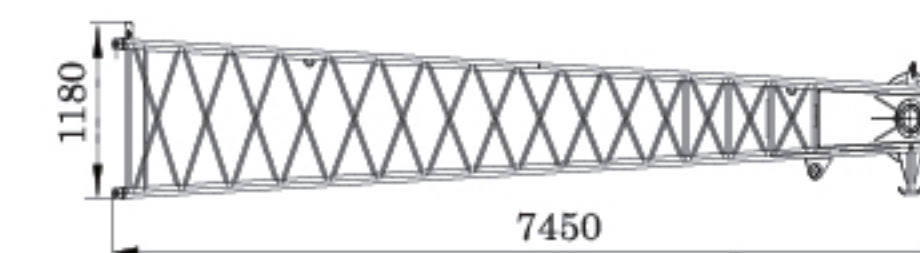
主臂12m中间节 12m boom insert	×4
长(L)	12140mm
宽(W)	2140mm
高(H)	2060mm
重量(W)	1540kg



固定副臂底节 (含支架) Fixed Jib butt	×1
长(L)	6150mm
宽(W)	2150mm
高(H)	2030mm
重量(W)	1480kg

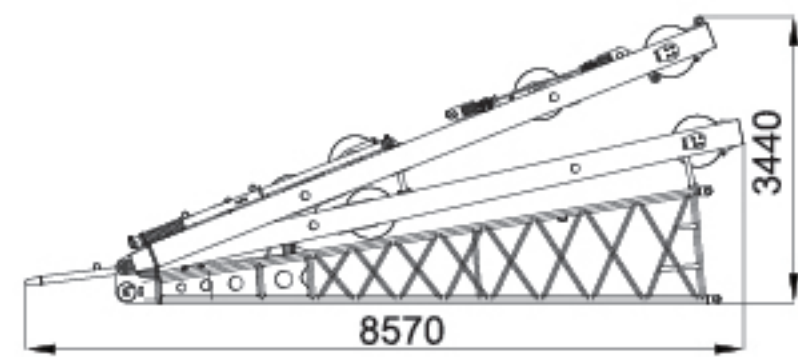


固定副臂6m节 6m fixed jib insert	×3
长(L)	6080mm
宽(W)	1330mm
高(H)	1200mm
重量(W)	310kg

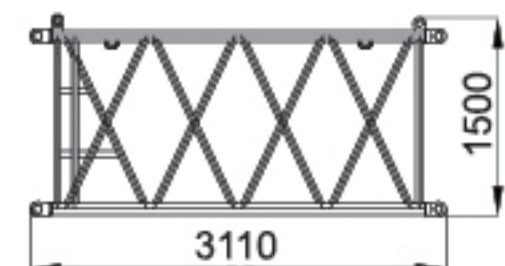


固定副臂顶节 Fixed Jib Top	×1
长(L)	7450mm
宽(W)	1330mm
高(H)	1180mm
重量(W)	710kg

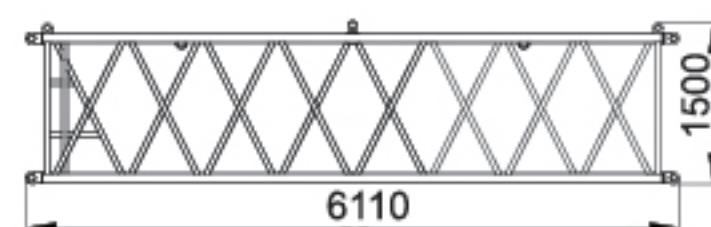
主要零部件 Main parts



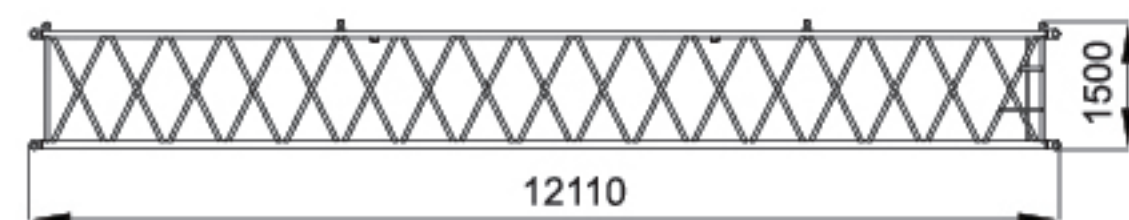
塔臂底节 (含支架) luffing jib butt	×1
长(L)	8570mm
宽(W)	1820mm
高(H)	3440mm
重量(W)	4590kg



