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—2022年1月版—

XLC180

CRAWLER CRANE
履带起重机

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XLC180履带起重机
XLC180 CRAWLER CRANE

臂架组合方式/Boom combination

XLC180 履带起重机的臂架为大截面、厚壁大管径、高强无缝钢管作为弦管和腹管，辅以高强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。
重型主臂工况最大起重量 180t@5m(倍率 16)，最大起重力矩 175t×6m=1050t.m。主臂长度 17m ~ 83m，臂节组成：底节臂 1×6m、过渡节臂 1×6m、顶节 1×5m、中间节 1×3mA 及 1×3mB、中间节 1×6mA 及 1×6mB、中间节 2×12mA 及 2×12mB。主臂可配臂端单滑轮。
塔式副臂工况最大起重量 75t@10m(倍率 6)。塔臂长度 18m ~ 51m，臂节组成：底节臂 1×1.5m、过渡节臂 1×4.5m、顶节臂 1×3m、中间节 1×3mB 及 1×3mC、中间节 1×6mB 及 1×6mC、中间节 1×12mB 及 1×12mC、前支架 1×5.8m、后支架 1×5.5m。塔臂可选配塔臂单滑轮。
轻型主臂长度 40.5m ~ 88.5m，由主臂臂节与塔臂臂节搭配组合而成。
固定副臂工况最大起重量 58t@12m(倍率 5)。固定副臂长度 9m ~ 30m，臂节组成：底节臂 1×1.5m、过渡节臂 1×4.5m、顶节臂 1×3m、中间节 1×3mB 及 1×3mC、中间节 1×6mB 及 1×6mC、中间节 1×12mB、支架 1×5.8m。

XLC180crawler crane boom and jib are the chord and lacing member of large cross-section, thick-walled large diameter, high-strength seamless steel pipe, supplemented by high-strength steel welded into the middle of sub-section, tapered cross-section at both ends of the four chord space lattice structure.
Under heavy duty boom working condition, the Max. lifting load is 180t@5m (16 parts of line) , the Max. lifting moment is 175t×6m=1050t.m.main boom length is 17m ~ 83m, boom composition: boom butt 1×6m, transition section 1×6m, top section: 1×5m, insert section 1×3mA and 1×3mB, insert section 1×6mA and 1×6mB, insert section 2×12mA and 2×12mB. Boom can be equipped with boom single pulley.
Under tower jib working condition, the Max. lifting load is 75t@10m (6 parts of line) , tower jib length is 18m ~ 51m, boom composition: boom butt 1×1.5m, transition section 1×4.5m, top section 1×3m, insert section 1×3mB and 1×3mC, insert section 1×6mB and 1×6mC,insert section 1×12mB and 1×12mC, front strut 1×5.8m, rear strut 1×5.5m. tower jib can be equipped with tower jib single pulley.
The length of light duty boom is 40.5m ~ 88.5m, composed of boom sections and tower jib sections.
Under fixed jib working condition, the Max. lifting load is 58t@12m (5 parts of line). Fixed jib length is 9m ~ 30m, jib composition: jib butt 1×1.5m, transition section 1×4.5m, jib top 1×3m, insert section 1×3mB and 1×3mC, insert section 1×6mB and 1×6mC, insert section 1×12mB, strut 1×5.8m.

臂架变幅构件/Boom luffing components

采用高强拉板结构，安全系数高；拉板过渡采用平衡梁结构，受力均匀；单拉板配有“桃”形连接孔，安装方便、省力、高效。

Boom luffing component is made of high-strength pendant structure with high safety factor. Pendant transition with balance beam can efficiently bear the load of two-group pendant for equal force distribution. Single pendant with “Peach” -shaped connection holes, easy assembly, saving labor and high efficient.

桅杆/Mast

桅杆由箱形双肢结构组成，两肢之间有加强横梁，稳定性好。桅杆顶升油缸可绕转台的连接铰点旋转，实现桅杆扳起顶升和降落。

Mast is a box-type two-limb structure, with strengthened beam between two limbs for good stability. Mast lifting cylinder can rotate around the cylinder center and turntable connection pivot, to realize mast erection raising and lowering.

转台/Turntable

转台是联系上下车的关键承载结构件，采用高强钢板焊接而成的双侧“工”字梁箱框式复合结构，通过回转支承可与下车进行联接，整体强度高、稳定性好。操纵室、主变幅机构、发动机系统、液压泵组、液压阀、电控柜、桅杆、主臂底节、上车平衡重及其自拆装的油缸等可分别与转台在不同部位进行联接。

Turntable is a key load bearing structural component to connect crane superstructure and crane undercarriage, use of high-strength steel plate welded in “工” box-type composite box beam structure on both sides, through the slewing ring coupled with undercarriage, with good overall strength and stability. Cab, main luffing winch, engine system, main pump, hydraulic valve, cabinet, mast, boom base section, superstructure counterweight and self-assembly/disassembly jacking cylinder can be respectively connected with different parts of the turntable.

机构组成/Mechanism composition

本机的机构配置及用途如下表
Crane mechanism and configuration refer to the table below:

序号 No.	机构名称 Name	用途 Application	布置位置 Location
1	主起升机构 Main hoist winch	重型主臂、重型主臂带臂端滑轮、固定副臂、塔式副臂、塔式副臂带臂端滑轮、轻型主臂工况时，作为主钩卷扬 Used for main winch in heavy boom, boom single top, fixed jib , tower jib, tower jib single top and light boom working conditions.	主臂底节靠进根部 On boom butt, near the root position
2	副起升机构 Auxiliary hoist winch	【1】重型主臂带臂端滑轮及固定副臂工况时，作为副钩卷扬 (1) Used for aux. hook in boom single top and fixed jib working conditions; 【2】塔式副臂（含带臂端滑轮）工况时，作为塔臂变幅卷扬 (2) Used as tower jib luffing winch in tower jib (include tower jib single top) working condition	主臂底节靠进上部 On boom butt, near the top position
3	单滑轮起升机构【选配】 Single top winch (optional)	塔臂带臂端滑轮工况时作为副钩卷扬 Used for aux. hook in tower jib single top working condition	转台前方 Front side of turntable
4	主变幅机构 Main luffing winch	主臂变幅 Boom luffing	转台中部 Middle part of turntable
5	回转机构 Slewing unit	上车回转 Superstructure slewing	转台前方 Front side of turntable
6	行走机构 Travel unit	整机行走 Crane travel	履带驱动轮 Crawler drive sprocket

起升机构/Hoist winch

起升机构包括主起升机构、副起升机构及单滑轮起升机构(选配)，起升机构是由马达驱动行星齿轮减速机，通过卷筒、导向滑轮及起升滑轮组实现主钩或副钩起升下降。

Hoist winch includes main hoist winch, auxiliary hoist winch and single pulley hoist mechanism (optional), hoist winch consists of planetary reducer driven by variable motor, through drum, guide pulley and hoist pulley block to achieve main or auxiliary hook block hoisting up/down.

起升机构/Hoist winch

起升机构内置行星减速机，采用常闭制动器，实现“弹簧制动 / 液压释放”功能，安全可靠。卷筒采用球墨铸铁制造的双折线多层卷绕卷筒，具有良好的吸振性，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。
起升机构使用独立钢芯、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 14.1t，钢丝绳直径 ϕ 26 mm，主、副及单滑轮起升绳长分别为 400m、290m 和 200m。

The planetary reducer is built in the hoisting mechanism, and the normally closed brake is adopted to realize the function of "spring brake / hydraulic release", which is safe and reliable. The hoist drum is made of ductile iron with double line multilayer winding, with good vibration absorption, to ensure rope rotation-resistance for multilayer rope winding, effectively increasing the wire rope service life.
The hoisting mechanism uses independent steel core, high breaking force, high extrusion resistance of anti rotation special steel wire rope, rated single rope.
Tensile force 14.1t, wire rope diameter ϕ 26mm. The length of main, auxiliary and single pulley lifting ropes are 400m, 290m and 200m respectively.

变幅机构/ Luffing mechanism

变幅机构包括主变幅机构和塔臂变幅机构。其中主变幅机构为双联卷筒独立驱动，通过销轴安装于转台中部。
主变幅机构由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。
主变幅机构内置行星减速机，采用常闭制动器，实现“弹簧制动 / 液压释放”功能，安全可靠。
主变幅卷筒设有棘轮锁止装置，由液压油缸驱动棘爪，实现多重锁定保护。
主变幅卷筒采用球墨铸铁制造的双折线多层卷绕双联卷筒，具有良好的吸振性，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。
主变幅机构使用高破断拉力的钢丝绳，额定单绳拉力 11t，钢丝绳直径 ϕ 22mm，长度 330m。
塔臂变幅机构与副起升机构为同一装置，安装于主臂底节，通过功能切换实现塔臂变幅。

The luffing mechanism includes main luffing mechanism and tower jib luffing mechanism. The main luffing mechanism is independently driven by the double drum and is installed in the middle of the turntable through the pin shaft.
The main luffing mechanism is a planetary gear reducer driven by a motor, and the luffing of the main boom is realized through the drum and the luffing pulley block. The main luffing mechanism is equipped with a planetary reducer and a normally closed brake to realize the function of "spring braking / hydraulic release", which is safe and reliable.
The luffing drum has a ratchet lock device in which the pawl is driven by hydraulic cylinder to realize multiple protection.
The main luffing drum is made of ductile iron with double line multilayer winding, with good vibration absorption, to ensure rope rotation-resistance for multilayer rope winding, effectively increasing the wire rope service life.
The main luffing mechanism uses steel wire rope with high breaking force, the rated single line pull is 11t, and the diameter of steel wire rope ϕ 22mm, 330m in length.
The luffing mechanism and the auxiliary hoisting mechanism are the same device, installed on boom butt, tower jib luffing is realized through function switching.

回转机构/Slewing Mechanism

回转机构与回转支承采用外啮合方式驱动，布置在转台前部，由马达驱动行星齿轮减速机驱动回转支承，能够实现 360° 回转。
回转机构内置行星减速机，采用常闭制动器，以实现“弹簧制动 / 液压释放”功能，确保回转具有极高的制动安全性。
回转机构还设有机械式回转锁定装置，以实现回转机构的锁定保护。
回转机构具有自由滑转功能。

The slewing mechanism and slewing bearing is outer meshed driven, it is placed in the front of the inner side of turntable, it is the motor drive the planetary gear reducer and slewing bearing to realize 360° slewing.
There is a planetary reducer inside the slewing mechanism which adopted constant closed brake to realize “spring brake/hydraulic release” function, it is reliable and safe.
Slewing mechanism is set with slewing lock device to realize the locking protection to slewing mechanism.
The slewing mechanism has free sliding function.

回转支承/Slewing bearing

采用三排滚柱式直齿外啮合回转支承或椭圆滚道双列球式回转支承，强度高、承载力矩大，精度高、寿命长、维修保养方便。

The 3-row roller type straight tooth external meshing slewing bearing or elliptical raceway double row ball slewing bearing is adopted, with high strength, large bearing moment, high precision, long service life and convenient maintenance.

油缸总成/Cylinder assembly

臂架与转台的连接、车架与履带梁、平衡重托盘与转台的连接，均采用油缸驱动的动力销连接；桅杆顶升油缸、支腿油缸、履带涨紧油缸使安装拆卸更为方便；操纵室设置油缸实现操纵室的垂直翻转和水平旋转。

The connection of boom and turntable, car-body and crawler track, counterweight tray and turntable, are all power-pin connected driven by cylinder. The mast raising cylinder, outrigger cylinder, crawler track tightening cylinder make the assembly and dismantling more convenient; the cab cylinder helps vertical turning-over and horizontal turning-over of cab.

操纵室/ Operator’s cab

人机工程学原理设计的豹头型操纵室，外观华丽，视野宽阔，操作舒适、方便。

The leopard head-shaped control room designed by ergonomic principles has a gorgeous appearance, wide field of vision, and comfortable and convenient operation.

车架/Car-body

车架为箱型放射型结构，高强钢板焊接，整体刚性好、强度大。

The car-body is a box-type radial structure, which is welded by high-strength steel plate, and has good overall rigidity and high strength.

履带行走装置/Crawler track travel device

履带行走装置分为左、右履带行走装置，由履带架、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：左右对称，各 1 件。高强钢板焊接的箱型结构，车架安装定位设有平行垫铁，导向和耐磨效果好。
驱动轮：用高强螺栓连接在行星减速机外壳上。
支重轮：采用双法兰设计，内置浮动式密封，自润滑。
张紧轮：通过油缸和调整垫板，调节履带张紧程度。
托链轮：托链轮内置浮动密封，自润滑。
履带板：安装履带梁上。
行走机构：常闭式行星齿轮减速机，行走动力强劲，有极高的灵活性和机动性。多片湿式常闭制动器，弹簧制动，液压松闸。

There are two crawler tracks, each of the two is composed of track beam, track shoe, bearing roller, a driving roller, a guiding roller, an upper roller, and a tensioning device.
Crawler track: Symmetrically placed both at left side and at right side, and with one at each side. The box-type structure welded by high-strength steel plate, the parallel iron is set at the connection position between track and car-body for guiding and wear-resistance.
Drive roller: High-strength wear-resistant alloy steel, connected to the planetary reducer housing with high-strength bolts.
Bearing roller: High-strength wear-resistant alloy steel with double flange design, built-in floating seal and self-lubricating.
Tensioning roller: adjust the tension of the track through the oil cylinder and adjusting pad.
The upper roller: high-strength wear-resistant alloy steel, built-in floating seal o, self-lubricating.
Track shoes: high-strength wear-resistant alloy steel.
Travel mechanism: constantly closed planetary gear reducer with strong driving power and high flexibility and maneuverability. Multi-plate wet constantly closed brake, spring brake, hydraulic release.

液压系统/Hydraulic system

采用液压先导比例控制的负载敏感 LUDV 系统，速度精准，操作灵敏，微动性好。主阀可实现多个动作的复合操作，结构紧凑，检修方便。
专用回转闭式系统设计，启停平稳，微动性好，比例特性佳，抗负载变化干扰能力强，满足精细吊装作业要求。

Load-sensitive LUDV system with hydraulic pilot proportional control, precise speed, sensitive operation and fine movement. The main valve can realize combined operations of multiple operations, compact structure and convenient maintenance.
Special rotary closed system design, smooth start and stop, good fine-motion, good proportional characteristics, strong anti load change interference ability, meet the requirements of fine lifting operation.

