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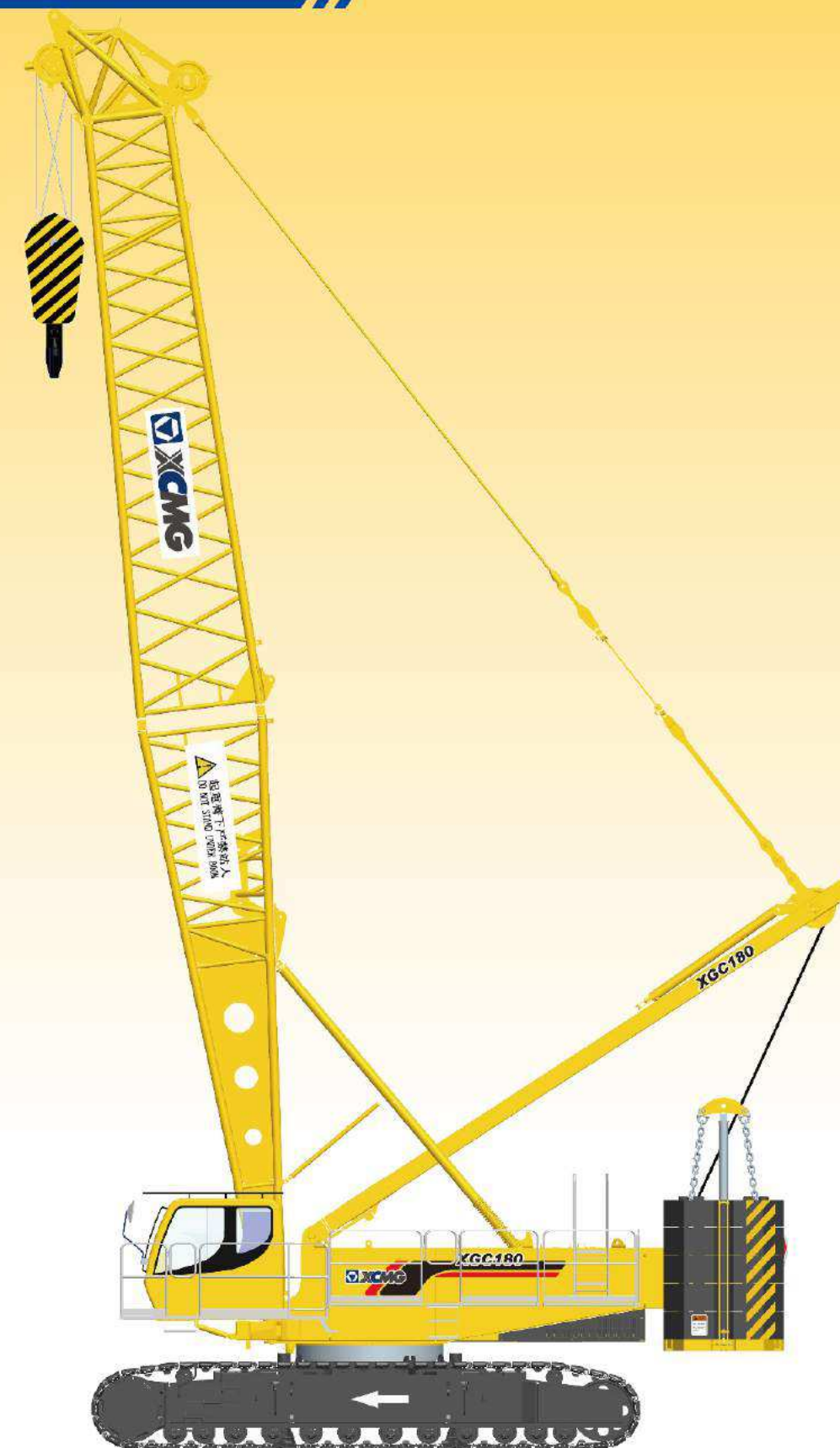
XGC180履带起重机 XGC180 CRAWLER CRANE

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 徐工集团工程机械股份有限公司
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技术性能参数/整机基本尺寸
 Technical Specification/Overall Dimension

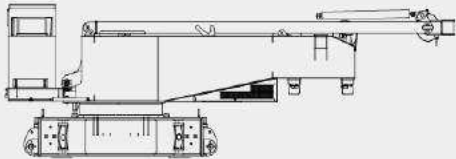
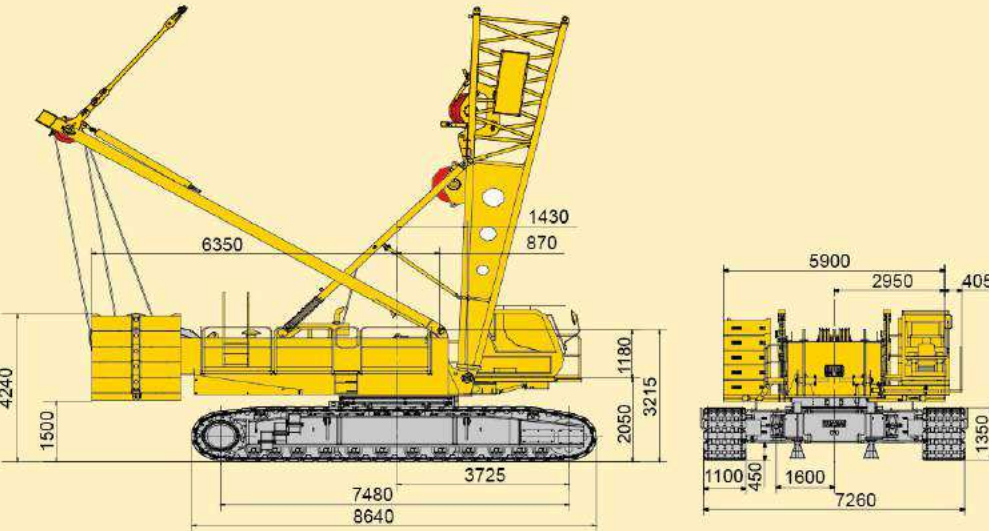
主要零部件
 Main Parts

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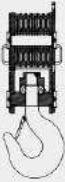
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 Luffing jib lifting load chart

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 Luffing jib length			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	242	250
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	37	
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	12.5x3.0x3.3	

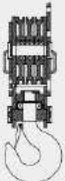
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 Pictures and data in this catalog will change with the update and modification of products,
 so please take the actual vehicle as reference.



主机 Main Unit	× 1
长L	12500mm
宽W	3000mm
高H	3300mm
重量 Weight	37t



160t吊钩 Capacity Hook Block	× 1
长L	2260mm
宽W	1080mm
高H	750mm
重量 Weight	2.175t



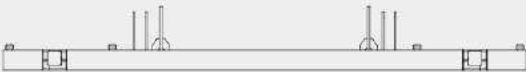
100t吊钩 Capacity Hook Block	× 1
长L	2035mm
宽W	813mm
高H	750mm
重量 Weight	1.665t



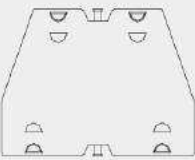
32t吊钩 Capacity Hook Block	× 1
长L	1800mm
宽W	321mm
高H	780mm
重量 Weight	0.7t



13.5t吊钩 Capacity Hook Block	× 1
长L	1166mm
宽W	637mm
高H	637mm
重量 Weight	0.5t



平衡重托盘 Counterweight Tray	× 1
长L	5800mm
宽W	1800mm
高H	571mm
重量 Weight	14t

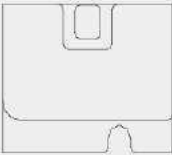
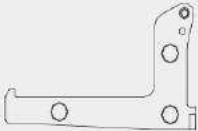
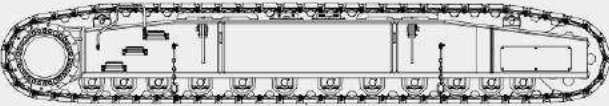
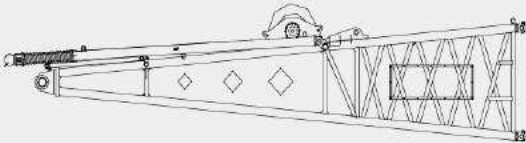
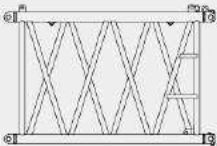
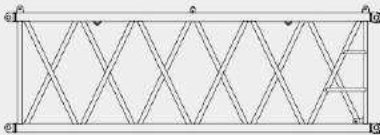
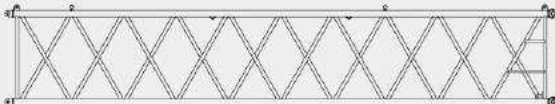
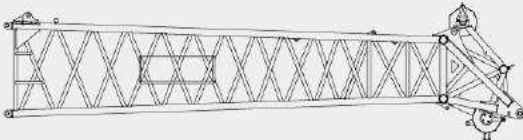


