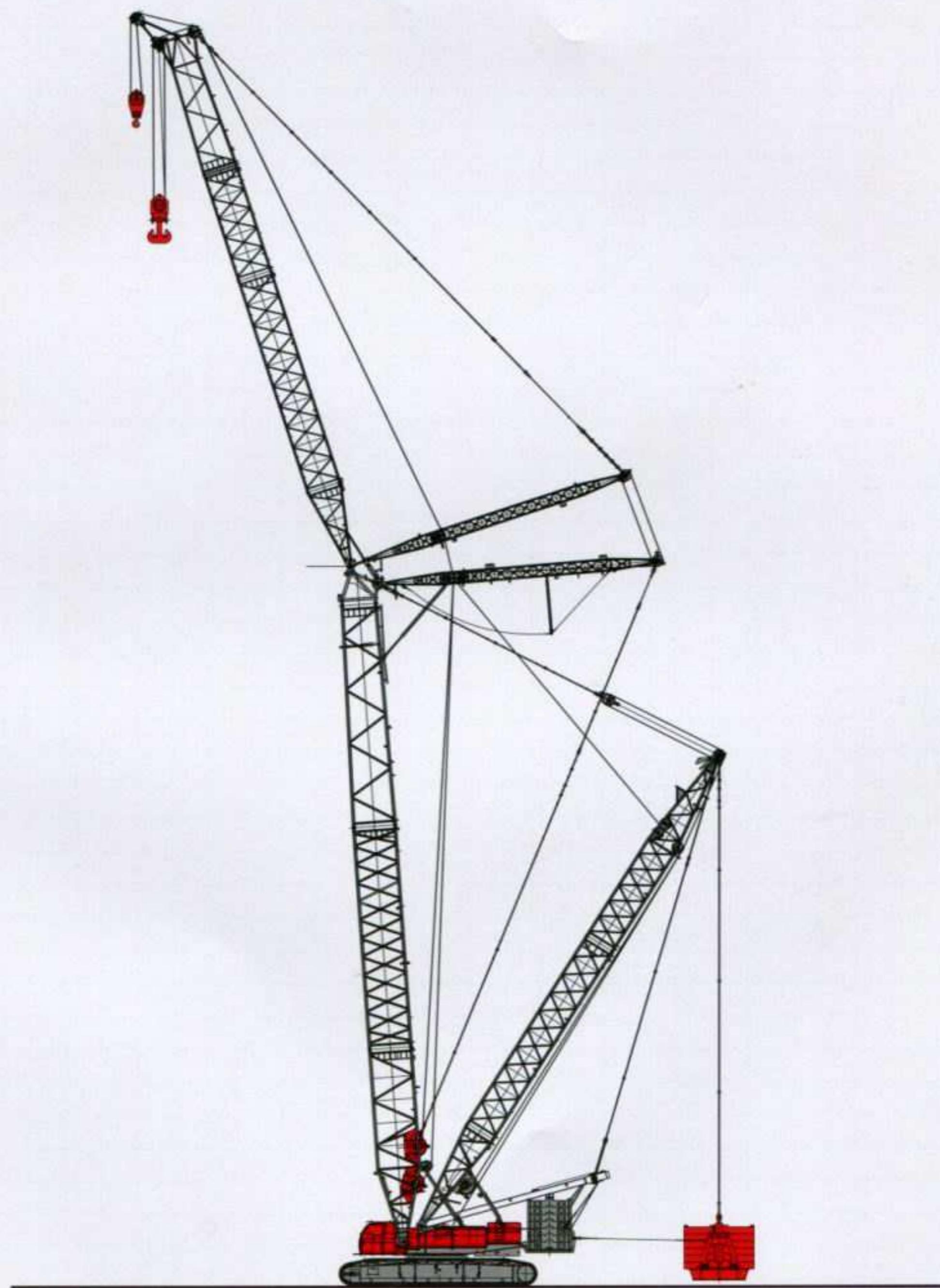


**液压式履带起重机**  
HYDRAULIC CRAWLER CRANE  
**QUY400A**



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## 安全装置

**钩上限位和臂架防倾装置** 吊钩和臂架防过卷装置是用于防止因过卷导致的机器损坏或后翻事故。

**钩上限位装置** 当起重钩提升到一定高度时, 将重锤托起, 则微动开关由弹簧复位, 开关接点断开, 控制继电器线圈断电, 继电器触点断开, 使蜂鸣器报警, 报警指示灯闪亮, 同时控制器锁定起重钩的提升, 起重钩提升动作自动停止。

**臂架防倾装置** 臂上限角度显示是由力矩限制器角度传感器检测的, 控制信号由力矩限制器和臂架防倾同时检测发出, 采取谁先谁有效原则。

a. 主臂起重工况时

当主臂 $\geq$ 上限位角度84° 时, 力矩限制器声光连续报警, 输出限制信号给PLC。同时主臂84° 上限位开关动作, 输出限制信号给PLC; PLC输出控制信号, 控制主变幅卷扬停止动作, 锁定主臂停止升臂。

b. 塔式工况时

当塔式主臂 $\geq$ 上限位角度86° 时, 力矩限制器声光连续报警, 输出限制信号给PLC。同时主臂86° 上限位开关动作, 输出限制信号给PLC; PLC输出控制信号, 控制主变幅卷扬停止动作, 锁定塔式主臂停止升臂。

当塔臂=上限位角度72° 时, 力矩限制器声光连续报警, 输出限制信号给PLC。同时主臂72° 上限位开关动作输出限制信号给PLC; PLC输出控制信号, 控制塔变幅卷扬停止动作, 锁定塔臂停止升臂。

c. 超起工况时

当超起桅杆 $\geq$ 122.25° 时, 力矩限制器声光连续报警, 输出限制信号给PLC, 同时超起桅杆122.25° 上限位开关动作, 输出限制信号给PLC; PLC输出控制信号, 控制主变幅卷扬停止动作锁定超起桅杆停止升臂。

**力矩限制器**

限制器对起重机作业进行实时监控, 在各种工况下, 通过按键设置工况参数。

当额定起重力矩的0%  $\leq$  起重力矩 < 额定起重力矩的90% 时, 力矩限制器显示屏上, 力矩百分比条形码绿色点亮, 限制器无声音报警。

当额定起重力矩的90%  $\leq$  起重力矩 < 额定起重力矩的100% 时, 力矩限制器显示屏上, 力矩百分比条形码黄色预警, 同时限制器发出声音断续报警。

当额定起重力矩的100%  $\leq$  起重力矩 < 额定起重力矩的105% 时, 力矩限制器显示屏上, 力矩百分比条形码红色报警, 同时限制器发出声音连续报警。

当起重力矩 $\geq$ 额定起重力矩的105% 时, 力矩限制器显示屏上, 力矩百分比条形码红色报警, 限制器发出声音连续报警, 同时输出信号, 主、副钩停止提升。主臂、塔臂停止增幅动作。