电气系统/ Electrical system

电气系统主要包括如下部分：发动机控制、辅助设备、液压系统控制、力矩限制及安全监控、数据显示等。
电气系统的构成：常规电气系统和 PLC 控制系统。
常规电气系统包括电源、起动控制、操纵室空调及音响、照明、雨刮器等。
PLC 控制系统包括对主副卷扬、回转、主臂变幅等动作的控制、发动机状态监测等，所有动作通过 CAN-bus 总线技术的 PLC 逻辑控制。

The electrical system mainly includes the following parts: engine control, monitoring instruments, auxiliary equipment, hydraulic system control, load moment limit and safety monitoring.
The composition of the electrical system: conventional electrical system and PLC control system.
Conventional electrical system includes power supplies, start controls, cab air conditioning and audio, lighting, wipers, and more.
The PLC control system includes the control of main and auxiliary winches, slewing, main boom luffing, engine condition monitoring, and all actions that are controlled by PLC logic of CAN-bus bus technology.

发动机系统/Engine system

型号：上柴 SC9DF330G3
型式：直列、六缸、水冷、增压中冷、电喷、四冲程柴油发动机；
环保性：符合非道路国Ⅲ及欧Ⅲ排放标准；
额定功率：243kw/2000rpm；
最大输出扭矩：1380N.m；
燃油箱容量：600L。

Model: Shanghai diesel SC9DF330G3
Type: in-line, six-cylinder, water-cooled, supercharged intercooled, four-stroke diesel engine
Environmental protection: in line with national III standard and European III emission standard.
Rated power: 243kw/2000rpm;
Max. output torque: 1380N.m;
Fuel oil tank: 600L.

配重/Counterweight

配重由车身配重和转台配重组成。
车身配重共 12t，车身配重可用桅杆吊实现自拆装，车身配重安装在履带架前后。其组成如下：车身配重 2×6t。
转台配重提供 65t、55t 二种选择。为满足不同吊装需求，设计上按分级配重提供各自独立的性能表，客户使用工况更为实用、经济、方便、快捷。除此之外，根据使用工况最佳的配重数量，也可为客户节约更多的运输成本及购机成本。
转台配重安装在转台后方。可选择的转台配重组成如下：
（1）转台配重 65t：配重托盘 1×15t，转台配重块 10×5t；。
（2）转台配重 55t：配重托盘 1×15t，转台配重块 8×5t。

Counterweight is composed of car-body counterweight and turntable counterweight.
Car-body counterweight is 12t totally, car-body counterweight can realize self-assembly/dismantling by using mast crane, car-body counterweight is installed at the front side and rear side of crawler tracks. Its composition is: car-body counterweight 2×6t.
There are 2 kinds of turntable counterweight to chose: 65t and 55t. For different lifting needs, in the design, independent performance tables are provided according to the grading counterweight, which makes the working conditions of customers more practical, economical, convenient and fast. In addition, according to the best number of counterweights in use conditions, it can also save more transportation costs and purchase costs for customers.
Turntable counterweight is installed at the rear side of turntable. Available counterweight composition is as the following:
(1)Turntable counterweight 65t: counterweight tray 1×15t, turntable counterweight block 10×5t;
(2)Turntable counterweight 55t: counterweight tray 1×15t, turntable counterweight block 8×5t;

吊钩/ Hook block

吊钩配置如下
Hook block configuration is as the follows:

吊钩名称 Hook name	80T	13.5T	160T（选配）(option)	32T（选配）(option)
自重(t) Weight (t)	0.95	0.5	2.18	0.7
数量 Qty.	1	1	1	1
滑轮组数量 Number of pulleys	2	0	8	1

如有特殊需求，需在合同中注明选配 160t、32t 吊钩等约定条款。

In case of special requirements, the contract shall specify the terms of 160t and 32t hook.

安全保护
Safety protection measures

本起重机广泛采用机械、电子和液压等多种安全及报警装置，以确保机器的安全使用。安全装置包括力矩限制器、回转锁定装置、起重臂防后翻装置、起升高度限位装置、起重臂角度限位装置、风速仪、水平仪、摄像头、回转警告、行走警告及液压系统溢流阀、平衡阀、液压锁等。

The crane uses a variety of mechanical, electronic and hydraulic safety and alarm devices to ensure the safe use. Safety devices include load moment limiter, slewing locking device, boom backstop device, lifting height limit device, boom angle limit device, anemometer, level gauge, camera, slewing warning, travel warning, hydraulic system relief valve, balance valve, hydraulic locks, etc.

模式切换/Mode switch

可以进行安装模式和工作切换。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。

In the installation mode, the over-reeving protection device, the boom limit device, the load moment limiter, etc. do not work, so as to facilitate the installation of the crane; in the working mode, all the safety devices work.

紧急停止/Emergency stop

具有紧急停止功能，在紧急情况下，快速停止所有动作。

With emergency stop function, it can quickly stop all actions in an emergency.

防误操作功能/Mis-operation protection

手柄具备防误操作功能，手柄前侧设置有安全保护开关，此开关没有按下时，所有动作信号被屏蔽，手柄不起作用，可以防止误操作。

The handle has mis-operation protection function, and a safety protection switch is arranged on the front side of the handle. When the switch is not pressed, all the action signals are shielded, and the handle does not work to prevent mis-operation.

防过卷功能/Over reeving protection

臂头设置过卷装置，防止钢丝绳过卷。当起升到一定高度时候，显示器上的过卷指示灯亮，同时自动停止起升动作。

There is an over-reeving protection device on the boom head to prevent rope from over-reeved. When it comes to a certain height, the over-reeving indicator is light, meanwhile hoisting movement stops automatically.

防过放功能/Over-releasing protection

起升机构使用编码器作为三圈保护器，可避免卷筒放绳时产生过放。当卷扬钢丝绳只剩三圈时，显示器上的过放指示灯亮，同时自动停止下落动作。

For each hoisting mechanism, there is a rope end limiter to prevent the rope from over released. When the rope is only 3 loops remained, the over-released indicator is light, meanwhile, the lowering movement automatically stops.

棘爪锁止功能/Ratchet lock

具有棘爪锁止装置，用于锁定变幅卷扬，保证臂架在非工作时安全停放。

There is a ratchet lock device used for luffing winch locking to guarantee the safe placing of boom while non-working.

回转锁止功能/Slewing lock

具有回转锁止装置，用于起重机停止时驻车存放，锁定上车回转。

The slewing and locking of superstructure when crane stops.

防后倾功能/Backstop function

具有主臂、副臂支架防后倾装置，防止臂架及支架的后仰。

There are backstop devices on main boom and auxiliary jib to prevent boom and struts from backstop.

起重臂角度限制功能/Boom angle limitation

臂架扳起到规定角度时，起升被停止，由力矩限制器和行程开关双重控制；当臂架在仰角小于规定角度时，下落即被停止，由力矩限制器控制并发出声音报警。

When the boom is hoisted up to specified angle, the hoisting movement stops, and the load moment limiter and stroke switch provides a dual control. When boom angle is smaller than the specified angle, the lowering movement stops, it is controlled by the load moment sound warning is sent out.

吊钩防脱功能/Hook latch protection

起重钩设置防脱卡板，防止悬挂在起重钩钩头的吊索脱落。

Hook latch is installed to prevent the sling from slipping out from the hook.

液压系统安全保护功能/Hydraulic system protection

配置液压平衡阀、液压溢流阀等装置，保证系统工作时稳定安全。

Equipped with hydraulic balance valve, hydraulic relief valve and other devices to ensure the stability and safety of the system.

力矩限制器系统/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。
显示功能：彩色大屏幕触摸式液晶显示器（10.4 寸）。用中文（或英文）和图形方式显示力矩百分比、实际起重量、额定起重量、工作半径、吊臂长度、角度、最大起升高度、工况代码、倍率、限制角度、信息代码等起重作业参数。
警示功能：具有完整的预先报警、超载停止作业功能。如果检测到实际载荷超过额度载荷，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。
系统具有故障自诊断功能。

Detection function: the LML can automatically detect the angle and load of the boom.
Display function: color large screen touch LCD (10.4 inches). The lifting operation parameters such as load moment percentage, actual lifting capacity, rated lifting capacity, working radius, boom length, angle, maximum lifting height, working condition code, parts of line, limiting angle and information code are displayed in Chinese (or English) and graphics.
Warning function: it has complete pre alarm and overload stop function. If it is detected that the actual load exceeds the limit load and the boom exceeds the limit angle, the load moment limiter will give an alarm and limit the current action.
The system has the function of fault self diagnosis.

声光报警功能/Audio/video warning

具有三色报警灯和声光报警器，显示车辆负荷及动作状态，警示司机及车外人员。

There are triple-color warning light and audio/video alarm provide warning to the driver and other personnel outside the cab.

照明灯/Illuminating light

照明灯装在转台前方、操纵室上方和操纵室内，提供照明。

Illuminating lights are placed in front of the turntable, above the cab and in the cab to provide illumination.

后视镜/Rearview mirror

位于操纵室外侧，便于操作司机观察机器后方情况。

Located outside cab, it is convenient for the driver to observe the situation behind the crane.

示高灯/Height indicating light

示高灯安装在臂架顶部，作为高空警示。

The height indicating light is installed on the top of the boom for high altitude warning.

风速仪/Wind instrument

实时检测当前风速，并传送到操纵室的监视器上，提醒操作者注意风载荷安全。

The current wind speed is detected in real time and transmitted to the monitor in the cab to alert the operator to the safety of the wind load.

水平仪/Level gauge

配有电子和机械两种水平仪，可显示使用路面的倾斜程度，为操作者提供机器水平度参考。

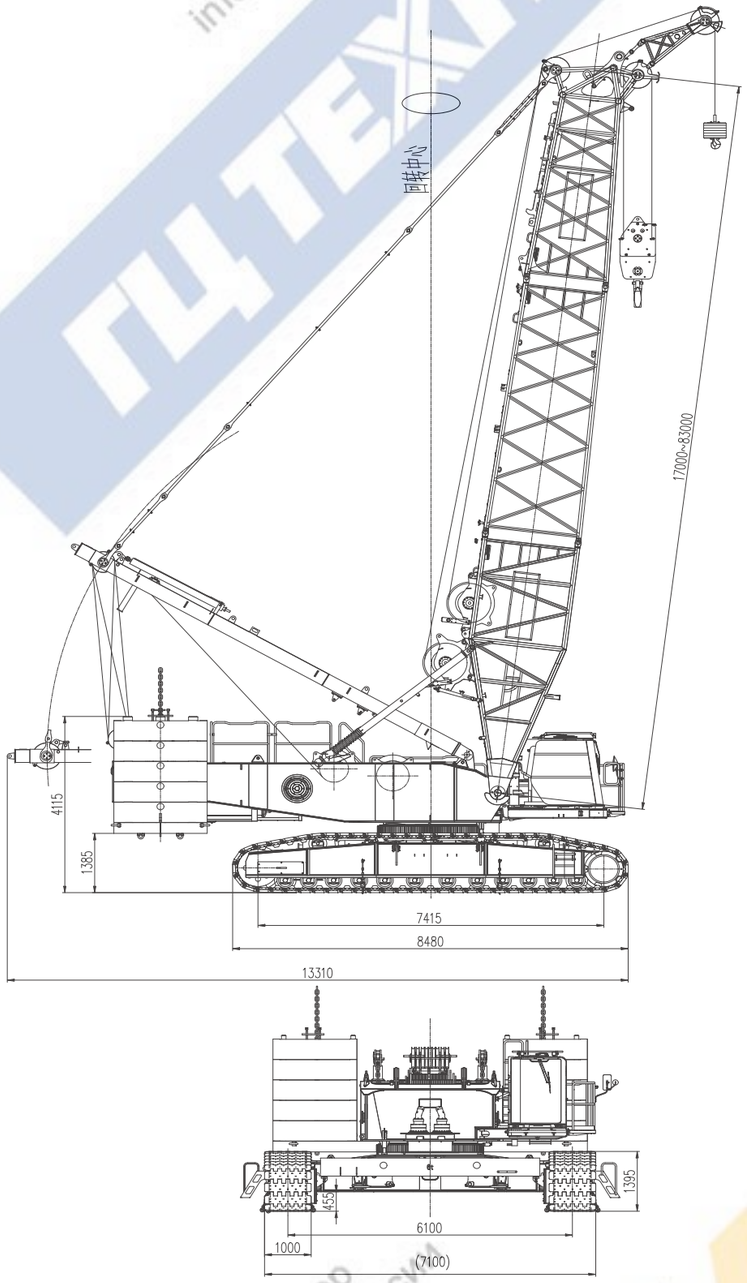
It is equipped with a mechanical level gauge that shows the degree of inclination of the road surface used and provides the operator levelness of crane for reference.

监控系统/Monitoring system

由三个摄像头（其中一个选配）和一个监视器组成，可监视主卷扬、副卷扬和变幅卷扬排绳情况及车身后部安全情况（选配）。

It is composed of three cameras (one of the three is optional) and a monitor, which can monitor the rope arrangement of main winch, auxiliary winch and luffing winch and the safety situation of the rear of the car body (optional).

外形尺寸/ Outline Dimensions



XLC180 履带起重机外形图
XLC180 crawler crane outline dimension

主要技术参数/Technical Parameters

项目/Item			单位/Unit	数值/Data
最大起重力矩 Max. rated lifting capacity	主臂工况	Boom working condition	t	180
	塔式副臂工况	Tower jib working condition	t	75
	固定副臂工况	Fixed jib working condition	t	58
最大起重力矩 Max. load moment			t.m	1050
尺寸参数 Dimensions	主臂长度	Boom length	m	17~83
	塔式副臂长度（选配）	Tower jib length (optional)	m	18~51
	固定副臂长度（选配）	Fixed jib length (optional)	m	9~30
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	2×35
	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	0.9
	最高行驶速度	Max. travel speed	km/h	1.2
发动机 Engine	额定功率	Rated power	kW	243
	排放标准	Emission standard	–	非道路国Ⅲ National Ⅲ off-road
整机重量(基于17m主臂，160t吊钩) Total mass (17m boom, 160t hook block)			t	153
平均接地比压	Mean ground pressure		MPa	0.11
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	29.7
最大单件运输尺寸（长×宽×高）	Max. dimension of single unit in transport state (L×W×H)		m	10×3.0×3.3

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55t转台平衡重、12t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。

Notes:
1. The wire rope speed refers to the calculated value of the outermost working layer of the drum when the engine is running without load, which will vary according to the load and operating conditions.
2. Travel speed, gradeability, average ground pressure and turning speed are calculated theoretical value based on the plane, smooth and solid ground.
3. The table values are the configuration parameters based on 55t turntable counterweight and 12t car-body counterweight.
4. We reserve the right to update and change the technical parameters without prior notice.

