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XGC300履带起重机

XGC300 CRAWLER CRANE

徐工集团工程机械股份有限公司

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XGC300 履带起重机

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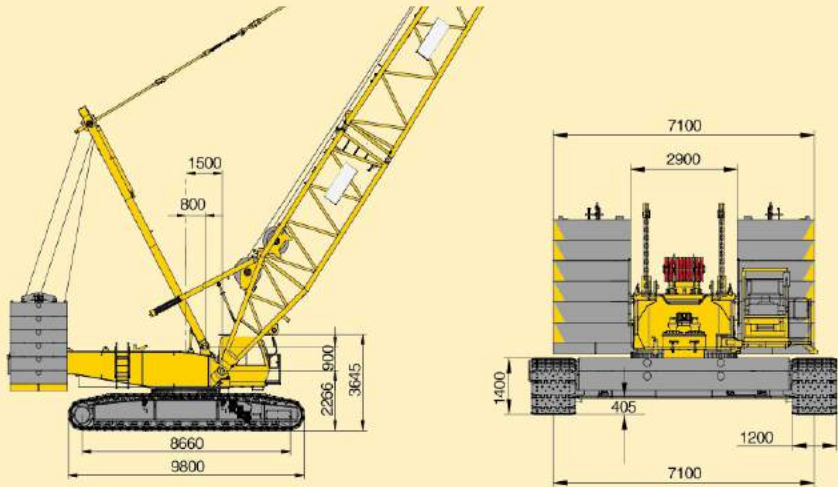
技术性能参数/整机基本尺寸
 Technical Specification/Overall Dimension

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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. lifting capacity	主臂工况 Boom	t	300	
	轻型主臂工况 Light-duty boom	t	96.5	
	塔式副臂工况 Tower jib	t	135	
	固定副臂工况 Fixed jib	t	130	
	盾构工况(双钩复合吊装) TBM (with auxiliary hook block)	t	172.2	
	主臂臂端单滑轮工况 Boom single top	t	28	
最大起重力矩 Max. load moment		t·m	1837	
尺寸参数 Max. load moment	主臂长度 Boom length	m	24~96	
	轻型主臂长度 Light-duty boom length	m	73.5~115.5	
	主臂变幅角度 Boom luffing angle	°	-3~85	
	塔式副臂长度 Tower jib lengt	m	24~66	
	塔臂变幅角度 Tower jib luffing angle	°	20~75	
	固定副臂长度 Fixed jib length	m	9、12~42	
	主臂与固定副臂夹角 Angle between boom and fixed jib	°	10、30	
	主臂臂端单滑轮长度 boom single pulley arm length	m	1.8	
速度参数 Max. load moment	起升机构最大单绳速度 Hoist winch max. single line speed	m/min	120	110
	主臂变幅机构最大单绳速度 Boom lifting winch max. single line speed	m/min	2×40	2×42.5
	塔臂变幅机构最大单绳速度 Tower jib luffing winch max. single line speed	m/min	129	117
	最大回转速度 Max. slewing speed	r/min	1.0	1.0
	最高行驶速度 Max. travel speed	km/h	1.0	1.0
发动机 Max. load moment	发动机型号 Model	-	康明斯QSM11	潍柴WP12.460N
	发动机额定功率及转速 Rated output power and speed	kW/rpm	298/1800	338/1900
	排放标准 Emission standard	-	欧 III	国 III
整机质量(基于300T起吊钩, H324, 转台配置V1)总质量 (with 300hook, H324, turntable ballast 30t)		t	276	
平均接地比压 Mean ground pressure		MPa	0.13	
爬坡能力 Grade-ability		%	30	
车身配重 Car-body counterweight		t	50	
转台平衡重 (可转塔, 可独立使用/分卸重量数据表) Turntable counterweight(option, with independent load chart)		t	90、110、130三种选一	
运输状态单件最大质量 Max. mass of single unit in transport state		t	45 (若拆解可小于37)	
运输状态单件(转台)最大尺寸 (长×宽×高) Max. dimension of single unit (turntable) in transport state (L×W×H)		m	13.5×3.0×3.3	

注: 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, 会体载荷与操作条件不同而变化。
 2.行走速度与回转速度是基于水平光滑坚实地面, 机重276t的理论计算值。
 3.除特别说明, 此表基于转台配重130t、车身配重50t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。

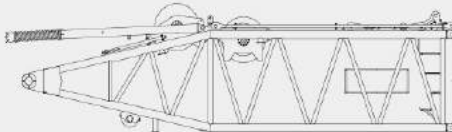
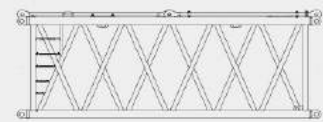
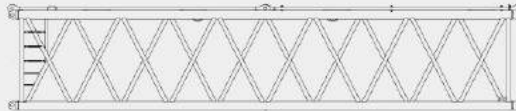
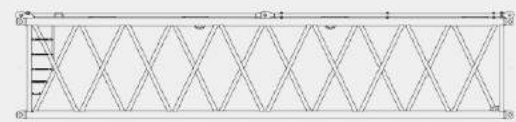
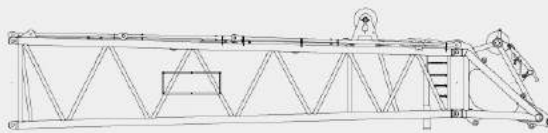


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 Pictures and data in this catalog will change with the update and modification of products,
 so please take the actual vehicle as reference.

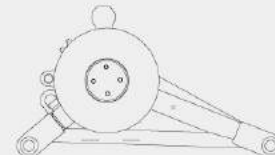
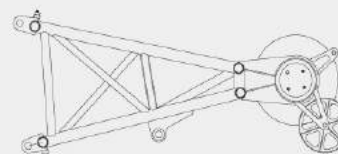
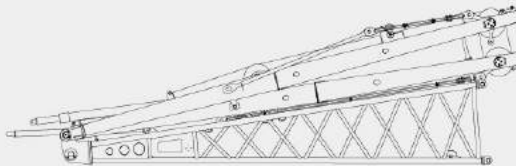
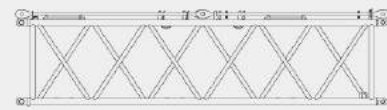
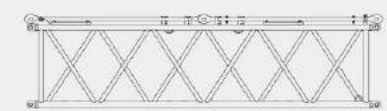
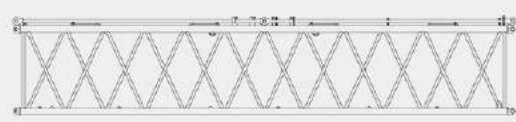
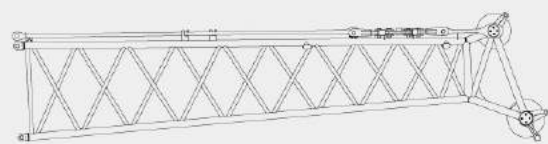
主要零部件
 Main Parts

	主机运输方案A Basic machine transport plan I ×1 长L 13.50m 宽W 3.00m 高H 3.25m 重量Weight 45.00t
	主机运输方案B Basic machine transport plan II ×1 长L 11.50m 宽W 3.00m 高H 3.25m 重量Weight 37.00t
	桅杆单独运输部件 Mast transport parts ×1 长L 10.60m 宽W 2.20m 高H 1.45m 重量Weight 8.00t
	左履带梁 Left track frame ×1 长L 9.85m 宽W 1.55m 高H 1.40m 重量Weight 22.50t
	右履带梁 Right track frame ×1 长L 9.85m 宽W 1.55m 高H 1.40m 重量Weight 22.50t
	车身配重块 I Car-body counterweight I ×2 长L 5.80m 宽W 1.64m 高H 0.59m 重量Weight 15.00t
	车身配重块 II Car-body counterweight II ×2 长L 5.80m 宽W 1.64m 高H 0.43m 重量Weight 10.00t

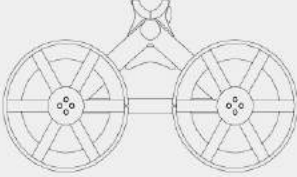
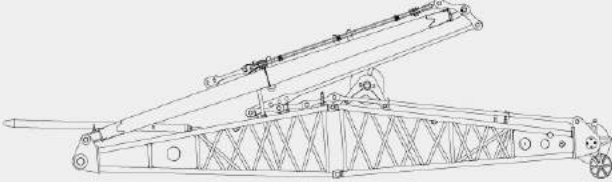
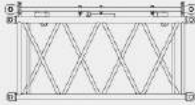
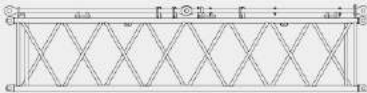
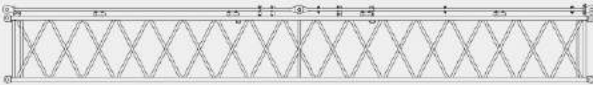
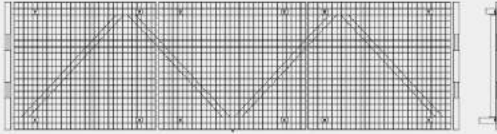
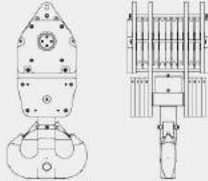
主要零部件
Main Parts

	转台配重托盘 Turntable counterweight tray ×1
	长L 7.10m
	宽W 2.80m
	高H 0.57m
	重量Weight 10.00t
	转台配重块 Turntable counterweight ×12
	长L 2.10m
	宽W 2.38m
	高H 0.58m
	重量Weight 10.00t
	主臂底节 Boom base ×1
	长L 12.25m
	宽W 3.00m
	高H 3.05m
	重量Weight 15.50t
	主臂6m节 Boom 6m insert ×2
	长L 6.21m
	宽W 3.00m
	高H 2.55m
	重量Weight 2.50t
	主臂12mA节 Boom 12mA insert ×3
	长L 12.21m
	宽W 3.00m
	高H 2.55m
	重量Weight 4.30t
	主臂12mB节 Boom 12mB insert ×2
	长L 12.21m
	宽W 3.00m
	高H 2.55m
	重量Weight 3.60t
	主臂变径节及连接节 Boom tapered section and connection section ×1
	长L 14.75m
	宽W 3.00m
	高H 3.20m
	重量Weight 8.10t

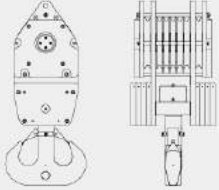
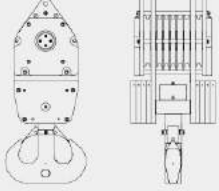
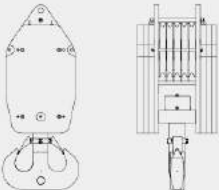
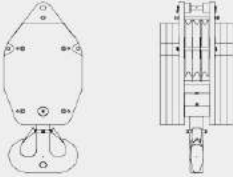
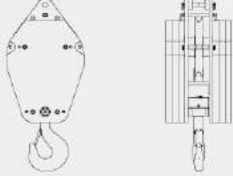
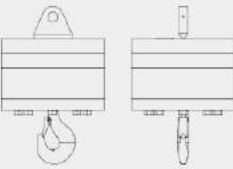
主要零部件
Main Parts

	主臂滑轮组 Boom sheave block ×1
	长L 1.70m
	宽W 1.50m
	高H 0.96m
	重量Weight 1.30t
	主臂臂端单滑轮 Boom single top ×1
	长L 2.40m
	宽W 1.20m
	高H 1.05m
	重量Weight 0.40t
	塔臂三件套 Tower jib 3-part assembly ×1
	长L 11.35m
	宽W 2.65m
	高H 3.30m
	重量Weight 8.80t
	塔臂6mA节 Tower jib 6mA insert ×1
	长L 6.21m
	宽W 2.15m
	高H 1.95m
	重量Weight 1.50t
	塔臂6mB节 Tower jib 6mB insert ×1
	长L 6.21m
	宽W 2.15m
	高H 1.95m
	重量Weight 1.35t
	塔臂12m节 Tower jib 12m insert ×3
	长L 12.21m
	宽W 2.15m
	高H 1.95m
	重量Weight 2.50t
	塔臂顶节 Tower jib top ×1
	长L 9.60m
	宽W 2.15m
	高H 2.25m
	重量Weight 3.00t

主要零部件
Main Parts

	起臂小车 Boom trolley	×1
	长L	1.25m
	宽W	1.15m
	高H	0.70m
	重量Weight	0.20t
	固定副臂基本臂(9m) Fixed jib base	×1
	长L	11.00m
	宽W	2.60m
	高H	3.00m
	重量Weight	4.50t
	固定副臂3m节 Fixed jib 3m insert	×1
	长L	3.21m
	宽W	1.55m
	高H	1.45m
	重量Weight	0.60t
	固定副臂6m节 Fixed jib 6m insert	×1
	长L	6.21m
	宽W	1.55m
	高H	1.45m
	重量Weight	0.95t
	固定副臂12m节 Fixed jib 12m insert	×2
	长L	12.21m
	宽W	1.55m
	高H	1.45m
	重量Weight	1.80t
	下车走台 Undercarriage catwalk	×2
	长L	3.84m
	宽W	1.00m
	高H	0.29m
	重量Weight	0.15t
	300t吊钩 (选配) Hook block(Optional)	×1
	长L	1.19m
	宽W	1.23m
	高H	2.53m
	重量Weight	5.50t

主要零部件
Main Parts

	260t吊钩 Hook block	×1
	长L	1.07m
	宽W	1.07m
	高H	2.35m
	重量Weight	4.60t
	200t吊钩 (选配) Hook block(Optional)	×1
	长L	0.95m
	宽W	0.99m
	高H	2.25m
	重量Weight	4.20t
	160t吊钩 (选配) Hook block(Optional)	×1
	长L	0.85m
	宽W	0.87m
	高H	2.12m
	重量Weight	3.90t
	100t吊钩 Hook block	×1
	长L	0.76m
	宽W	0.71m
	高H	1.90m
	重量Weight	3.10t
	50t吊钩 (选配) Hook block(Optional)	×1
	长L	0.76m
	宽W	0.64m
	高H	1.85m
	重量Weight	2.50t
	16t吊钩 Hook block	×1
	长L	0.60m
	宽W	0.60m
	高H	0.87m
	重量Weight	0.90t

说 明 Notes

- 以上零部件运输形状为示意图，所标尺寸为设计值，不包括包装。
The above parts dimension is only for illustration, the dimension shown is design value, and does not include the package.
- 重量为设计值，由于制造误差，可能稍有不同。
The weight is design value, may have slight difference due to error in manufacture.

详细介绍

Detailed Introduction



上 车

发动机
XGC300采用康明斯QSM11_298kW/1800rpm或潍柴WP12.460N_338 kW/1900rpm，直列六缸、水冷却、增压中冷、电喷、环保型柴油发动机，符合欧Ⅲ排放标准或国Ⅲ排放标准。 燃料箱容量：750L。
控制系统
智能化计算机集成式可编程控制系统，采用PLC可编程控制器，并与常规电气相结合，完成系统的逻辑控制与液压比例先导控制功能，实现起重机的智能控制，控制器、显示器、发动机和力矩限制器之间采用CAN-Bus进行数据传送，大大提高起重机的作业安全性、可靠性和作业效率。大屏幕显示起重机作业参数及发动机相关参数，可方便的实现人机对话。
液压系统
液压系统由主油路、控制油路、辅助油路组成，使用液压比例先导控制，实现与负载无关的流量分配，速度精准，系统稳定、操作灵敏，微动性好。 主起升、副起升、主臂变幅、行走等为开式液压系统，主起升、副起升具有双泵合流功能。回转采用闭式液压系统，无须平衡阀和换向阀即可实现传动平稳无冲击。 液压泵：变量柱塞泵。 主控制阀：先导液比例控制阀。 主回路控制方式：恒功率阀控系统。 辅助机构控制系统：电磁多路换向阀组。 支腿控制：电控盒操纵的电磁多路换向阀组。 回油滤油器：先导油路精密过滤器。 冷却器：液压马达驱动的铝制散热器。 支腿控制：电控盒操纵的电磁多路换向阀组。 溢流阀：有效防止整个系统或局部系统即使系统处于过载状态。 液压系统压力：35MPa。 液压油箱容积：900L。

起升机构
起升机构包括主起升机构和副起升机构，安装在主臂底节臂靠近根部的上端。 主起升、副起升机构由变量马达驱动行星齿轮减速机，通过卷筒及滑轮组实现主钩或副钩起升下降，通过双泵供油功能提高主起升、副起升机构升降速度。 主起升、副起升机构内置行星减速机，采用负制动设计多片湿式叠片式常闭制动器，实现“弹簧制动/液压释放”功能。 起升卷筒采用吸振性良好的球墨铸铁制造，双折线绳槽保证钢丝绳多层卷绕不乱绳，有效地延长了钢丝绳的使用寿命。 主起升机构使用独立钢芯、高破断拉力、高抗挤压性的左旋同向捻抗旋转特种钢丝绳，额定单绳拉力16.7t，钢丝绳直径φ28mm，长度730m。 副起升机构亦采用独立钢芯、高破断拉力、高抗挤压性的抗旋转特种钢丝绳，额定单绳拉力14.8t，钢丝绳直径φ26mm，长度450m。



Crane Superstructure

Engine
XGC300 uses Cummins QSM 11 engine, 298kW/1900rpm; or Weifang Diesel WP12.460N engine, 338kW/1900rpm; six-cylinder in line, water-cooled, turbocharged, electronic injection, diesel engine, omply with Euro III standard or China GB III standard. Fuel tank capacity: 750L.
Control System
Intelligent computer integrated programmable control system. PLC programmable controller is used, in combination with conventional electronics, to realize logic control and hydraulic proportional pilot control of the system; CAN-Bus is used for data communication in controller, display, engine and LMI, greatly improve the safety, reliabiliy and efficiency for crane operation. Crane operation data and engine data can be displayed by a larger screen, easy for man-machine interaction.
Hydraulic System
Hydraulic system consists of main circuit, control circuit, and auxiliary circuit, use of hydraulic proportional pilot control to achieve load-independent flow distribution, with accurate velocity, stable system, sensitive operation, and good fine motion Main winch, auxiliary winch, boom luffing, crane travel is the open type hydraulic system, and main winch and auxiliary winch has a double- pump combined flow function. Slewing system is closed type hydraulic system, can be realized non- vibration smooth power drive without balance valve and direction change valve. Hydraulic pump: variable piston pump; Main control valve: pilot hydraulic proportional control valve; Main circuit control mode: constant power valve control system; Auxiliary mechanism control system: solenoid multi-way valve block; Outtrigger control: solenoid multi-way valve block operated by electric control box; Return oil filter: pilot circuit precision filter; Cooler: hydraulic motor driven aluminum radiator; Overflow valve: not only effectively protect the entire system or partial system even if it is in overload condition. Hydraulic system pressure: 35MPa; Hydraulic oil tank capacity: 900L.
Winch System
Hoist winch includes main hoist winch and auxiliary hoist winch, witch are installed near boom base upper root. Main/auxiliary hoist winch consists of planetary reducer driven by variable motor, through drum and luffing pulley block to achieve main or auxiliary hook block hoisting up/down, and through double-pump oil supply to improve main or auxiliary winch hoisting speed. Main/auxiliary hoist winch has built-in planetary reducer, with negative brake design of multi-plate wet-type laminated constant closed brake, to achieve “spring braking/hydraulic release” function. Hoist winch 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. Main hoist winch adopts separate steel core, high breaking force and high anti-extrusion of L-turn special anti-rotation wire rope, rated single line pull 16.7t, rope diameter φ28mm, rope length 730m. Auxiliary hoist winch adopts separate steel core, high breaking force and high anti-extrusion of L-turn special anti-rotation wire rope, rated single line pull 14.8t, rope diameter φ26mm, rope length 450m.