平衡重 I Counterweight I	× 8
长L	1800mm
宽W	1280mm
高H	413mm
重量 Weight	5t

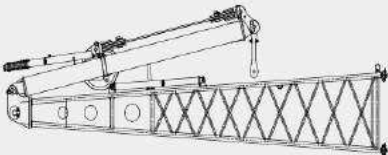
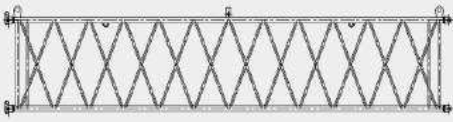
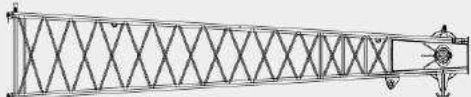
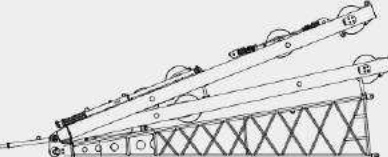
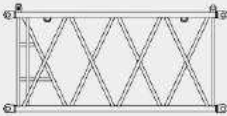
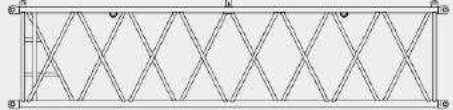
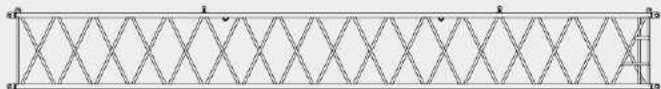
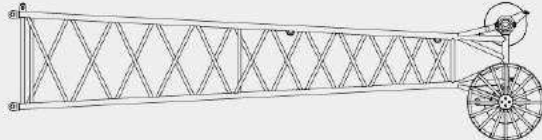


附加平衡重 Additional countweight	× 1
长L	1820mm
宽W	800mm
高H	88mm
重量 Weight	2.5t

主要零部件
Main Parts

	平衡重II Counterweight II	×2
	长L	1600mm
	宽W	1330mm
	高H	893mm
	重量 Weight	7t
	平衡重托架 Counterweight Bracket	×2
	长L	1775mm
	宽W	1575mm
	高H	915mm
	重量 Weight	0.6t
	履带架 Track Frame	×2
	长L	8250mm
	宽W	1500mm
	高H	1358mm
	重量 Weight	18.8t
	主臂底节臂 Boom Butt	×1
	长L	9779mm
	宽W	2473mm
	高H	2279mm
	重量 Weight	6.25t
	主臂3米中间节 Boom Butt	×1
	长L	3140mm
	宽W	2140mm
	高H	2060mm
	重量 Weight	0.629t
	主臂6米中间节 Boom Insert	×2
	长L	6140mm
	宽W	2140mm
	高H	2060mm
	重量 Weight	0.933t
	主臂12米中间节 Boom Insert	×4
	长L	12140mm
	宽W	2140mm
	高H	2060mm
	重量 Weight	1.711t
	主臂顶节臂 Boom Top	
	长L	10880mm
	宽W	2140mm
	高H	2774mm
	重量 Weight	3.335t

主要零部件
Main Parts

	固定副臂底节臂 Fixed Jib Butt	
	长L	6152mm
	宽W	2150mm
	高H	2025mm
	重量 Weight	1.48t
	固定副臂中间节 Fixed Jib Insert	×3
	长L	6075mm
	宽W	1333mm
	高H	1198mm
	重量 Weight	0.305t
	固定副臂顶节臂 Fixed Jib Top	
	长L	7453mm
	宽W	1265mm
	高H	1196mm
	重量 Weight	0.706t
	塔臂底节臂 Tower Jib Butt	
	长L	8571mm
	宽W	1824mm
	高H	3437mm
	重量 Weight	4.594t
	塔臂3米中间节 Tower Jib Insert	
	长L	3110mm
	宽W	1810mm
	高H	1513mm
	重量 Weight	0.294t
	塔臂6米中间节 Tower Jib Insert	
	长L	6110mm
	宽W	1810mm
	高H	1513mm
	重量 Weight	0.5t
	塔臂12米中间节 Tower Jib Insert	×3
	长L	12110mm
	宽W	1810mm
	高H	1513mm
	重量 Weight	0.923t
	塔臂顶节臂 Tower Jib Insert	
	长L	7605mm
	宽W	1790mm
	高H	1950mm
	重量 Weight	1.244t

详细介绍

Detailed Introduction

上 车

发动机
采用东风康明斯 ISLe340 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。可选配进口康明斯 QSL9 电喷发动机, 额定功率 242kW, 额定转速为 2100rpm, 最大输出扭矩 1424N·m。排放符合欧洲工程机械第三阶段排放标准。
控制系统
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。
液压系统
采用电比例控制, 开闭式回路相结合, LUDV 负荷传感控制, 可实现与负载无关的流量分配, 具有抗流量饱和功能; 发动机功率极限控制, 可自动实现功率适应, 有效避免发动机熄火。 液压系统组成: 起升系统, 变幅系统, 回转系统, 行走系统, 辅助安装系统。 特点: 主泵具有ΔP 调节功能, 可实现主系统微动控制, 起升系统、主变幅系统, 行走系统均具有高速档及微动档, 操作灵敏, 动作平稳。回转采用闭式系统, 响应快, 控制精准, 起制动、换向平稳, 无冲击。可以满足频繁换向, 微动。
起升机构
主副起升机构采用内藏式减速机, 独立驱动, 双泵合流供油, 主起升机构采用高强度螺栓安装在转台上, 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。
变幅机构
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, 变幅机构采用内藏式减速机, 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。
回转机构
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, 具有自由消转机能。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。
回转支承

采用三排滚柱式回转支承, 质量稳定可靠。

Crane Superstructure

Engine
Dongfeng Cummins ISLe340 electronic injection diesel engine, rated output 250kW, rated speed 2100rpm, max. output torque 1425N.m, emission in compliance with European Construction Machinery Stage III.Optional imported Cummins QSL9 electronic injection diesel engine, rated output 242kW, rated speed 2100rpm, max. output torque 1424N.m, emission in compliance with European Construction Machinery Stage III.
Control system
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.
Hydraulic system
Electronic proportional control,with combination of open/closed type circuit, LUDV load sense control may realize flow distribution independent of load, and have the function of anti-current quantity saturation; engine power limit control may realize automatic power suit, efficiently avoid engine shut-down. Hydraulic system composition: hoist system, luffing system, slewing system, travel system, and auxiliary assembly system. Features: Main pump has Δ P regulation function, may realize main system fine motion control; hoist system, main luffing system and travel system have high speed gear and fine motion gear for sensitive operation and smooth movement. Slewing gear is closed type system, quick response, accurate control, stable starting, braking and direction change, no impact, may satisfy operation of frequent direction change and fine motion control.
Hoist winch
Main/auxiliary winch has built-in 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.
Luffing gear
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 speed reducer, and disc type constant closed brake. Winch drum has a ratchet locking device to realize mechanical braking, safe and reliable.
Slewing gear
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 .
Slewing ring
Slewing ring is a 3-row roller type slewing bearing,with stable and reliable quality.

详细介绍

Detailed Introduction

主机平衡重
主机平衡重和中央平衡重结合, 同时增强作业稳定性和整机后倾翻稳定性。主机平衡重和中央平衡重均可进行自拆装(选配), 主机平衡重与转台的连接增加了销轴油缸, 消除了平衡重在拆装过程中的安全隐患。 主机平衡重共重60.5t, 包括: 平衡重托盘 14t/件 共1件 平衡重I 5t/件 共8件 平衡重II 2t/件 共2件 附加平衡重 2.5t 中央平衡重共重15.2t, 包括: 托架 0.6t/件 共2件 平衡重II 7t/件 共2件
操纵室
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。
转台
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。
车架
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。
履带架
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铸钢铸造而成, 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。
行走机构
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。

Counterweight
The combination of car-body counterweight and central counterweight is to increase operation stability and overall stability against backwards tilting. The car-body counterweight and central counterweight have self assembly/disassembly(optional), and a pin shaft cylinder is added for connection of car-body counterweight and turntable, eliminated the hidden danger for safety of counterweight assembly/ disassembly. Car-body counterweight is 60.5t, includes: counterweight tray 14t/piece, total 1 piece; counterweight I 5t/piece, total 8 pieces; counterweight II 2t/piece, total 2 pieces; counterweight installation attachment 2.5t; Central counterweight is 15.2t, includes: counterweight frame 0.6t/piece, total 2 pieces; counterweight II 7t/piece, total 2 pieces.
Operator's cabin
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.
Turntable
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.
Crane Carrier
Crane carrier comprises car-body, track frame, and propel unit. Car-body and track frame take insert-type connection.
Car-body
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.
Track frame
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 cylinder on mast, it is easy for track frame assembly and disassembly.
Crawler travel unit
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.