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XLC180履带起重机
XLC180 CRAWLER CRANE

C、主臂工况起臂表
C. Boom raising table in boom working condition

无臂端滑轮(HB/1)的主臂工况起臂表
Boom raising table in boom working condition without boom single top (HB/1)

HB/1	配重组合：转台配重(t)+车身配重(t) Counterweight combination: turntable counterweight (t)+car-body counterweight (t)	
主臂组合 Boom combination	65+12	55+12
HB17	×	◎
HB20	×	◎
HB23	◎	◎
HB26	◎	◎
HB29	◎	◎
HB32	◎	◎
HB35	◎	◎
HB38	◎	◎
HB41	◎	◎
HB44	◎	◎
HB47	◎	◎
HB50	◎	◎
HB53	◎	◎
HB56	◎	◎
HB59	◎	◎
HB62	◎	◎
HB65	◎	◎
HB68	◎	◎
*HB71	◎	◎
*HB74	◎	◎
*HB77	◎	◎
*HB80	◎	◎
*HB83	◎	×

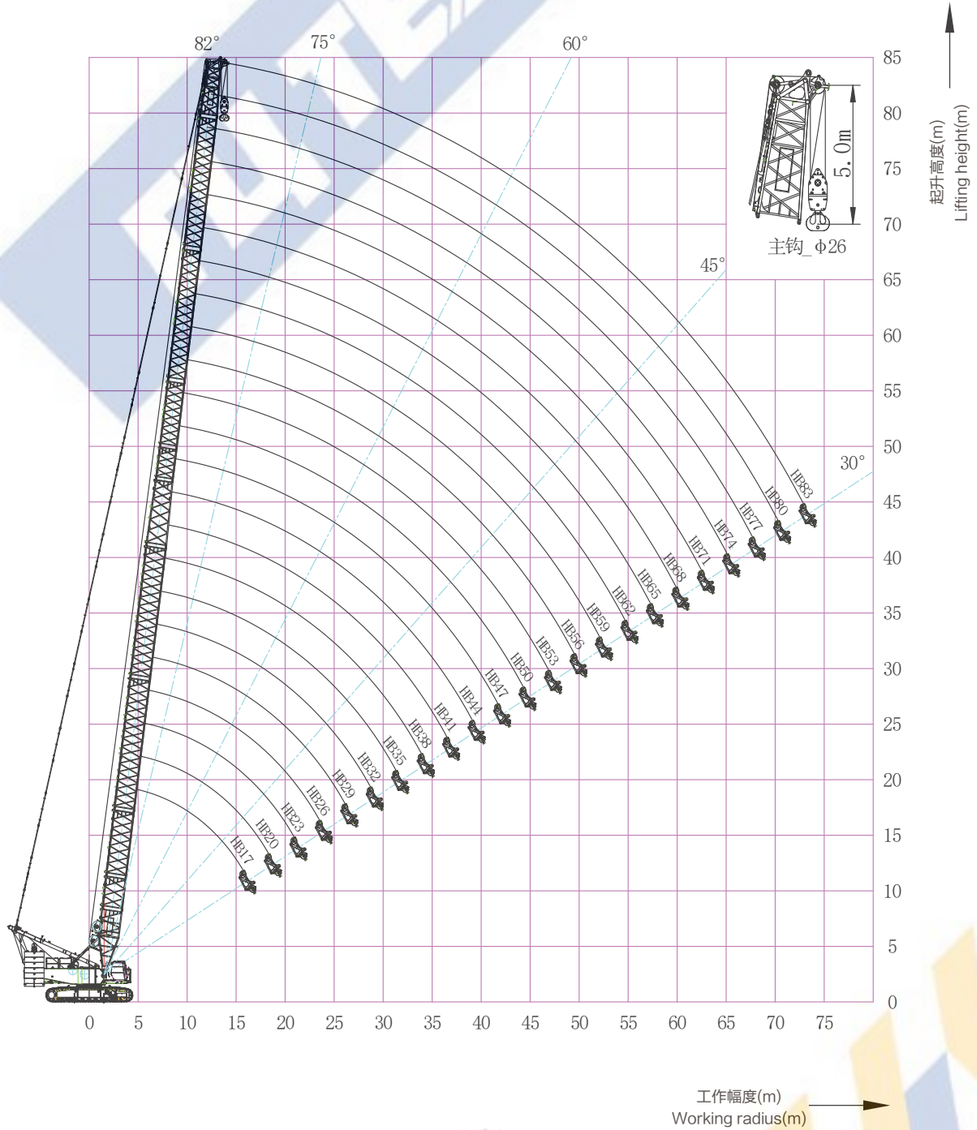
注释：
1.“◎”--可以起臂。“●”--需要楔块辅助起臂。“×”--不可起臂，不允许使用。
2.“*”主臂组合需要使用腰绳。
3.起臂时，请将履带驱动轮置于车体后方。

Notes:
1. “◎” - boom can be raised; “●” -- wedge required to raise boom; “×” - boom cannot be raised, this working condition cannot be used.
2. “*” Boom length needs to use center hitch.
3. When boom raising, place crawler drive roller at the rear of the crane.

典型工况
Typical Working Conditions

1.1主臂工况_无臂端滑轮(HB/1)的主臂主钩特性
1.1charicteristics of main boom main hook under main boom working condition without boom single pulley (HB/1)

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

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

主臂工况_无臂端滑轮HB/1_65t+12t的主臂主钩性能
Performance of main boom main hook under main boom working condition without boom single pulley (HB/1_65t+12t)

作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)										
	23	26	29	32	35	38	41	44	47	50	53
8				125	119	117					
9		114	111	108	106	103	101	98.6	93.1		
10	97.6	97.7	97.8	96.1	93.9	91.8	89.8	87.8	85.9	80.6	76.8
12	74.5	74.5	74.6	74.6	74.5	74.4	73.2	71.7	70.3	69	68.1
14	59.8	59.9	59.9	59.9	59.8	59.7	59.6	59.5	59.3	58.2	57.6
16	49.7	49.7	49.8	49.7	49.7	49.5	49.5	49.3	49.2	49.1	49.3
18	42.3	42.3	42.4	42.3	42.2	42.1	42	41.9	41.8	41.6	41.8
20	36.6	36.6	36.7	36.6	36.6	36.4	36.3	36.2	36.1	35.9	36.1
22		32.1	32.2	32.1	32.1	31.9	31.9	31.7	31.6	31.4	31.6
24		28.4	28.6	28.5	28.4	28.3	28.2	28.1	27.9	27.8	28
26			25.5	25.5	25.4	25.3	25.2	25.1	24.9	24.8	25
28				22.9	22.9	22.8	22.7	22.6	22.4	22.2	22.5
30					20.7	20.6	20.6	20.4	20.3	20.1	20.3
32					18.8	18.8	18.7	18.5	18.4	18.2	18.5
34						17.1	17.1	16.9	16.8	16.6	16.9
36							15.6	15.5	15.4	15.2	15.4
38								14.2	14.1	13.9	14.2
40								13.1	12.9	12.8	13
42									11.9	11.8	12
44										10.8	11.1
46											10.3
倍率 Parts of line	8	10	10	10	10	9	8	8	7	6	6

注释：
1.实际起重量必须从本表的额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上钢丝绳的重量。
2.表中额定载荷是在水平坚硬地面、重物被缓慢平稳吊起、非行走吊重工作时的值。
3.表中额定载荷基于主臂臂节不含塔臂后拉板、塔臂用导向滑轮及臂端单滑轮的计算值。
4.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。
5.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。

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. The rated lifting capacity in the table is the value of the crane on level and solid ground, slowly lifting a load and without travel.
3. The rated lifting capacity in the table is the calculation value based on the boom sections without tower jib rear pendant, tower jib guide pulley and boom single top.
4. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.
5. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.

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

主臂工况_无臂端滑轮HB/1_65t+12t的主臂主钩性能（续前）
Performance of main boom main hook under main boom working condition without boom single pulley (HB/1_65t+12t)（continuous）

作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)									
	56	59	62	65	68	71*	74*	77*	80*	83*
12	66.8	65.5	63.9	55.2	52.5					
14	56.6	55.6	54.6	53.7	50	49.7	45.4	41.4	37.8	34.5
16	48.9	48.1	47.2	46.5	45.8	45	44	40.1	36.7	33.5
18	41.7	41.6	41.4	40.7	40.2	39.5	39	38.4	35.5	32.4
20	36	35.8	35.7	35.5	35.5	35	34.7	34.1	33.6	31.3
22	31.5	31.3	31.2	31	30.9	30.7	30.7	30.5	30.1	29.5
24	27.8	27.7	27.5	27.3	27.3	27.1	27.1	26.9	26.8	26.6
26	24.8	24.7	24.5	24.3	24.2	24	24.1	23.9	23.8	23.6
28	22.3	22.1	22	21.8	21.7	21.5	21.5	21.3	21.2	21
30	20.1	20	19.8	19.6	19.6	19.3	19.3	19.2	19.1	18.9
32	18.3	18.1	17.9	17.8	17.7	17.5	17.5	17.3	17.2	17
34	16.7	16.5	16.3	16.1	16.1	15.8	15.9	15.7	15.6	15.4
36	15.2	15.1	14.9	14.7	14.6	14.4	14.4	14.2	14.1	13.9
38	14	13.8	13.6	13.4	13.4	13.1	13.2	13	12.9	12.7
40	12.9	12.7	12.5	12.3	12.2	12	12	11.8	11.7	11.6
42	11.8	11.7	11.5	11.3	11.2	11	11	10.8	10.7	10.5
44	10.9	10.8	10.6	10.4	10.3	10.1	10.1	9.9	9.8	9.6
46	10.1	9.9	9.7	9.6	9.5	9.3	9.3	9.1	9	8.8
48	9.3	9.2	9	8.8	8.7	8.5	8.5	8.3	8.2	8
50	8.6	8.5	8.3	8.1	8	7.8	7.8	7.6	7.5	7.3
52		7.8	7.6	7.5	7.4	7.2	7.2	7	6.9	6.7
54			7	6.9	6.8	6.6	6.6	6.4	6.3	6.1
56				6.3	6.2	6	6	5.9	5.8	5.6
58				5.8	5.7	5.5	5.5	5.3	5.3	5.1
60					5.2	5	5.1	4.9	4.8	4.6
62						4.6	4.6	4.4	4.3	4.1
64							4.2	4	3.9	3.7
66								3.6	3.5	3.3
68								3.3	3.2	3
70									2.8	2.6
72										2.3
倍率 Parts of line	5	5	5	5	4	4	4	3	3	3

注释：
1.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。
2.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。

Notes:
1. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.
2. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.

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

主臂工况_无臂端滑轮HB/1_55t+12t的主臂主钩性能
Performance of main boom main hook under main boom working condition without boom single pulley (HB/1_55t+12t)

作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)											
	17	20	23	26	29	32	35	38	41	44	47	50
5	180											
6	175	172	169	158								
7	145	145	145	141	136	132						
8	123	123	122	119	115	112	109	106				
9	103	103	103	102	100	97.7	95.2	92.9	90.6	88.4	86.3	
10	87.3	87.6	87.7	87.8	87.9	86.2	84.2	82.3	80.5	78.7	77	75.3
12	66.4	66.7	66.8	66.8	66.9	66.9	66.8	66.8	65.5	64.2	62.9	61.7
14	53.2	53.4	53.6	53.6	53.6	53.6	53.5	53.4	53.4	53.3	52.9	51.9
16	43.9	44.3	44.4	44.4	44.5	44.4	44.4	44.3	44.2	44.1	43.9	43.8
18		37.5	37.7	37.7	37.8	37.7	37.6	37.5	37.4	37.3	37.2	37
20			32.5	32.6	32.6	32.6	32.5	32.4	32.3	32.2	32	31.9
22				28.5	28.6	28.5	28.5	28.3	28.3	28.1	28	27.8
24				25.2	25.3	25.2	25.2	25	25	24.8	24.7	24.5
26					22.5	22.5	22.5	22.3	22.3	22.1	22	21.8
28						20.2	20.2	20	20	19.8	19.7	19.5
30							18.2	18.1	18	17.9	17.7	17.6
32							16.5	16.4	16.3	16.2	16	15.9
34								14.9	14.9	14.7	14.6	14.4
36									13.5	13.4	13.3	13.1
38										12.3	12.1	12
40										11.2	11.1	10.9
42											10.2	10
44												9.2
倍率 Parts of line	16	14	14	13	12	11	10	9	8	7	7	6

注释：
1.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。
2.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。

Notes:
1. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.
2. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.