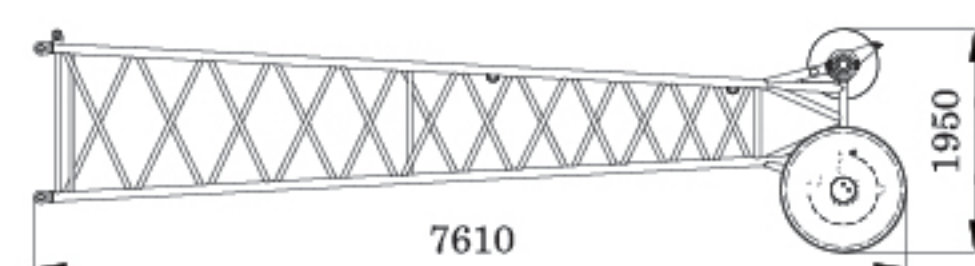
塔臂3m节 3m luffing jib insert	×1
长(L)	3110mm
宽(W)	1810mm
高(H)	1500mm
重量(W)	290kg



塔臂6m节 6m luffing jib insert	×1
长(L)	6110mm
宽(W)	1810mm
高(H)	1500mm
重量(W)	500kg



塔臂12m节 12m luffing jib insert	×3
长(L)	12110mm
宽(W)	1810mm
高(H)	1500mm
重量(W)	920kg



塔臂顶节 Luffing jib top	×1
长(L)	7610mm
宽(W)	1790mm
高(H)	1950mm
重量(W)	1250kg

工作条件及注意

Working Conditions and Cautions

- 本起重机的的工作条件为：臂长≤50m时风速小于13.8m/s;臂长>50m时风速小于8.3m/s，环境温度-20℃~+40℃，地面倾斜度小于1%；
The crane working conditions: boom length ≤50m when wind speed is less than 13.8m/s; boom length > 50m when wind speed is less than 8.3m/s; the ambient temperature is -20℃ ~ +40℃; and the ground gradient is less than 1%.

- 载荷表中的额定起重量，是指在满足给定的工作条件下，重物自由悬挂，在坚实地面缓慢起吊重物,起重机不行走时的最大起重量。作业者须视各种不良条件（如地面松软或不平、风力、侧面负荷、摆动作用、多台起重机合力起吊等）限制或降低起重机的起重量；

The rated lifting load in the chart are the maximum lifting capacity on the condition that the given working conditions are met and the load is in the state of free suspension and lifted slowly from the solid ground. Operators should limit or reduce lifting capacity according to different conditions (such as soft or uneven ground, wind force, side loading, oscillating action, several crane cooperate-lifting).

- 载荷表中额定起重量包括主吊钩、钢丝绳、和其它所有吊具的重量，安装臂端单滑轮时，还包括臂端单滑轮机构、13.5t副钩及钢丝绳重量。各吊钩及臂端单滑轮的重量见下表：

The rated lifting capacity in the chart includes the weight of main hook block, wire rope and all slings. When single top is attached on boom head, the rated lifting capacity also includes the weight of boom single top, 13.5t capacity auxiliary hook block and wire rope. The weight of each hook block and boom single top is shown in the table below:

160t吊钩 (选配)	100t吊钩	80t吊钩	32t吊钩	13.5吊钩	臂端单滑轮
2.175吨	1.665吨	0.945吨	0.7吨	0.5吨	0.4吨
160t hook block(Optional)	100t hook block	80t hook block	32t hook block	13.5t hook block	Boom single top
2.175ton	1.665ton	0.945ton	0.7ton	0.5ton	0.4ton

- 载荷表中没有列出额定载荷值的空白区为非工作区，起重机不允许在该区域内进行起重作业；

The blank area of the chart where no rated lifting load listed is regarded as non-operation area, so crawler crane is not allowed to carry out lifting operation in this area.

- 表中起重量为带上车全配重和下车全配重的起重重量；

The lifting load in the chart includes the lifting capacity of full counterweight on both crane superstructure and crane undercarriage.

- 臂端单滑轮机构工作时，最大起重量按臂端单滑轮载荷表，注意应减去副钩(0.5t)、钢丝绳及吊具的重量，但不需要减去主钩及钢丝绳的重量，也不必减去臂端单滑轮的重量。

When boom single top works, its maximum lifting capacity is according to the boom single top lifting load chart, and it is necessary to reduce the weight of auxiliary hook (0.5t), wire rope and slings, but it is not necessary to reduce the weight of main hook block and wire rope as well as the weight of boom single top.

- 吊钩及倍率的选取

在任何情况下，吊钩的选取必须满足吊钩的额定起重量大于或等于实际吊重量（包括钢丝绳及吊具等）。

Selection of hook block and parts of line

In any case, the selection of hook block must satisfy that the hook block rated lifting load is more than or equal to the actual lifting load (including wire rope, slings and etc.).