**负载率指示灯**

为了便于现场人员了解机械载荷情况, 采用了与交通信号相同的3色负载率指示灯。同时配备了司机与吊装指挥人员联系用的对讲机。

**风速仪**

风速仪—主臂架顶部的风速传感器装置用于检测风速, 力矩限制器显示风速。

**航标灯**

臂架顶部装有太阳能航标灯。

**制动器和锁定装置**

**制动器:** 本起重机设有主、副提升卷筒制动器和主、副变幅卷筒制动器, 设有回转制动器。

**拉力传感器, 角度传感器**

在主臂、塔臂拉板上安装有拉力传感器, 用于检测拉力, 通过力矩限制器计算并显示吊载的重量。

主臂、塔臂、超起桅杆、桅杆根部以及主臂、塔臂头部装有角度传感器, 用于检测主臂、塔臂、超起桅杆、桅杆的角度以及臂架的挠度。

**水平仪**

该装置用于检测机体与水平地面的角度, 用来保证机器工作地面符合要求。

**卷筒过放保护(三圈半保护)**

主、副卷筒、副臂变幅、超起变幅分别安装有三圈半保护装置, 用来避免卷筒放绳时产生过放现象。

**回转、行走报警**

回转、行走时蜂鸣器发出报警声。

## Safety Device

Hook upper limit and boom over-hoist prevention devices	Hook and boom over-hoist prevention devices are used for preventing the crane from being damaged or collapsed backward
Hook upper limit device	When the hook lifts up to certain height and touches the plumb, the limit switch shall be disengaged by the reposition spring, and then the switch cuts off the control circuit. The control relay makes the buzzer alarm and the indicator lights up. At the same time, the rise of the hook will stop automatically.
Boom over-hoist prevention devices	<p>The boom upper limit angle is controlled by the angle sensors. Control signal are sent out by load moment limiter and boom backstops.</p> <p>a. With boom When boom angle is more than 84°, moment limiter will continuously alarm and send out the signal to PLC. 84° upper limit switch is actuated and sends out the limit signal to PLC. The rise of the boom will stop.</p> <p>b. With luffing jib When boom angle is more than 85°, moment limiter will continuously alarm and send out the signal to PLC. 85° upper limit switch is actuated and sends out the limit signal to PLC. The rise of boom will stop. When luffing jib angle is 72°, moment limiter will alarm continuously and send out the signal of danger to PLC. 72° luffing jib upper limit angle also sends out signal to PLC. The rising of luffing jib will stop.</p> <p>c. With superlift When the boom angle is more than 85°, moment limiter will continuously alarm and send out the signal to PLC. 85° upper limit switch is actuated and sends out the limit signal to PLC. The rise of boom will stop. When superlift mast angle is more than 122.25°, moment limiter will continuously alarm and sends out the signal to PLC. 122.25° superlift mast upper limit switch is actuated and sends out the limit signal to PLC. The rise of boom and the rise of superlift mast will also stop.</p>
Moment limiter	<p>The device monitors the work of the crane. You can press the key to set the parameters of all working conditions.</p> <p>When the actual load is less than 90% of rated load, the screen shows load proportional bar in green color, and no warning alarm from the safe load indicator.</p> <p>When the actual load exceeds 90% of rated load while is less than 100% of rated load, the screen shows yellow color and an intermittent warning alarm sounds</p> <p>When the actual load exceeds 100% of rated load while less than 105% of rated load, the monitor screen shows red color and the safe load indicator gives continuous warning alarm, and output control signal.</p> <p>When the actual load exceeds 105% of rated load, the monitor screen shows red color and gives out a continuous warning alarm, at the same time the safe load indicator put out control signal to stop the hoisting action of main and auxiliary hooks and boom.</p>
Three-color load indicator	Installed on the crane in order to inform the personnel on site of the current situation, the driver and the signal personnel are equipped with the interphone for the convenience of contact each other.
Anemometer	Installed on the top of boom to test wind speed; the safe load indicator in the cabin will display the wind speed.
Pharos	Solar-energy pharos is installed on the boom top.
Brakes and locking devices	<p><b>Brakes:</b> the brakes on the main and aux. drums, main and auxiliary derricking drums and slewing brake.</p> <p><b>Locking devices:</b> main and auxiliary winch pawls, main and auxiliary derricking drum pawls and superlift derricking drum pawls and slewing locking device</p>
Pull sensor and angle sensor	<p>Load sensors are installed on the bracing rods to test the load of boom, luffing jib and superlift mast. Safe load indicator in the cabin will show the actual load.</p> <p>Angle sensors are installed on the foot of boom, luffing jib and superlift mast and on the top of boom and luffing jib.</p>
Level gauge	Used for testing the angle between the machine and the ground to ensure the conditions of the ground meet the requirements.
Rope retainer	The device is installed to the main and auxiliary hoisting winch to ensure at least three and a half rotation wire rope be kept on the winch to guarantee safe operation of the machine.
Swing and traveling alarm	The buzzer alarms.



## 详细说明

## 上车结构

## 发动机

康明斯QSM11六缸水冷柴油机，功率298kW，额定转速2100rpm，符合U.S.EPA Tier3, EU Stage III 排放标准。配有一个650升柴油燃油箱，在司机室内有油面指示器。

## 控制系统

电比例控制手柄通过储存的各种操作程序进行控制操作，包括诊断系统。可通过触摸屏对双色显示器和安全力矩控制器进行操作。工作速度可通过控制拉杆位置无级变速。自动动力控制可优化使用发动机输出功率。采用力士乐公司的RC控制器和显示器、进口编码器、力矩限制器和监视系统，数据之间的传输采用Can-Bus总线技术，提高了系统的可靠性。

## 液压系统

电比例控制开闭式结合液压系统，液压系统由三部分组成：主回路系统，控制系统和辅助系统。主要液压元件采用力士乐产品。力士乐系统负载敏感LUDV系统，可以实现与负载无关的流量分配，采用电比例先导控制，操作灵敏，微动性好。系统有800升的液压油箱，独立液压油冷却系统。

## 提升卷扬装置

标准起重机配有两个提升卷扬，即主提升卷扬、副提升卷扬。

博世力士乐变量马达驱动行星减速机，控制卷扬的升降。卷扬速度可根据用户需要无极调速，内藏式减速机使起升装置结构紧凑，方便拆装。

## 主、副提升装置

卷筒直径：650mm

工作层数：0-7

最大绳速：145m/min

钢丝绳直径：28mm

钢丝绳长度：800m

## 变幅卷扬装置

标准配置有主变幅、塔臂变幅装置；超起配置有超起变幅装置。(为选用配置)

由变量液压马达通过密闭的行星减速装置提供动力并独立驱动，内藏式减速机使起升装置结构紧凑，方便拆装。所有钢绳卷扬配有弹簧制动，液压弹簧多片制动。

## 主变幅装置

卷筒直径：610mm

工作层数：0-7

最大绳速：35m/min × 2

钢丝绳直径：26mm

钢丝绳长度：240m × 2。

## 塔臂变幅装置

卷筒直径：630mm

工作层数：0-7

最大绳速：72 m/min

钢丝绳直径：26mm

钢丝绳长度：550m。

## 超起变幅装置

卷筒直径：630mm

工作层数：0-7

最大绳速：108 m/min

钢丝绳直径：26mm

钢丝绳长度：750m。

## 回转系统

回转部分采用闭式液压系统，双马达通过密闭的油浴行星减速机驱动，回转平稳无冲击，在0-1.3rpm范围无极调速；具有中位自由滑转功能。

## 配重

下车压重：41吨，共4块。

主机后配重：160吨，14块配重，1个托架。

超起配重：250吨，24块配重，1个托架。

## 司机室

完全封闭的钢框架结构设计，室内底噪音。舒适宽敞的驾驶室配有大风挡玻璃和空调，顶窗，各种显示仪表和起重机控制装置，灭火器，通风装置和CD机等。符合人机工程学的司机座椅和操作手柄。司机室可上仰20度，增加操作者的臂杆控制视野。安装了摄像头便于观察卷扬装置的工作情况。驾驶室可水平旋转至上车前方，减少运输宽度。

## 下车结构

下车由车体、两条履带装置三部分组成。车体和履带架采用动力销连接，安装和拆卸简便容易。

## 车体

用来连接回转平台和履带装置，由高强钢板焊接而成箱式结构，具有良好的抗弯、抗扭性能。

## 履带装置

履带架采用高强钢板焊接制成，履带板由高强度合金铸钢制成，在每边有14个经表面硬化处理过的支重轮。左右履带行走装置共有156块履带板，履带板宽度为1200mm，履带的张紧程度可以通过油缸进行调节，通过调节垫片，达到理想的张紧度。自动集中润滑系统方便维护保养。

## 驱动

驱动形式由四个变量液压马达通过两个密闭的行星齿轮减速装置提供动力，装有弹簧的液压常闭制动系统。可实现两档速度，在每档内可实现无级变速，高速0-1.2Km/h，低速0-0.4Km/h，运行平稳。

## 作业设备

## 臂架组合

臂架采用进口高强钢管，空间桁架结构设计，有重主臂工况、重主臂工况+超起桅杆、重主臂工况+超起桅杆+超起配重、重轻混合主臂工况、重轻混合主臂工况+超起桅杆+超起配重、塔式工况、塔式工况+超起桅杆、塔式工况+超起桅杆+超起配重。

## 重主臂工况 (H)

主臂：由主臂10.5米基础臂节，主臂12米和6米中间臂节，主臂12米变径节，主臂1.5米臂头组成。

主臂长度：24米—84米。

## 重主臂工况+超起桅杆 ( HS )

臂节的组成与重主臂工况相同。

超起装置：超起桅杆30米，包括6米基础臂节，12米中间臂节和12米顶部臂节。

主臂长度：30米—96米。

## 重主臂工况+超起桅杆+超起配重 ( HSD )

臂节的组成与重主臂工况相同。

超起装置：超起桅杆30米，超起配重0-250吨，超起半径11m-15m。

主臂长度：30米—96米。

## 重轻混合主臂工况 ( H/L )

重轻混合臂：由主臂10.5米基础臂节，主臂12米和6米中间臂节，12米变径臂节，塔臂12米和6米中间臂节，塔臂7.5米顶部臂节组成。

主臂长度：42米—108米。

重轻混合主臂工况+超起桅杆+超起配重 ( HSD/L )

臂节的组成与重轻混合主臂工况相同。

超起装置：超起桅杆30米，超起配重0-250吨，超起半径11m-15m。

主臂长度：78米—126米。

## 塔式工况 ( HT )

主臂：由主臂10.5米基础臂节，主臂12米和6米中间臂节，主臂12米变径臂节，主臂1.5米臂头组成。

塔臂：由塔臂4.5米基础臂节，塔臂12米和6米中间臂节，塔臂7.5米顶部臂节组成。

主臂长度：30米—72米；

塔臂长度：24米—72米；

最大组合长度（主臂+塔臂）：72米+72米。

## 塔式工况+超起桅杆 ( HTS )

臂节的组成与塔式工况相同。

超起装置：超起桅杆30米。

主臂长度：36米—90米；

塔臂长度：30米—90米；

最大组合长度（主臂+塔臂）：90米+84米。

## 塔式工况+超起桅杆+超起配重 ( HTSD )

臂节的组成与塔式工况相同。

超起装置：超起桅杆30米，超起配重0-170吨，超起半径11m-15m。

主臂长度：36米—90米；

塔臂长度：30米—90米；

最大组合长度（主臂+塔臂）：90米+84米。

## 吊钩

类型	起升能力	最大倍率	自重
200t × 2	400t	2 × 17	6800kg
100t	100t	7	2900kg
50t	50t	3	1500kg
15t	15t	1	700kg

注：一个400t双滑轮组吊钩可以转换为200t单滑轮组吊钩。

## 工况符号注解

1. 重主臂工况：H

2. 重主臂工况+超起桅杆：HS

3. 重主臂工况+超起桅杆+超起配重：HSD

4. 重轻混合主臂工况：H/L

5. 重轻混合主臂工况+超起桅杆+超起配重：HSD/L

6. 塔式工况：HT

7. 塔式工况+超起桅杆：HTS

8. 塔式工况+超起桅杆+超起配重：HTSD

## Specifications

### Superstructure

#### The engine

Model: QSM11 diesel engine from Cummins, 6 cylinders and water-cooling.