典型工况
Typical Working Conditions

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

主臂工况_无臂端滑轮HB/1_55t+12t的主臂主钩性能（续前）
Performance of main boom main hook under main boom working condition without boom single pulley (HB/1_55t+12t) (continuous table)

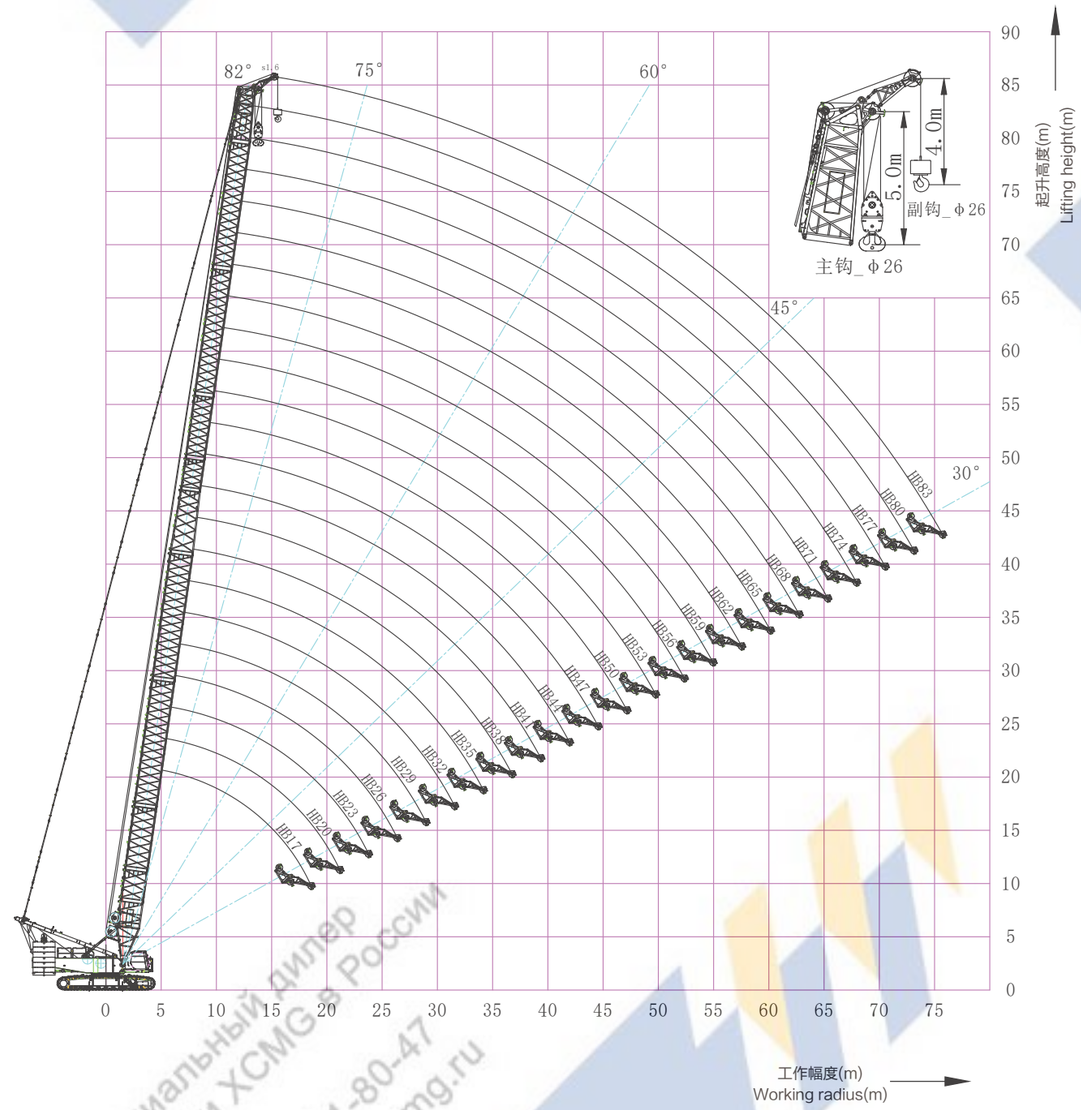
作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)									
	53	56	59	62	65	68	71*	74*	77*	80*
10	74									
12	60.9	59.7	58.5	57.4	55.2	52.5				
14	51.4	50.5	49.6	48.7	47.8	47	46.1	45.4	41.4	37.8
16	44	43.5	42.7	42	41.3	40.6	39.9	39.4	38.7	36.7
18	37.3	37.1	37	36.7	36.1	35.6	34.9	34.5	33.9	33.4
20	32.1	31.9	31.8	31.6	31.5	31.4	30.9	30.6	30	29.6
22	28	27.9	27.7	27.5	27.4	27.3	27.1	27.1	26.8	26.4
24	24.7	24.6	24.4	24.2	24.1	24	23.8	23.8	23.6	23.5
26	22	21.8	21.7	21.5	21.3	21.3	21	21.1	20.9	20.8
28	19.7	19.6	19.4	19.2	19	19	18.8	18.8	18.6	18.5
30	17.8	17.6	17.4	17.3	17.1	17	16.8	16.8	16.6	16.5
32	16.1	15.9	15.8	15.6	15.4	15.3	15.1	15.1	14.9	14.8
34	14.6	14.5	14.3	14.1	13.9	13.9	13.6	13.7	13.5	13.4
36	13.4	13.2	13	12.8	12.6	12.6	12.3	12.4	12.2	12.1
38	12.2	12	11.9	11.7	11.5	11.4	11.2	11.2	11	10.9
40	11.2	11	10.8	10.6	10.5	10.4	10.2	10.2	10	9.9
42	10.3	10.1	9.9	9.7	9.6	9.5	9.2	9.3	9.1	9
44	9.4	9.2	9.1	8.9	8.7	8.6	8.4	8.4	8.2	8.1
46	8.7	8.5	8.3	8.1	8	7.9	7.7	7.7	7.5	7.4
48		7.8	7.6	7.4	7.3	7.2	7	7	6.8	6.7
50		7.2	7	6.8	6.6	6.6	6.3	6.4	6.2	6.1
52			6.4	6.2	6.1	6	5.8	5.8	5.6	5.5
54				5.7	5.5	5.4	5.2	5.3	5.1	5
56					5	4.9	4.7	4.8	4.6	4.5
58					4.5	4.5	4.3	4.3	4.1	4
60						4	3.8	3.9	3.7	3.6
62							3.4	3.5	3.3	3.2
64								3.1	2.9	2.8
66									2.5	2.5
68									2.2	2.1
倍率 Parts of line	6	5	5	5	5	4	4	4	3	3

注释：
1.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。
2.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。

Notes:
1. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.
2. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.

1.3主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩特性
1.3 Characteristics of boom single pulley auxiliary hook under main boom working condition with main 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
working radius of boom single pulley auxiliary hook under main boom working condition with main boom main hook (HBS/2)



主臂工况_无臂端滑轮(HB/2)的主臂主钩工作范围图
Working radius of boom single pulley auxiliary hook under main boom working condition without main boom main hook (HBS/2)

1.3主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩特性
1.3 Characteristics of boom single pulley auxiliary hook under main boom working condition with main boom main hook (HBS/2)

主臂工况_带主臂主钩HBS/2_65t+12t的臂端滑轮副钩性能
Performance of boom single pulley auxiliary hook under main boom working condition with main boom main hook (HBS/2_65t+12t)

作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)										
	23	26	29	32	35	38	41	44	47	50	53
10			13.5	13.5	13.5	13.5	13.5	13.5			
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
24		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
26		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
28			13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30				13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
32					13.5	13.5	13.5	13.5	13.5	13.5	13.5
34					13.5	13.5	13.5	13.5	13.5	13.5	13.5
36						13.5	13.5	13.5	13.5	13.4	13.5
38							12.5	12.4	12.3	12.1	12.3
40								11.2	11.1	11	11.2
42									10.1	9.9	10.2
44									9.1	9	9.2
46										8.1	8.4
48											7.6
倍率 Parts of line	1	1	1	1	1	1	1	1	1	1	1

注释：
1.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。
2.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。

Notes:
1. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.
2. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.

1.3主臂工况_带主臂主钩(HBS/2)的臂端滑轮副钩特性
1.3 Characteristics of boom single pulley auxiliary hook under main boom working condition with main boom main hook (HBS/2)

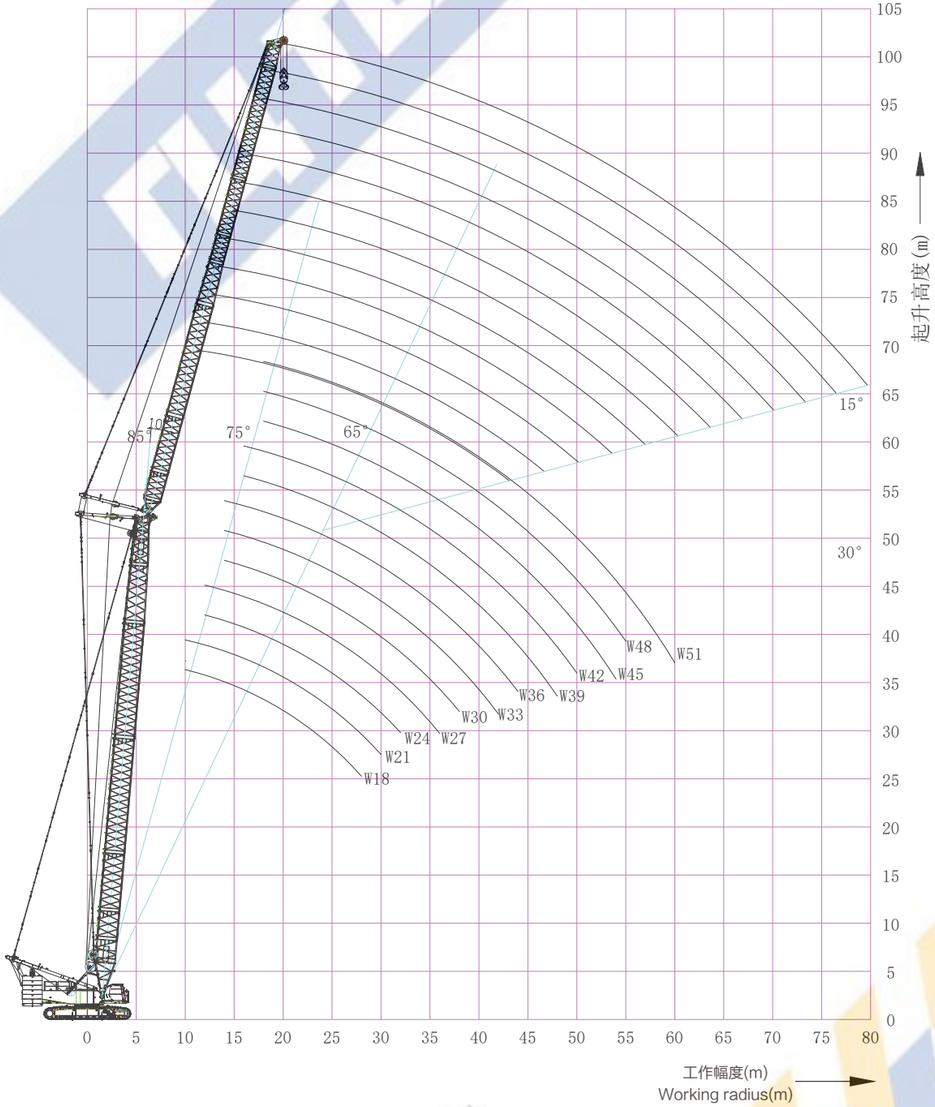
主臂工况_带主臂主钩HBS/2_65t+12t的臂端滑轮副钩性能（续前）
Performance of boom single pulley auxiliary hook under main boom working condition with main boom main hook (HBS/2_65t+12t)

作业半径（m）Working radius (m)	主臂长度（m）Boom length (m)										
	53	56	59	62	65	68	71*	74*	77*	80*	83*
12	13.5	13.5									
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5				
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
32	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
34	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
36	13.5	13.5	13.3	13.1	13	12.9	12.7	12.7	12.5	12.4	12.2
38	12.3	12.2	12	11.8	11.7	11.6	11.4	11.4	11.2	11.1	10.9
40	11.2	11	10.9	10.7	10.5	10.4	10.2	10.2	10	9.9	9.8
42	10.2	10	9.8	9.6	9.5	9.4	9.2	9.2	9	8.9	8.7
44	9.2	9	8.9	8.7	8.5	8.5	8.2	8.3	8.1	8	7.8
46	8.4	8.2	8	7.8	7.7	7.6	7.4	7.4	7.2	7.1	6.9
48	7.6	7.4	7.3	7.1	6.9	6.8	6.6	6.6	6.4	6.3	6.2
50		6.7	6.5	6.4	6.2	6.1	5.9	5.9	5.7	5.6	5.4
52		6	5.9	5.7	5.5	5.5	5.2	5.3	5.1	5	4.8
54			5.3	5.1	4.9	4.8	4.6	4.7	4.5	4.4	4.2
56				4.5	4.4	4	4.1	4.1	3.9	3.8	3.6
58					3.8	3.1	3.6	3.6	3.4	3.3	3.1
60					3.3	2.3	3.1	3.1	2.9	2.8	2.6
62						1.5	2.6	2.6	2.5	2.4	2.2
64							2.2	2.2	2	1.9	1.7
66								1.8	1.6	1.5	
倍率 Parts of line	1	1	1	1	1	1	1	1	1	1	1

注释：
1.主臂长度超过71m的“*”处组合需使用腰绳，主臂长度超过74m推荐使用斜楔辅助起臂。
2.主臂各臂节需拆去塔臂后拉板,主臂顶节需拆去塔臂用导向滑轮。

Notes:
1. Boom length exceeds 71m with “*”, center hitch must be used; boom length exceeds 74m, a wedge block must be used for boom raising.
2. Tower jib rear pendant need to be removed from boom sections, tower jib guide pulley need to be removed from boom top.

2.4塔式副臂工况（HW）作业范围图
2.4 Working radius of tower jib working condition (HW)



塔式副臂工况（HW）工作范图
Working radius of tower jib working condition (HW)

2.5塔式副臂工况（HW）部分起重性能
2.5 Partial lifting performance of tower jib working condition (HW)

说明：
1.实际起重量必须从本表的额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上钢丝绳的重量。
2.表中额定载荷是在水平坚硬地面、坡度不超过1%、重物被缓慢平稳吊起、非行走吊重工作时的值。
3.载荷值是在重物自由悬挂状态下，未考虑风载对吊重的影响、地面状况、地面坡度、操作速度以及其它任何对设备安全操作有负面影响的因素。因此，操作手有责任判断当前情况，相应地降低载荷并减慢速度。
4.塔式副臂长度超过48m需使用腰绳，主臂+塔臂组合长度超过71m推荐使用斜楔辅助起臂。

Notes:
1.The actual lifting weight is the remained weight after the weights of hook, slings and wire ropes reeved on hook and boom (jib) head are subtracted from the rated lifting load in table.
2.The rated loads in the table are the lifted values when the loads are lifted slowly and stably in non−travelling state on plane and solid ground with the gradient no more than 1%.
3.The load values given in the table are the load hanging freely without consideration of the influence of wind load to the lifted load, the ground condition, gradient, operation speed and nay other factors negatively impact on the safe operation of the crane. Thus, the operator is responsible for the current situation judgment, reducing the lifted load correspondingly and reducing the speed.
4.When tower jib length exceeds 48m, a center hitch must be used; When the combination length of the main boom and jib exceeds 71m, a wedge block is recommended to be used to raise the boom (jib).