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变幅机构
变幅机构包括主变幅机构和塔臂变幅机构。 主变幅机构由定量液压马达驱动行星齿轮减速机，通过卷筒及滑轮组来实现主臂变幅，通过双泵供油能够提高变幅升降速度。 主变幅机构内置行星减速机，采用负制动设计多片湿式叠片式常闭制动器，实现“弹簧制动/液压释放”功能。 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，可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。 主臂变幅机构为双马达双减速机双出绳结构的卷筒驱动，卷筒中间配有铸造棘轮，由液压油缸驱动棘爪，实现多重锁定保护。 主变幅机构采用独立钢芯、高破断拉力、结构稳定性极佳的左旋交互捻非抗旋转特种钢丝绳，额定单绳拉力2×14.8t，钢丝绳直径φ26mm，长度400m。 塔臂变幅机构与副起升机构为同一装置，通过功能切换实现塔臂变幅。

回转机构
回转机构与回转支承采用外啮合方式驱动，共2套，布置在转台前部，由定量马达驱动行星齿轮减速机通过小齿轮驱动回转支承，实现360°回转。 回转机构内置行星减速机，采用负制动设计的多片湿式叠片式常闭制动器，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，保证起重物起吊时，当起重物即使不在被吊重物的重心垂直中心线上，可以消除臂架的侧向力，进而防止作业臂因受到较大侧向力而损坏。 最高回转速度：1.0 r/min。

回转支承
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。

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20°，扩大视野，方便操作；运输时，操纵室还可以从侧方转到前方转动90°放置在转台前方，减小运输宽度。

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

Luffing Gear
Luffing winch includes main luffing winch and tower jib luffing winch. Main luffing winch consists of planetary reducer driven by constant motor, through drum and luffing pulley block to achieve boom luffing, and through double-pump oil supply to improve boom luffing speed. Main luffing winch has built-in planetary reducer, with negative brake design of multi-plate wet-type laminated constant closed brake, to achieve “spring braking/hydraulic release” function. Main luffing winch 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. Boom luffing winch is dual-motor dual-reducer dual-rope structure driven by rope drum, with a casting ratchet pawl in the middle, and driven by a hydraulic cylinder, to achieve multi-lock protection. Main luffing winch adopts separate steel core, high breaking force and high anti-extrusion of L-turn special anti-rotation wire rope, rated single line pull 2×14.8t, rope diameter φ26mm, rope length 400m. Tower jib luffing winch is the same device as the auxiliary hoist winch, through the function switch-over to achieve tower jib luffing.

Slewing Gear
Slewing unit and slewing ring is driven by external meshing of two sets gear bearings, arranged in front of turntable, through a planetary reducer driving a constant motor via pinion to drive slewing ring, so as to achieve 360° rotation. Slewing unit has a built-in planetary reducer, with negative brake design of multi-plate wet-type laminated constant closed brake, to achieve “spring braking/hydraulic release” function, to ensure a high safety brake. Slewing unit also has a mechanical locking device for locking protection of the slewing unit. Slewing unit has a free-swing function to ensure a lifting load aligned to the center line of gravity center even when lifting hook is not in the center of vertical center line, and also to eliminate the side load force on the boom, so as to prevent the boom from damage due to a large side loading force. The max. slewing speed: 1.0r/min.

Slewing Ring
Three-row roller spur internal meshed slewing ring or elliptical outer track double-row ball type slewing ring, with high strength, heavy load moment, high precision, long service life, and easy maintenance

Operator's cab
Operator's cab is steel frame structure, the front 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 crane is in work, the cab angle can be adjusted upward to 20° , to enlarge the view field; when crane is in transport, the cab can be turned 90° from side to front in order to reduce the transport width.

Turntable
Turntable is a key load bearing structure to connect superstructure and undercarriage, use of high-strength steel plate welded in “工” box-type composite box beam on both sides, through 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, superstructure counterweight and self-assembly/ disassembly jacking cylinder can be respectively connected with different parts of the turntable.

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

 下车

下车包括车架、支腿、履带行走装置和车身配重等。车架和履带行走装置之间采用液压油缸驱动的动力销轴连接；车身配重安装在左履带行走和右履带行走装置上；四个支腿及油缸安装在车架的前后两端。此外下车车架还有回转支承安装连接固定螺孔及中央回转体转接固定架，用以固定中央回转体。

车架
车架采用高强度钢板焊接并经精密机加工的箱型放射型结构件，可确保回转支承安装面与回转支承的正确安装。该型式车架整体刚性好、强度大、精度高。为便于将履带架固定在车架上，本机配有液压动力销，可保证车架上的四个垫块经销子和耳轴挂钩与履带架的精准定位。 车架附属件包括支腿(含支脚盘)及顶升油缸，通过销轴铰接于车架外侧用于起重机的装拆，以便于装配和拆卸履带架。支腿油缸通过遥控盒操控。
履带装置

履带行走装置分为左履带行走装置和右履带行走装置，由履带架、履带板、支重轮、驱动轮、导向轮、托链轮及行走机构、张紧装置等结构件组成。
履带架：左右对称，各1件，采用高强度钢板焊接的箱型结构，与车架安装定位设有平行垫铁，起导向和耐磨作用。
驱动轮：高强耐磨热处理合金铸钢件，轮径900mm，共2×1=2件。履带驱动轮组件用高强螺栓连接在行星减速机的外壳上，组成内置液压牵引马达的一部分，马达旋转部分与非旋转部分采用浮动式密封。
支重轮：高强耐磨热处理合金铸钢件，轮径360mm，共2×14=28件。支重轮采用双法兰设计，内置浮动密封，终生润滑免维护。
张紧轮：高强耐磨热处理合金铸钢件，轮径900mm，共2×1=2件。安装有润滑浮动密封铜质衬套，润滑耐磨优良。通过油压千斤顶和调整垫板种类数量，能够调节履带张紧程度，使履带保持最佳工作状态。
拖链轮：高强耐磨热处理合金铸钢件，轮径280mm，共2×2=4件。拖链轮内置浮动密封，终生润滑免维护。
履带板：履带板宽度1200mm，共2×64=128件。高强耐磨热处理合金铸钢件，内部空心带筋，自清洁。履带板之间通过浮动销实现多个履带板铰接闭合。

Undercarriage
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. Mast with mast derrick self-assembly/disassembly cylinder is used for assembly/disassembly of basic machine large structure, and self-assembly/ disassembly of boom, track frame, boom root section, and counterweight slab. Mast length 9.75m.

 Safety Devices

Undercarriage consists of car-body, outrigger, crawler travel unit, car-body counterweight and so on. Hydraulic cylinder driven power pinning connection is used between car-body and crawler travel unit; car-body counterweight is mounted on left/right crawler travel unit; four outriggers and cylinders are mounted on car-body front/rear ends; Also undercarriage car-body has slewing ring connection holes and central rotary joint bracket for fixing the central rotary joint.

Car-body
Car-body is made of high strength steel and welded in box-type radial structure with precision machining, to ensure a correct mounting surface for slewing ring installation. Car-body has good overall rigidity, high strength, and high precision. In order to facilitate track frame fixing on the car-body, this machine is equipped with hydraulic power pinning device, to ensure precise positioning of four car-body pads on track frame via pins and lug hooks. Car-body accessories include outrigger (with outrigger pad) and jack-up cylinder, through pin shaft hinged to car-body outside to facilitate track frame assembly and disassembly. Outrigger cylinder can be controlled by remote control box.
Track frame

Crawler travel unit is divided into left/right crawler travel unit, consists of track frame, track shoe, track roller, drive sprocket, guide roller, idle roller, and travel device and tension device.
Track frame: symmetrically arranged, each one, made of high-strength steel plate welded in box- type structure, and a parallel iron is set for car-body installation positioning to play a role of guidance and wear.
Drive roller: high-strength heat resistant alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. Drive roller assy. is connected on planetary reducer housing with high-strength bolts, composed as part of the built-in hydraulic traction motor, and motor rotation part and non-rotation part have floating seals.
Track roller: high-strength wear-resistant heat- treated alloy steel casting, roller diameter 360mm, total 2×14=28 pieces. Track roller is double-flange design, with built-in floating seals for lifetime lubrication and maintenance-free.
Tension roller: high-strength wear-resistant heat-treated alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. The rollers are installed with lubrication floating seal of copper bushing for lubrication and wear. The rollers are used to adjust crawler tension level through hydraulic jack and the number of track shoe so as to keep the crawler in the best working condition.
Idle roller: high-strength heat resistant alloy steel casting, roller diameter 280mm, total 2×2=4 pieces. The rollers have built-in floating seals for lifetime lubrication and maintenance-free.
Track shoe: track shoe width 1200mm, total 2×64=128 pieces. The track shoe is made of high- strength heat resistant alloy steel casting, internal hollow with ribs, and self-cleaning. Between track shoes the floating pins are used to achieve multiple shoe hinged closure.

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

 配重

配重由车身配重和转台配重组成。
车身配重共50t，车身配重可用桅杆吊实现自拆装，车身配重安装在左右履带架前后之间，可最大限度改善车架受力和降低整机重心。其组成如下：车身配重2×10t、车身配重2×15t。
转台配重提供90t、110t、130t三种选择方案，并按分级配重提供各自独立的性能表来满足不同吊装需求。
转台配重安装在转台后方。可选的转台配重组成如下：
（1）转台配重 90t：配重托盘1×10t，转台配重块 8×10t。
（2）转台配重110t：配重托盘1×10t，转台配重块 10×10t。
（3）转台配重130t：配重托盘1×10t，转台配重块 12×10t。
转台配重根据需要还可选择配置提升自拆装装置，实现转台配重自拆装。

 作业设备

XGC300履带起重机的起重臂作业设备为大截面、薄壁大管径、细精高强无缝钢管作为弦管和腹管，辅以高强度板分段焊接成中间等截面，两端变截面的四弦管空间桁架结构。通过单腰绳、双腰绳的精确分析与计算，使该产品的作业臂长度得到空前提高，臂架潜能得到充分发挥，起重能力得到极大提升。
XGC300履带起重机的作业设备包括主臂、塔式副臂、固定副臂及其拉杆组件。可提供六种工况，包括主臂工况、主臂臂端单滑轮工况、轻型主臂工况、固定副臂工况、盾构工况、塔式工况。

Crawler travel unit
Crawler travel unit: two-way piston motor is used for drive, fixed on the travel reducer housing with bolts, when the drive roller driving track shoe, travel unit can walk on a straight line, turning around, one-side steering, differential steering and walk with a suspended load, with a high flexibility and mobility. Crawler travel unit has a built-in planetary reducer, with negative brake design of multi-plate wet type laminated constant closed brake, to achieve "spring braking/hydraulic release" function, and to ensure high braking safety can be maintained even the pressure reduced in the hydraulic circuit. Variable pump and variable motor drive can achieve high/low speed of two-shift stepless speed change, with strong traction. Crawler travel unit can travel with boom with 100% load for straightline walk and with 70% load for turning around, and can travel with tower jib and fixed jib with 50% load for turning around. The max. travel speed: 1.0km/h. Grade-ability: ≥30%.

 Counterweight

Counterweight consists of car-body counter- weight and turntable counter-weight.
Car-body counterweight is total 50t, can be used as mast derrick to achieve crane self-assembly/ disassembly, and installed in the front/rear of track frame, the composition is as the follows: car-body counterweight 2×10t, and car-body counterweight 2×15t.
Turntable counterweight provides three options of 90t, 110t, and 130t. To meet the different needs of lifting, the designs provide independent lifting load charts according to classified counterweight.
Turntable counterweight is installed in rear of turntable, the optional turntable counterweight composition is as the follows:
(1) Turntable counterweight 90t: counterweight tray 1×10t, turntable counterweight 8×10t.
(2) Turntable counterweight 110t: counterweight tray 1×10t, turntable counterweight 10×10t.
(3) Turntable counterweight 130t: counterweight tray 1×10t, turntable counterweight 12×10t.
Turntable counterweight can be configured with self-assembly/disassembly device according to the requirement, to achieve turntable counterweight self-assembly/disassembly

 Lifting operation equipment

XGC300 crawler crane lifting equipment is boom and jib with main chord and lacing member of large cross-section, large size and high strength seamless steel tube, assisted high strength steel plate in sectional welding for a four-chord lattice structure of uniform section in the middle and variable section at both ends. Through analysis and calculation of single and double center hitch, boom length is increased, boom potential performance is played, and lifting performance is improved.
XGC300 crawler crane lifting equipment comprises boom, tower jib, fixed jib, and pendants, 6 kinds of working conditions provided for selection, include boom, boom head single top, light boom, fixed jib, TBM, and tower jib.

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Detailed Introduction

主臂
主臂工况额定最大起重量300t/5.5m(倍率22)，最大起重力矩167t×11m=1837t.m。主臂臂架可选择长度HB24~HB96。 主臂组成： 底节臂1×10.5m 变径节1×12m 连接节1×1.5m 中间节2×6m 中间节3×12mA 中间节2×12mB 臂头滑轮组1件（装有11只滑轮）
固定副臂
固定副臂工况额定最大起重量130t，最大起重力矩130t×14m=1820t.m。固定副臂工况主臂长度H24~H84，固定副臂工况副臂配置长度F9、F12~F42。 固定副臂组成： 底节臂1×4.5m 顶节臂1×4.5m 中间节1×3m 中间节1×6m 中间节2×12m 支架1×7m
塔式副臂
塔式工况额定最大起重量135t，最大起重力矩108t×17m=1836t.m。塔式工况主臂长度H24~H66，副臂长度W24~W66。 塔臂组成： 底节臂1×9m 顶节臂1×9m 中间节1×6mA 中间节1×6mB 中间节3×12m 前支架1×9.5m 后支架1×9.5m
主臂臂端单滑轮
主臂臂端单滑轮工况最大起重量28t。 臂端单滑轮工况可使用的主臂长度HB24~HB96，臂端单滑轮长度1.8m。
轻型主臂
轻型主臂工况由主臂臂节与塔臂臂节搭配组合而成，客户勿需单独购买特殊臂节，只要购买主臂工况和塔式工况即可实现。 轻型主臂工况额定最大起重量96.8t，最大起重力矩69.7t×22m=1533.4t.m。轻型臂长度LB73.5~LB115.5。
盾构工况
盾构工况使用主臂臂节、臂头滑轮组和固定副臂臂节组合而成，客户勿需购买特殊配件即可实现盾构吊装。盾构工况主钩单独最大吊重290t，副钩单独最大吊重130t，双钩复合交替提升最大吊重172.2t。盾构工况配置的主臂长度为HB24~HB30，固定副臂长度F9m~F12m。

Boom
Boom conditions: the max.lifting capacity 300t/ 5.5m (parts of line 22), the max. load moment 167t×11m = 1837t.m, optional boom length HB24~HB96; Boom composition: Boom base 1×10.5m, Variable section 1×12m, Connection section 1×1.5m, Boom insert 2×6m, Boom insert 3×12mA, Boom insert 2×12mB, Boom head pulley block, 1 set (with 11 pullies)
Fixed jib
Fixed jib conditions: the max. lifting capacity 130t, the max. load moment 130t×14m = 1820 t.m, boom length for fixed jib condition H24~H84, fixed jib configuration length for fixed jib condition F9, F12~F42. Fixed jib composition: Jib base 1×4.5m, Jib top 1×4.5m, Jib insert 1×3m, Jib insert 1×6m, Jib insert 2×12m, Jib strut 1×7m.
Tower jib
Tower jib conditions: the max.lifting capacity 135t, the max. load moment 108t×17m = 1836 t.m, boom length for tower jib condition H24~H66, jib length W24~W66. Tower jib composition: Jib base 1×9m, Jib top 1×9m, Jib insert 1×6mA, Jib insert 1×6mB, Jib insert 3×12m, Front strut 1×9.5m, Rear strut 1×9.5m.
Auxiliary sheave for boom
Boom head single top condition: the max. lifting capacity 28t, boom length for single top condition HB24~ HB96, single top length 1.8m
Light boom
Light boom conditions: light boom is the combination of boom sections and tower jib sections, and customers do not need to buy special boom sections, only buy boom sections and tower jib sections. Light boom max. lifting capacity 95.5t, the max. load moment 69.7t×22m=1533.4t.m, light boom length LB73.5 ~ LB115.5.
TBM
TBM conditions: TBM boom is the combination of boom sections, boom head pulley block and fixed jib sections, customers can carry out a TBM lifting without purchasing special accessories. TBM condition main hook block max. lifting capacity 290t, auxiliary hook block max. lifting capacity 130t, two-hook block alternately composite max. lifting capacity 172.2t, configured boom length for TBM condition HB24~HB30, fixed jib length F9m ~ F12m.