详细介绍
Detailed Introduction

应急功能

当控制器损坏时，可以使用应急开关替代手柄，将起重机操作到安全状态。主卷扬、副卷扬、主变幅、副变幅、回转等动作均支持应急操作功能。

黑匣子

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。

照明灯

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。

示高灯

安装在臂架顶部，作为高空警示。

风速仪

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。

Emergency function

When a breakdown occurs in the control system, a emergency switch may be used to replace the control to bring the machine into safety status, main/auxiliary winch, main/auxiliary luffing gear, slewing gear are supported for the emergency control function.

Black box

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

Illumination lamp

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

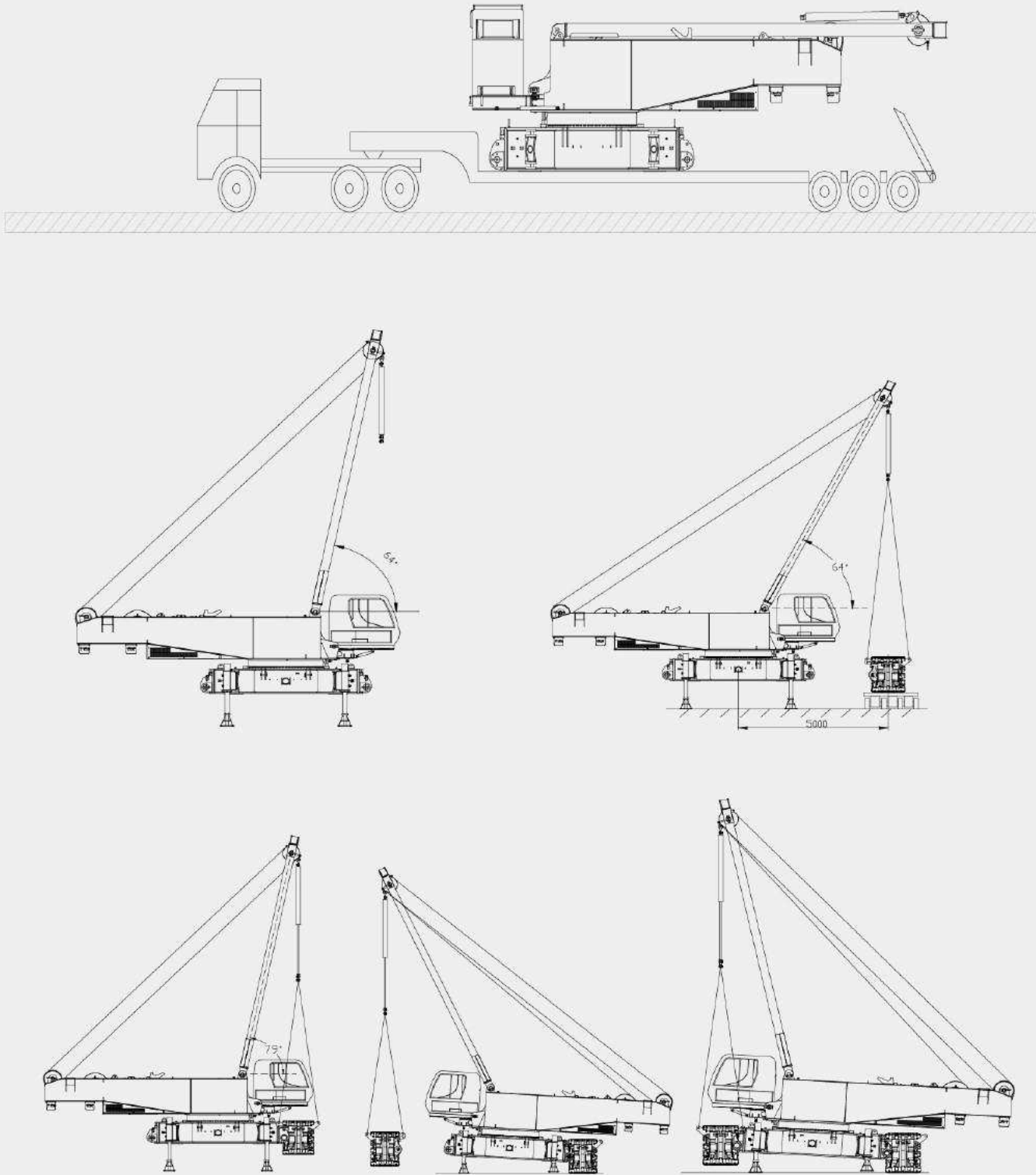
Height mark lamp

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

Anemometer

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.

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



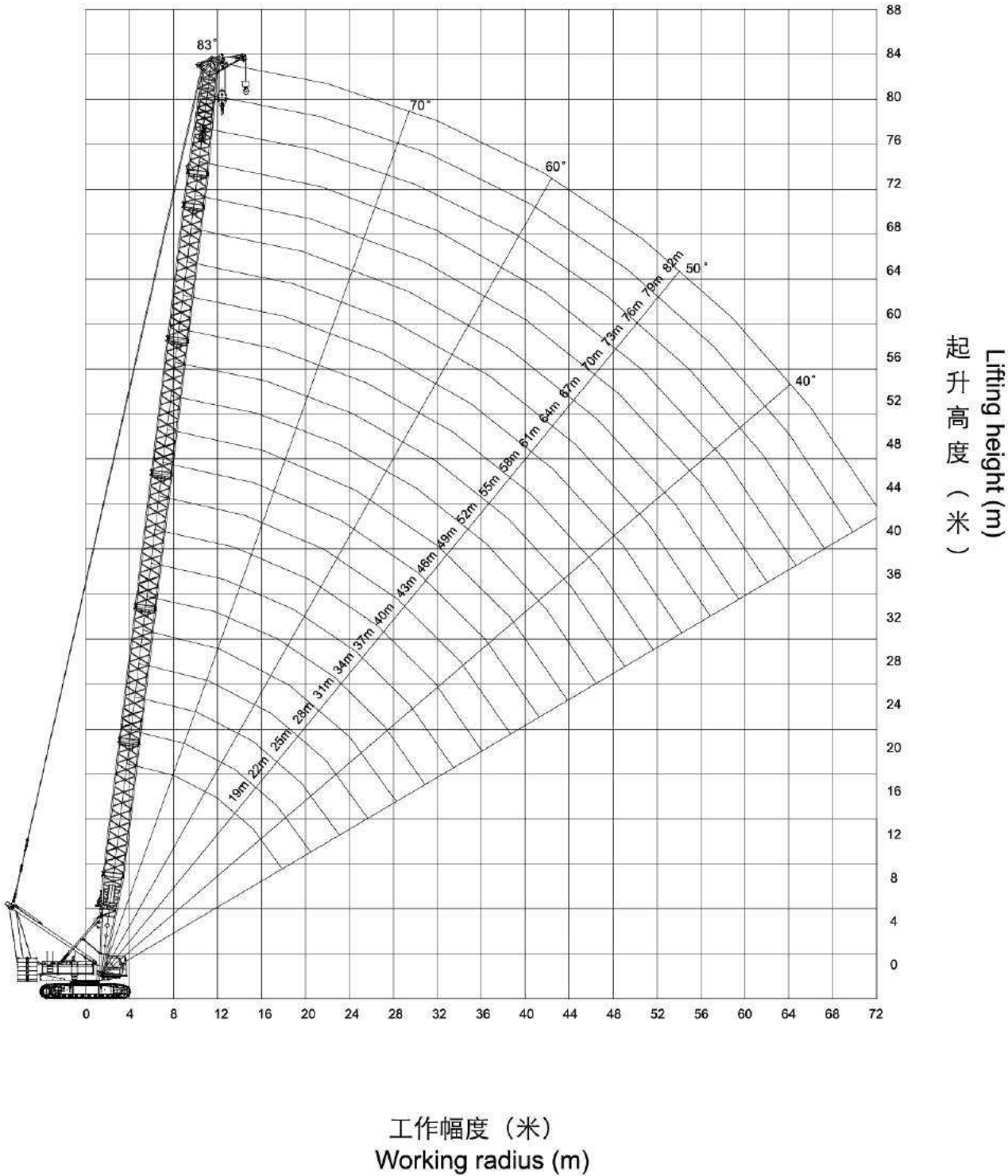
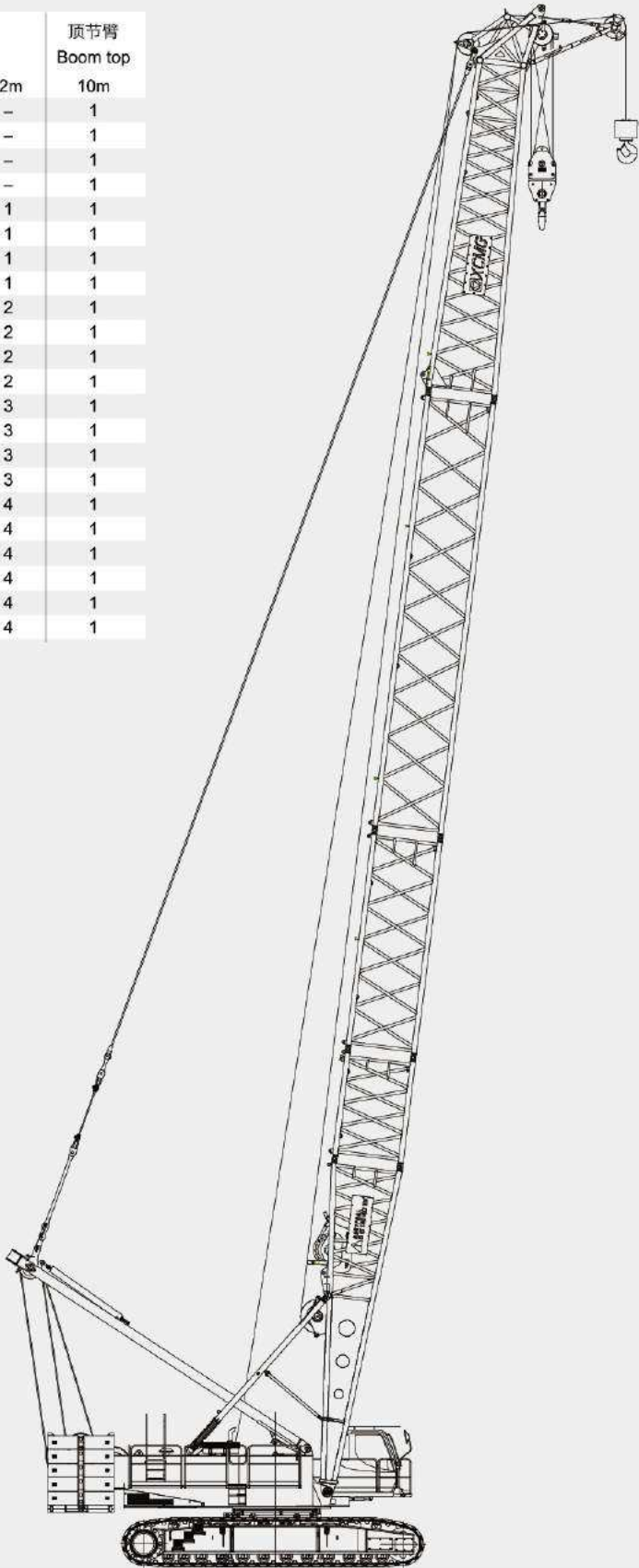
主臂臂节组合/主臂工况