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂20m，主臂角度85°，塔式副臂长度/m Boom 20m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
10	75	74.5											10
12	68.3	66.3	64.3	62.2									12
14	60.3	58.9	57.4	55.7	54	52.2	50.5						14
16	49.4	51.1	51.6	50.3	48.9	47.5	44.7	42	38.2				16
18	39.8	42	43.2	43.8	44.2	43	38.7	36.6	33.5	31.6	28.7	26.9	18
20	31.4	34.8	36.4	37.1	37.6	37.5	34	32.3	29.7	28	25.5	23.8	20
22		28.8	30.8	31.8	32.4	32.8	30.2	28.8	26.4	25	22.7	21.2	22
24		21	26.1	27.5	28.2	28.7	27	25.8	23.7	22.4	20.4	19	24
26			21.1	23.7	24.6	25.2	24.4	23.2	21.4	20.1	18.4	17	26
28				20.2	21.5	22.2	22.1	21	19.4	18.2	16.6	15.3	28
30					18.7	19.6	20.2	19.1	17.7	16.5	15.1	13.8	30
32					15	17.3	18.1	17.5	16.2	15	13.7	12.5	32
34						14.6	16.1	16.1	14.8	13.7	12.5	11.4	34
36							14.1	14.8	13.6	12.6	11.4	10.3	36
38							11.1	13.2	12.5	11.5	10.4	9.4	38
40								10.9	11.6	10.6	9.5	8.5	40
42									10.6	9.8	8.7	7.8	42
44									8.4	9	8	7.1	44
46										8.2	7.3	6.4	46
48											6.7	5.8	48
50											6.2	5.3	50
52												4.8	52
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂23m，主臂角度85°，塔式副臂长度/m Boom 23m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
10	74.5												10
12	64.4	62.6	60.8	58.8									12
14	56.5	55.2	53.8	52.3	50.7	49.1							14
16	49.5	49.1	48.1	46.9	45.7	44.4	43.2	41.8	38.5				16
18	41.1	43.2	43.4	42.4	41.4	40.4	39.2	37	33.8	31.8	28.9	26.9	18
20	32.9	35.8	37.3	38.1	37.8	36.9	34.4	32.7	30	28.3	25.7	24	20
22		29.7	31.7	32.6	33.2	33.6	30.5	29.1	26.7	25.2	22.9	21.4	22
24		23.1	26.9	28.1	28.8	29.4	27.3	26	24	22.6	20.6	19.1	24
26			22.5	24.3	25.2	25.9	24.6	23.5	21.6	20.3	18.6	17.2	26
28				20.8	22	22.8	22.3	21.2	19.6	18.4	16.8	15.5	28
30				16.3	19.2	20.2	20.4	19.3	17.8	16.7	15.2	14	30
32					16.3	17.7	18.5	17.7	16.3	15.2	13.8	12.7	32
34						15.4	16.4	16.2	14.9	13.9	12.6	11.5	34
36						12	14.5	14.9	13.7	12.7	11.5	10.4	36
38							12.1	13.5	12.7	11.7	10.5	9.5	38
40								11.8	11.7	10.7	9.6	8.6	40
42									10.8	9.9	8.8	7.8	42
44									9.2	9.1	8.1	7.1	44
46										8.4	7.4	6.5	46
48											6.8	5.9	48
50											6.2	5.4	50
52												4.9	52
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂26m，主臂角度85°，塔式副臂长度/m Boom 26m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
10	72.4												10
12	62.3	60.6	58.8	56.8									12
14	54.4	53.1	51.9	50.4	48.9	47.3							14
16	48	47.1	46.2	45.1	43.9	42.7	41.5	40.1	38.9				16
18	40.7	42.2	41.5	40.6	39.7	38.7	37.7	36.6	34.2	32.1	29.1		18
20	34.1	36.5	37.5	36.8	36.1	35.3	34.5	33	30.2	28.5	25.9	24.2	20
22		30.6	32.5	33.4	33	32.3	30.9	29.4	27	25.5	23.1	21.6	22
24		24.8	27.6	28.8	29.6	29.7	27.6	26.3	24.2	22.8	20.8	19.3	24
26			23.2	24.9	25.9	26.4	24.9	23.7	21.8	20.5	18.7	17.3	26
28				21.4	22.6	23.3	22.6	21.4	19.8	18.5	16.9	15.6	28
30				17.7	19.7	20.6	20.6	19.5	18	16.8	15.4	14.1	30
32					16.9	18.1	18.8	17.8	16.5	15.3	14	12.8	32
34						15.8	16.8	16.4	15.1	14	12.7	11.6	34
36						13	14.8	15.1	13.9	12.8	11.6	10.5	36
38							12.9	13.8	12.8	11.8	10.6	9.6	38
40								12.2	11.8	10.8	9.7	8.7	40
42								9.8	10.9	10	8.9	7.9	42
44									9.9	9.2	8.2	7.2	44
46										8.5	7.5	6.6	46
48											6.9	6	48
50											6.3	5.4	50
52												4.9	52
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂29m，主臂角度85°，塔式副臂长度/m Boom 29m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
10	70.7												10
12	60.6	58.9	57.1										12
14	52.8	51.5	50.3	48.8	47.3	45.8							14
16	46.5	45.6	44.7	43.6	42.4	41.2	40	38.8					16
18	39.5	40.7	40	39.2	38.3	37.3	36.4	35.3	34.4	32.3	29.3		18
20	33.9	35.3	36.1	35.5	34.7	34	33.2	32.3	30.5	28.7	26.1	24.4	20
22	26.2	30.8	32	32.3	31.7	31.1	30.4	29.7	27.2	25.7	23.3	21.8	22
24		25.7	28.2	29.1	29.1	28.5	27.9	26.6	24.4	23	21	19.5	24
26			23.9	25.6	26.4	26.3	25.1	24	22	20.7	18.9	17.5	26
28				22	23.1	23.7	22.8	21.7	20	18.7	17.1	15.8	28
30				18.5	20.2	21	20.8	19.7	18.2	17	15.5	14.3	30
32					17.4	18.5	19	18	16.6	15.5	14.1	12.9	32
34						16.2	17.2	16.5	15.2	14.1	12.8	11.7	34
36						13.8	15.2	15.2	14	12.9	11.7	10.6	36
38							13.3	14	12.9	11.9	10.7	9.7	38
40								12.5	11.9	10.9	9.8	8.8	40
42								10.5	11	10.1	9	8	42
44									10.2	9.3	8.2	7.3	44
46										8.6	7.6	6.6	46
48										7.9	6.9	6	48
50											6.4	5.5	50
52												5	52
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂32m，主臂角度85°，塔式副臂长度/m Boom 32m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	59.7	57.9	56.1										12
14	51.9	50.6	49.3	47.9	46.4								14
16	45.6	44.7	43.8	42.7	41.5	40.3	39.2	37.9					16
18	38.8	39.9	39.2	38.4	37.5	36.5	35.6	34.5	33.6	32.4	28.9		18
20	33.4	34.6	35.4	34.7	34	33.2	32.4	31.6	30.8	28.9	26.3	24.4	20
22	28.3	30.2	31.2	31.5	31	30.3	29.7	29	27.5	25.9	23.5	22	22
24		26.6	27.6	28.4	28.3	27.8	27.3	26.7	24.6	23.2	21.1	19.7	24
26			24.6	25.3	26	25.6	25.2	24.2	22.2	20.9	19.1	17.7	26
28			20	22.5	23.4	23.7	23	21.9	20.2	18.9	17.2	15.9	28
30				19	20.6	21.5	21	19.9	18.3	17.2	15.6	14.4	30
32					17.8	19	19.2	18.2	16.8	15.6	14.2	13	32
34						16.6	17.5	16.7	15.4	14.3	13	11.8	34
36						14.3	15.5	15.3	14.1	13.1	11.8	10.7	36
38							13.6	14.2	13	12	10.8	9.8	38
40								12.7	12	11	9.9	8.9	40
42								11	11.1	10.2	9.1	8.1	42
44									10.3	9.4	8.3	7.4	44
46										8.7	7.6	6.7	46
48										8	7	6.1	48
50											6.4	5.6	50
52												5	52
54												4.6	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂35m，主臂角度85°，塔式副臂长度/m Boom 35m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	58.9	57.1											12
14	51.1	49.9	48.6	47.1	45.6								14
16	44.8	44	43.1	42	40.8	39.6	38.4	37.1					16
18	37.9	39.2	38.5	37.7	36.8	35.8	34.9	33.8	32.9	31.8			18
20	32.6	33.7	34.7	34	33.3	32.5	31.8	30.9	30.2	29.1	26.4	24.3	20
22	28.4	29.5	30.4	30.9	30.4	29.7	29.1	28.4	27.7	26.1	23.7	22.1	22
24		26	26.9	27.6	27.8	27.3	26.8	26.1	24.9	23.4	21.3	19.8	24
26			24	24.6	25.2	25.1	24.7	24.2	22.4	21.1	19.2	17.8	26
28			20.7	22.2	22.7	23.1	22.8	22.1	20.3	19.1	17.4	16.1	28
30				19.5	20.6	21	21.2	20.1	18.5	17.3	15.8	14.5	30
32					18.3	19.2	19.4	18.4	16.9	15.8	14.4	13.1	32
34					15.3	17	17.8	16.8	15.5	14.4	13.1	11.9	34
36						14.6	15.8	15.5	14.2	13.2	11.9	10.8	36
38							13.9	14.3	13.1	12.1	10.9	9.9	38
40								13	12.1	11.1	10	9	40
42								11.3	11.2	10.3	9.2	8.2	42
44									10.4	9.5	8.4	7.5	44
46										8.7	7.7	6.8	46
48										8.1	7.1	6.2	48
50											6.5	5.6	50
52												5.1	52
54												4.6	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂38m，主臂角度85°，塔式副臂长度/m Boom 38m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	58.2	56.3											12
14	50.5	49.2	47.8	46.3	44.8								14
16	44.1	43.4	42.5	41.3	40.1	38.9	37.7						16
18	37.3	38.5	38	37.1	36.2	35.2	34.2	33.2	32.2	31.1			18
20	32.2	33.2	34.2	33.5	32.8	32	31.2	30.4	29.6	28.6	26.3	24	20
22	28.1	29.1	29.9	30.4	29.8	29.2	28.6	27.9	27.2	26.2	23.8	22.2	22
24		25.7	26.5	27.1	27.3	26.8	26.3	25.7	25.1	23.6	21.4	20	24
26			23.7	24.2	24.7	24.6	24.2	23.7	22.6	21.3	19.4	18	26
28			21.3	21.8	22.3	22.7	22.4	21.9	20.5	19.2	17.5	16.2	28
30				19.8	20.2	20.6	20.8	20.3	18.7	17.5	15.9	14.6	30
32					18.5	18.8	19.1	18.5	17.1	15.9	14.5	13.3	32
34					15.8	17.3	17.6	17	15.6	14.5	13.2	12	34
36						15	16.1	15.6	14.4	13.3	12.1	10.9	36
38							14.1	14.4	13.2	12.2	11	10	38
40							12.1	13.2	12.2	11.2	10.1	9.1	40
42								11.5	11.3	10.3	9.3	8.3	42
44									10.5	9.5	8.5	7.5	44
46									9.5	8.8	7.8	6.9	46
48										8.2	7.2	6.2	48
50											6.6	5.7	50
52												5.2	52
54												4.7	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂41m，主臂角度85°，塔式副臂长度/m Boom 41m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	57.4	55.4											12
14	49.9	48.5	47.1	45.6									14
16	43.2	42.8	41.8	40.7	39.5	38.2	37						16
18	36.5	37.6	37.4	36.5	35.6	34.6	33.6	32.6	31.6	30.5			18
20	31.6	32.4	33.3	33	32.2	31.4	30.7	29.8	29	28.1	26	23.7	20
22	27.6	28.4	29.2	29.8	29.4	28.7	28.1	27.4	26.7	25.9	23.9	22.2	22
24		25.2	25.8	26.4	26.8	26.3	25.8	25.2	24.7	23.8	21.6	20.1	24
26		22.4	23.1	23.6	24.1	24.2	23.8	23.3	22.8	21.4	19.5	18.1	26
28			20.8	21.3	21.7	22	22	21.5	20.7	19.4	17.7	16.3	28
30				19.3	19.7	20	20.3	20	18.8	17.6	16	14.8	30
32					18	18.3	18.6	18.6	17.2	16	14.6	13.4	32
34					16.2	16.8	17.1	17.2	15.8	14.7	13.3	12.1	34
36						15.3	15.8	15.8	14.5	13.4	12.2	11	36
38							14.4	14.6	13.4	12.3	11.1	10	38
40							12.4	13.5	12.3	11.3	10.2	9.2	40
42								11.9	11.4	10.4	9.3	8.3	42
44									10.6	9.6	8.6	7.6	44
46									9.8	8.9	7.9	6.9	46
48										8.3	7.2	6.3	48
50											6.7	5.8	50
52											6.1	5.2	52
54												4.8	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂44m，主臂角度85°，塔式副臂长度/m Boom 44m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	56.6												12
14	49.2	47.8	46.4	44.8									14
16	42.6	42.3	41.2	40	38.8	37.5	36.3						16
18	36.1	37.1	36.9	36	35	34	33	32	31				18
20	31.2	32	32.8	32.5	31.7	30.9	30.1	29.3	28.5	27.4	25.6	23.4	20
22	27.4	28.1	28.7	29.3	28.9	28.2	27.6	26.9	26.2	25.4	23.9	21.9	22
24		24.9	25.5	26	26.4	25.9	25.4	24.7	24.2	23.5	21.7	20.2	24
26		22.2	22.9	23.3	23.7	23.8	23.4	22.9	22.4	21.6	19.6	18.2	26
28			20.6	21	21.4	21.7	21.6	21.2	20.8	19.5	17.8	16.4	28
30				19.1	19.4	19.7	20	19.6	19	17.7	16.1	14.9	30
32				17.4	17.8	18	18.3	18.3	17.3	16.2	14.7	13.5	32
34					16.3	16.6	16.8	17	15.9	14.8	13.4	12.2	34
36						15.3	15.5	15.5	14.6	13.5	12.3	11.1	36
38							14.2	14.2	13.5	12.4	11.2	10.1	38
40							12.8	12.9	12.4	11.4	10.3	9.2	40
42								11.8	11.5	10.5	9.4	8.4	42
44									10.7	9.7	8.7	7.7	44
46									9.9	9	8	7	46
48										8.3	7.3	6.4	48
50											6.7	5.8	50
52											6.2	5.3	52
54												4.8	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂47m，主臂角度85°，塔式副臂长度/m Boom 47m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	55.2												12
14	48.6	47.1	45.6	44									14
16	41.9	41.7	40.6	39.4	38.1	36.8							16
18	35.5	36.4	36.3	35.4	34.4	33.4	32.4	31.1	29.2				18
20	30.8	31.5	32.2	32	31.2	30.4	29.6	28.7	27.6	25.9	24.2		20
22	27	27.6	28.2	28.7	28.4	27.8	27.1	26.4	25.7	24.4	23	21.5	22
24		24.6	25.1	25.5	25.9	25.5	24.9	24.3	23.8	22.9	21.7	20.3	24
26		22	22.5	22.8	23.2	23.4	23	22.4	22	21.3	19.7	18.3	26
28			20.3	20.7	20.9	21.2	21.3	20.8	20.4	19.7	17.9	16.5	28
30				18.8	19.1	19.3	19.5	19.3	18.9	17.9	16.3	15	30
32				17.2	17.5	17.7	17.9	17.7	17.4	16.3	14.8	13.6	32
34					16.1	16.3	16.4	16.2	16	14.9	13.5	12.3	34
36						15	15	14.8	14.7	13.7	12.4	11.2	36
38						13.6	13.6	13.5	13.4	12.5	11.3	10.2	38
40							12.4	12.4	12.3	11.5	10.4	9.3	40
42								11.3	11.3	10.6	9.5	8.5	42
44									10.4	9.8	8.7	7.8	44
46									9.5	9.1	8	7.1	46
48										8.4	7.4	6.4	48
50											6.8	5.9	50
52											6.3	5.4	52
54												4.9	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