Rated power: 298kw/2100rpm.

The diesel engine conforms to Tier3/EU Stage III.

The engine is equipped with 650 litre diesel oil tank there is a fuel level indicator inside the cabin.

#### Control system

Electronic proportional valve pilot control integrated in stored-program control system including diagnostics, color monitors, safe load indicator operated via a touch screen. Working speeds infinitely variable controlled by the level position. Automatic power control for optimal utilization of engine output, the CAN-BUS technology applied on the signal transmission between Rexroth RC controller and display, imported encoder, safe load indicator and monitoring system greatly improves the reliability of the system.

#### Hydraulic system

The system consists of main return-way system, control system and auxiliary system. The hydraulic valves and pumps are imported from Germany Rexroth. The load-sensing LUDV system can control the flow distribution of the whole system. The electronic proportional valve pilot valve control applied on the system offers the flexibility and smooth operation. The pressure of whole hydraulic system is 35Mpa.

The hydraulic oil tank with the capacity of 800L is equipped with independent cooling system of hydraulic oil.

#### Hoisting drum device

The normal device has two hoisting drum devices: main hoisting drum device, aux. hoisting drum device. Aux. hoisting drum device is optional for customers.

These hoisting drums are driven by displacement hydraulic motor through the airtight planetary gear from Rexroth units running in oil bath. The internal gear units make the structure compact and easy to assemble and disassemble. All derricking drums have wet chip normally closed brake.

#### Hoisting devices

Drum diameter 650mm

Rope speed 0~145m/min

Rope diameter 28mm

Rope length 800m

#### Derricking drums device

Standard configuration: main derricking, luffing jib derricking, superlift derricking. (optional configuration).

These hoisting drums are driven by hydraulic motor through the planetary gear units running in oil bath. The internal gear units make the structure compact and easy to assemble and disassemble. All derricking drums have wet chip normally closed brake.

#### Main derricking device

Drum diameter 610mm

Working level : 0-7

Max.rope speed: 35m/min 2

Rope diameter 26mm

Rope length 240m × 2

#### Luffing jib derricking device

Drum diameter: 630mm

Working level: 0-7

Max.rope speed : 72m/min

Wire rope diameter : 26mm

Wire rope length : 550m

#### Superlift derricking device

Drum diameter 630mm

Working level : 0-7

Max.rope speed: 108m/min

Rope diameter 26mm

Rope length 750m

#### Slewing system

The swing system adopts closed hydraulic system, two motors are powered through closed planetary reduction units running oil path. Slewing is smooth without impact, timing is within 0-1.3rpm with free trackslip in neutral position.

#### Counterweight

Central ballast 41t, 4 pieces in total

Rear counterweight 160t, 14 pieces and 1 tray

Superlift counterweight 250t, 24 pieces and 1 tray

#### The cab

Fully closed and steel-frame structure, low noise inside the cabin, spacious and comfortable cabin equipped with large front and roof window, all kinds of instruments and crane controls, fire extinguisher, ventilation device and CD player, as so on. The driver's seat and control joysticks conform to the requirements of Ergonomics. The cabin can be tilted upward by 20° to enlarge the driver's view. Camera system is equipped for monitoring the rope drums. The cabin can be positioned in front of superstructure to minimize the width for transportation.

### Undercarriage

Undercarriage consists of lower frame and two crawlers device. Lower frame and two crawlers frame are connected with hydraulic pins for the convenience of assembly and disassembly.

#### Lower frame

Used for connecting slewing platform and two crawler side frames. Bending and torsion-resistant welded structure fabricated by high-strength box-structure alloy steel.

#### Crawlers

Bending and torsion-resistant welded structure fabricated by high-strength fine-grain structural steel. Left and right track device are equipped with 14 track rollers that treated on surface hardening, 156 pieces of left and right track shoes are made of heat-treated high-strength cast steel with the width of 1200mm. The tension of track shoe can be adjusted by adjusting the cylinder to add/reduce the shims until the track shoe has the ideal position.

#### Crawler drive

Drive parts can be divided by four parts, Each crawler is driven by variable four hydraulic motors through closed planetary gear reduction units running in oil bath, equipped with spring-applied and hydraulically released holding brakes. Each crawler has the function of infinite variable. The max.traveling speed is 0-1.2 Km/h, low speed 0-0.4Km/h, which operation is smooth.

### The attachment

#### Boom combinations

Booms are adopted by import high strength steel tube and space girder structural design: Heavy boom, heavy boom+superlift mast, heavy boom + superlift mast + superlift counterweight, heavy-light boom combination, heavy-light boom combination + superlift mast + superlift counterweight, luffing jib, luffing jib + superlift mast, luffing jib + superlift mast+ superlift counterweight.

#### Heavy boom duty (H)

Boom length: 24m-84m

Boom section: 10.5m boom foot, 12m and 6m boom

intermediate section, 12m tapered section and 1.5m boom head

#### Heavy boom + superlift mast (HS)

Boom length : 30m ~ 96m

Superlift device: Superlift mast 30m, including 6m, boom foot, 12m and 6m intermediate section and 12m top section.

#### Heavy boom+superlift mast+superlift counterweight (HSD)

Boom length : 30m ~ 96m

Superlift device : Superlift mast 30m, superlift counterweight 0-250t, superlift radius 11m-15m.

#### Heavy-light boom (H/L)

Boom length : 42m ~ 108m.

Heavy-light section combination : 10.5m boom foot, 12m and 6m boom intermediate section, 12m tapered section, 12m and 6m luffing jib intermediate section and 7.5m luffing jib top section.

#### Heavy-light boom + superlift mast+ superlift counterweight (HSD/L)

The composing of section is same with heavy-light combination boom.

Boom length: 78m ~126m.

Superlift device : Superlift mast 30m, superlift counterweight 0-250t, superlift radius 11m-15m.

#### Luffing jib (HT)

Boom length : 30m ~ 72m, Luffing jib length : 24m~72m.

Max.combination length (boom + luffing jib): 72m + 72m. Boom section: 10.5m boom foot, 12m and 6m boom intermediate section, 12m tapered section and 1.5m boom head

Luffing jib: 4.5m luffing jib foot, 12m and 6m luffing jib intermediate section , 7.5m luffing jib top section.

#### Luffing jib+ superlift mast+ superlift counterweight (HTS)

The composing of section is same with luffing jib.

Boom length: 36-90m; Luffing jib length: 24-96m.

Max.combination length (boom + luffing jib): 90m +84m. Superlift device: Superlift mast 30m, superlift counterweight 0-170t, superlift radius 11m-15m.

#### Luffing jib+ superlift mast (HTS)

The composing of section is same with luffing jib.

Boom length: 36-90m; Luffing jib length: 30-90m.

Superlift device: Superlift mast 30m.

Max.combination length (boom + luffing jib): 90m + 84m.

#### Hook blocks

Type	Lifting capacity	Max.pars of line	Deadweight
2×20t	400t	2×17	6800kg
100t	100t	7	2900kg
50t	50t	3	1500kg
15t	15t	1	700kg

Note: One 400t double hook blocks can be converted into one 200t single hook blocks.