Boom Combinations/Boom Working Condition

主臂作业范围

Boom Working Area

臂长 Boom length	底节臂 Boom butt	中间节臂 Boom insert			顶节臂 Boom top
(m)	9m	3m	6m	12m	10m
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



主臂工况载荷表
Boom Working Condition and 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	74.0	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)

主臂工况载荷表
Boom Working Condition and Lifting Load Chart

幅度 Radius	臂长 Boom length (m)											幅度 Radius
(m)	52	55	58	61	64	67	70	73	76	79	82	(m)
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)

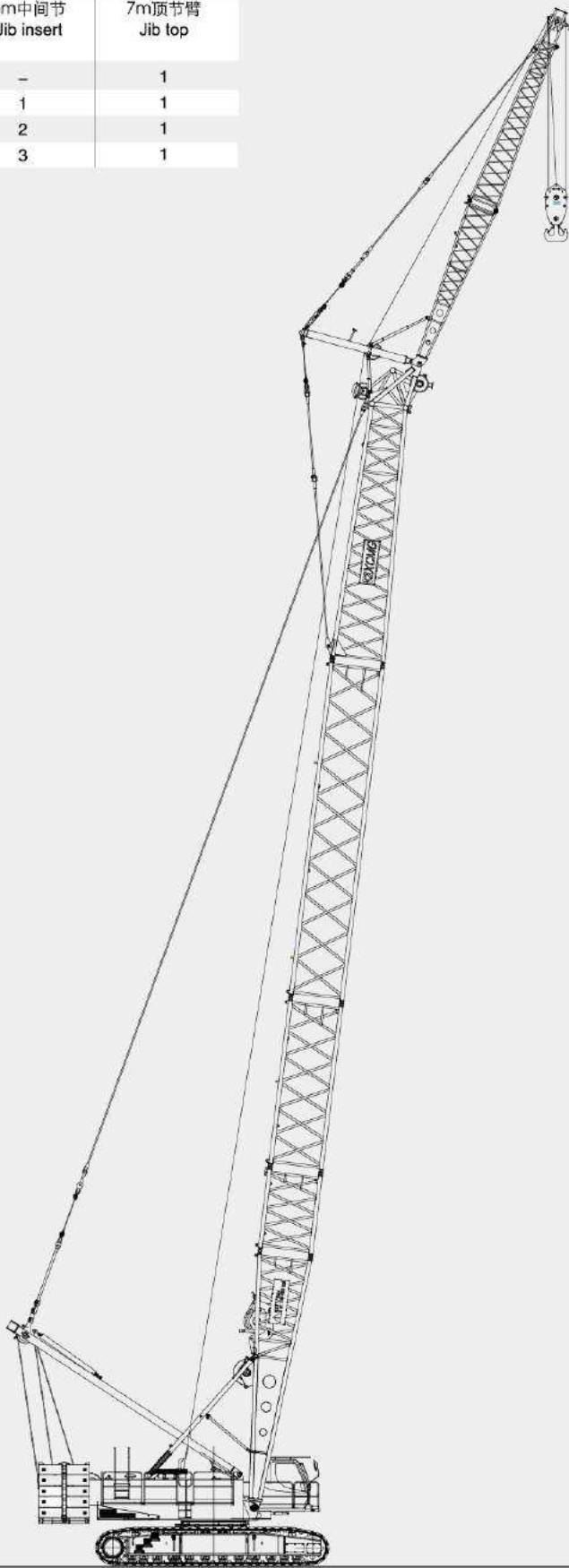
臂头单滑轮载荷表
Boom single top lifting load chart

幅度 Radius (m)	主臂 Boom (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)	主臂 Boom (m)									幅度 Radius (m)
	52.0	55.0	58.0	61.0	64.0	60.0	70.0	73.0	76.0	
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	14
16	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	18
20	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	13.5	24
26	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	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4	30
32	13.1	12.9	12.7	12.6	12.4	12.2	12.1	11.9	11.7	32
34	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.5	34
36	10.3	10.2	9.9	9.8	9.6	9.5	9.2	9.1	8.8	36
38	9.2	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.6	38
40	8.1	7.9	7.7	7.6	7.4	7.3	7.1	7.1	6.7	40
42	7.1	7.0	6.8	6.6	6.5	6.4	6.2	6.0	5.8	42
44	6.3	6.2	6.0	5.9	5.6	5.4	5.2	5.1	5.0	44
46	5.7	5.5	5.2	5.1	4.9	4.7	4.5	4.3	4.2	46
48		4.8	4.4	4.4	4.1	4.1	3.8	3.8	3.6	48
50			3.9	3.7	3.6	3.5	3.3	3.0	2.9	50
52				3.4	3.2	3.0	2.9	2.8	2.7	52
54				2.8	2.7	2.5	2.4	2.3	2.1	54
56					2.2	2.1	1.9	1.8	1.6	56