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拉板组件

采用高强拉板结构,拉板制作采用高强度钢板一次切割成型，不需焊接，制造缺陷少，安全系数高。拉板配过渡采用梯型平衡梁结构，受力均匀，能有效平衡两组拉板的受力载荷。单拉板配有“桃”形连接孔，安装方便、省力、高效。

吊钩

标准配置：260t吊钩、160t吊钩、16t吊钩。
另有300t吊钩、200t吊钩、100t吊钩、50t吊钩可供选择。

标准配置:

吊钩名称	260t	160t	16t
重量(t)	4.6	3.9	0.9
滑轮数	9	5	—

选择配置:

吊钩名称	300t	200t	100t	50t
重量(t)	5.5	4.2	3.1	2.5
滑轮数	11	7	3	1

安全装置

XGC300履带起重机广泛采用机械、电子、液压等多种安全及报警装置，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、起重臂防后倾装置、起升高度限位、起重臂角度限位、风速仪、水平仪、摄像头、回转警告、行走警告及液压系统溢流阀、平衡阀、液压锁等。

安装模式&工作模式切换开关

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。

总卸荷开关

当操作者离开座位时，总卸荷开关打开，所有动作均被锁定，以确保安全。

紧急停止按钮

紧急情况下，按下此按钮将停止所有动作。

安全保护开关

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

防过卷装置

主臂臂头及塔臂顶臂节和固定副臂顶臂节设置主起升和副起升过卷装置，防止钢丝绳过卷。当主卷扬、副卷扬起升到一定高度时，仪表板上的过卷保护指示灯亮，同时力矩限制器停止起升动作。

Pendant components				
Pendant is made of high-strength pendant structure, without welding of high-strength steel for one-time cutting, with high safety factor. Pendant with a ladder type balance beam can efficiently balance the load of two-group pendant for equal force distribution. Single pendant with "Peach" -shaped connection holes, easy assembly, saving labor and high efficient.				
 Safety Devices				
Standard equipment:260t hook, 160t hook,16 t hook. 300t hook, 200t hook, 100t hook,50t hook for optional.				
Standard hook blocks:				
Name	260t	160t	16t	
Weight(t)	4.6	3.9	0.9	
Pulley	9	5	—	
Optional hook blocks:				
Name	300t	200t	100t	50t
Weight(t)	5.5	4.2	3.1	2.5
Pulley	11	7	3	1
 Safety Devices				
XGC300 crawler crane widely uses mechanical, electronic and hydraulic and other safety and warning devices, in order to ensure the safe operation of the machine. The safety devices comprise: load moment limiter, turntable slewing lock pin, boom backstop, hoist limit switch, boom angle limiter, anemometer, level meter, camera, slewing warning device, travel warning device, hydraulic system overflow valve, balance valve, hydraulic lock, and etc.				
Assembly mode/Work mode switch				
In Assembly mode, anti-two-block device, boom limit device, load moment limiter do not work, in order to facilitate crane assembly. In Work mode, all safety devices are in work.				
Main unloading switch				
When operator leaves the cab seat, the main unloading switch is open, to lock all the crane movements for safety.				
Emergency stop switch				
In emergency conditions, press the switch to stop all the crane movements.				
Safety protection switch				
Safety protection switch is installed in the front of joystick, when the switch is pressed, all crane movement signals have been shielded, and the joystick is useless. to prevent malfunction when operator is accessing the cab and touching the joystick.				
Winch over-wound protection device				
Main/auxiliary winch over-wound protection device is installed on boom head and tower jib top and fixed jib top, to prevent wire rope from over-wound. When main/auxiliary winches hoist up to a certain lifting height, an over-wound warning lamp on instrument panel lights on, at the same time, load moment limiter stops crane hoisting up operation.				

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防过放装置
此保护功能由安装在卷筒上的开关进行检测，当卷筒上的钢丝绳剩下三圈时候，将通过显示器及蜂鸣器进行声光报警，同时力矩限制器自动停止下降动作。
棘爪锁止装置
此保护功能由安装在卷筒上的开关进行检测，当卷筒上的钢丝绳剩下三圈时候，将通过显示器及蜂鸣器进行声光报警，同时力矩限制器自动停止下降动作。
机械式安全装置
回转锁止装置用于起重机停止时上车的机械限位；防后翻装置用于主臂、塔臂、副臂、塔臂后支架、副臂后支架，防止臂架及支架的后仰。
起重臂角度限制
主臂仰角在85° 时，起重臂被停止起升，由力矩限制器和行程开关双级控制。主臂在仰角小于30° 时停止起重臂落，由力矩限制器控制。塔臂由限位开关和力矩限制器双级控制控制上限位和下限位。
起重钩防脱卡
所有起重钩均装有防脱卡板，防止悬挂在起重钩钩头的吊索脱落。
液压系统
配置液压平衡阀、液压溢流阀、液压锁等装置，保证系统工作时稳定安全。
力矩限制器
力矩限制器系统由大屏彩色显示器、主机、角度传感器、拉力传感器等组成，通过CAN-bus总线与控制器组成总线网络，通过PLC编程可实现系统安全可靠的控制。该力矩限制器功耗小、功能强、灵敏度高、操作简便。 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，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、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。
监控系统
由摄像头和监视器组成，可监视主卷扬、副卷扬和变幅卷扬排绳情况以及车身后部安全状况。

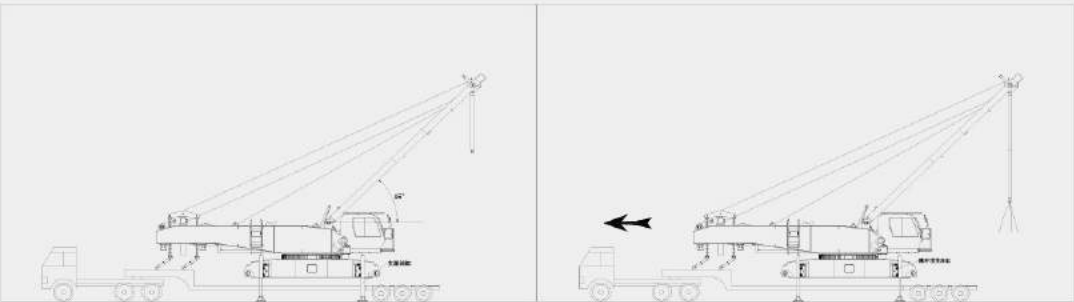
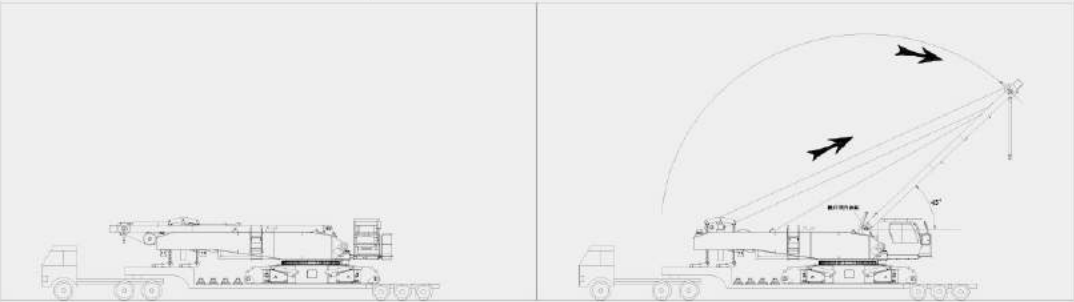
Winch over-release protection device
This protection function uses the switch on winch drum for inspection. When only three turns of wire rope left on the drum, the display and buzzer will give an over-release warning, at the same time, load moment limiter stops crane hoisting down operation.
Winch ratchet lock
This function is used to lock the main luffing winch to protect the boom for stop work during non-working time, and it must be turned on when lowering boom, otherwise boom cannot be lowered. When it is in locking, the display will give a signal to indicate the winch ratchet is in locking.
Mechanical safety device
Turntable locking device is used for crane superstructure mechanical limit for crane stop work. Backstop device is used for boom, tower jib, jib, tower jib rear strut, jib rear strut to prevent boom, jib and strut from tipping backward.
Boom angle limiter
When boom angle is up to 85 ° , boom raising is stopped, with control of both load moment limiter and hoist limit switch. When boom angle is less than 30°, boom lowering is stopped, with control of load moment limiter. Tower jib upper/lower limit is controlled with both load moment limiter and hoist limit switch.
Hook retainer clamp
All hook blocks are fitted with retainer clamps to prevent the sling on hook head from getting off.
Hydraulic system
Hydraulic system is equipped with hydraulic balance valve, hydraulic over-flow valve, two-way hydraulic lock, and etc., to ensure the stability and safety of the system work.
Load moment limiter
The load moment limiter is composed large- sized-screen display, main unit, angle sensor, tension sensor andect., through CAN-Bus to form a network with other controllers, and through PLC program to achieve system safe and reliable control, with features of little power consumption, strong function, high sensitivity and easy operation. Detection function: automatically detect boom angle and lifting load. Display function: large color touch screen LCD display, with the Chinese (or English) and graphically display of the percentage of load moment, actual lifting load, rated lifting load, working radius, boom length, boom angle, lifting height, mode code, parts of line, limit angle and information code. Warning function: with complete pre-warning, and overload stop functions, automatically send out warning and stop crane operation when detecting actual lifting load exceeds total rated lifting load and boom out of limit angle. The system also has self-diagnosis function.
Monitor system
The monitor system contains 3 cameras and 2 monitor displays, can respectively monitor the safety conditions of main, auxiliary and luffing winch rope reeving and backside condition.

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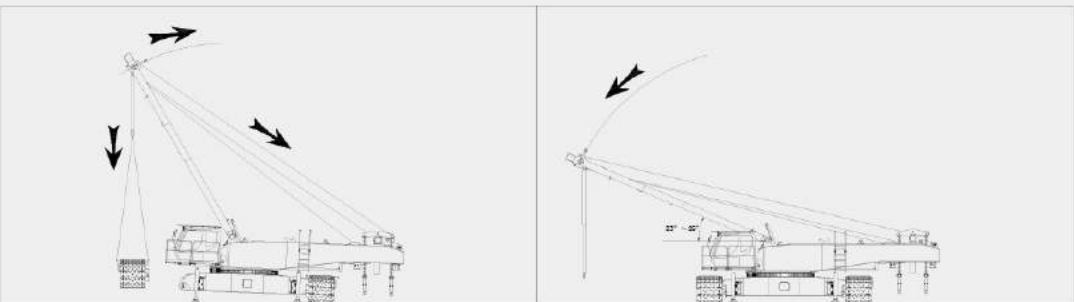
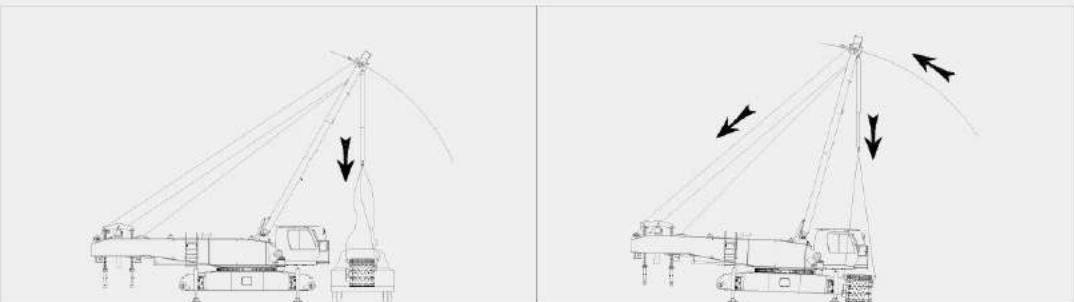
整机重心和接地比压显示
通过载荷值、转台配重、臂架状态,可适时计算整机重心和接地比压数值，并在显示屏上显示，为操作者提供可靠依据，最大限度提高整机运行安全性。
三色力矩报警灯
三色力矩报警灯由“绿”“黄”“红”三种颜色组成。负载在90%以下时，“绿灯”亮，表示起重机在安全区域运行；负载在90%～100%时，“黄灯”亮，表示起重机在已接近额定载荷范围；负载高于100%时，“红灯”和“黄灯”同时亮，表示起重机已经超载，在危险区域，控制系统自动切断起重机向危险方向运行。
声光报警器
履带起重机移动或回转时，声光板警灯闪烁并且发出报警声音。
照明灯
装置在转台前方、臂架上和操纵室内，用于夜间工作提供照明。
后视镜
位于司机室外侧，便于司机观察起重机后方情况。
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屏上，提醒司机操作的安全性。
水平仪
配有电子和机械2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。
防雷击保护装置
加强设备雷雨天气下的防雷击能力，有效保证设备的安全性。
远程GPS监控系统
可实现GPS定位及GPRS数据传输，设备使用状态查询、远程故障诊断等功能。

Center of gravity and ground pressure display
The overall center of gravity and ground pressure can be calculated through lifting load, turntable counterweight and boom condition, and displayed on screen to provide reliable data for operator, and maximize the safety for operation.
Tricolor warning lamp
The lamp comprises 3 colors, when crane loading is below 90% of total rated lifting load, "Green Lamp" lights on to indicate that the crane is running in safety; when crane loading is in 90% ~ 100% of total rated lifting load, "Yellow Lamp" lights on to indicate that the crane is close to total rated lifting load; when crane loading is above 100% of total rated lifting load, "Red Lamp" lights on to indicate that the crane is overloaded and in dangerous area, at this time control system automatically cut off the crane movement to dangerous direction.
Audio/Video warning
When crawler crane is moving and slewing, there is light and sound for warning.
Illuminator lamp
There are illuminator lamps at front of turntable, on boom and inside operator's cab for night operation.
Rearview mirror
Rearview mirror is located outside the cab for operator easy observation behind the machine.
Height mark lamp
Boom tip has a height mark lamp for high level operation warning.
Anemometer
Anemometer can detect current wind speed and send signal to a monitor in operator's cab to alert operator for safety.
Level meter
The crane is equipped with 2 kinds of electronic and mechanical level meter, can indicate the road inclination degree, and provide operator with the machine level degree for reference.
Lightning protection device
The device can strengthen the equipment lightning protection ability under thunderstorm, effectively ensure the safety of the equipment.
Remote GPS monitor
The system can achieve GPS positioning and GPRS data transmission, the equipment uses status inquiries, remote fault diagnosis, and other functions.

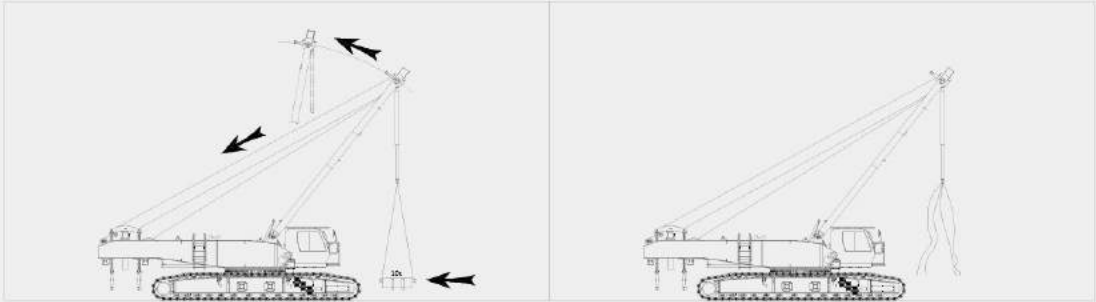
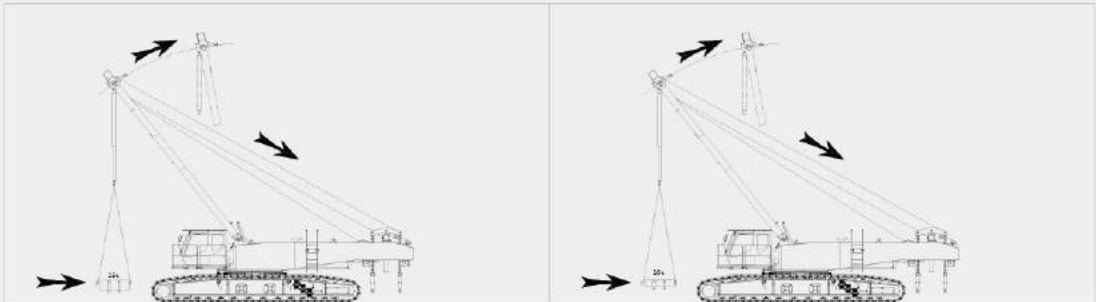
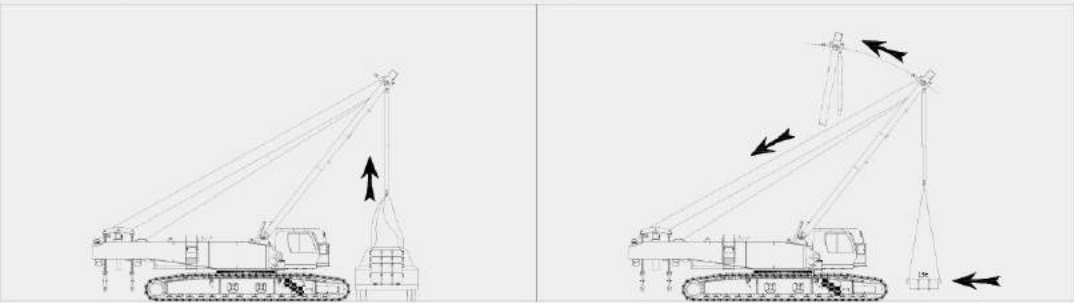
1.主机卸车 Basic machine unloading



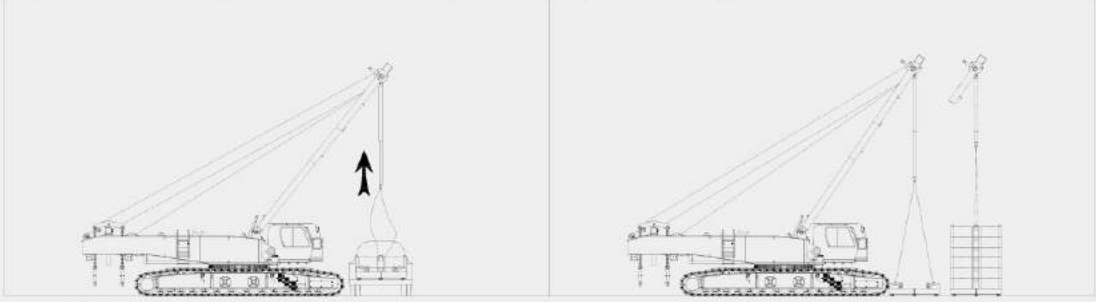
2.履带卸车及组装 Crawler unloading and assembly



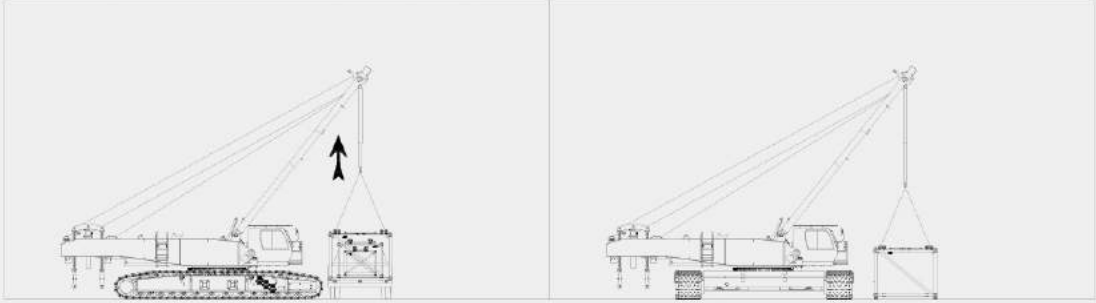
3.车身配重卸车及组装 Car-body counterweight unloading and assembly



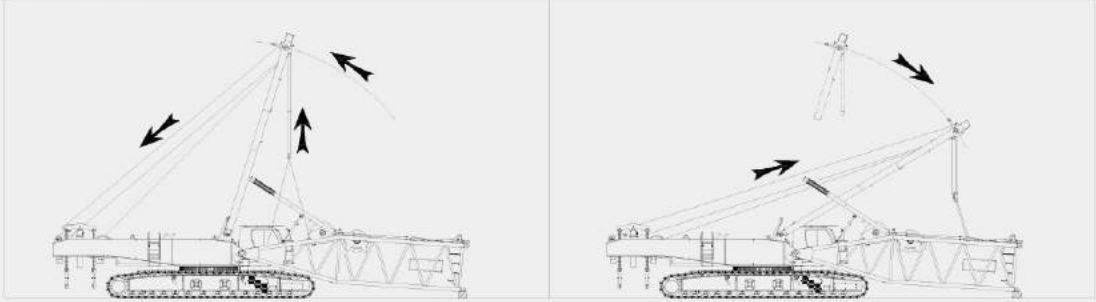
4.转台配重卸车及堆叠 Turntable counterweight unloading and assembly