#### Notes for symbols of working conditions

1. Heavy boom: H

2. Heavy boom +superlift mast: HS

3. Heavy boom +superlift mast+superlift counterweight: HSD

4. Heavy and light boom: H/L

5. Heavy and light boom+superlift mast+superlift counterweight: HSD/L

6. Luffing jib: HT

7. Luffing jib+superlift mast: HTS

8. Luffing jib+superlift mast+superlift counterweight: HTSD

## 工况符号 The symbols of working conditions



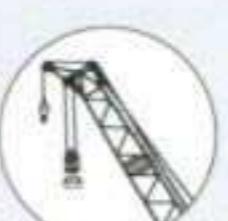
H工况  
H



HS,HSD工况  
HS,HSD



H/L工况  
H/L



HSD/L工况  
HSD/L



HT工况  
HT



HTS,HTSD工况  
HTS,HTSD



05

## 臂杆组合

Boom Combination

### 重主臂工况(H)

最大起重量: 400吨×5米

最大臂杆长度: 84米

### Heavy boom(H)

Max.lifting capacity: 400t × 5m

Max.boom length: 84m

### 主臂工况 + 超起桅杆(HS)

最大起重量: 368吨×7米

最大臂杆长度: 96米

### Boom+superlift mast(HS)

Max.lifting capacity: 368t × 7m

Max.boom length: 96m

### 主臂工况 + 超起桅杆 + 超起配重(HSD)

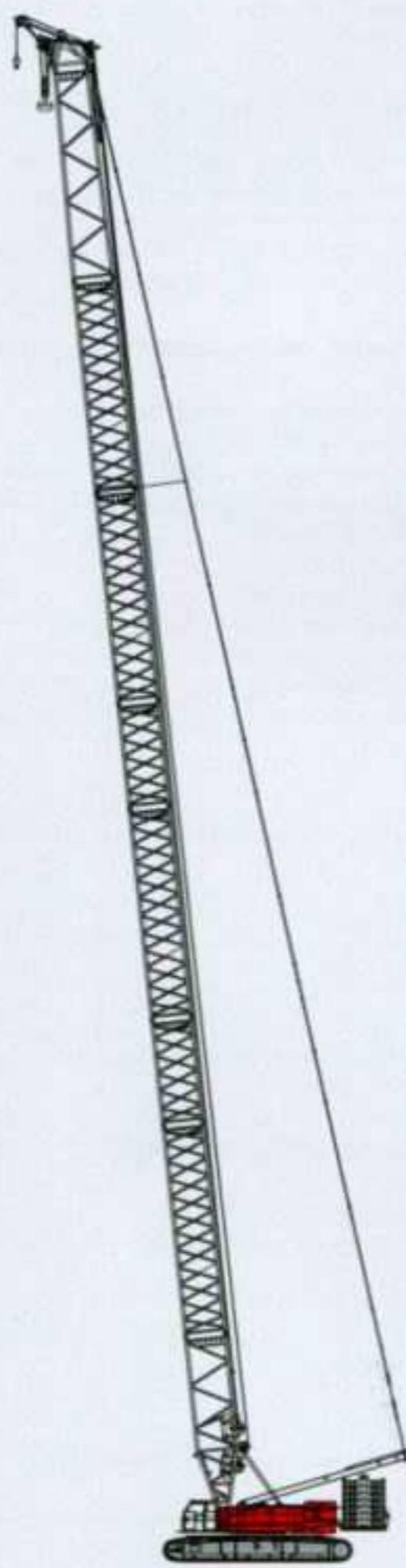
最大起重量: 400吨×8米

最大臂杆长度: 96米

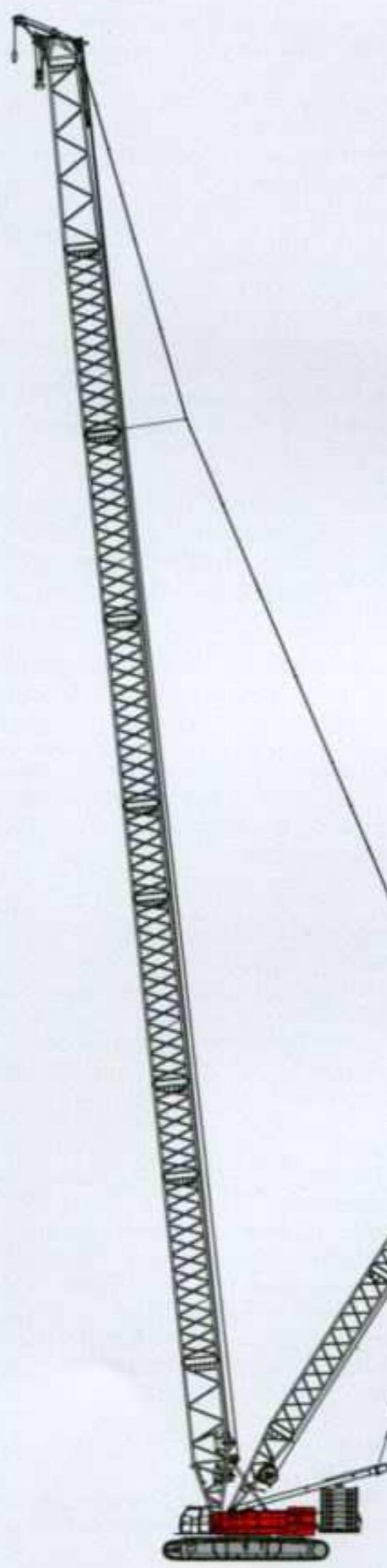
### Boom+superlift mast+ superlift counterweight(HSD)