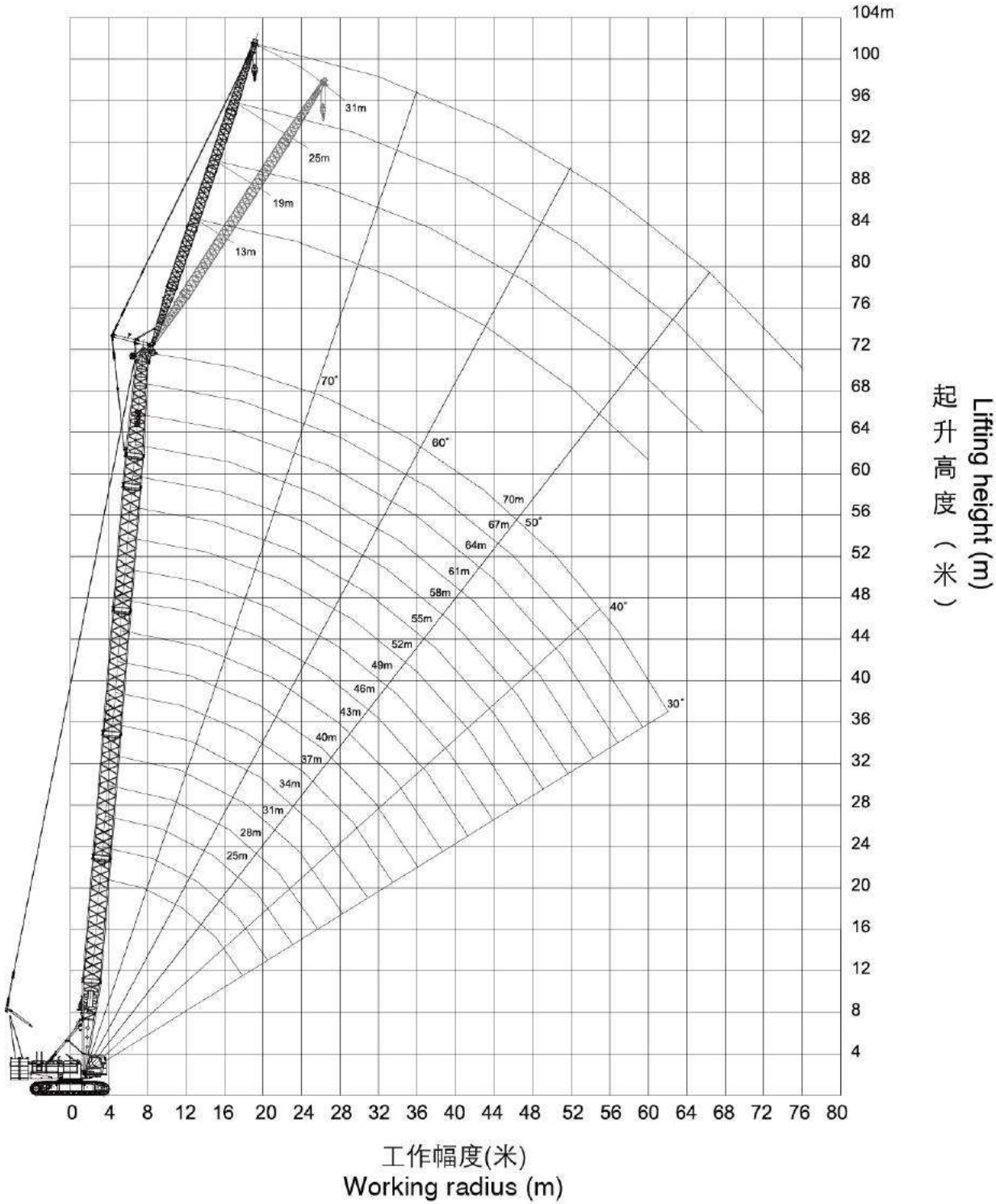
固定副臂臂节组合/副臂工况
Fixed Jib Combinations/Jib Working Condition

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



固定副臂工作范围图
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°															
	25				31				37				43			
	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31
主臂长度 Boom length (m)																
副臂长度 Jib length (m)																
幅度 Radius (m)																
9	33.5															
10	32.3				32.1											
12	30.5	22.9			30.4	22.6			30.2				29.9			
14	28.8	21.5	17.5		29.0	21.4	17.6		28.8	21.4	16.5		28.7	21.1		
16	27.3	20.1	16.4	13.0	27.6	20.3	16.6	12.8	27.6	20.4	15.6		27.6	20.2	16.4	
18	26.0	19.0	15.3	12.2	26.3	19.1	15.7	12.1	26.3	19.4	14.8	11.5	26.5	19.3	15.5	11.8
20	23.7	18.0	14.4	10.8	25.2	18.2	14.8	11.5	25.3	18.5	14.8	11.5	25.5	18.5	14.8	11.4
22	22.7	17.1	13.7	10.3	23.1	17.4	14.0	10.2	24.5	17.7	14.1	10.2	24.5	17.7	14.1	10.9
24	21.9	16.2	12.9	9.7	22.3	16.6	13.4	9.8	22.5	17.0	13.4	9.7	23.7	17.0	13.5	9.7
26	21.2	15.4	12.2	9.3	21.5	15.9	12.7	9.4	21.8	16.2	12.9	9.3	21.0	16.4	12.9	9.3
28	20.4	14.7	10.5	8.7	20.4	15.1	12.1	8.9	19.5	15.6	12.3	9.0	18.7	15.8	12.4	9.0
30	19.0	14.0	10.0	8.2	18.3	14.4	11.5	8.4	17.6	14.9	11.7	8.6	16.8	15.1	11.9	8.7
32	17.3	13.5	9.5	7.8	16.7	13.9	9.9	7.9	15.9	14.4	11.2	8.1	15.3	14.6	11.3	8.3
34	15.5	12.9	9.1	7.3	15.1	13.3	9.5	7.5	14.4	13.8	9.8	7.8	13.6	14.0	10.9	7.9
36		12.5	8.7	6.9	13.6	12.9	9.2	7.1	13.1	13.3	9.4	7.4	12.5	12.7	9.6	7.5
38		12.1	8.3	6.5	12.5	12.5	8.8	6.8	12.0	12.4	9.0	7.1	11.4	11.7	9.2	7.2
40		11.5	7.9	6.2		11.8	8.4	6.5	10.9	11.3	8.7	6.7	10.3	10.7	8.8	6.9
42			7.6	6.0		10.8	8.0	6.2	10.0	10.4	8.3	6.4	9.4	9.8	8.6	6.6
44			7.3	5.6		9.9	7.7	5.9	9.1	9.5	8.0	6.2	8.7	8.9	8.2	6.3
46				5.5			7.4	5.7		8.8	7.7	5.9	7.9	8.3	7.9	6.0
48				5.3			7.2	5.4		8.1	7.4	5.6	7.3	7.6	7.6	5.8
50				5.1			7.0	5.3		7.4	7.1	5.4		7.0	7.1	5.6
52								5.1			6.9	5.2		6.3	6.6	5.4
54								5.0			6.6	5.1		5.8	6.1	5.2
56								4.9				5.0			5.6	5.0
58												4.9			5.2	4.9
60												4.7			4.8	4.8
62																4.7
64																4.4
66																4.0

固定副臂工况载荷表
Fixed Jib Lifting Load Chart

副臂角度 Jib angle (°)	15°																
主臂长度 Boom length (m)	49				55				61				67			70	
副臂长度 Jib length (m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	13	19
幅度 Radius (m)																	
12	29.5				29.1												
14	28.3	20.8			27.9	20.5			27.3				19.1			16.1	
16	27.4	19.9	16.1		26.9	19.7	15.8		26.5	19.4			18.9	17.0		16.0	14.3
18	26.4	19.2	15.4	11.7	26.0	19.0	15.2	11.5	25.9	18.7	15.0		18.6	16.8	14.8	15.7	14.3
20	25.4	18.4	14.7	11.2	25.2	18.2	14.5	11.1	25.0	18.1	14.4	10.9	18.1	16.7	14.2	15.5	14.1
22	24.5	17.7	14.0	10.8	24.5	17.6	14.0	10.6	23.6	17.4	13.9	10.5	17.8	16.3	13.6	15.1	13.8
24	22.8	17.0	13.5	9.6	22.0	16.9	13.4	10.3	20.8	16.9	13.3	10.1	17.4	15.9	13.2	14.7	13.5
26	20.2	16.4	12.9	9.2	19.4	16.3	12.9	9.2	18.6	16.3	12.8	9.1	16.9	15.6	12.7	14.3	13.1
28	18.0	15.9	12.4	9.0	17.4	15.8	12.4	8.9	16.6	15.8	12.3	8.8	15.7	15.2	12.3	13.9	12.7
30	16.2	15.3	12.0	8.6	15.5	15.3	11.9	8.6	14.8	15.0	11.9	8.5	14.1	14.3	11.9	13.5	12.5
32	14.5	14.7	11.5	8.4	14.0	14.3	11.6	8.3	13.3	13.6	11.5	8.3	12.6	12.8	11.4	12.3	12.1
34	13.1	13.5	11.1	8.0	12.6	12.8	11.1	8.0	12.0	12.3	11.1	8.1	11.4	11.7	11.1	11.1	11.2
36	12.0	12.2	10.6	7.7	11.3	11.7	10.7	7.7	10.9	11.1	10.8	7.8	10.3	10.6	10.6	10.0	10.3
38	10.9	11.1	9.3	7.4	10.3	10.7	10.4	7.4	9.7	10.1	10.3	7.5	9.3	9.5	9.7	9.0	9.2
40	9.8	10.2	9.0	7.0	9.3	9.6	9.9	7.1	8.9	9.1	9.3	7.2	8.3	8.5	8.9	8.1	8.3
42	9.0	9.4	8.6	6.7	8.4	8.8	8.8	6.8	8.0	8.3	8.5	6.9	7.6	7.8	7.9	7.3	7.6
44	8.2	8.5	8.4	6.5	7.8	8.0	8.2	6.6	7.3	7.5	7.7	6.7	6.8	7.2	7.4	6.6	6.9
46	7.5	7.9	8.1	6.2	7.1	7.4	7.6	6.4	6.6	6.9	7.1	6.4	6.2	6.4	6.6	5.9	6.3
48	6.8	7.2	7.4	5.9	6.5	6.7	6.9	6.1	6.0	6.2	6.5	6.2	5.7	5.9	6.0	5.4	5.7
50	6.3	6.5	6.8	5.8	6.0	6.2	6.3	5.9	5.5	5.7	6.0	6.0	5.0	5.3	5.5	5.0	5.2
52	5.8	6.0	6.3	5.6	5.5	5.7	5.8	5.7	5.0	5.2	5.3	5.6	4.6	4.8	5.1	4.6	4.8
54	5.2	5.5	5.8	5.4	5.0	5.2	5.3	5.4	4.6	4.8	5.0	5.1	4.3	4.6	4.6	4.1	4.4
56		5.2	5.3	5.2	4.5	4.8	5.0	5.1	4.3	4.4	4.6	4.6	3.9	4.1	4.2	3.7	3.9
58		4.7	4.9	5.0	4.2	4.5	4.6	4.7	3.8	4.0	4.2	4.4	3.5	3.8	3.9	3.4	3.6
60		4.4	4.5	4.8		4.0	4.2	4.3	3.5	3.7	3.8	4.1	3.1	3.3	3.6	2.9	3.2
62			4.2	4.3		3.7	3.9	4.0	3.2	3.4	3.5	3.6	2.8	3.0	3.3	2.6	2.9
64			3.9	4.0		3.3	3.6	3.7	2.8	3.1	3.2	3.3	2.5	2.7	2.8	2.3	2.6
66				3.6			3.3	3.4		2.8	2.9	3.0	2.2	2.4	2.7	2.1	2.3
68				3.5			3.0	3.1		2.5	2.6	2.9	2.0	2.1	2.4		2.1
70				3.2			2.7	2.9			2.4	2.6		2.0	2.1		
72								2.6			2.1	2.3			2.0		
74								2.3			2.0	2.1					