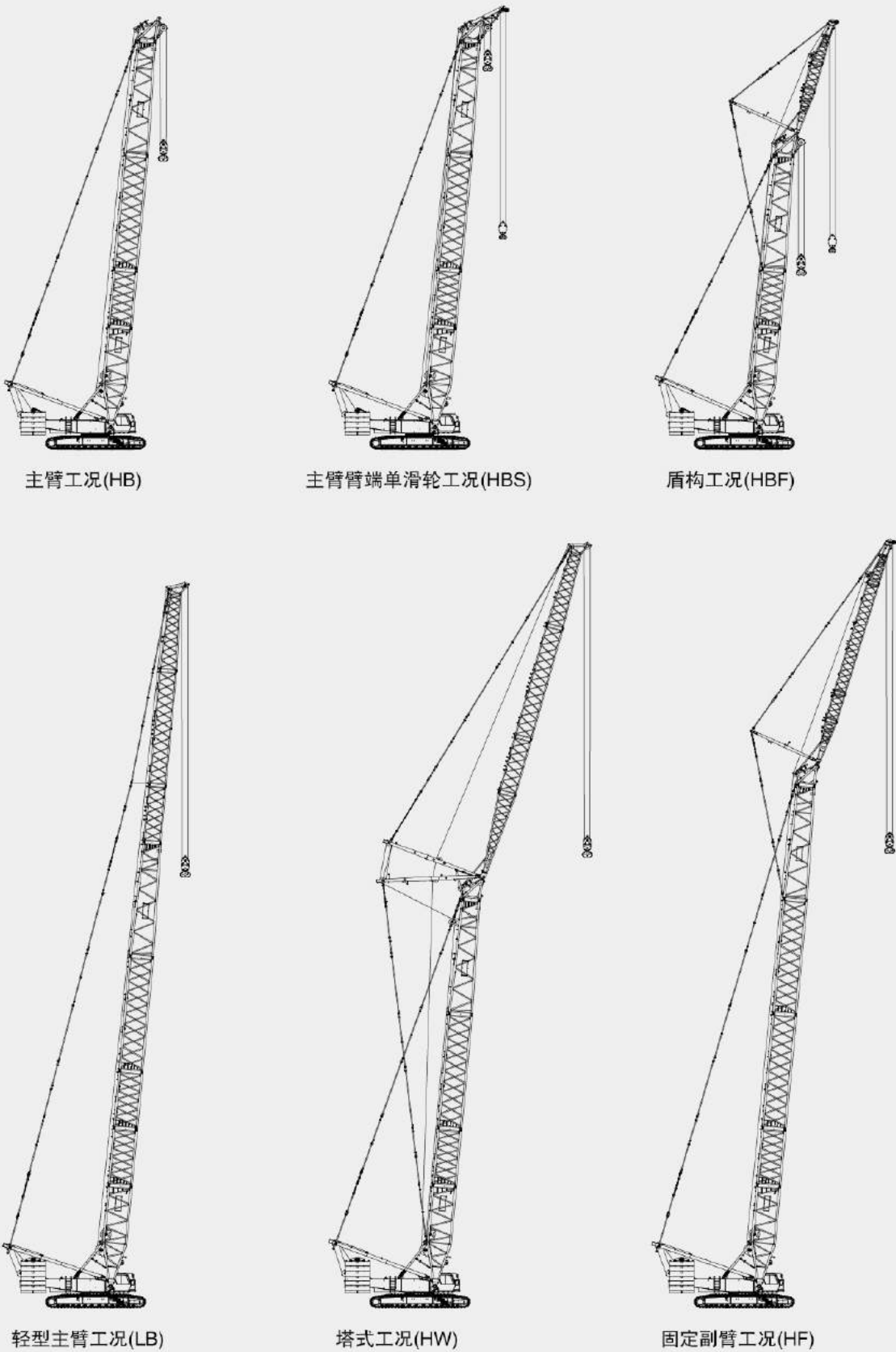
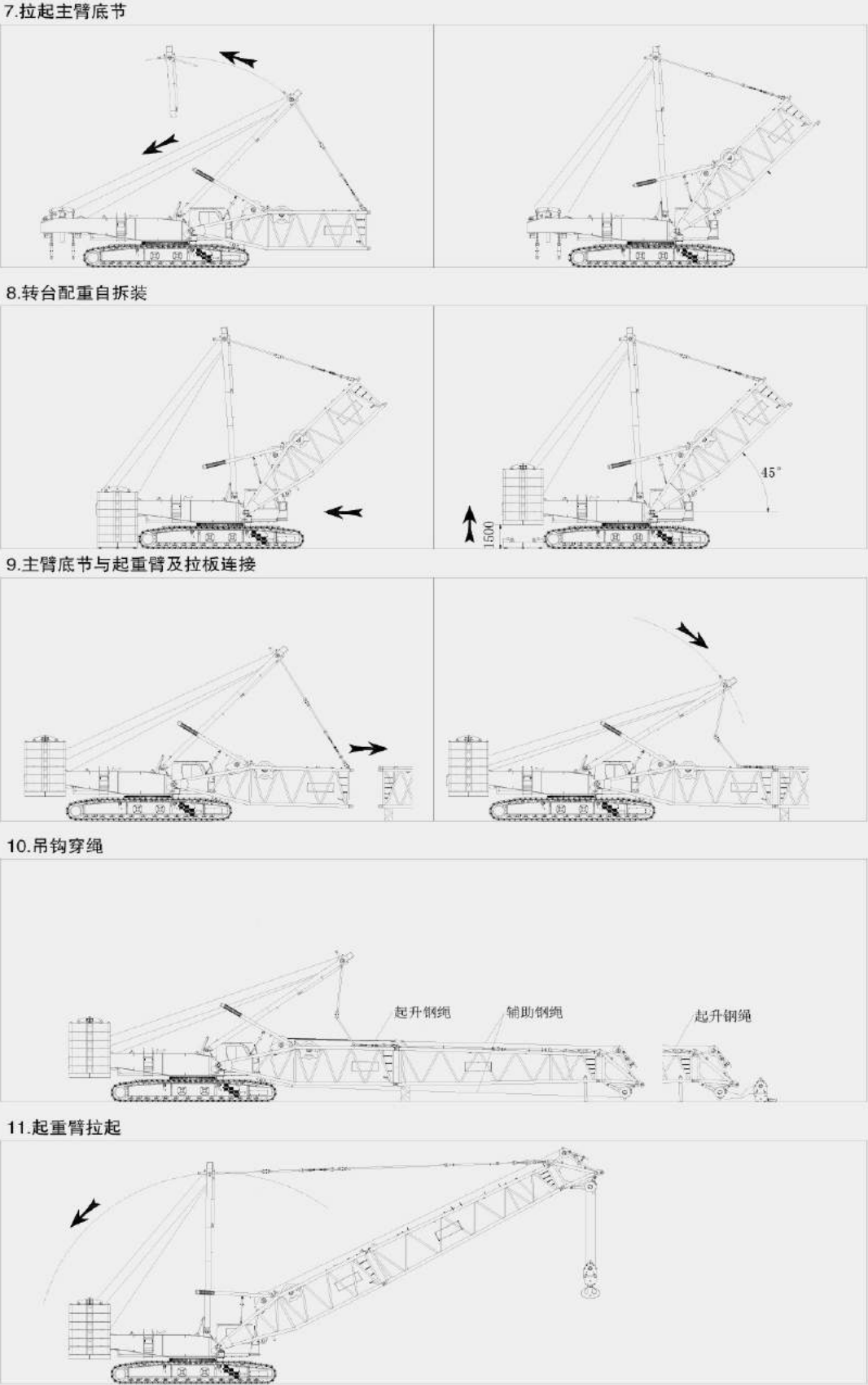


5.吊臂卸车与除主臂底节外的起重臂和拉板组装

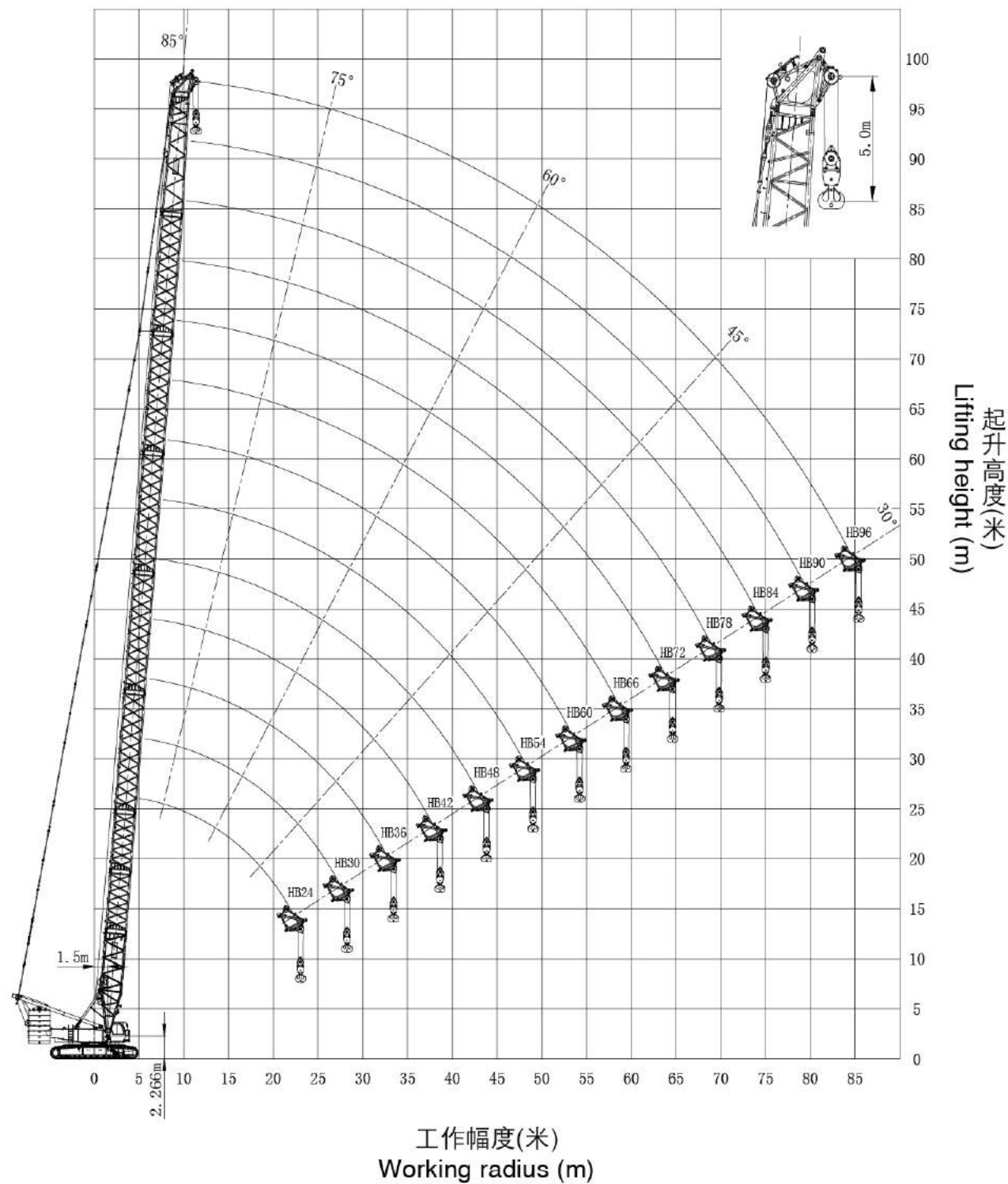


6.组装主臂底节





主臂工况工作范围图
Boom Working Area



主臂工况臂节组合
Boom Combinations

名称及数量 主臂长度	主臂底节臂 10.5m	主臂中间节 6m	主臂中间节 12mA	主臂中间节 12mB	主臂变径节 12m	主臂连接节 1.5m	主臂臂头 滑轮组
HB24	1	0	0	0	1	1	1
HB30	1	1	0	0	1	1	1
HB36	1	2	0	0	1	1	1
HB42	1	1	1	0	1	1	1
HB48	1	2	1	0	1	1	1
HB54	1	1	2	0	1	1	1
HB60	1	2	2	0	1	1	1
HB66	1	1	3	0	1	1	1
HB72	1	2	3	0	1	1	1
* HB78	1	1	3	1	1	1	1
* HB84	1	2	3	1	1	1	1
* HB90	1	1	3	2	1	1	1
* HB96	1	2	3	2	1	1	1

注释：“*”主臂长度需要使用1.31m腰绳。

主臂工况起臂表
Boom Raising Table

说明 主臂长度	配重组合(转台配重+车身配重)		
	90t+50t	110t+50t	130t+50t
HB24	●	●	●
HB30	●	●	●
HB36	●	●	●
HB42	●	●	●
HB48	●	●	●
HB54	●	●	●
HB60	●	●	●
HB66	●	●	●
HB72	●	●	●
* HB78	●	●	●
* HB84	○	●	●
* HB90	×	○	●
* HB96	×	×	○

- 注释：1. 起臂时，请将履带驱动轮置于车体在后方起臂。
2. “*”——臂架长度表示需要使用1.3m腰绳。
3. “●”——可以起臂。
4. “○”——需要楔块起臂。
5. “×”——不可起臂，工况不可使用。

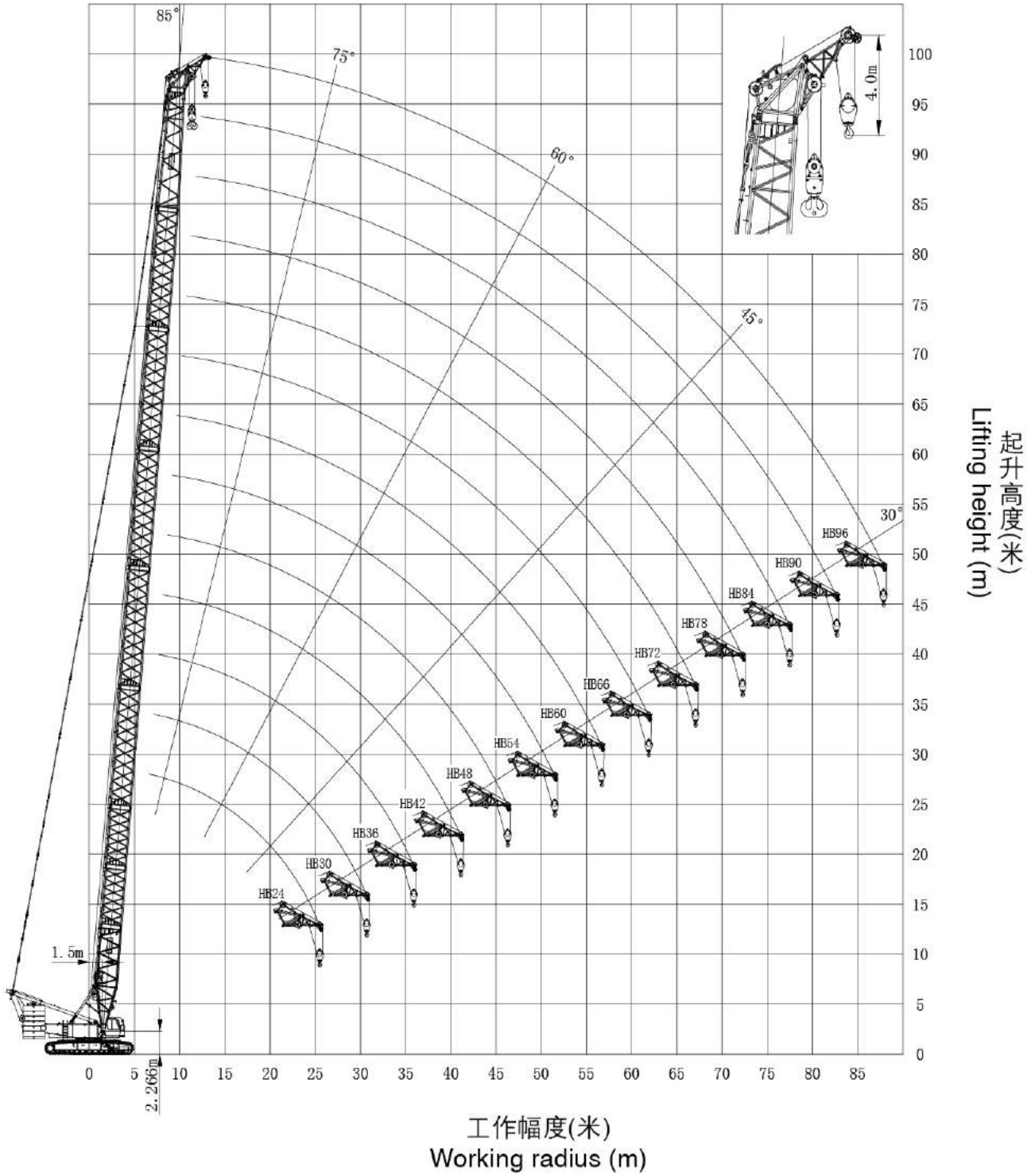
主臂工况(HB)载荷表
Boom Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t 主臂长度:24m ~ 96m