典型工况
Typical Working Conditions

A、主臂工作角度85°
A、Main boom working angle is 85°

幅度/m Radius/m	主臂50m，主臂角度85°，塔式副臂长度/m Boom 50m，Boom angle 85°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
12	52.9												12
14	47.9	46	43.9										14
16	41.3	41	39.9	38.7	37.1	35.2							16
18	35.1	35.9	35.8	34.8	33.8	32.8	31	29.1	27.4				18
20	30.4	31	31.7	31.5	30.7	29.8	28.9	27.3	25.9	24.3	22.8		20
22	26.7	27.3	27.8	28.3	28	27.3	26.6	25.4	24.2	22.9	21.6	20.3	22
24		24.3	24.7	25.1	25.4	25	24.5	23.5	22.5	21.5	20.4	19.2	24
26		21.8	22.2	22.5	22.8	23	22.4	21.6	20.9	20	19.1	18.1	26
28			20.1	20.4	20.6	20.8	20.4	19.9	19.3	18.6	17.8	16.6	28
30				18.6	18.8	19	18.6	18.2	17.8	17.2	16.4	15.1	30
32				17	17.2	17.2	17	16.6	16.3	15.9	14.9	13.7	32
34					15.8	15.6	15.4	15.2	15	14.6	13.6	12.4	34
36						14.2	14.1	13.9	13.7	13.5	12.5	11.3	36
38						12.9	12.8	12.7	12.6	12.4	11.4	10.3	38
40							11.7	11.6	11.6	11.4	10.5	9.4	40
42								10.6	10.6	10.5	9.6	8.6	42
44								9.7	9.7	9.7	8.8	7.8	44
46									8.9	8.9	8.1	7.1	46
48										8.2	7.5	6.5	48
50											6.9	5.9	50
52											6.3	5.4	52
54												4.9	54
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

C、主臂工作角度65°
C.Main boom working angle is 65°

幅度/m Radius/m	主臂50m，主臂角度65°，塔式副臂长度/m Boom 50m，Boom angle 65°，Tower jib length/m												幅度/m Radius/m
	18	21	24	27	30	33	36	39	42	45	48	51	
36	13.2	12.9											36
38	12.2	12	11.8										38
40	11.4	11.2	11	10.8									40
42		10.4	10.3	10	9.8								42
44			9.6	9.4	9.1	8.8							44
46			9	8.8	8.5	8.3	8.1						46
48				8.2	8	7.7	7.6	7.3	7.2				48
50					7.5	7.3	7.1	6.9	6.7	6.5			50
52					7	6.8	6.7	6.4	6.3	6.1	5.9		52
54						6.4	6.2	6	5.9	5.7	5.5	5.2	54
56							5.9	5.6	5.5	5.3	5.1	4.9	56
58							5.5	5.3	5.2	5	4.8	4.5	58
60								4.9	4.9	4.6	4.5	4.2	60
62									4.6	4.3	4.2	3.9	62
64										4	3.9	3.7	64
66										3.8	3.6	3.4	66
68											3.4	3.2	68
70												2.9	70
72												2.7	72
配重 Countweight	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	65+12	配重 Countweight
倍率 Parts of line	6	6	6	6	5	5	4	4	3	3	3	3	倍率 Parts of line

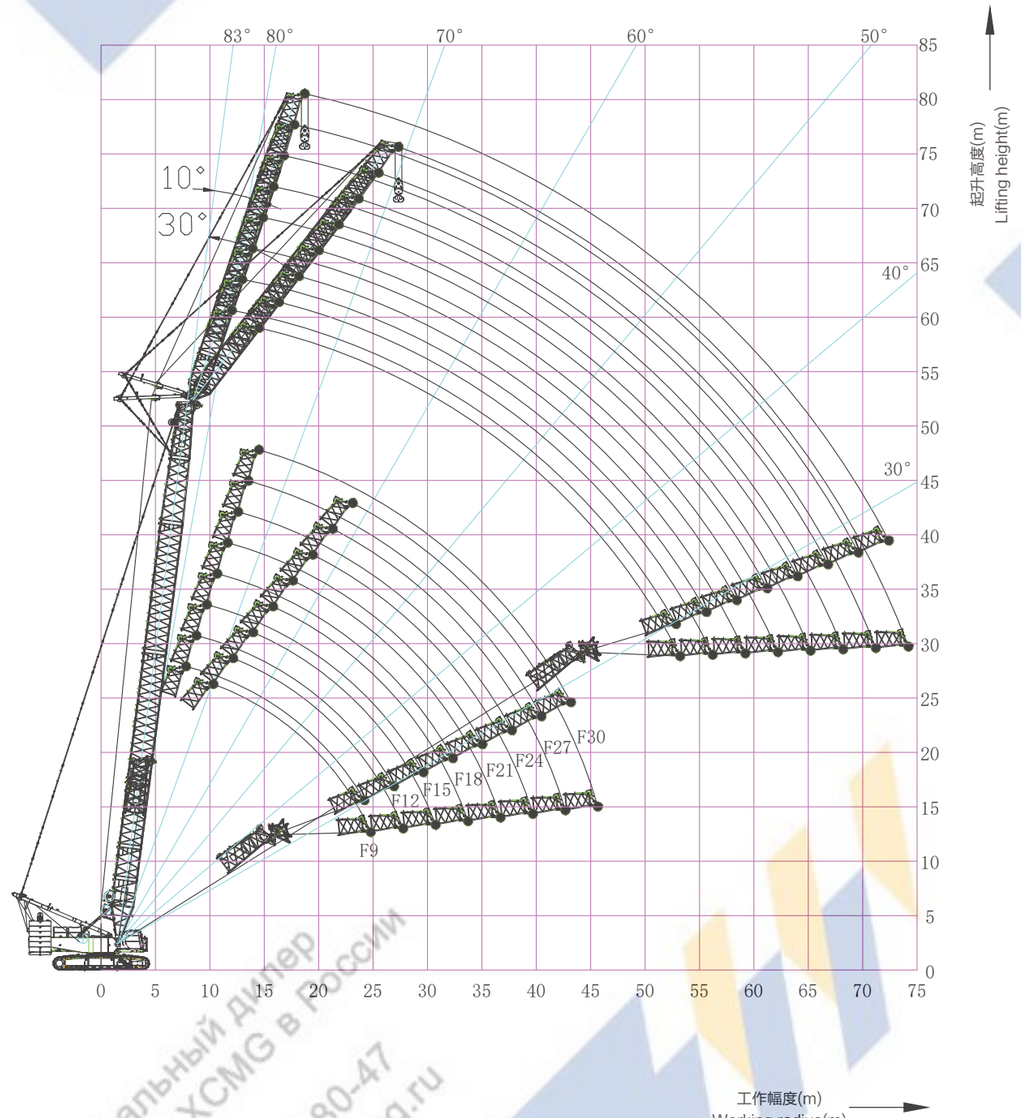
3.3固定副臂工况(HF)起臂表（配重组合65t+12t）
3.3 Boom raising table of fixed jib working condition (HF)（counterweight combination 75t+21t）

主臂 Main boom / 塔臂 Tower jib	HB32	HB35	HB38	HB41	HB44	HB47	HB50	HB53	HB56	HB59	HB62
F9	●	●	●	●	●	●	●	●	●	●	●
F12	●	●	●	●	●	●	●	●	●	●	×
F15	●	●	●	●	●	●	●	●	●	●	×
F18	●	●	●	●	●	●	●	●	●	×	×
F21	●	●	●	●	●	●	●	●	×	×	×
F24	●	●	●	●	●	●	●	●	×	×	×
F27	●	●	●	●	●	●	●	×	×	×	×
F30	●	●	●	●	●	●	×	×	×	×	×

注：
1. 起臂时，请将履带驱动轮置于车体后方。
2. “●”--可以起臂，“×”--不可起臂，工况不可使用。
3. 主臂各臂节需拆去塔臂后拉板,主臂顶节须安装塔臂用导向滑轮。
4. 对于主臂与副臂长度之和超过71m的臂架组合，若条件允许，推荐采用斜楔辅助起臂，以确保起落臂架更安全。

Notes:
1.When raising boom, place the drive roller of crawler tracks at the rear of the crane body.
2. “●” —means boom raising is allowable, “×” —means boom raising is not allowable, this working condition cannot be used.
3.Tower jib rear pendants need to be removed from boom sections; jib guide pulley needs to be installed on boom top section.
4.For the combinations which the length of boom plus the length of jib exceeds 71m, if it is available, a wedge block is recommended to be used to ensure the safety of boom (jib) raising and lowering.

3.4固定副臂工况（HF）作业范围图
3.4 Working radius of fixed jib working condition (HF)



固定副臂工况（HF）工作范图图
Working radius of fixed jib working condition

典型工况
Typical Working Conditions

3.5固定副臂工况（HF）部分起重性能
3.5 Partial lifting performance of fixed jib working condition (HF)

说明：
1.实际起重量必须从本表的额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上钢丝绳的重量。
2.表中额定载荷是在水平坚硬地面、坡度不超过1%、重物被缓慢平稳吊起、非行走吊重工作时的值。
3.载荷值是在重物自由悬挂状态下，未考虑风载对吊重的影响、地面状况、地面坡度、操作速度以及其它任何对设备安全操作有负面影响的因素。因此，操作手有责任判断当前情况，相应地降低载荷并减慢速度。
4.主臂+副臂组合长度超过71m推荐使用斜楔辅助起臂。

Notes:
1.The actual lifting weight is the remained weight after the weights of hook, slings and wire ropes reeved on hook and boom (jib) head are subtracted from the rated lifting load in table.
2.The rated loads in the table are the lifted values when the loads are lifted slowly and stably in non-travelling state on plane and solid ground with the gradient no more than 1%.
3.The load values given in the table are the load hanging freely without consideration of the influence of wind load to the lifted load, the ground condition, gradient, operation speed and nay other factors negatively impact on the safe operation of the crane. Thus, the operator is responsible for the current situation judgment, reducing the lifted load correspondingly and reducing the speed.
4.When the combination length of the main boom and jib exceeds 71m, a wedge block is recommended to be used to raise the boom (jib).

A、主、副臂安装角度10°
A.Off-set angle of main boom and jib is 10°

幅度/m Radius/m	10° 安装角,副臂9m,主臂长度/m 10° Off-set angle,Jib 9m,Boom length/m										
	32	35	38	41	44	47	50	53	56	59	62
12	58	57.9	57.7	57.5	57.2						
14	54.4	54.3	54.3	54.2	54.1	53.4	52.3	38.4	38	37.5	
16	49.3	49.1	48.7	47.8	46.8	45.9	45	36.6	36.4	36	35.1
18	41.6	41.5	41.3	41.2	40.8	40	39.3	35.1	34.9	34.7	34
20	35.7	35.6	35.4	35.3	35.1	35	34.6	33.7	33.6	33	32.4
22	31.1	30.9	30.8	30.6	30.5	30.3	30.1	30.3	29.9	29.3	28.8
24	27.3	27.2	27	26.9	26.7	26.5	26.4	26.5	26.3	26.1	25.7
26	24.2	24.1	23.9	23.8	23.6	23.4	23.2	23.3	23.2	23	22.8
28	21.6	21.5	21.3	21.1	21	20.8	20.6	20.7	20.5	20.4	20.2
30	19.4	19.2	19	18.9	18.7	18.5	18.4	18.5	18.3	18.1	17.9
32	17.4	17.3	17.1	17	16.8	16.6	16.4	16.6	16.4	16.2	16
34	15.7	15.6	15.4	15.3	15.1	14.9	14.7	14.9	14.7	14.5	14.3
36	14.2	14.1	13.9	13.8	13.6	13.4	13.3	13.4	13.2	13	12.8
38	12.8	12.8	12.6	12.5	12.3	12.1	11.9	12.1	11.9	11.7	11.5
40		11.5	11.4	11.3	11.1	11	10.8	10.9	10.7	10.5	10.3
42			10.3	10.2	10	9.9	9.7	9.8	9.6	9.5	9.3
44				9.2	9.1	8.9	8.7	8.9	8.7	8.5	8.3
46				8.3	8.2	8	7.9	8	7.8	7.6	7.4
48					7.4	7.2	7.1	7.2	7	6.8	6.6
50						6.5	6.3	6.5	6.3	6.1	5.9
52							5.6	5.8	5.6	5.4	5.2
54							5	5.2	5	4.8	4.6
56								4.6	4.4	4.2	4
58									3.9	3.7	3.5
60										3.2	3
62											2.5
64											2.1