Max.lifting capacity: 400t × 8m

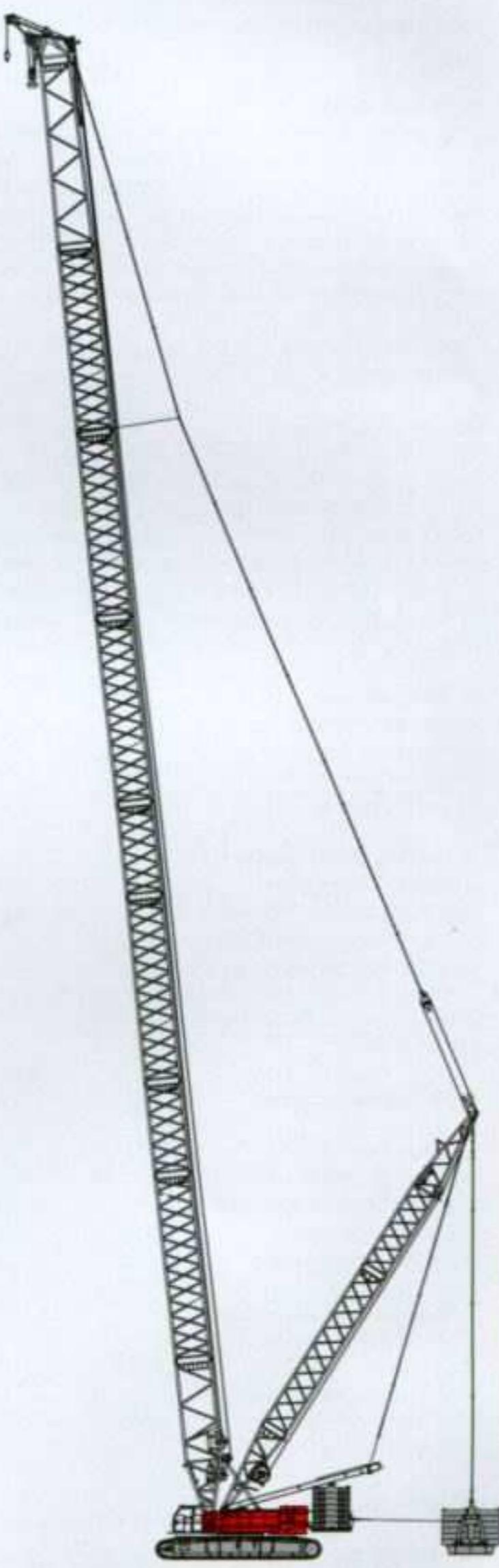
Max. boom and jib combination: 96m



主臂 Boom  
24m-84m



主臂 Boom  
30m-96m



主臂 Boom  
30m-96m

## 臂杆组合

## Boom Combination

### 重轻混合主臂工况(H/L)

最大起重量: 180吨×10米

最大臂杆长度: 108米

### Heavy-light boom combination

Max.lifting capacity: 180t × 10m

Max.boom length: 108m



**主臂** Boom  
42m-108m

### 重轻混合主臂工况 + 超起桅杆 +

### 超起配重(HSD/L)

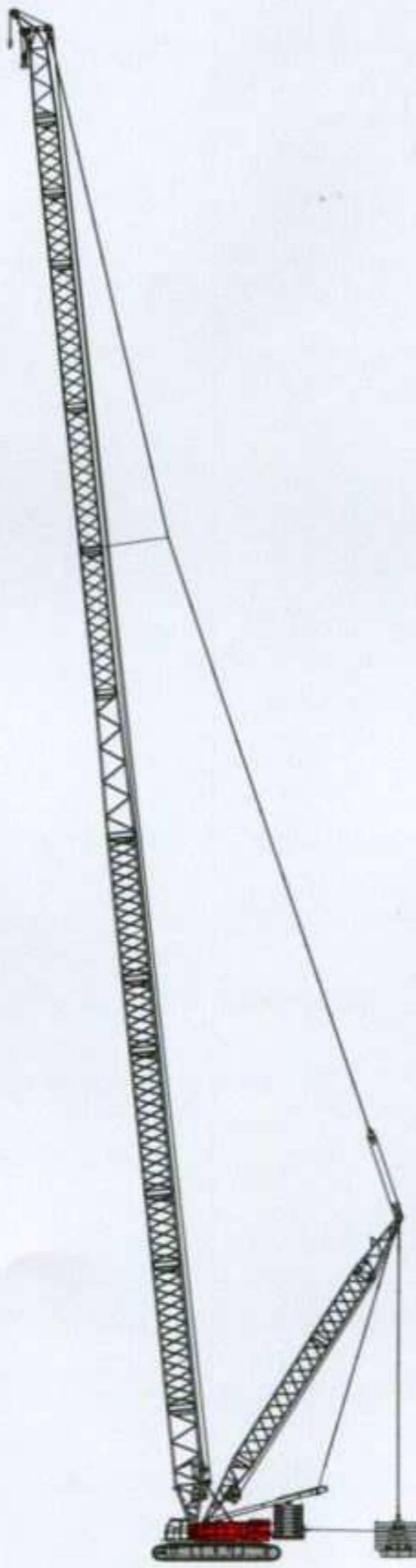
最大起重量: 139吨×12米

最大臂杆长度: 126米

### Heavy-light boom combination+ superlift mast+ superlift counterweight(HSD/L)

Max.lifting capacity: 139t × 12m

Max.boom length: 126m



**主臂** Boom  
78m-126m



## 臂杆组合

## Boom Combination

### 塔式工况(HT)

最大起重量: 139.8吨×14米  
最大臂杆组合: 72米+72米

### Luffing jib(HT)

Max.lifting capacity: 139.8t × 14m  
Max.boom length: 72m+72m

### 塔式工况 + 超起桅杆(HTS)

最大起重量: 125.6吨×16米  
最大臂杆组合: 90米 + 84米

### Luffing jib+ superlift mast(HTS)

Max.lifting capacity: 125.6t × 16m  
Max.boom length: 90m+84m

### 塔式工况 + 超起桅杆 + 超起配重(HTSD)

最大起重量: 154.1吨×16米  
最大臂杆组合: 90米 + 84米

### Luffing jib+superlift mast + superlift counterweight(HTSD)

Max.lifting capacity: 154.1t × 16m  
Max. boom and jib combination:  
90m+84m



主臂 Boom | 塔臂 Boom  
30m-72m | 24m-72m



主臂 Boom | 塔臂 Boom  
36m-90m | 30m-90m



主臂 Boom | 塔臂 Boom  
36m-90m | 30m-90m

## 主要技术参数

项 目		参 数	
非 超 起 工 况	重主臂	最大额定起重量(t)	400(5m工作幅度)
		长度(m)	24~84
	重轻混合主臂	最大额定起重量(t)	180(10m工作幅度)
		长度(m)	42~108
	塔式	起重量(t)	139.8(14m工作幅度)
		主臂长度(m)	30~72
		塔臂长度(m)	24~72
超 起 工 况	超起桅杆	长度(m)	30
		回转半径(m)	11、13、15
	超起配重	重量(t)	0~250
		回转半径(m)	11、13、15
	重主臂	最大额定起重量(t)	400(8m工作幅度)
		长度(m)	30~96
	重轻混合主臂	最大额定起重量(t)	139(12m工作幅度)
		长度(m)	78~126
	塔式	起重量(t)	154.1(16m工作幅度)
		主臂长度(m)	36~90
		塔臂长度(m)	30~90
吊钩配置(t)		15/50/100/400(200×2)	
作 业 性 能	主、副提升速度(m/min)		0~145
	主变幅速度(m/min)		(0~35)×2
	塔臂变幅速度(m/min)		0~72
	超起变幅速度(m/min)		0~108
	回转速度(r/min)		0~1.3
	行走速度(km/h)		0~1.2/0~0.4
整机质量(基本臂、140吨配重、40吨压重、带400吨钩)		325吨	
主臂变幅角度(°)	30~84	接地比压(MPa)	0.136
塔臂变幅角度(°)	15~72	塔式主角度(°)	66、76、86
最大起重力矩(t·m)	带超起装置5100		
发动机	型号	康明斯QSM11柴油机	
	功率(kw)	298	
	转速(rpm)	2100	

Descriptions		Data	
Without superlift	Heavy boom	Max.lifting capacity(t)	400(5m working radius)
		Length(m)	24~84
	Heavy and light boom	Max.lifting capacity(t)	180(10m working radius)
		Length(m)	42~108
	Luffing jib	Max.lifting capacity(t)	139.8(14m working radius)
		Boom length(m)	30~72
		Luffing jib length(m)	24~72
With superlift	Superlift mast	Length(m)	30
		Swing radius(m)	11、13、15
	Superlift counterweight	weight(t)	0~250
		Swing radius(m)	11、13、15
	Heavy boom	Max.lifting capacity(t)	400(8m working radius)
		Length(m)	30~96
Working capacity	Heavy and light boom	Max.lifting capacity(t)	139(12m working radius)
		Length(m)	78~126
	Luffing jib	Max.lifting capacity(t)	154.1(16m working radius)
		Boom length(m)	36~90
		Luffing jib length(m)	30~90
Hook block		15/50/100/400(200×2)	
Whole crane mass (Boom foot, 140t counterweight, 40t central ballast with 400t hook)	Main/aux.hoisting speed(m/min)		0~145
	Main derrick speed(m/min)		(0~35)×2
	Luffing jib derrick speed(m/min)		0~72
	Superlift derrick speed(m/min)		0~108
	Slewing speed(r/min)		0~1.3
	Traveling speed(km/h)		0~1.2/0~0.4
Boom derrick angle(°)		Ground pressure(MPa)	0.136
Luffing jib derrick angle(°)		Luffing boom angle(°)	66、76、86
Max.lifting moment(t·m)		With superlift device 5100	
Engine	Model	Cummins QSM11 diesel engine	
	Power(kw)	298	
	Rev.(rpm)	2100	