HB 作业半径 (m)	主臂长度Boom length													HB 作业半径 (m)
	HB24 t	HB30 t	HB36 t	HB42 t	HB48 t	HB54 t	HB60 t	HB66 t	HB72 t	HB78 t	HB84 t	HB90 t	HB96 t	
5.5	300.0**													5.5
6	287.0*	286.0*												6
7	248.0*	247.0*	246.0*	237.0										7
8	218.0*	217.0*	227.0	226.0	208.0	179.0								8
9	194.0*	203.0	202.0	202.0	201.0	179.0	164.0	148.0						9
10	183.0	183.0	182.0	182.0	181.0	173.0	164.0	148.0	133.0	122.0				10
11	167.0	166.0	165.0	165.0	164.0	157.0	150.0	144.0	133.0	121.0	103.0	88.8		11
12	153.0	152.0	151.0	151.0	149.0	143.0	137.0	131.0	126.0	120.0	102.0	87.9	76.6	12
13	141.0	140.0	139.0	139.0	136.0	131.0	126.0	121.0	116.0	112.0	102.0	87.1	75.8	13
14	130.0	130.0	129.0	129.0	125.0	121.0	116.0	112.0	108.0	104.0	100.0	86.3	75.0	14
15	120.0	120.0	119.0	119.0	116.0	112.0	108.0	104.0	100.0	97.3	93.8	85.5	74.3	15
16	109.0	109.0	109.0	109.0	108.0	104.0	101.0	97.6	94.1	90.9	87.7	84.6	73.5	16
17	100.0	100.0	100.0	100.0	100.0	97.9	94.5	91.4	88.2	85.2	82.3	79.6	72.8	17
18	93.1	93.1	92.8	92.6	92.2	91.9	88.7	85.8	82.9	80.1	77.4	74.9	72.0	18
19	86.3	86.4	86.1	85.9	85.4	85.1	83.5	80.8	78.1	75.5	72.9	70.6	68.2	19
20	80.4	80.4	80.1	79.9	79.5	79.1	78.6	76.3	73.7	71.3	68.9	66.7	64.4	20
22	70.5	70.4	70.2	70.0	69.5	69.1	68.5	68.1	66.1	64.0	61.8	59.9	57.8	22
24		62.5	62.2	62.0	61.5	61.1	60.5	60.0	59.4	57.8	55.8	54.0	52.1	24
26		55.9	55.6	55.4	54.9	54.5	53.9	53.4	52.8	52.2	50.6	49.0	47.2	26
28		50.4	50.1	49.9	49.4	49.0	48.4	47.9	47.2	46.7	46.0	44.6	43.0	28
30			45.5	45.3	44.7	44.3	43.7	43.2	42.5	42.0	41.3	40.8	39.2	30
32			41.4	41.3	40.7	40.3	39.7	39.1	38.5	37.9	37.3	36.8	35.9	32
34				37.8	37.2	36.8	36.2	35.6	34.9	34.4	33.7	33.3	32.6	34
36				34.7	34.2	33.7	33.1	32.6	31.9	31.3	30.7	30.2	29.5	36
38				31.9	31.4	31.0	30.4	29.8	29.1	28.6	27.9	27.4	26.7	38
40					29.0	28.6	27.9	27.4	26.7	26.2	25.5	25.0	24.3	40
42					26.8	26.4	25.8	25.2	24.5	24.0	23.3	22.8	22.1	42
44						24.5	23.8	23.3	22.6	22.1	21.3	20.9	20.1	44
46						22.7	22.0	21.5	20.8	20.3	19.6	19.1	18.3	46
48						21.0	20.4	19.9	19.2	18.7	17.9	17.5	16.7	48
50							18.9	18.4	17.7	17.2	16.5	16.0	15.2	50
52							17.6	17.0	16.3	15.8	15.1	14.6	13.9	52
54							16.3	15.8	15.1	14.6	13.9	13.4	12.6	54
56								14.6	13.9	13.4	12.7	12.2	11.5	56
58								13.5	12.8	12.4	11.6	11.1	10.4	58
60									11.8	11.4	10.6	10.1	9.4	60
62									10.9	10.4	9.7	9.2	8.4	62
64									10.0	9.5	8.8	8.3	7.6	64
66										8.7	8.0	7.5	6.7	66
68										7.9	7.2	6.7	6.0	68
70											6.5	6.0	5.3	70
72											5.8	5.3	4.6	72
74											5.2	4.7	3.9	74
78												3.5	2.7	78
80												2.9		80
倍率(Φ28)	22	21	18	17	15	12	11	10	9	8	7	6	5	倍率(Φ28)

注意: 1、实际起重重量必须从本表的额定起重重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量
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主臂外拉板及臂端单滑轮的计算值。
4、主臂长度超过78m时必须使用斜楔块辅助起臂, 主臂长度超过72m时必须使用腰绳。
5、****处转台配重90t;***处转台配重为110t。

主臂臂端单滑轮工况工作范围图
Boom Head Single Top Working Area



主臂臂端单滑轮工况臂节组合
Boom Combinations for Boom Head Single Top

Table with 9 columns: Name and Quantity, Main Boom Bottom Joint, Main Boom Middle Joint, Main Boom Middle Joint, Main Boom Middle Joint, Main Boom Variable Diameter Joint, Main Boom Connection Joint, Main Boom Boom Head Pulley Group, Main Boom Boom Head Single Pulley.

注释：1. “*” 主臂长度需要使用1.31m腰绳。
2. 臂端单滑轮长度1.8m。

主臂臂端单滑轮工况起臂表
Boom Raising Table for Boom Head Single Top

Table with 4 columns: Description, 90t+50t, 110t+50t, 130t+50t. Rows include HBS24, HBS30, HBS36, HBS42, HBS48, HBS54, HBS60, HBS66, HBS72, HBS78, HBS84, HBS90, HBS96.

注释：1. 起臂时，请将履带驱动轮置于车体在后方起臂。
2. “*” ——臂架长度表示需要使用1.3m腰绳。
3. “●” ——可以起臂。
4. “○” ——需要模块起臂。
5. “×” ——不可起臂，工况不可使用。

主臂臂端单滑轮工况(HBS)载荷表
Boom Head Single Top (HBS) Lifting Load Chart

标准：GB/DIN/ISO 360° 回转 转台配重：130t 车身配重：50t 主臂长度:24m ~ 96m

Large table with 15 columns: HB, Boom length, HB24, HB30, HB36, HB42, HB48, HB54, HB60, HB66, HB72, HB78, HB84, HB90, HB96, HB. Rows list various boom lengths and their corresponding lifting capacities.

注意：1、实际起重量必须从本表的额定起重重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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主臂外拉板的计算值。
4、主臂长度超过78m必须使用斜楔块辅助起臂，主臂长度超过72m时必须使用腰绳。
5、臂端单滑轮钢丝绳直径Φ26，臂端单滑轮吊载；主臂须空钩，严禁吊载。
6、“*”处转台配重为110t。

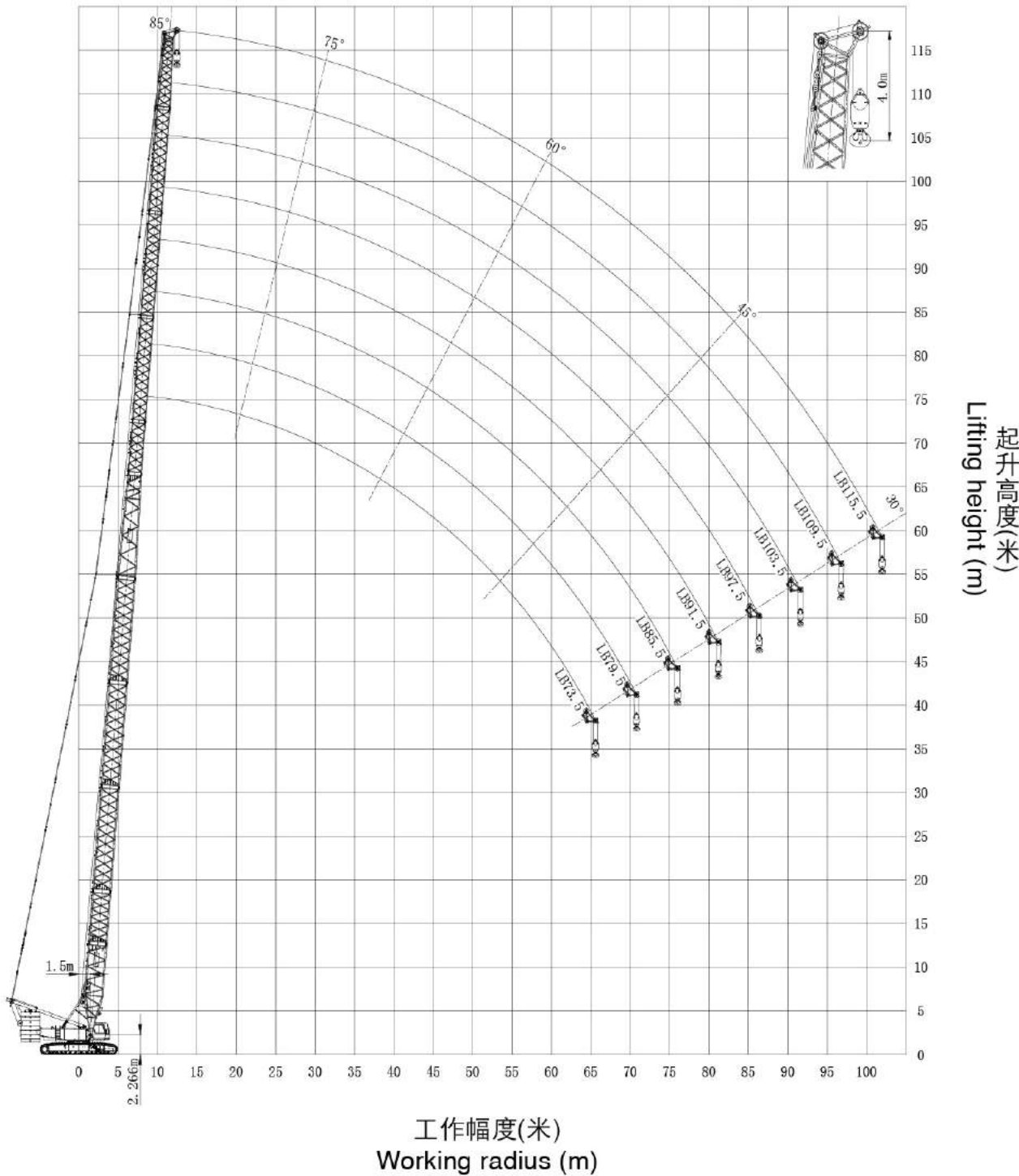
主臂臂端单滑轮工况(HBS)载荷表
Boom Head Single Top (HBS) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t 主臂长度:24m ~ 96m

HB	主臂长度Boom length													HB
作业半径 (m)	HB24 t	HB30 t	HB36 t	HB42 t	HB48 t	HB54 t	HB60 t	HB66 t	HB72 t	HB78 t	HB84 t	HB90 t	HB96 t	作业半径 (m)
7	14.0*													7
8	14.0*	14.0*	14.0*											8
9	14.0*	14.0*	14.0	14.0	14.0									9
10	14.0*	14.0	14.0	14.0	14.0	14.0	14.0							10
11	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0					11
12	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0			12
13	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13
14	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14
15	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	15
16	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16
17	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	17
18	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	18
19	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	19
20	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	20
22	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	22
24		14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	24
26		14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	26
28		14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	28
30			14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	30
32			14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	32
34				14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	34
36				14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	36
38				14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	38
40					14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	40
42					14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	42
44						14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	44
46						14.0	14.0	14.0	14.0	14.0	13.6	13.1	12.3	46
48						14.0	14.0	13.9	13.2	12.7	11.9	11.5	10.7	48
50							12.9	12.4	11.7	11.2	10.5	10.0	9.2	50
52							11.6	11.0	10.3	9.8	9.1	8.6	7.9	52
54							10.3	9.8	9.1	8.6	7.9	7.4	6.6	54
56								8.6	7.9	7.4	6.7	6.2	5.5	56
58								7.5	6.8	6.4	5.6	5.1	4.4	58
60									5.8	5.4	4.6	4.1	3.4	60
62									4.9	4.4	3.7	3.2		62
64									4.0	3.5	2.8			64
66										2.7				66
倍率(Φ26)	1	1	1	1	1	1	1	1	1	1	1	1	1	倍率(Φ26)

- 注意: 1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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主臂外拉板的计算值。
4、主臂长度超过78m必须使用斜楔块辅助起臂, 主臂长度超过72m时必须使用腰绳。
5、臂端单滑轮钢丝绳直径Φ26, 臂端单滑轮吊载; 主臂须空钩, 严禁吊载。
6、***处转台配重为110t。

轻型主臂工况工作范围图
Light Boom Working Area



轻型主臂工况臂节组合
 Light Boom Combinations

名称及数量 轻型主臂长度	主臂底节臂 10.5m	主臂中间节 6m	主臂中间节 12mA	主臂变径节 12m	塔臂中间节 6mA	塔臂中间节 6mB	塔臂中间节 12m	塔臂顶节臂 9m
* LB73.5	1	2	1	1	1	0	1	1
* LB79.5	1	1	2	1	1	0	1	1
* LB85.5	1	2	2	1	1	0	1	1
* LB91.5	1	2	2	1	1	1	1	1
* LB97.5	1	1	3	1	1	1	1	1
** LB103.5	1	1	3	1	1	0	2	1
** LB109.5	1	1	3	1	1	1	2	1
** LB115.5	1	1	3	1	1	0	3	1

注释：1. “*” 轻型主臂长度需要使用1.27m单腰绳。
 2. “**” 轻型主臂长度需要使用1.27m、2.61m双腰绳。

轻型主臂工况起臂表
 Light Boom Raising Table

说明	配重组合(转台配重+车身配重)	
主臂长度	110t+50t	130t+50t
* LB73.5	●	●
* LB79.5	●	●
* LB85.5	●	●
* LB91.5	●	●
* LB97.5	●	●
** LB103.5	●	●
** LB109.5	○	●
** LB115.5	×	○

注释：1. 起臂时，请将履带驱动轮置于车体在后方起臂。
 2. “*” 轻型主臂长度需要使用1.27m单腰绳。
 3. “**” 轻型主臂长度需要使用1.27m、2.61m双腰绳。
 4. “●” ——可以起臂。
 5. “○” ——需要模块起臂。
 6. “×” ——不可起臂，工况不可使用。
 7. 配重组合(90t+50t)不配置轻型主臂工况。

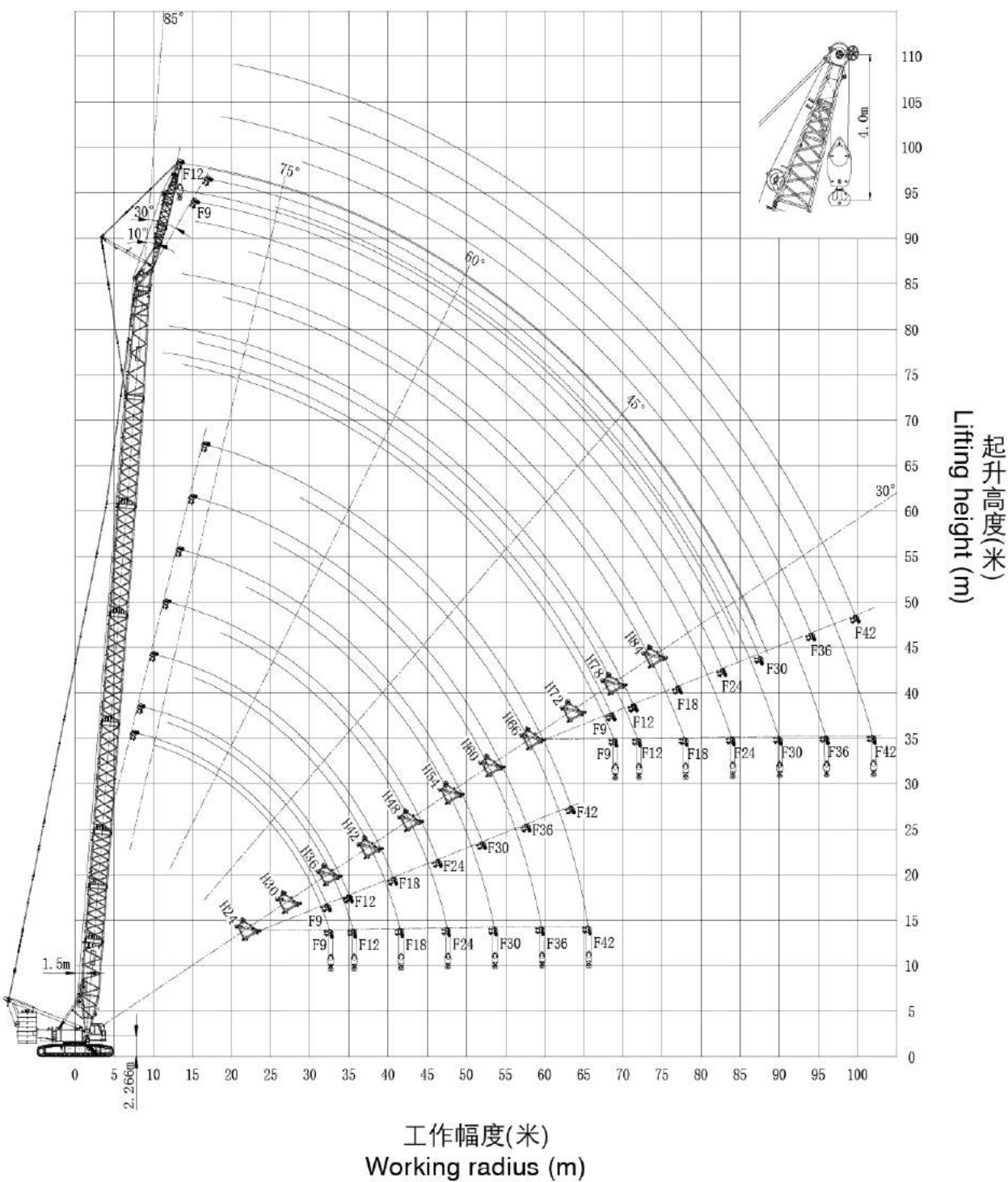
轻型主臂工况(LB)载荷表
 Light Boom (LB) Lifting Load Chart

标准：GB/DIN/ISO 360° 回转 转台配重：130t 车身配重：50t 轻型主臂:73.5m ~ 115.5m

LB	主臂长度Boom length								LB
作业半径 (m)	LB73.5 t	LB79.5 t	LB85.5 t	LB91.5 t	LB97.5 t	LB103.5 t	LB109.5 t	LB115.5 t	作业半径 (m)
9	95.5								9
10	93.3	91.5	86.6						10
11	91.1	89.8	85.8	71.1	63.5				11
12	89.1	88.1	84.9	69.8	62.9	54.5	46.3		12
13	87.1	86.6	84.1	68.5	62.3	54.0	45.9	39.2	13
14	85.2	85.1	83.2	67.3	61.6	53.5	45.5	38.8	14
15	83.2	83.5	82.3	66.1	61.0	53.0	45.1	38.5	15
16	81.5	82.1	81.1	64.9	60.4	52.4	44.6	38.1	16
17	79.5	80.5	79.9	63.8	59.8	51.5	44.2	37.7	17
18	77.5	79.2	78.9	62.8	59.2	50.6	43.7	37.3	18
19	75.7	77.8	76.4	61.6	58.6	49.7	43.3	36.9	19
20	73.9	74.8	72.4	60.6	57.9	48.9	42.8	36.5	20
22	69.7	67.6	65.4	58.6	56.7	47.3	41.6	35.7	22
24	62.9	61.5	59.5	56.7	55.6	45.8	40.3	34.9	24
26	56.3	55.7	54.4	52.9	51.4	44.3	39.1	34.1	26
28	50.8	50.2	49.6	48.6	47.2	42.9	38.0	33.1	28
30	46.1	45.5	44.9	44.5	43.5	42.4	36.8	32.2	30
32	42.1	41.5	40.9	40.5	40.0	39.2	35.8	31.2	32
34	38.6	38.1	37.4	37.0	36.5	36.2	34.8	30.4	34
36	35.6	35.0	34.3	33.9	33.4	33.1	32.7	29.5	36
38	32.9	32.3	31.6	31.2	30.7	30.4	30.0	28.7	38
40	30.5	29.9	29.2	28.8	28.3	28.0	27.6	27.3	40
42	28.3	27.7	27.0	26.6	26.1	25.8	25.4	25.1	42
44	26.4	25.8	25.1	24.7	24.2	23.9	23.4	23.1	44
46	24.6	24.0	23.3	22.9	22.4	22.1	21.7	21.4	46
48	23.0	22.4	21.7	21.3	20.8	20.5	20.1	19.8	48
50	21.6	21.0	20.2	19.9	19.3	19.0	18.6	18.3	50
52	20.2	19.6	18.9	18.5	18.0	17.7	17.2	16.9	52
54	19.0	18.4	17.7	17.3	16.7	16.4	16.0	15.7	54
56	17.9	17.2	16.5	16.1	15.6	15.3	14.8	14.5	56
58	16.8	16.2	15.4	15.1	14.5	14.2	13.8	13.5	58
60	15.8	15.2	14.5	14.1	13.5	13.2	12.8	12.5	60
62	14.9	14.3	13.5	13.1	12.6	12.3	11.9	11.6	62
64	14.0	13.4	12.7	12.3	11.7	11.4	11.0	10.7	64
66		12.6	11.9	11.5	10.9	10.6	10.2	9.9	66
68		11.8	11.1	10.7	10.2	9.9	9.4	9.1	68
70		11.1	10.4	10.0	9.5	9.2	8.7	8.4	70
72			9.7	9.3	8.8	8.5	8.0	7.7	72
76			8.5	8.1	7.5	7.3	6.8	6.5	76
80				7.0	6.4	6.1	5.7	5.4	80
84					5.4	5.1	4.7	4.4	84
88							3.8	3.5	88
92							3.0		92
倍率(Φ28)	6	6	6	5	4	4	3	3	倍率(Φ28)