固定副臂工况载荷表
Fixed Jib Lifting Load Chart

副臂角度 Jib angle (°)	30°															
主臂长度 Boom length (m)	25				31				37				43			
副臂长度 Jib length (m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	31
幅度 Radius (m)																
12	25.1															
14	24.2				23.8				23.5				23.2			
16	23.2	17.6			23.0	17.3			22.8				22.4			
18	22.5	16.7			22.3	16.6			22.0	16.4			21.8	16.2		
20	21.8	16.0	12.7		21.7	15.8	12.8		21.5	15.8	12.5		21.3	15.7		
22	20.7	15.2	11.0		21.2	15.2	12.0		21.0	15.3	12.0		20.8	15.2	11.9	
24	19.9	14.5	10.5	8.6	20.1	14.7	10.6	8.5	20.5	14.8	10.5	8.5	20.4	14.7	11.3	8.3
26	18.7	13.4	10.1	8.1	19.3	13.8	10.1	8.1	19.6	14.1	10.1	8.1	20.0	14.1	10.0	7.9
28	17.9	12.6	9.6	7.7	18.5	13.0	9.8	7.8	18.8	13.4	9.7	7.7	19.4	13.3	9.7	7.7
30	17.1	12.1	9.2	7.4	17.8	12.6	9.4	7.4	18.0	13.0	9.5	7.4	17.6	13.0	9.3	7.4
32	16.7	11.8	8.8	7.0	17.0	11.8	9.1	7.1	16.6	12.2	9.1	7.1	16.0	12.6	9.1	7.1
34	15.8	11.7	8.5	6.7	15.7	11.5	8.7	6.7	15.1	11.5	8.8	6.8	14.4	11.9	8.8	6.8
36		11.3	8.2	6.5	14.2	11.4	8.4	6.5	13.6	11.2	8.5	6.5	13.1	11.5	8.5	6.5
38		10.5	7.9	6.2	13.1	10.9	8.0	6.3	12.6	11.1	8.3	6.3	11.9	11.1	8.2	6.3
40		10.4	7.5	6.0	11.9	10.9	7.6	6.1	11.4	11.0	8.0	6.1	11.0	10.8	8.0	6.1
42			7.1	5.8		10.5	7.3	5.9	10.5	10.6	7.8	5.9	9.9	10.6	7.8	5.9
44			6.7	5.6		10.1	7.2	5.7	9.6	10.1	7.4	5.7	9.1	9.7	7.6	5.7
46			6.6	5.4		9.7	6.8	5.5		9.4	7.0	5.6	8.3	9.0	7.2	5.6
48				5.2			6.4	5.4		8.7	6.8	5.5	7.6	8.1	7.2	5.5
50				5.0			6.4	5.2		8.0	6.6	5.3	6.9	7.6	6.8	5.4
52				5.0			6.2	5.0			6.4	5.2		6.9	6.4	5.2
54							4.8				6.2	5.1		6.3	6.4	5.1
56							4.8				6.2	4.9		5.8	6.2	4.9
58							4.6					4.7			5.8	4.9
60												4.7			5.3	4.7
62												4.5			5.0	4.5
64																4.5
66																4.4
68																4.1