典型工况
Typical Working Conditions

A、主、副臂安装角度10°
A.Off-set angle of main boom and jib is 10°

幅度/m Radius/m	10° 安装角,副臂15m,主臂长度/m 10° Off-set angle,Jib 15m,Boom length/m									
	32	35	38	41	44	47	50	53	56	59
14	41.2	41	40.6	40.3	39.9					
16	37.9	37.6	37.4	37.2	37	36.8	36.5	27	27	26.9
18	34.9	34.8	34.6	34.5	34.4	34.3	34.2	25.6	25.7	25.7
20	32.4	32.3	32.2	32.2	32.2	32.1	32.1	24.4	24.5	24.5
22	30.1	30.1	30.1	30.2	30.2	30.2	30.2	23.3	23.4	23.4
24	27.8	27.6	27.4	27.3	27.1	26.9	26.8	22.3	22.4	22.5
26	24.6	24.5	24.3	24.1	24	23.8	23.6	21.3	21.5	21.6
28	22	21.8	21.7	21.5	21.3	21.1	20.9	20.5	20.6	20.7
30	19.8	19.6	19.4	19.2	19	18.9	18.7	18.7	18.6	18.4
32	17.8	17.6	17.5	17.3	17.1	16.9	16.7	16.8	16.6	16.4
34	16.1	16	15.8	15.6	15.4	15.2	15	15.1	14.9	14.7
36	14.6	14.5	14.3	14.1	13.9	13.7	13.5	13.6	13.4	13.2
38	13.3	13.1	12.9	12.8	12.6	12.4	12.2	12.3	12.1	11.9
40	12.1	11.9	11.7	11.6	11.4	11.2	11	11.1	10.9	10.7
42	11	10.8	10.7	10.5	10.3	10.1	9.9	10	9.8	9.6
44	10	9.9	9.7	9.5	9.3	9.2	8.9	9	8.8	8.7
46		8.9	8.8	8.6	8.4	8.3	8.1	8.2	8	7.8
48			8	7.8	7.6	7.5	7.3	7.4	7.2	7
50				7.1	6.9	6.7	6.5	6.6	6.4	6.2
52					6.2	6	5.8	5.9	5.7	5.6
54					5.5	5.4	5.2	5.3	5.1	4.9
56						4.8	4.6	4.7	4.5	4.3
58							4	4.2	4	3.8
60								3.7	3.5	3.3
62								3.2	3	2.8
64									2.5	2.4

A、主、副臂安装角度10°
A.Off-set angle of main boom and jib is 10°

幅度/m Radius/m	10° 安装角,副臂21m,主臂长度/m 10° Off-set angle,Jib 21m,Boom length/m							
	32	35	38	41	44	47	50	53
16	30	29.6	29.3	29.1	28.8			
18	27.6	27.3	27.1	27	26.8	26.7	26.5	20.2
20	25.5	25.3	25.2	25.1	25	24.9	24.9	19.1
22	23.7	23.6	23.5	23.5	23.5	23.4	23.4	18.2
24	22.1	22.1	22	22	22	22	22	17.3
26	20.7	20.7	20.7	20.7	20.8	20.8	20.8	16.5
28	19.5	19.5	19.5	19.6	19.6	19.7	19.7	15.8
30	18.4	18.4	18.5	18.5	18.6	18.7	18.8	15.1
32	17.4	17.4	17.5	17.5	17.3	17.2	17	14.5
34	16.4	16.2	16	15.8	15.6	15.4	15.2	13.9
36	14.9	14.7	14.5	14.3	14.1	13.9	13.7	13.4
38	13.5	13.4	13.1	13	12.8	12.6	12.4	12.4
40	12.3	12.2	12	11.8	11.6	11.4	11.2	11.2
42	11.3	11.1	10.9	10.7	10.5	10.3	10.1	10.1
44	10.3	10.1	9.9	9.7	9.5	9.3	9.1	9.2
46	9.4	9.2	9	8.8	8.6	8.4	8.2	8.3
48	8.5	8.4	8.2	8	7.8	7.6	7.4	7.5
50		7.6	7.4	7.3	7.1	6.9	6.7	6.7
52		6.9	6.7	6.6	6.4	6.2	6	6
54			6.1	5.9	5.7	5.5	5.3	5.4
56				5.3	5.1	4.9	4.7	4.8
58					4.6	4.4	4.2	4.3
60					4	3.9	3.7	3.8
62						3.4	3.2	3.3
64							2.7	2.8
66								2.4
68								2

典型工况
Typical Working Conditions

A、主、副臂安装角度10°
A.Off-set angle of main boom and jib is 10°

幅度/m Radius/m	10° 安装角,副臂27m,主臂长度/m 10° Off-set angle,Jib 27m,Boom length/m						
	32	35	38	41	44	47	50
16	25.7						
18	23.6	23.3	23.1	22.9	22.7	22.6	
20	21.7	21.5	21.4	21.3	21.1	21	20.9
22	20.1	20	19.9	19.8	19.7	19.7	19.6
24	18.7	18.6	18.6	18.5	18.5	18.5	18.4
26	17.5	17.4	17.4	17.4	17.4	17.4	17.4
28	16.4	16.4	16.4	16.4	16.4	16.4	16.4
30	15.4	15.4	15.4	15.4	15.5	15.5	15.5
32	14.5	14.5	14.5	14.6	14.6	14.7	14.7
34	13.7	13.7	13.8	13.8	13.9	13.9	14
36	13	13	13.1	13.1	13.2	13.3	13.3
38	12.3	12.3	12.4	12.5	12.5	12.6	12.5
40	11.7	11.7	11.8	11.9	11.7	11.5	11.3
42	11.1	11.2	11.1	10.9	10.7	10.5	10.3
44	10.5	10.3	10.1	9.9	9.7	9.5	9.3
46	9.6	9.4	9.2	9	8.8	8.6	8.4
48	8.8	8.6	8.4	8.2	8	7.8	7.6
50	8	7.8	7.6	7.5	7.2	7	6.8
52	7.3	7.2	6.9	6.8	6.5	6.3	6.1
54	6.7	6.5	6.3	6.1	5.9	5.7	5.5
56		5.9	5.7	5.5	5.3	5.1	4.9
58		5.3	5.1	5	4.8	4.6	4.3
60			4.6	4.4	4.2	4	3.8
62				4	3.8	3.6	3.3
64					3.3	3.1	2.9
66						2.7	2.5
68						2.3	2.1

A、主、副臂安装角度10°
A.Off-set angle of main boom and jib is 10°

幅度/m Radius/m	10° 安装角,副臂30m,主臂长度/m 10° Off-set angle,Jib 30m,Boom length/m					
	32	35	38	41	44	47
18	21.6	21.3	21			
20	19.9	19.7	19.5	19.3	19.2	19.1
22	18.4	18.3	18.1	18	17.9	17.8
24	17.1	17	16.9	16.8	16.8	16.7
26	16	15.9	15.8	15.8	15.8	15.7
28	15	14.9	14.9	14.8	14.8	14.8
30	14.1	14	14	14	14	14
32	13.2	13.2	13.2	13.2	13.2	13.3
34	12.5	12.5	12.5	12.5	12.5	12.6
36	11.8	11.8	11.8	11.8	11.9	11.9
38	11.2	11.2	11.2	11.2	11.3	11.4
40	10.6	10.6	10.7	10.7	10.8	10.8
42	10.1	10.1	10.1	10.2	10.3	10.3
44	9.6	9.6	9.7	9.7	9.7	9.5
46	9.1	9.2	9.2	9	8.8	8.6
48	8.7	8.6	8.4	8.2	8	7.8
50	8.1	7.9	7.7	7.5	7.3	7.1
52	7.4	7.2	7	6.8	6.6	6.4
54	6.7	6.6	6.3	6.2	5.9	5.7
56	6.1	6	5.7	5.6	5.3	5.1
58	5.6	5.4	5.2	5	4.8	4.6
60		4.9	4.7	4.5	4.3	4.1
62			4.2	4	3.8	3.6
64				3.5	3.3	3.1
66				3.1	2.9	2.7
68					2.5	2.3

典型工况
Typical Working Conditions

B、主、副臂安装角度30°
B.Off-set angle between main boom and jib is 30°

幅度/m Radius/m	30° 安装角,副臂9m,主臂长度/m 30° Off-set angle,Jib 9m,Boom length/m										
	32	35	38	41	44	47	50	53	56	59	62
14	35.8	36.3	36.8	37.2							
16	33.7	34.3	34.8	35.3	35.7	36.2	37.2	27.9	27.8		
18	31.9	32.5	33.1	33.6	34.1	34.5	35.5	27.1	27	26.9	26.7
20	30.3	31	31.6	32.1	32.6	33.1	34.1	26.3	26.2	26.2	26
22	28.9	29.6	30.2	30.8	31.2	31.1	31	25.6	25.6	25.5	25.4
24	27.7	27.7	27.6	27.5	27.3	27.2	27.1	25	24.9	24.9	24.8
26	24.6	24.5	24.4	24.3	24.1	24	23.9	24	23.8	23.7	23.6
28	21.9	21.8	21.7	21.6	21.4	21.3	21.1	21.3	21.1	21	20.8
30	19.6	19.5	19.4	19.3	19.1	19	18.8	19	18.8	18.7	18.5
32	17.6	17.5	17.4	17.3	17.1	17	16.8	17	16.8	16.7	16.5
34	15.8	15.8	15.6	15.5	15.4	15.3	15.1	15.2	15.1	14.9	14.8
36	14.3	14.2	14.1	14	13.9	13.7	13.6	13.7	13.5	13.4	13.2
38	12.8	12.8	12.7	12.6	12.5	12.4	12.2	12.4	12.2	12	11.9
40		11.5	11.5	11.4	11.3	11.1	11	11.1	11	10.8	10.6
42			10.3	10.3	10.2	10	9.9	10	9.9	9.7	9.5
44				9.3	9.1	9	8.9	9	8.9	8.7	8.6
46				8.3	8.2	8.1	8	8.1	8	7.8	7.7
48					7.3	7.3	7.1	7.3	7.2	7	6.8
50						6.5	6.3	6.5	6.4	6.2	6.1
52							5.6	5.8	5.7	5.5	5.4
54							4.9	5.2	5	4.9	4.7
56								4.5	4.4	4.3	4.1
58									3.8	3.7	3.5
60										3.2	3
62										2.7	2.5
64											2

B、主、副臂安装角度30°
B.Off-set angle between main boom and jib is 30°

幅度/m Radius/m	30° 安装角,副臂15m,主臂长度/m 30° Off-set angle,Jib 15m,Boom length/m									
	32	35	38	41	44	47	50	53	56	59
18	24.2	24.5	24.8	25.1						
20	22.8	23.2	23.5	23.8	24.4	24.6	24.9	17.9	17.9	
22	21.6	22	22.3	22.7	23.2	23.5	23.8	17.4	17.3	17.3
24	20.5	20.9	21.3	21.7	22.2	22.5	22.8	16.8	16.8	16.8
26	19.5	20	20.4	20.8	21.3	21.6	21.9	16.4	16.3	16.3
28	18.7	19.1	19.5	19.9	20.5	20.8	21.1	15.9	15.9	15.9
30	17.9	18.3	18.8	19.2	19.7	19.7	19.6	15.5	15.5	15.5
32	17.2	17.7	18.1	18	17.8	17.7	17.6	15.1	15.1	15.1
34	16.6	16.5	16.3	16.2	16.1	15.9	15.8	14.7	14.8	14.8
36	15	14.9	14.7	14.6	14.5	14.3	14.2	14.3	14.1	14
38	13.6	13.5	13.3	13.2	13.1	12.9	12.8	12.9	12.7	12.6
40	12.3	12.2	12.1	12	11.8	11.7	11.5	11.6	11.5	11.3
42	11.1	11.1	10.9	10.8	10.7	10.6	10.4	10.5	10.3	10.2
44	10	10	9.9	9.8	9.7	9.5	9.4	9.5	9.3	9.2
46		9	8.9	8.9	8.7	8.6	8.4	8.6	8.4	8.2
48			8	8	7.9	7.7	7.6	7.7	7.5	7.4
50				7.2	7	6.9	6.8	6.9	6.8	6.6
52				6.4	6.3	6.2	6	6.2	6	5.9
54					5.6	5.5	5.4	5.5	5.4	5.2
56						4.8	4.7	4.9	4.7	4.6
58							4.1	4.3	4.1	4
60							3.5	3.7	3.6	3.5
62								3.2	3.1	2.9
64									2.6	2.4
66										2

典型工况
Typical Working Conditions

B、主、副臂安装角度30°
B.Off-set angle between main boom and jib is 30°

幅度/m Radius/m	30° 安装角,副臂21m,主臂长度/m 30° Off-set angle,Jib 21m,Boom length/m							
	32	35	38	41	44	47	50	53
22	17.3	17.6	17.9	18.1	18.3			
24	16.4	16.6	17	17.2	17.4	17.6	17.5	12.5
26	15.5	15.8	16.1	16.4	16.6	16.8	16.9	12.1
28	14.7	15	15.4	15.6	15.9	16.1	16.3	11.7
30	14	14.3	14.7	15	15.2	15.4	15.7	11.4
32	13.4	13.7	14.1	14.3	14.6	14.8	15.2	11
34	12.8	13.1	13.5	13.8	14	14.3	14.6	10.7
36	12.3	12.6	13	13.2	13.5	13.8	14.1	10.4
38	11.8	12.1	12.5	12.8	13	13.3	13.3	10.2
40	11.4	11.7	12	12.3	12.3	12.2	12	9.9
42	11	11.3	11.4	11.3	11.2	11	10.9	9.7
44	10.6	10.5	10.4	10.3	10.1	10	9.8	9.5
46	9.7	9.6	9.4	9.3	9.2	9	8.9	8.9
48	8.7	8.7	8.5	8.4	8.3	8.1	8	8.1
50	7.8	7.8	7.7	7.6	7.5	7.3	7.2	7.3
52		7	6.9	6.9	6.7	6.6	6.4	6.5
54			6.2	6.1	6	5.9	5.7	5.8
56				5.5	5.4	5.2	5.1	5.2
58				4.8	4.7	4.6	4.5	4.6
60					4.1	4	3.9	4
62						3.5	3.4	3.5
64							2.8	3
66							2.3	2.5
68								2