注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
 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主臂外拉板的计算值。
 4、臂架长度超过103.5m必须使用斜楔块辅助起臂，必须使用腰绳，且臂架长度超过97.5m时必须使用双腰绳。

固定副臂工况工作范围图
Fixed Jib Working Area



固定副臂工况臂节组合
Fixed Jib Combinations

名称及数量	副臂底节臂 4.5m	副臂中间节 3m	副臂中间节 6m	副臂中间节 12m	副臂顶节臂 4.5m
F 9	1	0	0	0	1
F12	1	1	0	0	1
F18	1	1	1	0	1
F24	1	1	0	1	1
F30	1	1	1	1	1
F36	1	1	0	2	1
F42	1	1	1	2	1

注：为防止事故发生，使用F9、F12固定副臂组合式时，必须使用重量大于2.5t的吊钩。

固定副臂工况起臂表
Fixed Jib Raising Table

I. 配重组合(转台配重+车身配重): 130t+50t

副臂长度	F9	F12	F18	F24	F30	F36	F42
H24	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●
H54	●	●	●	●	●	●	●
H60	●	●	●	●	●	●	●
H66	●	●	●	●	●	●	●
H72	●	●	●	●	●	○	×
* H78	●	●	●	○	×	×	×
* H84	○	○	×	×	×	×	×

II. 配重组合(转台配重+车身配重): 110t+50t

副臂长度	F9	F12	F18	F24	F30	F36	F42
H24	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●
H54	●	●	●	●	●	●	●
H60	●	●	●	●	●	●	●
H66	●	●	●	●	●	○	○
H72	●	●	●	○	○	×	×
* H78	○	○	○	×	×	×	×

III. 配重组合(转台配重+车身配重): 90t+50t

副臂长度	F9	F12	F18	F24	F30	F36	F42
H24	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●
H54	●	●	●	●	●	●	●
H60	●	●	●	●	●	●	●
H66	●	●	●	○	○	×	×
H72	○	○	○	×	×	×	×

- 注释：
- 1. 起臂时，请将履带驱动轮置于车体在后方起臂。
 - 2. “*” 轻型主臂长度需要使用1.31m腰绳。
 - 3. “●” --可以起臂。
 - 4. “○” --需要模块起臂。
 - 5. “×” --不可起臂，工况不可使用。

固定副臂工况(HF)载荷表
Fixed Jib (HF) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t
固定副臂:9m 主副臂夹角:10° 主臂长度:24m ~ 84m

F9 作业半径 (m)	主臂长度Boom length											F9 作业半径 (m)
	H24 t	H30 t	H36 t	H42 t	H48 t	H54 t	H60 t	H66 t	H72 t	H78 t	H84 t	
8	130.0**	130.0**										8
9	130.0**	130.0**	130.0									9
10	130.0**	130.0	130.0	130.0	130.0							10
11	130.0	130.0	130.0	130.0	130.0	130.0	130.0					11
12	130.0	130.0	130.0	130.0	130.0	130.0	130.0	120.0	107.0			12
13	130.0	130.0	130.0	130.0	129.0	125.0	120.0	115.0	106.0	93.2	81.2	13
14	130.0	130.0	129.0	124.0	120.0	115.0	111.0	107.0	103.0	92.7	80.7	14
15	121.0	121.0	119.0	115.0	111.0	107.0	103.0	100.0	96.5	92.1	80.1	15
16	111.0	111.0	111.0	107.0	103.0	100.0	96.8	93.5	90.2	87.2	79.5	16
17	102.0	102.0	101.0	100.0	97.1	93.9	90.6	87.6	84.6	81.8	79.0	17
18	94.7	94.3	93.9	93.5	91.1	88.1	85.2	82.4	79.6	76.9	74.3	18
19	87.9	87.5	87.0	86.6	85.8	83.0	80.2	77.6	75.0	72.5	70.0	19
20	81.9	81.5	81.0	80.6	80.1	78.3	75.7	73.3	70.8	68.5	66.2	20
22	71.9	71.4	70.9	70.5	69.9	69.5	67.9	65.7	63.5	61.4	59.3	22
24	63.8	63.3	62.8	62.4	61.8	61.3	60.7	59.3	57.3	55.4	53.5	24
26	57.1	56.7	56.1	55.7	55.1	54.6	54.0	53.4	52.0	50.3	48.5	26
28	51.5	51.1	50.5	50.1	49.5	49.0	48.3	47.8	47.1	45.8	44.1	28
30	46.8	46.4	45.8	45.4	44.7	44.2	43.5	43.0	42.3	41.8	40.2	30
32	42.6	42.3	41.7	41.3	40.6	40.1	39.4	38.9	38.2	37.6	36.8	32
34		38.7	38.2	37.7	37.1	36.5	35.9	35.3	34.6	34.0	33.4	34
36		35.6	35.0	34.6	34.0	33.4	32.7	32.1	31.4	30.9	30.2	36
38			32.3	31.9	31.2	30.7	30.0	29.4	28.7	28.1	27.4	38
40			29.8	29.4	28.7	28.2	27.5	26.9	26.2	25.6	24.9	40
42			27.5	27.2	26.5	26.0	25.3	24.7	24.0	23.4	22.7	42
44				25.2	24.5	24.0	23.3	22.7	22.0	21.4	20.7	44
46				23.3	22.7	22.2	21.5	20.9	20.1	19.6	18.9	46
48					21.1	20.5	19.8	19.2	18.5	17.9	17.2	48
50					19.5	19.0	18.3	17.7	17.0	16.4	15.7	50
52					18.1	17.6	16.9	16.3	15.6	15.0	14.3	52
54						16.3	15.6	15.0	14.3	13.8	13.0	54
56						15.1	14.5	13.9	13.1	12.6	11.8	56
58						14.0	13.3	12.8	12.0	11.5	10.7	58
60							12.3	11.7	11.0	10.4	9.7	60
62							11.3	10.8	10.0	9.5	8.7	62
64								9.9	9.1	8.6	7.9	64
66								9.0	8.3	7.8	7.0	66
68								8.2	7.5	7.0	6.2	68
70									6.8	6.2	5.5	70
72									6.0	5.5	4.8	72
74										4.9	4.1	74
78										3.6	2.9	78
倍率(Φ28)	9	9	9	9	9	9	9	8	7	6	6	倍率(Φ28)

注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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及臂头滑轮组的计算值。
4、主臂长度超过66m须使用斜楔块辅助起臂，主臂长度超过72m必须使用腰绳。
5、****处转台配重90t。

固定副臂工况(HF)载荷表
Fixed Jib (HF) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t
固定副臂:42m 主副臂夹角:10° 主臂长度:24m ~ 66m

F42 作业半径 (m)	主臂长度Boom length								F42 作业半径 (m)
	H24 t	H30 t	H36 t	H42 t	H48 t	H54 t	H60 t	H66 t	
17	31.8								17
18	31.4	31.0	30.6						18
19	31.0	30.6	30.3	29.9	29.5				19
20	30.6	30.3	29.9	29.6	29.2	28.8	28.3		20
22	29.9	29.6	29.3	29.0	28.6	28.3	27.8	27.1	22
24	29.2	28.9	28.6	28.3	28.0	27.7	27.3	26.7	24
26	28.5	28.2	27.9	27.7	27.5	27.2	26.8	26.3	26
28	27.8	27.5	27.3	27.1	26.9	26.6	26.3	25.8	28
30	27.2	26.9	26.7	26.5	26.3	26.1	25.8	25.4	30
32	26.6	26.3	26.1	25.9	25.7	25.6	25.3	24.9	32
34	25.7	25.7	25.5	25.4	25.2	25.1	24.8	24.5	34
36	24.8	25.2	24.9	24.8	24.7	24.6	24.4	24.0	36
38	23.9	24.6	24.4	24.3	24.1	24.1	23.9	23.6	38
40	23.0	24.1	23.9	23.8	23.7	23.6	23.4	23.2	40
42	22.3	23.3	23.4	23.3	23.2	23.1	23.0	22.7	42
44	21.6	22.6	22.9	22.8	22.7	22.7	22.6	22.3	44
46	20.9	21.9	22.5	22.4	22.3	22.2	22.1	21.9	46
48	20.3	21.3	22.1	22.0	21.8	21.8	21.7	21.5	48
50	19.8	20.7	21.6	21.5	21.4	21.2	20.6	20.0	50
52	19.3	20.2	21.1	21.0	20.4	19.8	19.2	18.6	52
54	18.8	19.7	20.3	19.7	19.1	18.5	17.8	17.2	54
56	18.4	19.3	19.1	18.5	17.9	17.3	16.6	16.0	56
58	18.0	18.7	18.0	17.4	16.7	16.1	15.5	14.9	58
60	17.6	17.6	17.0	16.4	15.7	15.1	14.4	13.8	60
62	17.3	16.6	16.0	15.4	14.7	14.1	13.4	12.8	62
64		15.7	15.1	14.5	13.8	13.2	12.5	11.9	64
66		14.9	14.2	13.6	12.9	12.3	11.6	11.0	66
68		14.0	13.4	12.8	12.1	11.5	10.8	10.2	68
70			12.6	12.1	11.4	10.8	10.1	9.4	70
72			11.9	11.3	10.6	10.0	9.3	8.7	72
74				10.6	10.0	9.4	8.6	8.0	74
76				10.0	9.3	8.7	8.0	7.4	76
78				9.4	8.7	8.1	7.4	6.7	78
80					8.1	7.5	6.8	6.2	80
82					7.5	6.9	6.2	5.6	82
84					7.0	6.4	5.7	5.1	84
86						5.9	5.2	4.6	86
88						5.4	4.7	4.1	88
90							4.2	3.6	90
92							3.8	3.2	92
94							3.3	2.7	94
倍率(Φ28)	2	2	2	2	2	2	2	2	倍率(Φ28)

注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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及臂头滑轮组的计算值。
4、主臂长度超过60m须使用斜楔块辅助起臂。

固定副臂工况(HF)载荷表
Fixed Jib (HF) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t
固定副臂:9m 主副臂夹角:30° 主臂长度:24m ~ 84m

F9 作业半径 (m)	主臂长度Boom length											F9 作业半径 (m)
	H24 t	H30 t	H36 t	H42 t	H48 t	H54 t	H60 t	H66 t	H72 t	H78 t	H84 t	
11	123.0**	126.0										11
12	118.0**	121.0	124.0	123.0								12
13	114.0	118.0	121.0	123.0	125.0	126.0						13
14	110.0	114.0	117.0	120.0	122.0	118.0	114.0	110.0				14
15	107.0	111.0	114.0	117.0	113.0	110.0	106.0	102.0	99.4	81.3		15
16	103.0	108.0	111.0	109.0	106.0	102.0	99.3	96.0	92.9	80.1	76.4	16
17	100.0	103.0	103.0	102.0	99.2	96.1	93.0	90.0	87.1	78.9	75.6	17
18	95.8	95.6	95.4	95.2	93.1	90.2	87.3	84.6	81.9	77.8	74.9	18
19	88.9	88.7	88.4	88.2	87.6	84.9	82.2	79.7	77.1	74.7	72.3	19
20	82.8	82.6	82.2	82.0	81.6	80.1	77.6	75.2	72.8	70.6	68.3	20
22	72.6	72.3	71.9	71.7	71.3	70.9	69.5	67.4	65.3	63.3	61.3	22
24	64.4	64.1	63.7	63.4	62.9	62.6	62.1	60.9	58.9	57.1	55.2	24
26	57.6	57.3	56.9	56.6	56.1	55.7	55.2	54.8	53.4	51.8	50.0	26
28	51.9	51.6	51.2	50.9	50.4	49.9	49.4	49.0	48.4	47.1	45.5	28
30	47.0	46.8	46.3	46.0	45.5	45.1	44.5	44.0	43.5	43.0	41.5	30
32	42.7	42.6	42.2	41.8	41.3	40.9	40.3	39.8	39.2	38.8	38.0	32
34		38.9	38.5	38.2	37.7	37.2	36.6	36.1	35.6	35.1	34.5	34
36		35.7	35.3	35.0	34.5	34.0	33.4	32.9	32.3	31.8	31.2	36
38			32.5	32.2	31.6	31.2	30.6	30.1	29.5	29.0	28.3	38
40			29.9	29.6	29.1	28.7	28.1	27.5	26.9	26.4	25.8	40
42			27.6	27.4	26.8	26.4	25.8	25.3	24.6	24.1	23.5	42
44				25.3	24.8	24.3	23.7	23.2	22.6	22.1	21.4	44
46				23.4	22.9	22.5	21.9	21.3	20.7	20.2	19.5	46
48				21.6	21.2	20.8	20.2	19.6	19.0	18.5	17.8	48
50					19.6	19.2	18.6	18.1	17.4	16.9	16.2	50
52					18.1	17.8	17.2	16.6	16.0	15.5	14.8	52
54						16.4	15.8	15.3	14.7	14.2	13.5	54
56						15.2	14.6	14.1	13.4	12.9	12.3	56
58						14.0	13.4	12.9	12.3	11.8	11.1	58
60							12.4	11.9	11.2	10.7	10.0	60
62							11.3	10.9	10.2	9.7	9.1	62
64								9.9	9.3	8.8	8.1	64
68								8.2	7.6	7.1	6.4	68
74									5.3	4.9	4.2	74
78										3.6	3.0	78
倍率(Φ28)	8	8	8	8	8	8	8	8	7	5	5	倍率(Φ28)

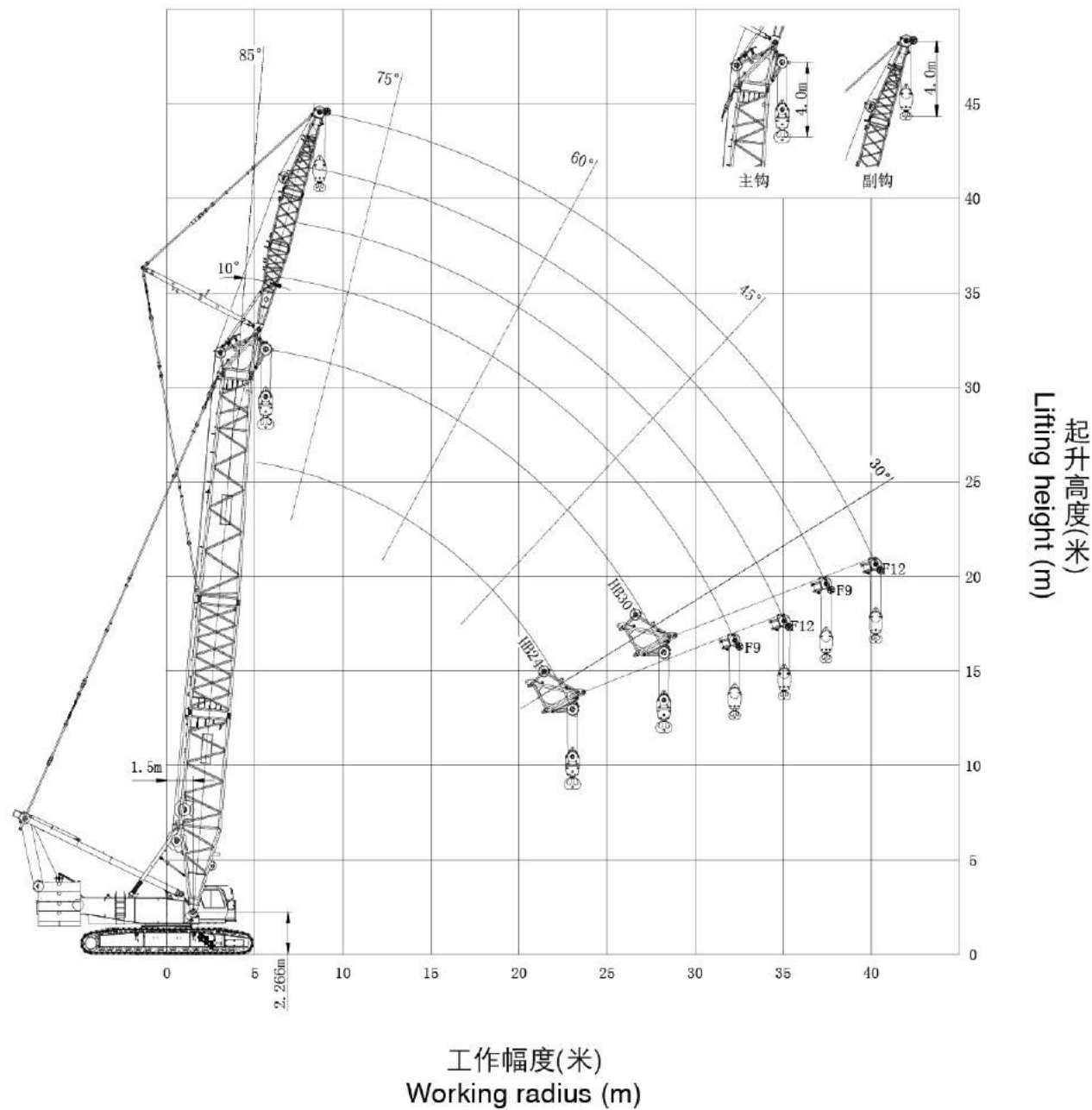
- 注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
- 2、表中额定载荷是在水平坚硬地面、重物被缓慢平稳吊起、非行走吊重工作时的值。
- 3、表中额定载荷基于主臂臂节不含塔臂后拉板及臂头滑轮组的计算值。
- 4、主臂长度超过66m须使用斜模块辅助起臂，主臂长度超过72m必须使用腰绳。
- 5、****处转台配重90t。

固定副臂工况(HF)载荷表
Fixed Jib (HF) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t
固定副臂:42m 主副臂夹角:30° 主臂长度:24m ~ 66m