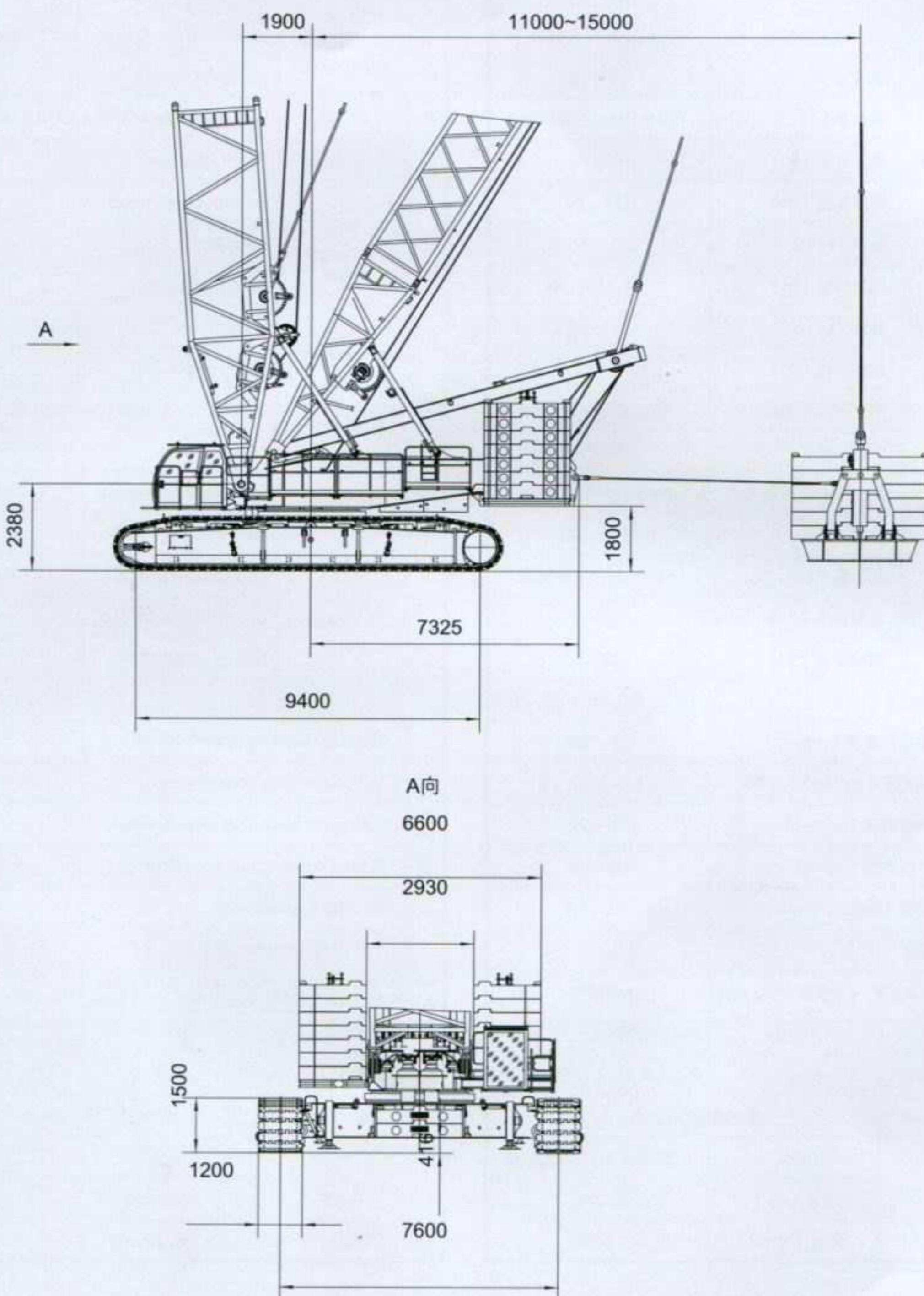


09

## 总体尺寸

Overall Dimensions

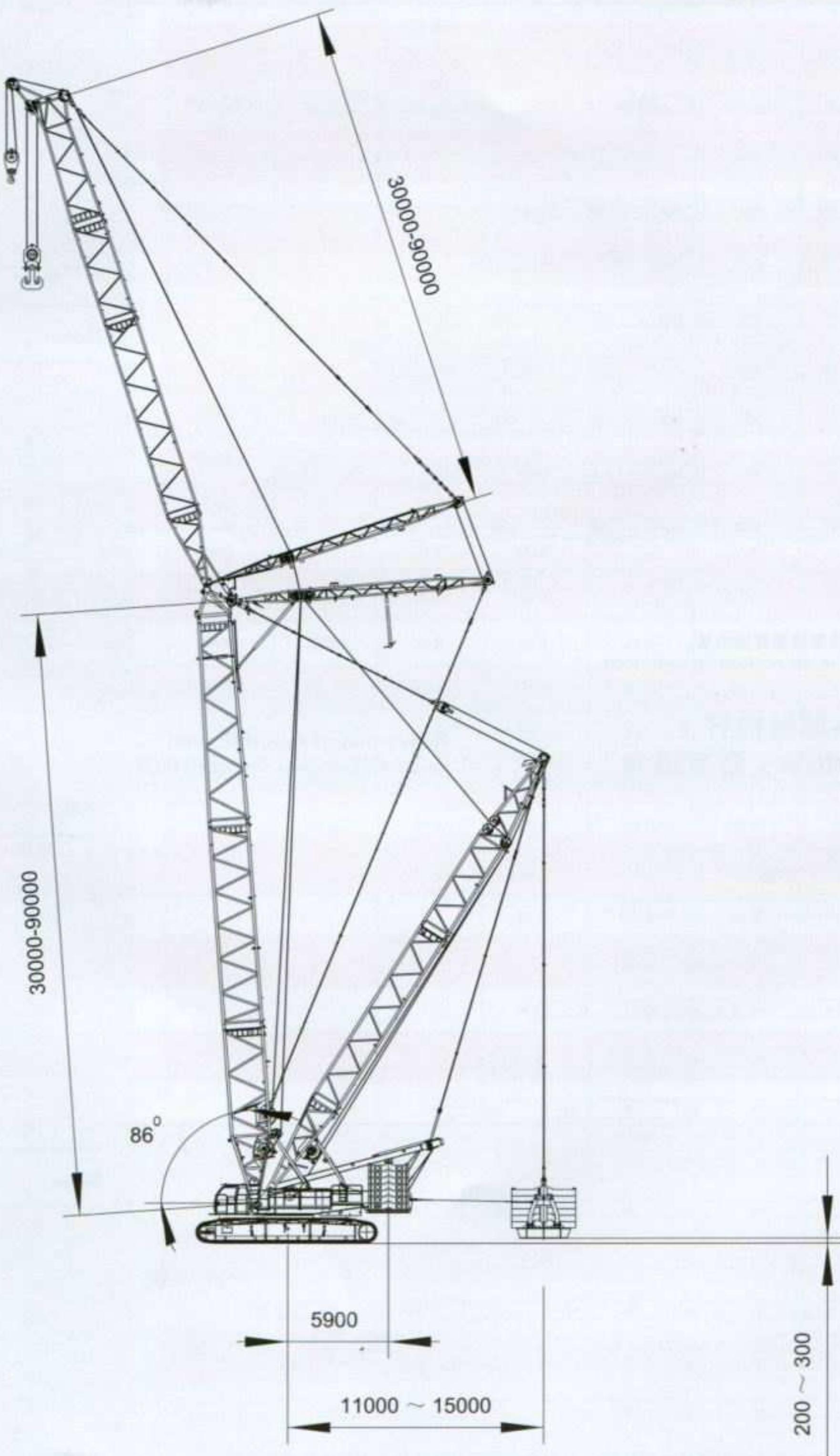
超起重主臂工况  
Heavy boom with superlift



## 主臂和副臂组合

## Boom and Jib Combinations

超起塔式工况  
Luffing jib with superlift





## 主臂和副臂组合

## Boom and Jib Combinations

### 重主臂工况 (H) 臂节组合

Heavy boom(H)

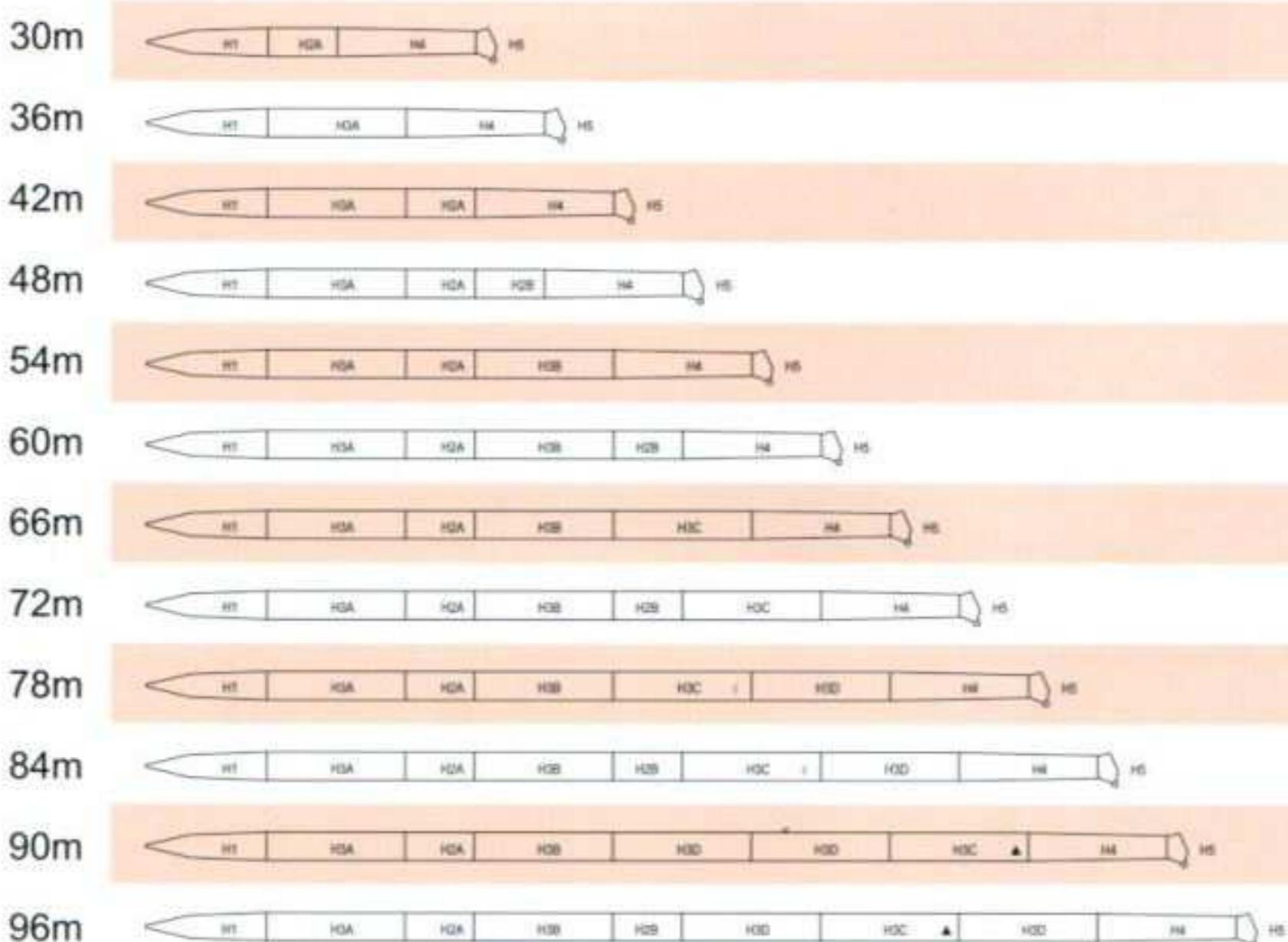


注: ★ 为腰绳装置的位置。

Note: ★ is the position for waist rope.

### 重主臂工况+超起桅杆 + 超起配重 (HSD) 臂节组合

Heavy boom+superlift mast  
+superlift counterweight(HSD)



注: ★ 为重主臂工况腰绳装置的位置, ▲ 为带超起桅杆重主臂工况腰绳装置的位置。

Note: ★ is the position for waist rope of heavy boom,

▲ is the position for waist rope of heavy boom with superlift mast.

### 注解

符号	臂杆长度	备注
H1	10.5米	主臂基础臂节
H2A	6米	主臂6米中间臂节A
H2B	6米	主臂6米中间臂节B
H3A	12米	主臂12米中间臂节A
H3B	12米	主臂12米中间臂节B
H3C	12米	主臂12米中间臂节C
H3D	12米	主臂12米中间臂节D
H4	12米	主臂变径节
H5	1.5米	主臂臂头

### Note

Symbol	Boom length	Remarks
H1	10.5m	Boom foot
H2A	6m	6m boom intermediate section A
H2B	6m	6m boom intermediate section B
H3A	12m	12m intermediate section A
H3B	12m	12m intermediate section B
H3C	12m	12m intermediate section C
H3D	12m	12m intermediate section D
H4	12m	Boom tapered section
H5	1.5m	Boom head

### 注解

Symbol	Boom length	Remarks
H1	10.5米	主臂基础臂节
H2A	6米	主臂6米中间臂节A
H2B	6米	主臂6米中间臂节B
H3A	12米	主臂12米中间臂节A
H3B	12米	主臂12米中间臂节B
H3C	12米	主臂12米中间臂节C
H3D	12米	主臂12米中间臂节D
H4	12米	主臂变径节
H5	1.5米	主臂臂头