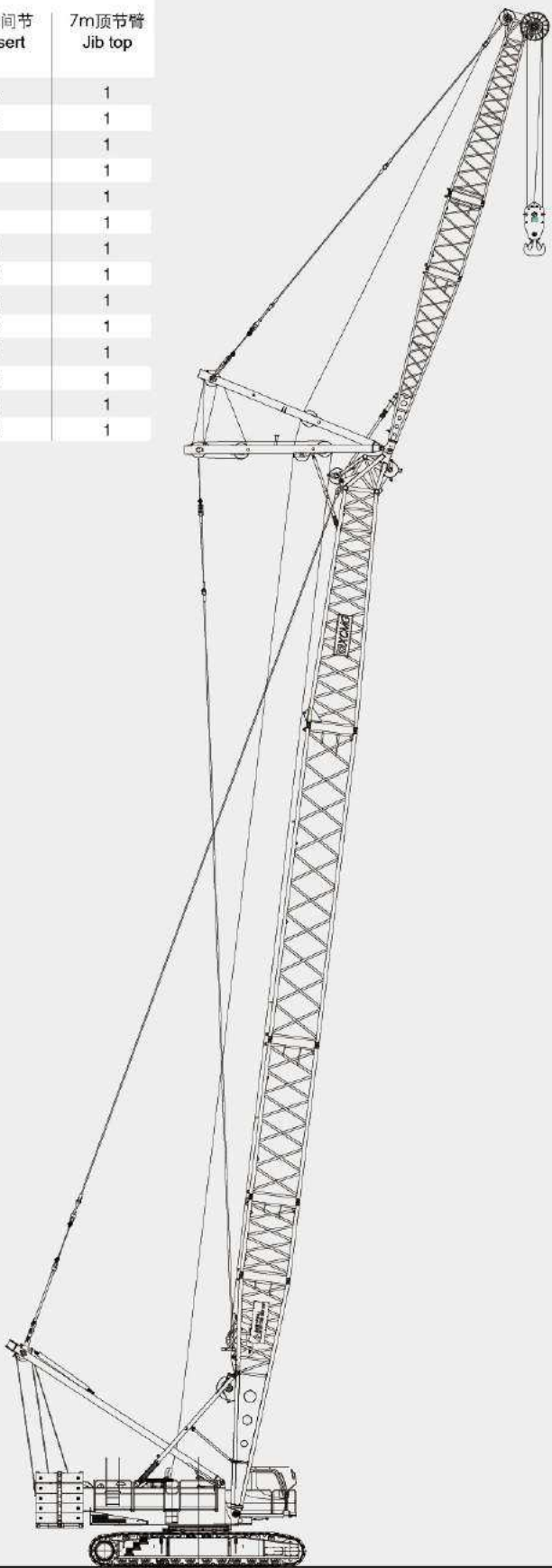
固定副臂工况载荷表
Fixed Jib Lifting Load Chart

副臂角度 Jib angle (°)	30°																
主臂长度 Boom length (m)	49				55				61				67			70	
副臂长度 Jib length (m)	13	19	25	31	13	19	25	31	13	19	25	31	13	19	25	13	19
幅度 Radius (m)																	
14	23.8																
16	22.1				21.7				21.2				16.9			14.5	
18	21.5	15.9			21.1	15.6			20.8				17.0			14.4	
20	21.0	15.4			20.6	15.2			20.4	14.9			17.0	14.6		14.4	12.3
22	20.5	14.9	11.7		20.2	14.7	11.5		19.9	14.5	11.3		16.7	14.2		14.2	12.3
24	20.2	14.5	11.3		19.8	14.3	11.1		19.5	14.1	11.0		16.5	13.8	10.7	14.0	12.3
26	19.8	14.1	9.9	7.8	19.4	14.0	10.7	7.8	19.1	13.8	10.4	7.6	16.3	13.6	10.4	13.7	12.2
28	18.9	13.7	9.6	7.5	18.3	13.6	9.5	7.4	17.6	13.4	9.4	7.4	15.9	13.2	10.1	13.4	12.1
30	17.0	12.9	9.3	7.3	16.3	13.2	9.2	7.2	15.6	12.9	9.1	7.1	15.1	12.9	9.0	13.1	11.8
32	15.4	12.6	9.1	7.1	14.7	12.6	8.9	7.0	14.1	12.6	8.8	6.9	13.4	12.6	8.8	12.9	11.6
34	13.8	12.3	8.8	6.8	13.3	12.3	8.7	6.7	12.6	12.2	8.6	6.7	12.1	12.2	8.5	11.8	11.5
36	12.6	11.5	8.6	6.5	12.1	11.9	8.5	6.5	11.5	11.9	8.5	6.5	11.0	11.7	8.3	10.7	11.3
38	11.4	11.1	8.3	6.3	10.9	11.2	8.3	6.3	10.3	11.0	8.3	6.3	9.9	10.5	8.2	9.6	10.2
40	10.5	10.8	8.1	6.1	9.9	10.6	8.0	6.1	9.5	10.0	8.1	6.1	8.9	9.5	7.9	8.6	9.3
42	9.4	10.1	7.8	5.9	9.0	9.5	7.9	5.9	8.5	9.1	7.8	5.9	8.2	8.6	7.8	7.9	8.4
44	8.8	9.2	7.6	5.7	8.3	8.8	7.7	5.8	7.7	8.4	7.6	5.8	7.3	8.0	7.6	7.1	7.7
46	7.9	8.6	7.3	5.5	7.6	8.1	7.5	5.6	7.0	7.7	7.4	5.6	6.7	7.2	7.5	6.5	6.9
48	7.2	7.7	7.3	5.4	6.9	7.4	7.3	5.5	6.4	6.9	7.3	5.4	6.0	6.5	7.0	5.8	6.3
50	6.7	7.2	7.0	5.3	6.2	6.7	7.1	5.4	5.9	6.4	6.7	5.3	5.6	5.9	6.3	5.3	5.8
52	6.0	6.5	6.6	5.2	5.7	6.2	6.5	5.2	5.4	5.9	6.2	5.2	4.9	5.4	5.9	4.9	5.2
54	5.5	6.0	6.5	5.1	5.2	5.7	6.0	5.2	5.0	5.4	5.7	5.0	4.7	4.9	5.4	4.5	4.8
56		5.5	6.0	5.0	4.9	5.2	5.5	5.1	4.5	4.9	5.2	5.0	4.2	4.5	4.9	4.0	4.4
58		5.2	5.4	4.9	4.4	4.9	5.1	4.9	4.1	4.4	4.8	4.9	3.7	4.2	4.5	3.5	4.0
60		4.7	5.0	4.8	4.1	4.4	4.7	4.8	3.6	4.1	4.4	4.8	3.4	3.7	4.2	3.2	3.7
62			4.7	4.6		4.1	4.4	4.7	3.3	3.6	4.1	4.4	3.1	3.4	3.7	2.9	3.2
64			4.3	4.6		3.7	4.0	4.4	3.0	3.3	3.6	3.9	2.8	3.1	3.4	2.6	2.9
66			4.0	4.3		3.4	3.7	4.0		3.0	3.3	3.6	2.4	2.7	3.1	2.3	2.6
68				4.0			3.4	3.7		2.7	3.0	3.3	2.1	2.4	2.7	2.0	2.3
70				3.6			3.0	3.4		2.5	2.8	3.0		2.1	2.4		
72				3.3				3.0			2.5	2.8		2.0	2.3		
74								2.7			2.2	2.5			2.0		
76								2.5			2.0	2.2					

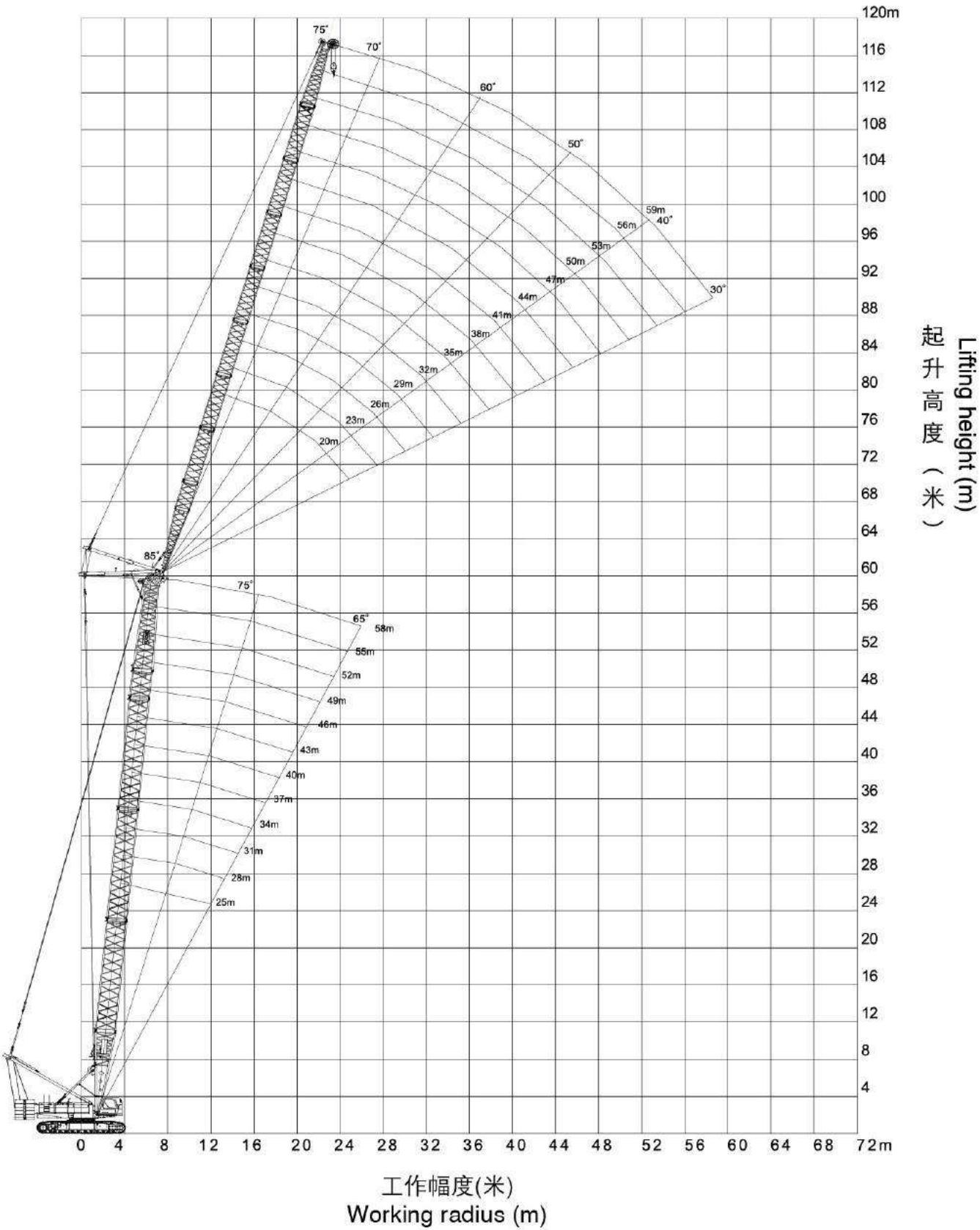
变幅副臂臂节组合
Luffing Jib Combinations

塔臂臂节组合表 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

主角度 Boom angle (°)	85°													
主臂 Boom (m)	25													
副臂 Jib (m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59
幅度 Radius (m)														
10	50.0													
12	48.3	46.0	43.9											
14	40.1	38.9	38.4	37.5	36.3	34.6								
16	33.1	32.9	32.3	31.6	31.1	30.4	30.1	29.2						
18	27.1	27.1	27.1	27.1	27.1	26.7	26.4	25.8	24.1	20.0	17.3			
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
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
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
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
28				14.1	13.9	13.9	13.9	13.9	13.8	13.1	10.4	8.9	7.3	6.2
30					12.5	12.5	12.5	12.3	12.3	12.1	9.5	8.1	6.6	5.8
32					11.2	11.2	11.1	11.1	11.0	11.0	8.9	7.3	6.1	5.4
34						10.3	10.3	10.3	9.7	9.3	8.2	6.8	5.7	4.9
36							9.6	9.1	9.0	8.5	7.6	6.2	5.4	4.6
38								8.5	8.1	7.8	7.1	5.8	5.1	4.2
40									7.5	7.1	6.6	5.5	4.7	3.9
42									6.8	6.3	6.2	5.3	4.4	3.6
44										5.9	5.7	4.9	4.1	3.4
46											5.4	4.7	3.9	3.2
48												4.5	3.7	3.0
50												4.3	3.5	2.8
52													3.3	2.6
54														2.5
配重 Counterweight (t)	61+15													