F42	主臂长度Boom length								F42
作业半径 (m)	H24 t	H30 t	H36 t	H42 t	H48 t	H54 t	H60 t	H66 t	作业半径 (m)
30	23.7	23.9							30
32	22.9	23.2	23.4	23.6	23.8	23.9			32
34	22.2	22.5	22.8	23.0	23.2	23.4	23.5	23.7	34
36	21.5	21.9	22.2	22.4	22.7	22.9	23.1	23.2	36
38	20.9	21.3	21.6	21.9	22.2	22.4	22.6	22.8	38
40	20.3	20.7	21.1	21.4	21.7	21.9	22.2	22.4	40
42	19.8	20.2	20.6	20.9	21.2	21.5	21.7	22.0	42
44	19.3	19.8	20.2	20.5	20.8	21.1	21.4	21.6	44
46	18.9	19.3	19.7	20.1	20.4	20.7	21.0	21.2	46
48	18.5	18.9	19.3	19.7	20.0	20.4	20.6	20.9	48
50	18.1	18.6	19.0	19.4	19.7	20.0	20.3	20.6	50
52	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.2	52
54	17.2	17.9	18.3	18.7	19.1	19.4	19.7	19.6	54
56	16.7	17.4	18.0	18.4	18.8	19.1	18.7	18.3	56
58	16.2	16.9	17.6	18.1	18.3	17.9	17.4	17.0	58
60	15.8	16.5	17.2	17.6	17.1	16.7	16.3	15.8	60
62	15.4	16.1	16.7	16.5	16.1	15.6	15.2	14.7	62
64	15.2	15.7	15.9	15.5	15.1	14.6	14.1	13.7	64
66		15.4	15.0	14.6	14.1	13.7	13.2	12.7	66
68		14.5	14.1	13.7	13.2	12.8	12.3	11.8	68
70		13.5	13.2	12.9	12.4	11.9	11.4	11.0	70
72			12.4	12.0	11.6	11.1	10.6	10.1	72
74			11.5	11.3	10.8	10.4	9.8	9.4	74
76			10.7	10.5	10.1	9.6	9.1	8.6	76
78				9.8	9.3	8.9	8.4	7.9	78
80				9.0	8.7	8.3	7.7	7.3	80
82					8.0	7.6	7.1	6.6	82
84					7.3	7.0	6.5	6.0	84
86					6.7	6.4	5.9	5.4	86
88						5.8	5.3	4.9	88
90						5.2	4.8	4.3	90
92							4.2	3.8	92
94							3.7	3.3	94
96							3.1	2.8	96
98									98
倍率(Φ28)	2	2	2	2	2	2	2	2	倍率(Φ28)

- 注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
- 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及臂头滑轮组的计算值。
- 4、主臂长度超过60m须使用斜模块辅助起臂。



A、盾构工况主臂臂节组合

名称及数量	主臂底节臂 10.5m	主臂中间节 6m	主臂变径节 12m	主臂连接节 1.5m	主臂臂头滑轮组
主臂长度					
HB24	1	0	1	1	1
HB30	1	1	1	1	1

B、盾构工况副臂臂节组合

名称及数量	副臂底节臂 4.5m	副臂中间节 3m	副臂顶节臂 4.5m
主臂长度			
F9	1	0	1
F12	1	1	1

盾构工况起臂表
TBM Boom Raising Table

I、配重组合(转台配重+车身配重): 130t+50t

固定副臂长度	F9	F12
主臂长度		
HB24	●	●
HB30	●	●

II、配重组合(转台配重+车身配重): 110t+50t

固定副臂长度	F9	F12
主臂长度		
HB24	●	●
HB30	●	●

III、配重组合(转台配重+车身配重): 90t+50t

固定副臂长度	F9	F12
主臂长度		
HB24	●	●
HB30	●	●

注释: 1. 起臂时, 请将履带驱动轮置于车体在后方起臂
2. “●” ——可以起臂。
3. 为防止事故的发生, 当使用盾构工况时, 主臂必须使用重量大于 3.9t 的吊钩, 固定副臂必须使用重量大于 2.5t 的吊钩。

盾构工况(HBF)载荷表
TBM (HBF) Lifting Load Chart

盾构工况主钩单独吊装载荷表

标准: GB/DIN/ISO		360° 回转 副臂长度:9m ~ 12m		转台配重: 130t 主副臂夹角:10°		车身配重: 50t 主臂长度:24m ~ 30m(副臂空钩)	
F9 主钩半径 (m)	主臂长度Boom length		F9 主钩半径 (m)	F12 主钩半径 (m)	主臂长度Boom length		F12 主钩半径 (m)
	H24 t	H30 t			H24 t	H30 t	
6	290.0	286.0	6	6	290.0	286.0	6
7	250.0	247.0	7	7	250.0	247.0	7
8	220.0	217.0	8	8	218.9	217.0	8
9	195.2	194.9	9	9	194.0	193.7	9
10	175.0	174.6	10	10	173.7	172.9	10
11	158.2	157.7	11	11	157.0	154.5	11
12	144.1	142.1	12	12	142.2	139.1	12
13	131.7	128.9	13	13	128.7	126.1	13
14	120.0	117.6	14	14	117.1	115.0	14
15	109.9	107.8	15	15	107.1	105.3	15
16	99.4	99.2	16	16	97.9	96.8	16
17	90.4	90.6	17	17	89.0	89.3	17
18	82.7	83.1	18	18	81.3	81.8	18
19	76.0	76.3	19	19	74.5	75.1	19
20	70.0	70.4	20	20	68.6	69.2	20
22		60.5	22	22		59.3	22
24		52.5	24	24		51.3	24
倍率(Φ28)	22	21	倍率(Φ28)	倍率(Φ28)	22	21	倍率(Φ28)

注意：1、实际起重量必须从表中额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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的计算值。
4、主钩钢丝绳直径Φ28，副钩钢丝绳直径Φ26。
5、主钩吊载，副钩空载。

盾构工况副钩单独吊装载荷表

标准: GB/DIN/ISO		360° 回转 副臂长度:9m ~ 12m		转台配重: 130t 主副臂夹角:10°		车身配重: 50t 主臂长度:24m ~ 30m(主臂空钩)	
F9 副钩半径 (m)	主臂长度Boom length		F9 副钩半径 (m)	F12 副钩半径 (m)	主臂长度Boom length		F12 副钩半径 (m)
	H24 t	H30 t			H24 t	H30 t	
8	130.0	130.0	8	9	124.0	127.0	9
9	130.0	130.0	9	10	122.0	123.0	10
10	130.0	130.0	10	11	120.0	121.0	11
11	130.0	130.0	11	12	119.0	120.0	12
12	130.0	130.0	12	13	118.0	119.0	13
13	130.0	130.0	13	14	116.0	118.0	14
14	128.5	127.2	14	15	115.0	117.0	15
15	118.7	117.4	15	16	109.5	108.9	16
16	108.6	108.0	16	17	100.4	99.7	17
17	99.5	98.8	17	18	92.5	91.8	18
18	91.6	90.9	18	19	85.7	85.0	19
19	84.8	84.1	19	20	79.7	79.0	20
20	78.8	78.1	20	22	69.6	68.9	22
22	68.8	68.0	22	24	61.6	60.7	24
24	60.7	59.9	24	26	54.9	54.1	26
26	54.0	53.3	26	28	49.3	48.5	28
28	48.5	47.7	28	30	44.6	43.7	30
30		43.0	30	32		39.7	32
32		38.9	32	34		36.1	34
34			34	36		33.0	36
36			36	38			38
倍率(Φ26)	10	10	倍率(Φ26)	倍率(Φ26)	9	9	倍率(Φ26)

注意：1、实际起重量必须从表中额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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的计算值。
4、主钩钢丝绳直径Φ28，副钩钢丝绳直径Φ26。
5、副钩吊载，主臂必须带吊钩且保证主臂载荷（5~10）t。

盾构工况(HBF)载荷表
TBM (HBF) Lifting Load Chart

盾构工况主副钩复合吊装载荷表

标准: GB/DIN/ISO		360° 回转 副臂长度:9m ~ 12m		转台配重: 130t 主副臂夹角:10°		车身配重: 50t 主臂长度:24m ~ 30m	
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1.主臂长度24m，主副臂带钩复合吊装

HB24+F9_10°						HB24+F12_10°					
主臂角度 (°)	主钩半径 (m)	主钩载荷 (t)	副钩半径 (m)	副钩载荷 (t)	主钩加副钩总载荷 (t)	主臂角度 (°)	主钩半径 (m)	主钩载荷 (t)	副钩半径 (m)	副钩载荷 (t)	主钩加副钩总载荷 (t)
82.8	6	290.0	8.7	130.0	170.2	82.8	6	290.0	9.5	122.9	158.2
80.4	7	250.0	10.1	130.0	167.7	80.4	7	250.0	11.1	119.9	153.9
77.9	8	220.0	11.5	130.0	165.7	77.9	8	218.9	12.6	118.4	151.6
75.4	9	195.2	12.9	130.0	151.0	75.4	9	194.0	14.1	115.9	140.0
72.9	10	175.0	14.3	125.6	137.6	72.9	10	173.7	15.6	111.5	128.0
70.3	11	158.2	15.7	111.9	125.9	70.3	11	157.0	17.1	99.2	117.4
67.7	12	144.1	17.1	98.9	115.8	67.7	12	142.2	18.7	88.0	107.7
65.0	13	131.7	18.5	88.3	106.6	65.0	13	128.7	20.2	78.8	98.4
62.3	14	120.0	19.9	79.6	96.7	62.3	14	117.1	21.7	71.1	90.2
59.4	15	109.9	21.2	72.3	87.8	59.4	15	107.1	23.2	64.7	82.0
56.5	16	99.4	22.6	66.0	80.1	56.5	16	97.9	24.7	59.1	75.0
53.4	17	90.4	24.0	60.6	73.5	53.4	17	89.0	26.2	54.3	68.8
50.2	18	82.7	25.4	55.9	67.7	50.2	18	81.3	27.7	50.2	63.5
46.9	19	76.0	26.8	51.8	62.7	46.9	19	74.5	29.2	46.5	58.6
43.3	20	70.0	28.1	48.1	58.2	43.3	20	68.6	30.6	43.2	54.2

注意：1、实际起重量必须从表中额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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的计算值。
4、当主钩加副钩实际吊装载荷大于副钩载荷的60%时，严禁向副钩方向做翻身动作。
5、主钩钢丝绳直径Φ28，副钩钢丝绳直径Φ26。

标准: GB/DIN/ISO		360° 回转 副臂长度:9m ~ 12m		转台配重: 130t 主副臂夹角:10°		车身配重: 50t 主臂长度:24m ~ 30m	
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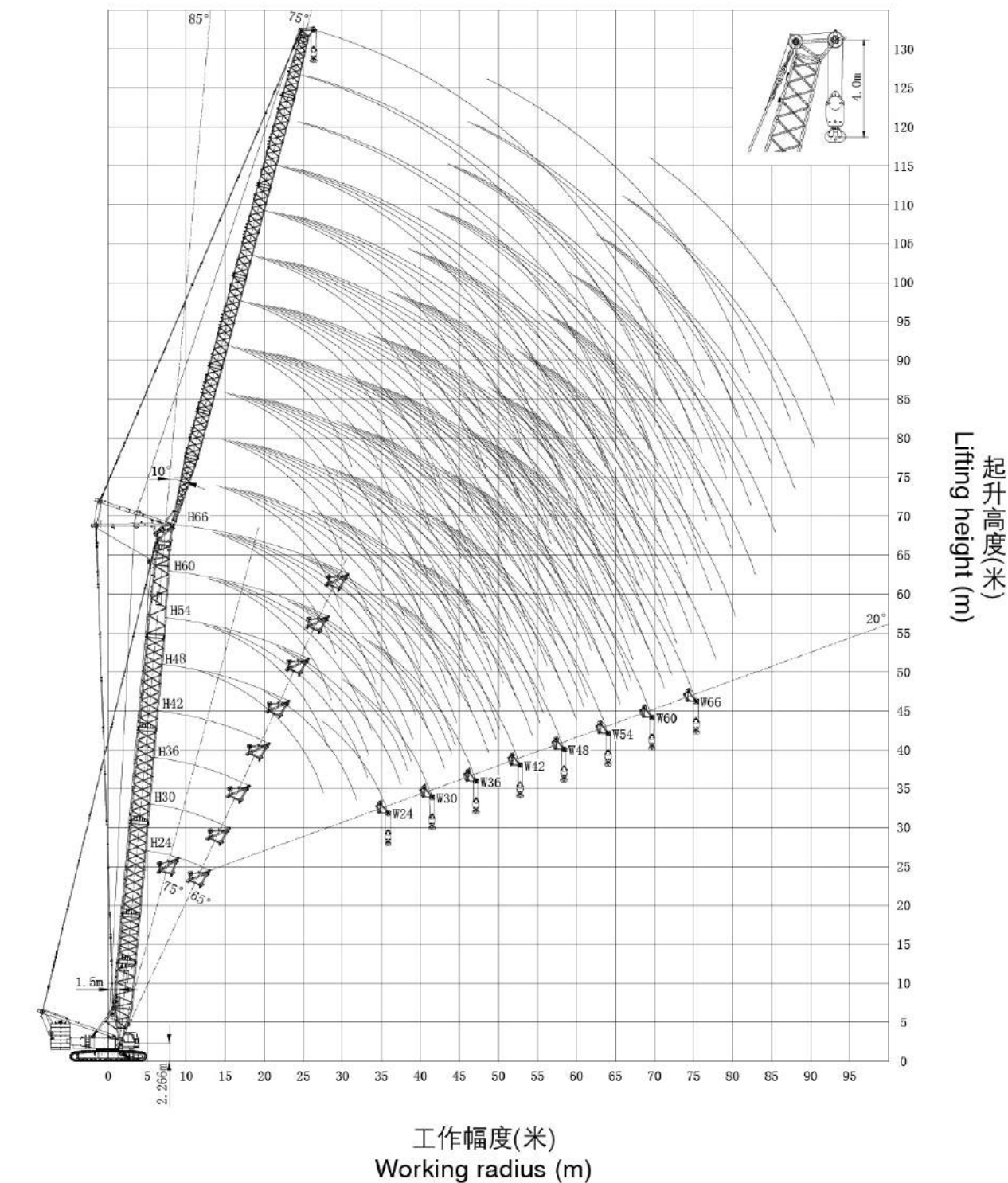
2.主臂长度30m，主副臂带钩复合吊装

HB30+F9_10°						HB30+F12_10°					
主臂角度 (°)	主钩半径 (m)	主钩载荷 (t)	副钩半径 (m)	副钩载荷 (t)	主钩加副钩总载荷 (t)	主臂角度 (°)	主钩半径 (m)	主钩载荷 (t)	副钩半径 (m)	副钩载荷 (t)	主钩加副钩总载荷 (t)
84.2	6	286.0	8.4	130.0	172.2	84.2	6	286.0	9.2	126.1	159.6
82.3	7	247.0	9.8	130.0	165.6	82.3	7	247.0	10.7	121.7	153.2
80.4	8	217.0	11.1	130.0	163.1	80.4	8	217.0	12.1	119.9	150.3
78.4	9	194.9	12.4	130.0	155.1	78.4	9	193.7	13.5	118.5	144.7
76.4	10	174.6	13.7	129.1	141.2	76.4	10	172.9	14.9	117.1	131.9
74.4	11	157.7	15.0	117.0	129.1	74.4	11	154.5	16.3	105.9	119.7
72.4	12	142.1	16.4	104.6	117.4	72.4	12	139.1	17.7	93.9	109.0
70.4	13	128.9	17.7	93.4	107.3	70.4	13	126.1	19.1	84.1	99.8
68.3	14	117.6	19.0	84.2	98.5	68.3	14	115.0	20.5	76.0	91.7
66.2	15	107.8	20.3	76.4	90.6	66.2	15	105.3	22.0	69.1	84.5
64.0	16	99.2	21.6	69.8	82.7	64.0	16	96.8	23.4	63.2	77.9
61.8	17	90.8	22.9	64.1	75.8	61.8	17	89.3	24.8	58.1	71.5
59.5	18	83.1	24.2	59.1	69.9	59.5	18	81.8	26.2	53.6	65.9
57.2	19	76.3	25.5	54.7	64.6	57.2	19	75.1	27.6	49.6	61.0
54.8	20	70.4	26.8	50.8	60.0	54.8	20	69.2	28.9	46.1	56.5

注意：1、实际起重量必须从表中额定起重量减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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的计算值。
4、当主钩加副钩实际吊装载荷大于副钩载荷的60%时，严禁向副钩方向做翻身动作。
5、主钩钢丝绳直径Φ28，副钩钢丝绳直径Φ26。

塔式工况工作范围图
Tower Jib Working Area

塔式工况臂节组合
Tower Jib Combinations



名称及数量 塔式副臂长度	塔式副臂 底节臂 9m	塔式副臂 中间节 6mA	塔式副臂 中间节 6mB	塔式副臂 中间节 12m	塔式副臂 顶节臂 9m
W24	1	1	0	0	1
W30	1	1	1	0	1
W36	1	1	0	1	1
W42	1	1	1	1	1
W48	1	1	0	2	1
W54	1	1	1	2	1
W60	1	1	0	3	1
W66	1	1	1	3	1

塔式工况起臂表
Tower Jib Raising Table

I. 配重组合(转台配重+车身配重): 130t+50t

塔式副臂长度 主臂长度	W24	W30	W36	W42	W48	W54	W60	W66
H24	●	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●	●
H54	●	●	●	●	●	●	●	●
H60	●	●	●	●	●	●	●	●
H66	○	○	○	○	○	○	○	○

II. 配重组合(转台配重+车身配重): 110t+50t

塔式副臂长度 主臂长度	W24	W30	W36	W42	W48	W54	W60	W66
H24	●	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●	●
H54	●	●	●	●	●	●	●	●
H60	○	○	○	○	○	○	○	○
H66	×	×	×	×	×	×	×	×

III. 配重组合(转台配重+车身配重): 90t+50t

塔式副臂长度 主臂长度	W24	W30	W36	W42	W48	W54	W60	W66
H24	●	●	●	●	●	●	●	●
H30	●	●	●	●	●	●	●	●
H36	●	●	●	●	●	●	●	●
H42	●	●	●	●	●	●	●	●
H48	●	●	●	●	●	●	●	●
H54	○	○	○	○	○	○	○	○
H60	×	×	×	×	×	×	×	×
H66	×	×	×	×	×	×	×	×

- 注释: 1. 起臂时, 请将履带驱动轮置于车体在后方起臂
2. “●” ——可以起臂。
3. “○” ——需要模块起臂。
4. “×” ——不可起臂, 工况不可使用。