B、主、副臂安装角度30°
B.Off-set angle between main boom and jib is 30°

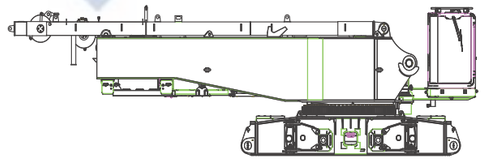
幅度/m Radius/m	30° 安装角,副臂27m,主臂长度/m 30° Off-set angle,Jib 27m,Boom length/m						
	32	35	38	41	44	47	50
24	14.3						
26	13.4	13.7	13.9	14	14	13.8	
28	12.7	13	13.2	13.3	13.4	13.2	13.1
30	12	12.3	12.5	12.7	12.9	12.7	12.6
32	11.4	11.7	11.9	12.1	12.4	12.3	12.1
34	10.8	11.1	11.3	11.5	11.8	11.8	11.7
36	10.3	10.6	10.8	11	11.3	11.4	11.3
38	9.8	10.1	10.4	10.6	10.8	11	11
40	9.4	9.7	9.9	10.1	10.4	10.6	10.6
42	9	9.3	9.5	9.7	10	10.2	10.3
44	8.6	8.9	9.2	9.4	9.6	9.8	10
46	8.3	8.6	8.8	9	9.3	9.5	9.3
48	8	8.3	8.5	8.7	8.7	8.6	8.4
50	7.7	8	8.2	8.1	7.9	7.8	7.6
52	7.5	7.6	7.4	7.3	7.1	7	6.8
54	6.9	6.8	6.7	6.6	6.4	6.3	6.1
56	6.2	6.2	6	5.9	5.8	5.6	5.5
58		5.5	5.4	5.3	5.2	5	4.9
60			4.8	4.7	4.6	4.5	4.3
62				4.1	4	3.9	3.8
64				3.6	3.5	3.4	3.2
66					3	2.9	2.8
68						2.4	2.3

典型工况
Typical Working Conditions

B、主、副臂安装角度30°
B.Off-set angle between main boom and jib is 30°

幅度/m Radius/m	30° 安装角,副臂30m,主臂长度/m 30° Off-set angle,Jib 30m,Boom length/m					
	32	35	38	41	44	47
26	12.3					
28	11.6	11.7	11.9	12.1	12	11.9
30	10.9	11.1	11.2	11.5	11.5	11.4
32	10.3	10.5	10.7	10.9	11.1	11
34	9.8	10	10.1	10.4	10.5	10.6
36	9.3	9.5	9.7	9.9	10.1	10.2
38	8.8	9	9.2	9.5	9.6	9.8
40	8.4	8.6	8.8	9	9.2	9.4
42	8	8.2	8.4	8.7	8.8	9
44	7.7	7.9	8.1	8.3	8.5	8.7
46	7.3	7.5	7.7	8	8.2	8.3
48	7	7.2	7.4	7.7	7.8	8
50	6.8	7	7.2	7.4	7.6	7.7
52	6.5	6.7	6.9	7.1	7.3	7.1
54	6.3	6.5	6.7	6.7	6.6	6.4
56	6.1	6.3	6.2	6.1	5.9	5.8
58	5.7	5.7	5.6	5.5	5.3	5.2
60		5.1	5	4.9	4.7	4.6
62		4.4	4.4	4.3	4.2	4
64			3.8	3.8	3.6	3.5
66				3.2	3.1	3
68					2.6	2.5
70					2.1	2.1

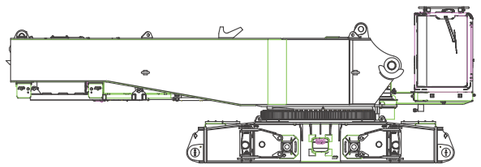
主要部件运输参数
Transport parameters of main components



主机运输方案A
Basic machine transport plan A ×1

L	12.60 m
W	3.00 m
H	3.30 m
W	34.6 t

包括主变幅卷扬及钢丝绳、操纵室、桅杆及滑轮组等，不包括转台配重自拆装、塔臂单滑轮卷扬等选配装置
IWith main luffing winch and wire rope, cab, mast and sheave block, etc., without turntable counterweight self- assembly and disassembly device, tower jib single top winch and etc.



主机运输方案B
Basic machine transport plan B ×1

L	10.7 m
W	3.00 m
H	3.30 m
W	29.7 t

不包括主变幅卷扬及钢丝绳、桅杆、变幅滑轮组及转台配重自拆装和塔臂单滑轮卷扬等选配装置
Without main luffing winch and wire rope, mast, luffing sheave block, turntable counterweight self- assembly and disassembly device, tower jib single top winch and other optional devices etc.

桅杆单独运输部件（选配）
Mast separate transport parts (optional) ×1

L	9.92 m
W	1.72 m
H	1.28 m
W	4.9 t

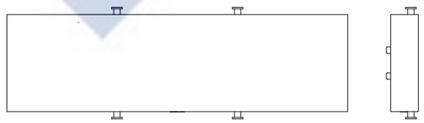
包括主变幅卷扬及钢丝绳、桅杆、变幅滑轮组及部分主臂拉板，不随主机运输时使用
Include main luffing winch and wire rope, mast, luffing sheave block and some boom pendants, this is used when it is not transported with basic machine

左履带梁
Left track frame ×1

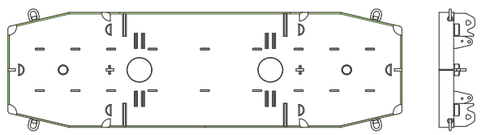
L	8.48 m
W	1.38 m
H	1.39 m
W	17.8 t

主要部件运输参数
Transport parameters of main components

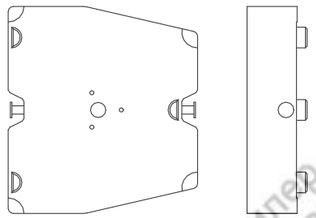
右履带梁 Right track frame	×1
L	8.48 m
W	1.38 m
H	1.39 m
W	17.8 t



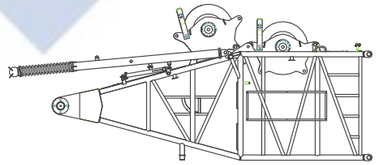
车身配重块 Car–body counterweight block	×2
L	4.7 m
W	1.14 m
H	0.48 m
W	6 t



转台配重托盘 Turntable counterweight tray	×1
L	6.74 m
W	2.00 m
H	0.61 m
W	15.0 t

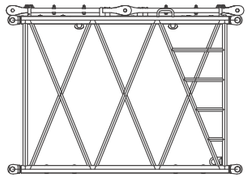


转台配重块 Turntable counterweight block	×10
L	1.80 m
W	2.00 m
H	0.57 m
W	5.0 t



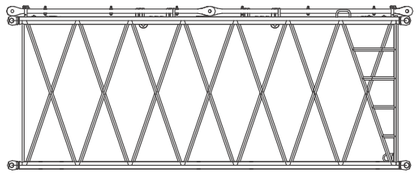
主臂底节 Boom butt	×1
L	7.08 m
W	2.96 m
H	3.03 m
W	8.98 t

包括主副起升卷扬及各卷扬所使用的丝绳、主臂拉板、塔臂拉板、防后倾装置等
Including main winch, aux. winch and wire rope, boom pendants, tower jib pendants, backstop stop device and etc.



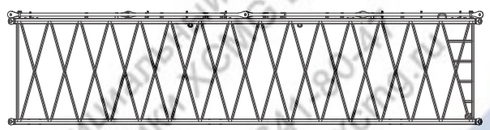
主臂3mA节 Boom insert 3mA	×1
L	3.17 m
W	2.5 m
H	2.26 m
W	0.8 t

包括主、塔臂拉板
Include boom and tower jib pendants



主臂6mA节 Boom insert 6mA	×1
L	6.17 m
W	2.5 m
H	2.26 m
W	1.35 t

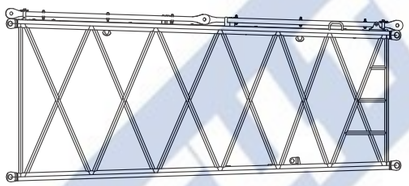
包括主、塔臂拉板
Include boom and tower jib pendants



主臂12mA节 Boom insert 12mA	×2
L	12.18 m
W	2.5 m
H	2.26 m
W	2.43 t

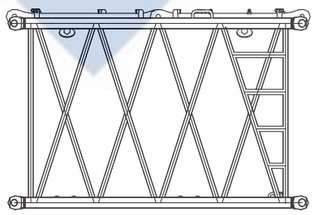
包括主、塔臂拉板
Include boom and tower jib pendants

主要部件运输参数
Transport parameters of main components



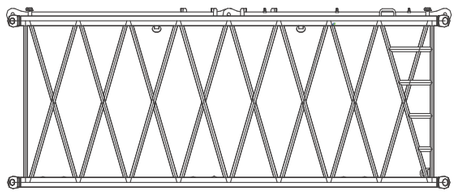
主臂6m过渡节 6m boom transition section	×1
L	6.17 m
W	2.5 m
H	2.26 m
W	1.23 t

包括主、塔臂拉板
Include boom and tower jib pendants



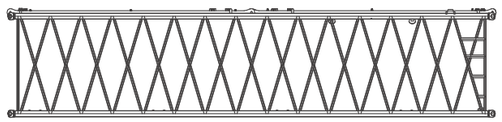
主臂3mB节 Boom insert 3mB	×1
L	3.13 m
W	2.12 m
H	1.89 m
W	0.52 t

包括主、塔臂拉板
Include boom and tower jib pendants



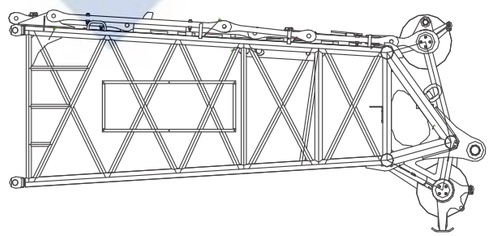
主臂6mB节 Boom insert 6mB	×1
L	6.13 m
W	2.12 m
H	1.89 m
W	0.9 t

包括主、塔臂拉板
Include boom and tower jib pendants



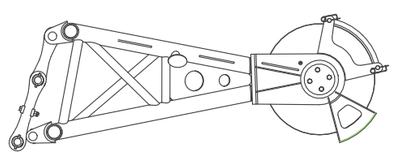
主臂12mB节 Boom insert 12mB	×2
L	12.13 m
W	2.12 m
H	1.89 m
W	1.6 t

包括主、塔臂拉板
Include boom and tower jib pendants

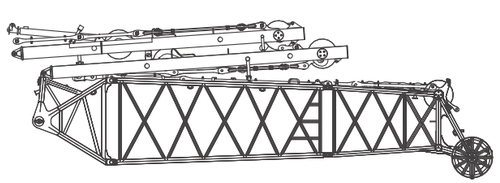


主臂顶节 Boom top	×1
L	5.58 m
W	2.2 m
H	2.47 m
W	3.0 t

包括主、副臂拉板
Include boom and tower jib pendants

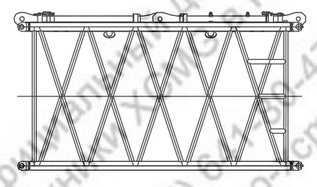


主臂臂端单滑轮 Tower jib four-piece set	×1
L	2.065 m
W	1.16 m
H	0.7 m
W	0.26 t



塔臂五件套 Tower jib four-piece set	×1
L	10.04 m
W	2.18 m
H	3.22 m
W	6.0 t

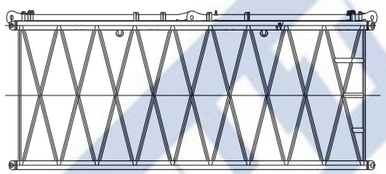
包括塔臂底节、过渡节、前支架、后支架、拉板、防后倾装置等
Include tower jib butt, transition section, front strut, rear strut, pendant, backstop device and etc.



塔臂3mC节 Tower jib 3m insert C	×1
L	3.17 m
W	1.79 m
H	1.59 m
W	0.45 t

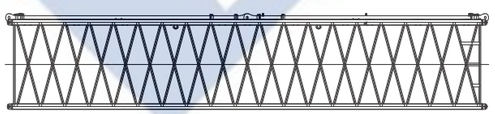
包括拉板
Include pendant

主要部件运输参数
Transport parameters of main components



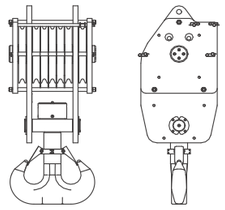
塔臂6mC节 Tower jib 6m insert C	× 1
L	6.17 m
W	1.79 m
H	1.59 m
W	0.75 t

包括拉板
Include pendant

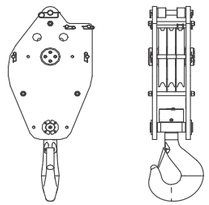


塔臂12mC节 Tower jib 12m insert C	× 1
L	12.17 m
W	1.79 m
H	1.59 m
W	1.40 t

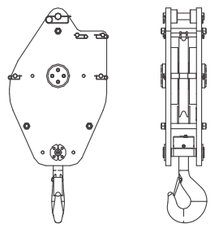
包括拉板
Include pendant



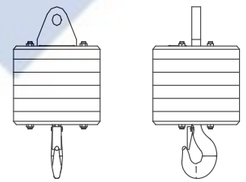
160t起重钩总成 160t hook block assy	× 1
L	0.866 m
W	0.76 m
H	2.35 m
W	2.20 t



80t起重钩总成 80t hook block assy	× 1
L	0.76 m
W	0.418 m
H	1. 998 m
W	0.96 t



32t起重钩总成 32t hook block assy	× 1
L	0.76 m
W	0.35 m
H	1.628 m
W	0.73 t



13.5t起重钩总成 13.5t hook block assy	× 1
L	0.485 m
W	0.485 m
H	0.787 m
W	0.50 t

注：
1.未列入部件包括部分卡子、小尺寸销轴、部分螺栓、小拉板或索具接头等，总重不超过3t。
2.由于产品制造过程中有些差异及技术改进不断完善，所列零部件规格及重量上将会有所不同。
3.因拉板比较容易混淆，请用户运输之前做好标记，以便区分避免混淆。

Notes:
1.The parts weight which are not listed above include some clips, small size pin shafts, bolts, several small pendants or sling connectors, and etc., total weight is not more than 3t.
2.Slight difference is ineluctable during product manufacture, and dimension and weight of some parts are variable due to continuous improvement in products.
3.Various pendants are easy confused, so before transportation, customers should make marks on corresponding pendants.