变幅副臂工况载荷表
Luffing jib lifting load chart

主角度 Boom angle (°)	85°													
主臂 Boom (m)	31													
副臂 Jib (m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59
幅度 Radius (m)														
12	48.9	46.5	44.1											
14	40.6	39.4	38.6	37.2	36.2									
16	32.7	32.7	32.4	31.7	31.2	30.6	30.2	28.7						
18	27.6	27.6	27.6	27.6	27.3	26.6	26.4	25.8	23.6	19.7				
20	23.7	23.3	23.3	23.2	23.2	23.2	23.2	21.9	21.6	18.7	16.2	14.0	12.0	
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
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
26			15.7	15.7	15.7	15.7	15.7	15.7	15.5	14.1	12.1	9.5	8.0	6.7
28				14.0	14.0	13.9	13.8	13.8	13.8	12.9	11.0	8.8	7.2	6.1
30					12.7	12.2	12.2	12.2	12.2	11.9	9.4	8.0	6.5	5.7
32					11.5	10.9	10.9	10.9	10.9	10.7	8.8	7.3	6.0	5.2
34						10.2	10.2	10.2	9.6	9.2	8.1	6.7	5.6	4.8
36							9.5	9.0	8.8	8.4	7.5	6.2	5.3	4.4
38								8.4	8.0	7.7	6.9	5.8	4.9	4.2
40								7.7	7.4	7.0	6.5	5.4	4.6	3.9
42									6.7	6.3	6.0	5.1	4.3	3.6
44										5.8	5.7	4.9	4.1	3.3
46											5.3	4.6	3.8	3.1
48											4.9	4.4	3.6	2.9
50												4.2	3.4	2.7
52													3.2	2.6
54														2.4
配重 Counterweight (t)	61+15													

变幅副臂工况载荷表
Luffing jib lifting load chart

主角度 Boom angle (°)	85°													
主臂 Boom (m)	40													
副臂 Jib (m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59
幅度 Radius (m)														
12	49.6	47.0												
14	42.1	40.1	38.6	37.2										
16	34.1	34.0	33.5	32.7	31.4	30.6	30.1							
18	28.6	28.6	28.4	27.8	27.3	26.8	26.4	25.9	22.7					
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		
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
24		17.8	17.8	17.8	17.8	17.8	17.7	17.4	17.1	15.3	13.1	11.2	8.9	7.6
26			16.2	15.8	15.8	15.8	15.7	15.6	15.3	13.9	12.0	9.4	8.0	6.7
28			14.4	13.9	13.9	13.9	13.9	13.8	13.8	12.6	10.9	8.6	7.2	5.9
30				12.6	12.5	12.3	12.5	12.3	12.0	11.8	9.3	7.8	6.5	5.5
32					11.2	11.1	11.1	11.0	10.8	10.8	8.6	7.2	5.9	5.1
34						9.8	10.3	9.8	9.8	9.1	8.0	6.6	5.5	4.8
36							9.6	8.9	8.7	8.4	7.4	6.0	5.2	4.4
38								8.2	7.9	7.6	6.8	5.6	4.8	4.0
40								7.6	7.2	6.9	6.3	5.3	4.5	3.8
42									6.7	6.2	5.9	5.1	4.2	3.5
44										5.7	5.6	4.7	3.9	3.3
46											5.3	5.0	4.5	3.8
48												4.8	4.2	3.5
50													4.0	3.2
52														2.6
54														2.4
配重 Counterweight (t)	61+15													

变幅副臂工况载荷表
Luffing jib lifting load chart

主角度 Boom angle (°)	85°													
主臂 Boom (m)	46													
副臂 Jib (m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59
幅度 Radius (m)														
12	47.1													
14	39.5	39.5	38.8	37.2										
16	33.9	33.8	33.7	32.9	32.0	30.6								
18	28.9	28.9	28.4	27.8	27.4	26.8	26.4	25.8	22.2					
20	24.1	24.1	24.1	23.9	23.9	23.6	23.2	22.7	21.4	17.8	15.3			
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
24		18.5	18.5	18.3	18.3	17.9	17.7	17.3	17.0	15.1	13.0	11.2	8.7	7.5
26		16.1	16.1	15.9	15.9	15.6	15.6	15.5	15.2	13.7	11.9	9.4	8.0	6.6
28			13.9	13.9	13.9	13.8	13.8	13.8	13.6	12.6	10.8	8.5	7.2	5.9
30				12.2	12.2	12.2	12.2	12.2	12.2	11.6	9.2	7.8	6.5	5.4
32					11.1	11.0	10.8	10.8	10.8	10.7	8.5	7.1	5.8	5.1
34						10.0	9.9	9.7	9.7	9.0	7.9	6.5	5.5	4.7
36						9.2	9.2	8.8	8.5	8.2	7.2	5.9	5.1	4.3
38							8.5	8.1	7.9	7.5	6.7	5.5	4.7	4.0
40								7.5	7.2	6.8	6.2	5.2	4.4	3.7
42									6.6	6.2	5.9	4.9	4.2	3.4
44									6.0	5.6	5.5	4.6	3.8	3.2
46										5.1	5.0	4.4	3.6	3.0
48											4.8	4.2	3.5	2.9
50												4.0	3.3	2.6
52													3.7	3.1
54														3.0
配重 Counterweight (t)	61+15													

变幅副臂工况载荷表
Luffing jib lifting load chart

主角度 Boom angle (°)	85°													
主臂 Boom (m)	52													
副臂 Jib (m)	20	23	26	29	32	35	38	41	44	47	50	53	56	59
幅度 Radius (m)														
14	30.9	30.9	30.9											
16	27.5	27.5	27.5	27.5	27.5									
18	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2						
20	23.2	23.2	23.2	23.2	23.2	23.2	23.2	22.8	20.9	17.4	15.0			
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	
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
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
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
30				12.4	12.4	12.1	12.1	12.1	12.1	11.4	9.7	7.7	6.4	5.4
32					11.0	10.9	10.9	10.9	10.7	10.6	8.4	7.1	5.8	5.0
34					9.9	9.7	9.7	9.7	9.7	9.5	7.8	6.5	5.3	4.6
36						9.0	9.0	9.0	8.5	8.1	7.1	5.9	4.9	4.3
38							8.4	8.0	7.8	7.5	6.7	5.4	4.7	3.9
40								7.4	7.1	6.8	6.2	5.1	4.4	3.6
42									6.8	6.5	6.2	5.7	4.8	4.0
44										6.0	5.6	5.4	4.6	3.9
46											5.1	5.0	4.3	3.5
48												4.6	4.1	3.4
50													4.3	3.9
52														3.7
54														3.0
配重 Counterweight (t)	61+15													

变幅副臂工况载荷表
Luffing jib lifting load chart

主臂角 Boom angle	85°							
主臂 Boom (m)	58							
副臂 Jib (m)	20	23	26	29	32	35	38	41
幅度 Radius (m)								
14	21.9	21.9						
16	20.0	20.0	20.0	20.0	20.0			
18	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
20	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
22	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
24	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
26		12.9	12.9	12.9	12.9	12.9	12.9	12.9
28			12.1	12.1	12.1	12.1	12.1	12.1
30				11.2	11.2	11.2	11.2	11.2
32				10.5	10.5	10.5	10.5	10.5
34					9.9	9.9	9.8	9.6
36						8.8	8.8	8.8
38							7.9	7.9
40							7.5	7.4
42								6.7
配重 Counterweight (t)	61+15							

工作条件及注意

- 本起重机的工作条件为：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%。
- 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。
- 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：

160t吊钩	100t吊钩	32t吊钩	13.5吊钩	臂端单滑轮
2.175吨	1.665吨	0.7吨	0.5吨	0.4吨
- 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；
- 表中起重量为带上车全配重和下车全配重的起重量；
- 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。
- 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）。

Working conditions and Cautions

- 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%.
- 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).
- 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.

160t hook block	100t hook block	32t hook block	13.5t hook block	Boom single top
2.175ton	1.665ton	0.7ton	0.5ton	0.4ton
- 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.
- The lifting load in the chart includes the lifting capacity of full counterweight on both crane superstructure and crane undercarriage.
- 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.
- 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.).