塔式工况(HW)载荷表
Tower Jib (HW) Lifting Load Chart

标准: GB/DIN/ISO
360° 回转
主臂长度:24m
转台配重: 130t
塔臂长度:24m ~ 66m
车身配重: 50t

H24	主臂长度24m Boom length 24m												H24
塔臂长度 (m)	W24			W30			W36			W42			塔臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
12	135.0												12
13	133.0												13
14	131.0			114.0									14
15	122.0			112.0			95.9						15
16	114.0			111.0			94.9						16
17	108.0			105.0			93.8			80.0			17
18	100.0			99.2			92.7			79.3			18
19	93.6			93.2			91.0			78.6			19
20	87.6	83.6		87.2			86.5			77.9			20
22	77.6	74.0		77.2			76.8			76.2			22
24	69.5	66.3		69.1	65.7		68.7			68.2			24
26	62.8	60.0		62.5	59.4		62.1	58.9		61.6			26
28		54.6	52.1	57.0	54.1		56.6	53.7		56.1	53.0		28
30		50.1	47.8	52.2	49.7		51.9	49.2		51.4	48.6		30
32			44.1	48.1	45.8	43.5	47.9	45.4		47.4	44.8		32
34			40.8		42.4	40.3	44.4	42.0		43.9	41.4		34
36					39.4	37.5	41.3	39.1	37.0	40.8	38.5		36
38						35.0	38.5	36.5	34.5	38.1	35.9	33.9	38
40						32.7		34.2	32.3	35.7	33.6	31.7	40
42								32.1	30.3	33.5	31.6	29.7	42
44									28.5	31.5	29.7	28.0	44
46									26.9	28.0	26.3	24.6	46
48										26.4	24.9		48
50											23.5		50
52											22.3		52
倍率(Φ28)	9	6	4	9	5	3	7	4	3	5	4	3	倍率(Φ28)

H24	主臂长度24m Boom length 24m												H24
副臂长度 (m)	W48			W54			W60			W66			副臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
19	66.2												19
20	66.0			53.5									20
22	65.5			52.9			43.5						22
24	64.9			52.4			42.9			35.7			24
28	55.7			51.3			41.8			34.6			28
32	47.0	44.3		46.5			40.8			33.6			32
34	43.5	40.9		43.0	40.3		40.2			33.1			34
36	40.4	38.0		39.9	37.4		39.4	36.9		32.6			36
38	37.7	35.5		37.2	34.9		36.7	34.3		31.7	31.0		38
40	35.3	33.2		34.8	32.6		34.3	32.1		30.2	30.7		40
42	33.1	31.1	29.2	32.6	30.5		32.2	30.0		28.8	29.4		42
44	31.2	29.3	27.4	30.7	28.7		30.2	28.2		27.4	27.6		44
46	29.4	27.6	25.8	28.9	27.0	25.2	28.4	26.5		26.2	25.9		46
50	26.2	24.6	23.1	25.8	24.1	22.4	25.4	23.6	21.9	23.7	23.0		50
52		23.3	21.8	24.4	22.8	21.2	24.0	22.3	20.7	22.6	21.7	20.0	52
54		22.1	20.7	23.2	21.6	20.1	22.8	21.1	19.6	21.3	20.6	18.9	54
56			19.7		20.5	19.1	21.6	20.0	18.5	20.0	19.5	17.9	56
58			18.7		19.5	18.1	20.5	19.0	17.6	18.7	18.5	17.0	58
60					18.5	17.2	19.5	18.1	16.7	17.5	17.5	16.1	60
62						16.4		17.2	15.9	16.4	16.6	15.3	62
66									14.4	14.3	15.1	13.8	66
68									13.7		14.3	13.1	68
70										13.6		12.4	70
72												11.8	72
74												11.2	74
倍率(Φ28)	5	3	2	4	3	2	3	3	2	3	2	2	倍率(Φ28)

注意: 1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
2、表中额定载荷是在水平坚硬地面、重物被缓慢平稳吊起、非行走吊臂工作时的值。
3、表中额定载荷基于主臂臂节不含臂头滑轮组的计算值。

塔式工况(HW)载荷表
Tower Jib (HW) Lifting Load Chart

标准: GB/DIN/ISO
360° 回转
主臂长度:36m
转台配重: 130t
塔臂长度:24m ~ 66m
车身配重: 50t

H36	主臂长度36m Boom length 36m												H36
塔臂长度 (m)	W24			W30			W36			W42			塔臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
13	130.0												13
14	122.0												14
15	114.0			106.0									15
16	107.0			104.0			89.0						16
17	101.0			98.1			88.6						17
18	96.0			92.8			88.0			73.3			18
20	86.6			83.8			81.3			73.2			20
22	77.2			76.3			74.1			71.8			22
24	69.2	63.9		68.7			68.0			66.0			24
26	62.5	57.8		62.2	57.1		61.8			60.9			26
28	56.9	52.7		56.6	52.0		56.3			55.7			28
30		48.3		51.9	47.7		51.6	47.2		51.1			30
32		44.6		47.9	44.0		47.6	43.5		47.1	42.8		32
34		41.2	38.0	44.3	40.8		44.1	40.3		43.6	39.6		34
36			35.3		37.9		41.0	37.5		40.5	36.8		36
38			33.0		35.4	32.3	38.3	35.0		37.8	34.3		38
40			30.8		33.1	30.3		32.7	29.7	35.4	32.1		40
42					28.4			30.7	27.9	33.2	30.1		42
44					26.7			28.9	26.2	31.3	28.4	25.5	44
46					25.2			27.2	24.7		26.7	24.0	46
48									23.3		25.2	22.7	48
50									22.1		23.9	21.4	50
52									20.9			20.3	52
54												19.2	54
56												18.2	56
倍率(Φ28)	9	4	3	7	4	2	6	3	2	5	3	2	倍率(Φ28)

H36	主臂长度36m Boom length 36m												H36
副臂长度 (m)	W48			W54			W60			W66			副臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
20	59.2												20
22	58.9			48.2									22
24	58.7			47.9			39.6			33.2			24
28	55.0			47.2			38.9			32.4			28
32	46.6			46.1			38.1			31.7			32
34	43.2	39.1		42.6			37.8			31.3			34
36	40.1	36.3		39.6	35.6		37.4			30.9			36
38	37.4	33.6		36.9	33.1		36.4			30.5			38
40	35.0	31.6		34.5	30.9		34.0	30.4		30.1			40
42	32.9	29.6		32.3	29.0		31.9	28.4		29.2	27.8		42
46	29.1	26.2		28.6	25.6		28.2	25.1		26.7	24.4		46
48	27.5	24.8	22.1	27.0	24.2		26.6	23.6		25.4	23.0		48
50	26.0	23.4	20.9	25.6	22.8	20.2	25.1	22.3		24.1	21.6		50
52		22.2	19.8	24.2	21.6	19.1	23.8	21.1		22.7	20.4		52
54		21.0	18.7	22.9	20.5	18.0	22.5	19.9	17.4	21.3	19.3		54
56		20.0	17.8	21.1	19.4	17.1	20.9	18.9	16.5	20.0	18.3		56
58			16.9		18.4	16.2	19.5	17.9	15.6	18.8	17.3	14.9	58
60			16.0		17.5	15.4	18.0	17.0	14.8	17.6	16.4	14.1	60
62			15.2		16.6	14.6	16.7	16.2	14.0	16.4	15.6	13.4	62
64					13.9			15.4	13.3	15.2	14.8	12.7	64
68					12.5			13.9	12.0	13.1	13.4	11.4	68
70									11.4		12.7	10.8	70
74									10.3		11.5	9.7	74
76												9.2	76
80												8.3	80
倍率(Φ28)	4	3	2	3	3	2	3	2	2	3	2	1	倍率(Φ28)

注意: 1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
2、表中额定载荷是在水平坚硬地面、重物被缓慢平稳吊起、非行走吊臂工作时的值。
3、表中额定载荷基于主臂臂节不含臂头滑轮组的计算值。

塔式工况(HW)载荷表
Tower Jib (HW) Lifting Load Chart

标准: GB/DIN/ISO		360° 回转		转台配重: 130t		车身配重: 50t									
		主臂长度:48m		塔臂长度:24m ~ 66m											
H48		主臂长度48m Boom length 48m												H48	
塔臂长度 (m)	W24			W30			W36			W42			塔臂长度 (m)		
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)		
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)		
14	113.0												14		
16	100.0			95.4									16		
17	94.5			91.4			77.7						17		
18	89.6			86.6			77.6						18		
19	85.1			82.4			77.4			63.5			19		
20	81.1			78.5			76.1			63.4			20		
22	74.0			71.7			69.6			63.1			22		
24	68.1			65.9			64.0			62.0			24		
26	62.0			61.0			59.2			57.4			26		
28	56.5	50.2		56.1			55.1			53.4			28		
30		46.1		51.5	45.3		51.1			49.8			30		
32		42.5		47.5	41.8		47.1	41.2		46.5			32		
34		39.4		44.0	38.7		43.6	38.2		42.7	37.4		34		
36		36.6			36.0		39.8	35.5		39.1	34.8		36		
38		34.1	30.0		33.6		36.0	33.1		35.7	32.4		38		
40			28.1		31.5		32.6	31.0		32.6	30.3		40		
42			26.3		29.5	25.6		29.1		29.7	28.4		42		
44			24.7			24.1		27.4		27.1	26.7		44		
46			23.3					25.8	22.1	24.6	25.2		46		
48						21.4		24.3	20.9		23.8	20.1	48		
50						20.2				19.7	22.5	19.0	50		
54										17.7	20.1	17.0	54		
56										16.7		16.1	56		
58												15.3	58		
62												13.7	62		
倍率(Φ28)	8	4	2	7	3	2	5	3	2	4	3	2	倍率(Φ28)		

H48	主臂长度48m Boom length 48m												H48
副臂长度 (m)	W48			W54			W60			W66			副臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
22	52.2			43.4									22
24	51.9			43.2			36.2						24
28	49.7			42.7			35.7			30.0			28
32	43.5			39.7			35.1			29.5			32
36	37.5			35.0			32.0			28.7			36
38	34.6	31.8		32.7			30.2			27.3			38
40	31.9	29.7		30.4	29.0		28.4			25.8			40
42	29.3	27.9		28.2	27.1		26.6	26.5		24.4			42
44	27.0	26.2		26.2	25.5		24.8	24.9		23.0	24.2		44
46	24.7	24.6		24.2	24.0		23.1	23.4		21.6	22.7		46
48	22.6	23.2		22.3	22.6		21.5	22.0		20.2	21.3		48
50	20.7	22.0		20.6	21.3		20.0	20.7		18.9	20.0		50
52	18.9	20.8	17.3	18.9	20.1		18.5	19.6		17.6	18.9		52
54		19.7	16.4	17.4	19.1		17.1	18.5		16.4	17.8		54
56		18.7	15.5	15.9	18.1	14.7	15.8	17.5		15.2	16.9		56
58		17.7	14.7		17.1	14.0	14.5	16.6		14.1	15.9		58
60		16.9	13.9		16.3	13.2	13.3	15.8	12.6	13.0	15.1		60
62			13.2		15.5	12.5	12.2	15.0	11.9	12.0	14.3	11.2	62
64			12.6		14.7	11.9		14.2	11.3	11.0	13.6	10.5	64
68			11.3			10.7		12.8	10.1	9.3	12.2	9.4	68
70						10.1		12.2	9.6		11.6	8.9	70
74						9.1			8.6		10.5	7.9	74
78									7.7			7.0	78
80												6.6	80
84												5.9	84
倍率(Φ28)	4	2	2	3	2	1	3	2	1	2	2	1	倍率(Φ28)

注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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臂头滑轮组的计算值。

塔式工况(HW)载荷表
Tower Jib (HW) Lifting Load Chart

标准: GB/DIN/ISO		360° 回转		转台配重: 130t		车身配重: 50t							
		主臂长度:60m		塔臂长度:24m ~ 66m									
HW	主臂长度60m Boom length 60m												HW
塔臂长度 (m)	W24			W30			W36			W42			塔臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
15	91.3												15
17	87.7			75.9									17
19	79.3			74.1			63.7						19
20	75.6			73.0			63.2			53.7			20
22	69.2			67.0			61.9			53.2			22
24	63.8			61.7			57.4			52.2			24
26	58.6			56.1			53.0			48.9			26
28	52.6			50.9			48.6			45.4			28
30	47.2	43.3		46.0			44.5			42.0			30
32		40.0		41.6	39.0		40.6			38.8			32
34		37.0		37.6	36.3		36.9			35.6			34
36		34.4		34.0	33.7		33.6	33.1		32.7			36
38		32.1			31.5		30.5	30.9		29.9	30.1		38
40		30.0			29.5		27.7	28.9		27.3	28.1		40
44			21.7		26.0			25.5		22.8	24.8		44
46			20.5		24.5			24.0		20.8	23.3		46
48			19.3			18.6		22.7			22.0		48
50			18.2			17.5		21.4	16.9		20.8		50
52						16.6		20.3	16.0		19.7		52
54						15.7			15.1		18.6	14.3	54
56						14.8			14.3		17.7	13.5	56
58									13.5		16.7	12.8	58
62									12.2			11.5	62
64												10.9	64
68												9.8	68
倍率(Φ28)	6	3	2	5	3	2	4	3	2	4	2	1	倍率(Φ28)

HW	主臂长度60m Boom length 60m												HW
副臂长度 (m)	W48			W54			W60			W66			副臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
22	45.2												22
24	44.9			38.2									24
26	44.3			37.9			32.3			27.6			26
30	39.0			35.5			31.8			27.2			30
34	33.8			31.4			28.7			25.7			34
38	28.8			27.3			25.3			23.1			38
40	26.6	27.4		25.3			23.7			21.7			40
42	24.4	25.6		23.4	24.7		22.1			20.4			42
46	20.6	22.7		20.0	22.0		19.1	21.2		17.9			46
48	18.8	21.4		18.4	20.7		17.7	20.1		16.6	19.0		48
50	17.2	20.2		16.9	19.5		16.3	18.9		15.4	18.0		50
52	15.7	19.1		15.5	18.4		15.1	17.8		14.3	17.1		52
54		18.1		14.2	17.4		13.9	16.8		13.2	16.1		54
58		16.3	12.2	11.9	15.6		11.7	15.1		11.2	14.4		58
60		15.5	11.5		14.8	10.7	10.7	14.3		10.3	13.6		60
62		14.7	10.9		14.1	10.1	9.7	13.5		9.4	12.8		62
64			10.3		13.4	9.5	8.9	12.8	8.9	8.6	12.2		64
68			9.2		12.1	8.5		11.6	7.9	7.1	10.9	7.1	68
72			8.3			7.6		10.4	7.0		9.8	6.2	72
74						7.1		9.9	6.6		9.3	5.8	74
78						6.3			5.8		8.3	5.1	78
80									5.4		7.9	4.7	80
84									4.7			4.1	84
86												3.7	86
90												3.2	90
倍率(Φ28)	3	2	1	3	2	1	2	2	1	2	2	1	倍率(Φ28)

注意：1、实际起重量必须从本表的额定起重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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臂头滑轮组的计算值。

塔式工况(HW)载荷表
Tower Jib (HW) Lifting Load Chart

标准: GB/DIN/ISO 360° 回转 转台配重: 130t 车身配重: 50t
主臂长度:66m 塔臂长度:24m ~ 66m

HW	主臂长度66m Boom length 66m												HW
塔臂长度 (m)	W24			W30			W36			W42			塔臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
16	79.2												16
18	76.1			66.9									18
19	74.4			65.9			57.5						19
20	72.7			64.9			56.9						20
22	66.3			61.6			55.7			48.5			22
24	60.1			56.5			52.5			47.7			24
26	54.3			51.7			48.6			44.8			26
28	49.1			47.1			44.8			41.7			28
30	44.3			42.8			41.1			38.7			30
32		38.3		38.9			37.6			35.8			32
34		35.7		35.3	34.5		34.4			33.0			34
36		33.2		32.0	32.5		31.4	31.3		30.3			36
40		29.0			28.3		26.1	27.7		25.5	26.7		40
42		27.2			26.6		23.7	26.0		23.3	25.3		42
44					25.0			24.5		21.3	23.7		44
46			18.9		23.5			23.0		19.5	22.3		46
48			17.8		22.2			21.7		17.8	21.0		48
50			16.8			16.0		20.5			19.9		50
52			15.9			15.1		19.4			18.8		52
54						14.3			13.7		17.8		54
56						13.5			13.0		16.9	12.1	56
58						12.8			12.3		16.0	11.5	58
64									10.4			9.7	64
66												9.2	66
70												8.2	70
倍率(Φ28)	5	3	2	5	3	1	4	2	1	3	2	1	倍率(Φ28)

HW	主臂长度66m Boom length 66m												HW
副臂长度 (m)	W48			W54			W60			W66			副臂长度 (m)
主臂角度 (°)	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	主臂角度 (°)
工作半径 (m)	t	t	t	t	t	t	t	t	t	t	t	t	工作半径 (m)
22	41.8												22
24	41.4			35.6									24
26	39.4			35.3			30.4						26
28	38.3			34.6			30.1			25.9			28
32	33.5			30.8			27.9			24.9			32
34	31.2			28.9			26.4			23.7			34
38	26.7			25.2			23.4			21.3			38
40	24.6			23.4			21.9			20.0			40
42	22.7	24.2		21.7			20.4			18.8			42
44	20.8	23.0		20.0	21.8		18.9			17.6			44
48	17.5	20.4		17.0	19.6		16.3	18.6		15.3			48
50	16.1	19.3		15.6	18.6		15.0	17.7		14.1	16.5		50
52	14.7	18.2		14.4	17.5		13.9	16.8		13.1	15.7		52
54		17.3		13.2	16.5		12.7	15.9		12.1	14.9		54
56		16.3		12.1	15.6		11.7	15.0		11.1	14.1		56
58		15.5		11.0	14.8		10.7	14.2		10.2	13.4		58
60		14.7	10.2		14.0		9.8	13.5		9.4	12.7		60
64		13.3	9.1		12.6	8.3	8.1	12.1		7.8	11.4		64
66			8.6		12.0	7.8		11.4	7.1	7.1	10.8		66
70			7.6		10.8	6.9		10.3	6.2	5.7	9.6	5.4	70
72			7.2			6.5		9.8	5.8		9.1	5.1	72
76			6.4			5.7		8.8	5.1		8.1	4.3	76
80						5.0			4.4		7.3	3.7	80
82									4.1		6.8	3.4	82
86									3.5			2.8	86
倍率(Φ28)	3	2	1	3	2	1	2	2	1	2	1	1	倍率(Φ28)

注意: 1、实际起重重量必须从本表的额定起重重量中减去吊钩、吊具及缠绕在吊钩及臂头上的钢丝绳的重量。
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臂头滑轮组的计算值。
4、起臂必须使用斜楔块辅助起臂。

说明：

- 表中额定起重重量，指在给定的臂架长度、工作幅度条件下，重物自由悬挂，在坚实、平坦地面作业所能保证的最大起重重量。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）限制或降低起重机的起重重量。
- 表中额定起重重量包括吊钩、钢丝绳、和其它所有吊具的重量。
- 表中没有列出额定值的空白区，不允许将起重机用于该区所对应的起重作业。

Notes：

- The total rated lifting loads shown in above tables are the max. lifting capacity based on the condition that crane set up on firm and level ground with given boom length, radius and load, crane operator shall limit or reduce lifting loads according to variable working conditions (soft or uneven ground, wind, side loading, slewing action, lifting with one more cranes).
- The total rated lifting loads include the weight of hook block, wire rope and other slings.
- The blank area in above tables means crane operation is not allowed corresponding to these areas.