### Note

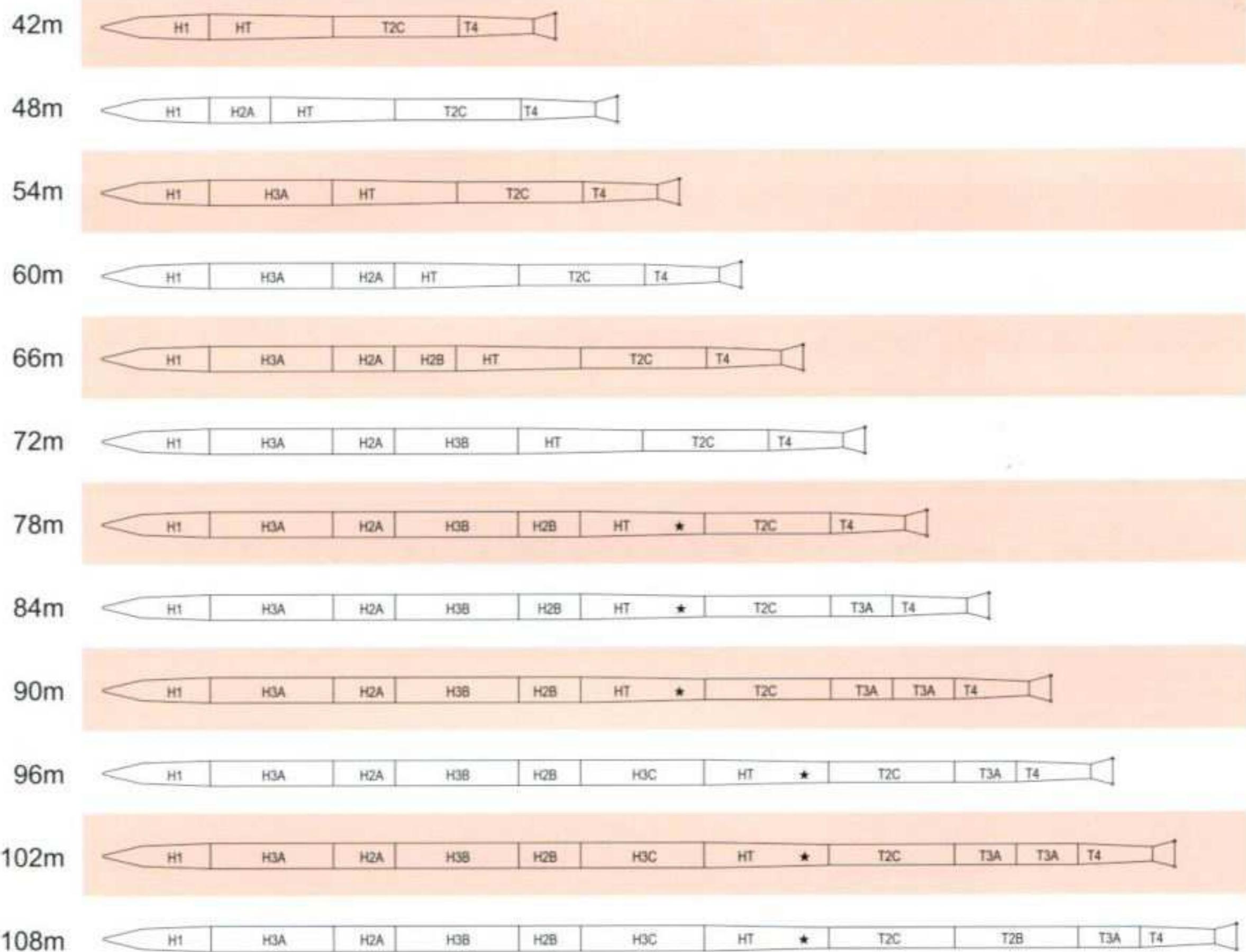
Symbol	Boom length	Remarks
H1	10.5m	Boom foot
H2A	6m	6m boom intermediate section A
H2B	6m	6m boom intermediate section B
H3A	12m	12m boom intermediate section A
H3B	12m	12m boom intermediate section B
H3C	12m	12m boom intermediate section C
H3D	12m	12m boom intermediate section D
H4	12m	Boom tapered section
H5	1.5m	Boom head

## 主臂和副臂组合

### 重轻混合主臂工况 (H/L) 臂节组合

### Boom and Jib Combinations

Heavy-light boom combination(H/L)



注：★为腰绳装置的位置。 Note: ★ is the position for waist rope.

#### 注解

符号	臂杆长度	备注
H1	10.5米	主臂基础臂节
H2A	6米	主臂6米中间臂节A
H2B	6米	主臂6米中间臂节B
H3A	12米	主臂12米中间臂节A
H3B	12米	主臂12米中间臂节B
H3C	12米	主臂12米中间臂节C
HT	12米	重轻混合臂变径节
T2B	12米	塔臂12米中间臂节B
T2C	12米	塔臂12米中间臂节C
T3A	6米	塔臂6米中间臂节
T4	7.5米	塔臂顶部臂节

#### Note

Symbol	Boom length	Remarks
H1	10.5m	Boom foot
H2A	6m	6m boom intermediate section A
H2B	6m	6m boom intermediate section B
H3A	12m	12 m boom intermediate section A
H3B	12m	12 m boom intermediate section B
H3C	12m	12m boom intermediate section C
HT	12m	Heavy-light boom combination tapered section
T2B	12m	12m luffing jib intermediate section B
T2C	12m	12m luffing jib intermediate section C
T3A	6m	6m luffing jib intermediate section
T4	7.5m	Luffing jib top section



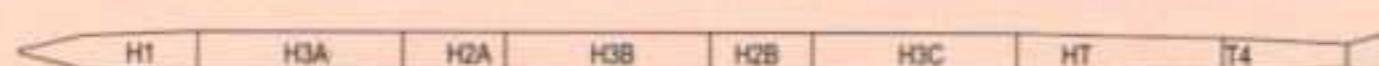
## 主臂和副臂组合

## Boom and Jib Combinations

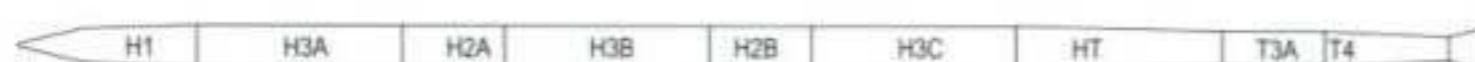
**重轻混合主臂工况 + 超起桅杆 +  
超起配重 ( HSD/L ) 臂节组合**

**Heavy-light boom combination+superlift mast  
+superlift counterweight(HSD/L)**

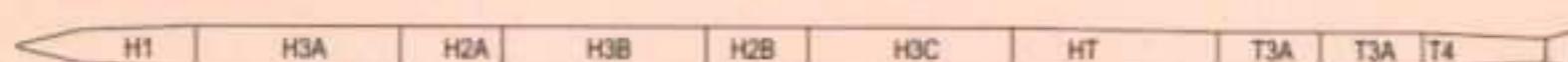
78m



84m



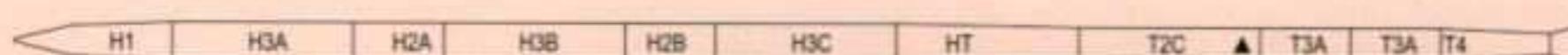
90m



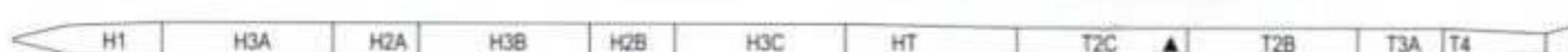
96m



102m



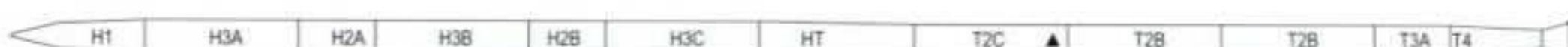
108m



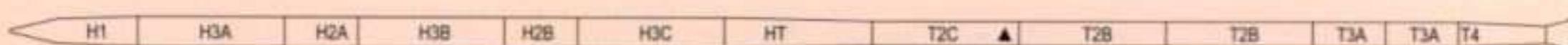
114m



120m



126m



注：▲为带超起桅杆腰绳装置的位置。 Note: ▲ is the position for waist rope with superlift mast.

## 注解

符号	臂杆长度	备注
H1	10.5米	主臂基础臂节
H2A	6米	主臂6米中间臂节A
H2B	6米	主臂6米中间臂节B
H3A	12米	主臂12米中间臂节A
H3B	12米	主臂12米中间臂节B
H3C	12米	主臂12米中间臂节C
HT	12米	重轻混合臂变径节
T2B	12米	塔臂12米中间臂节B
T2C	12米	塔臂12米中间臂节C
T3A	6米	塔臂6米中间臂节
T4	7.5米	塔臂基础臂节

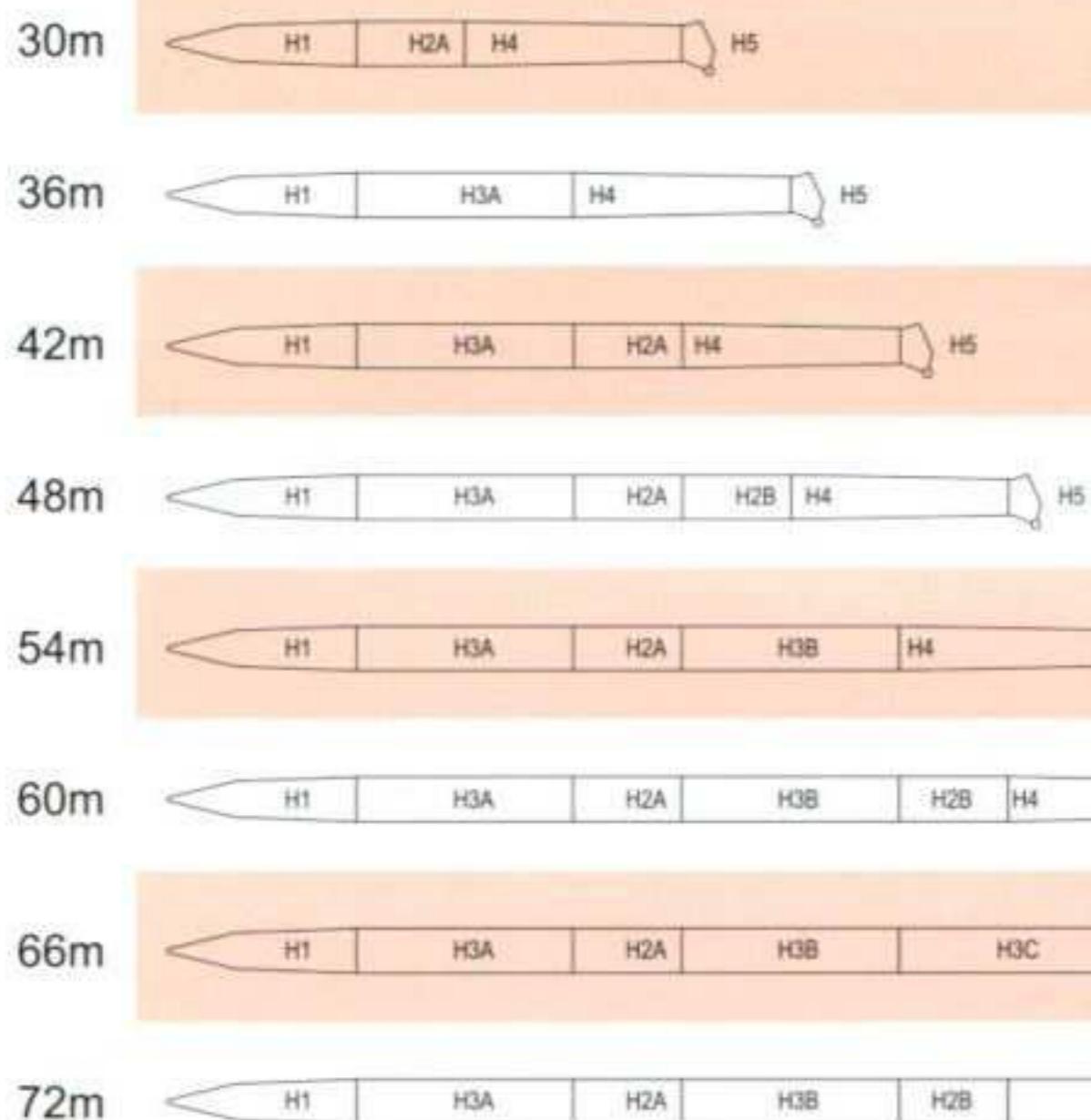
## Note

Symbol	Boom length	Remarks
H1	10.5m	Boom foot
H2A	6m	6m boom intermediate section A
H2B	6m	6m boom intermediate section B
H3A	12m	12m boom intermediate section A
H3B	12m	12m boom intermediate section B
H3C	12m	12m boom intermediate section C
HT	12m	Heavy-light boom combination tapered section
T2B	12m	12m luffing jib intermediate section B
T2C	12m	12m luffing jib intermediate section C
T3A	6m	6m luffing jib intermediate section
T4	7.5m	Luffing jib foot

## 主臂和副臂组合

## Boom and Jib Combinations

### 塔式工况 (HT) 主臂臂节组合 Luffing jib (HT) boom section combination



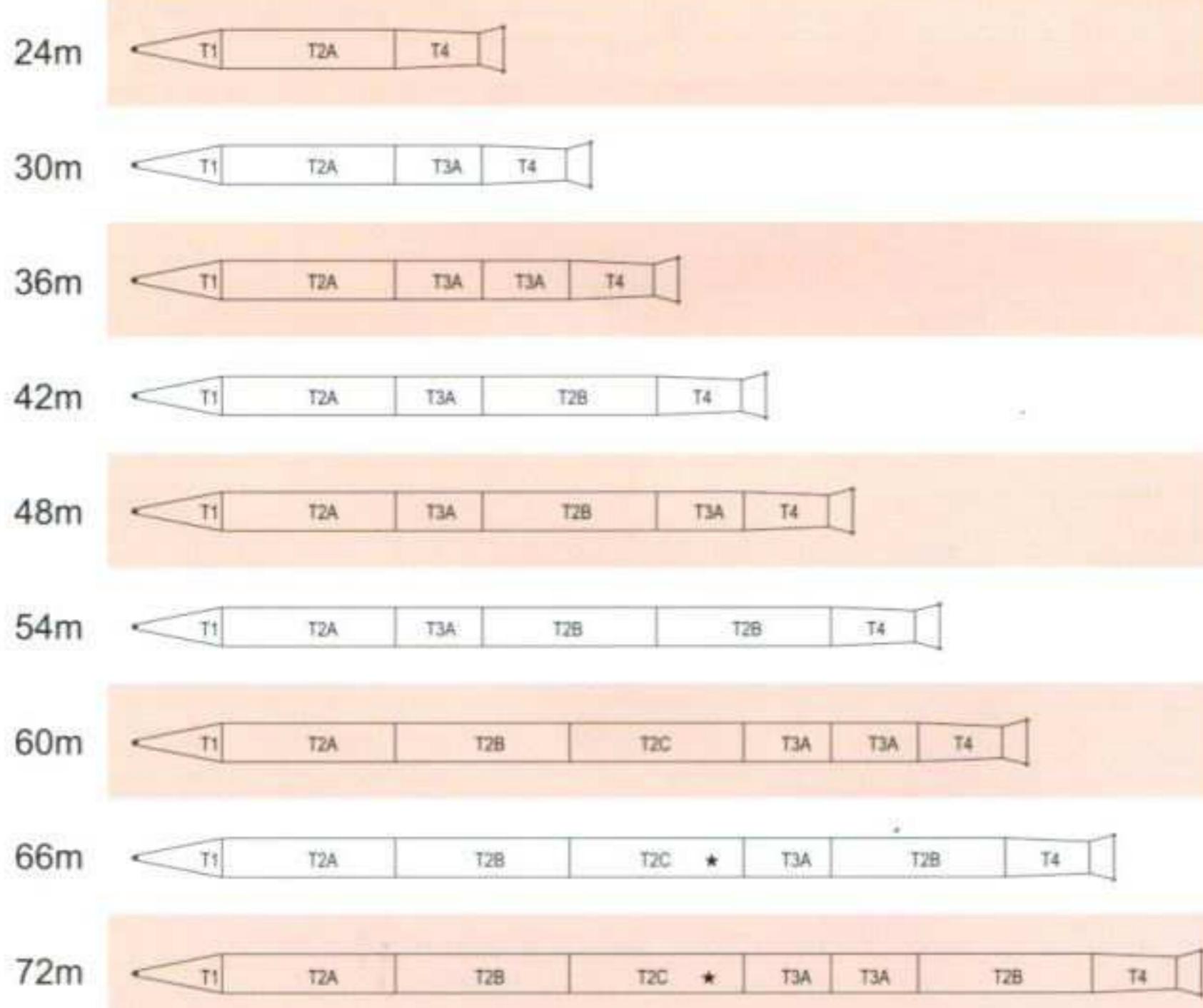
#### 注解

符号	臂杆长度	备注
H1	10.5米	塔臂基础臂节
H2A	6米	6米主臂中间臂节A
H2B	6米	6米主臂中间臂节B
H3A	12米	12米主臂中间臂节A
H3B	12米	12米主臂中间臂节B
H3C	12米	12米主臂中间臂节C
H4	12米	主臂变径节
H5	1.5米	主臂臂头

#### Note

Symbol	Boom length	Remarks
H1	10.5m	Luffing jib foot
H2A	6m	6m boom intermediate section A
H2B	6m	6m boom intermediate section B
H3A	12m	12m boom intermediate section A
H3B	12m	12m boom intermediate section B
H3C	12m	12m boom intermediate section C
H4	12m	Boom tapered section
H5	1.5m	Boom head

### 塔式工况 (HT) 塔臂臂节组合 Luffing jib (HT) boom section combination



#### 注解

Symbol	臂杆长度	备注
T1	4.5米	塔臂基础臂节
T2A	12米	塔臂12米中间臂节
T2B	12米	塔臂12米中间臂节
T2C	12米	塔臂12米中间臂节
T3A	6米	塔臂6米中间臂节
T4	7.5米	塔臂顶部臂节

#### Note

Symbol	Boom length	Remarks
T1	4.5m	Luffing jib foot
T2A	12m	12m luffing jib intermediate section
T2B	12m	12m luffing jib intermediate section
T2C	12m	12m luffing jib intermediate section
T3A	6m	6m luffing jib intermediate section
T4	7.5m	Luffing jib top section

注：★为腰绳装置的位置。 Note: ★ is the position for waist rope.

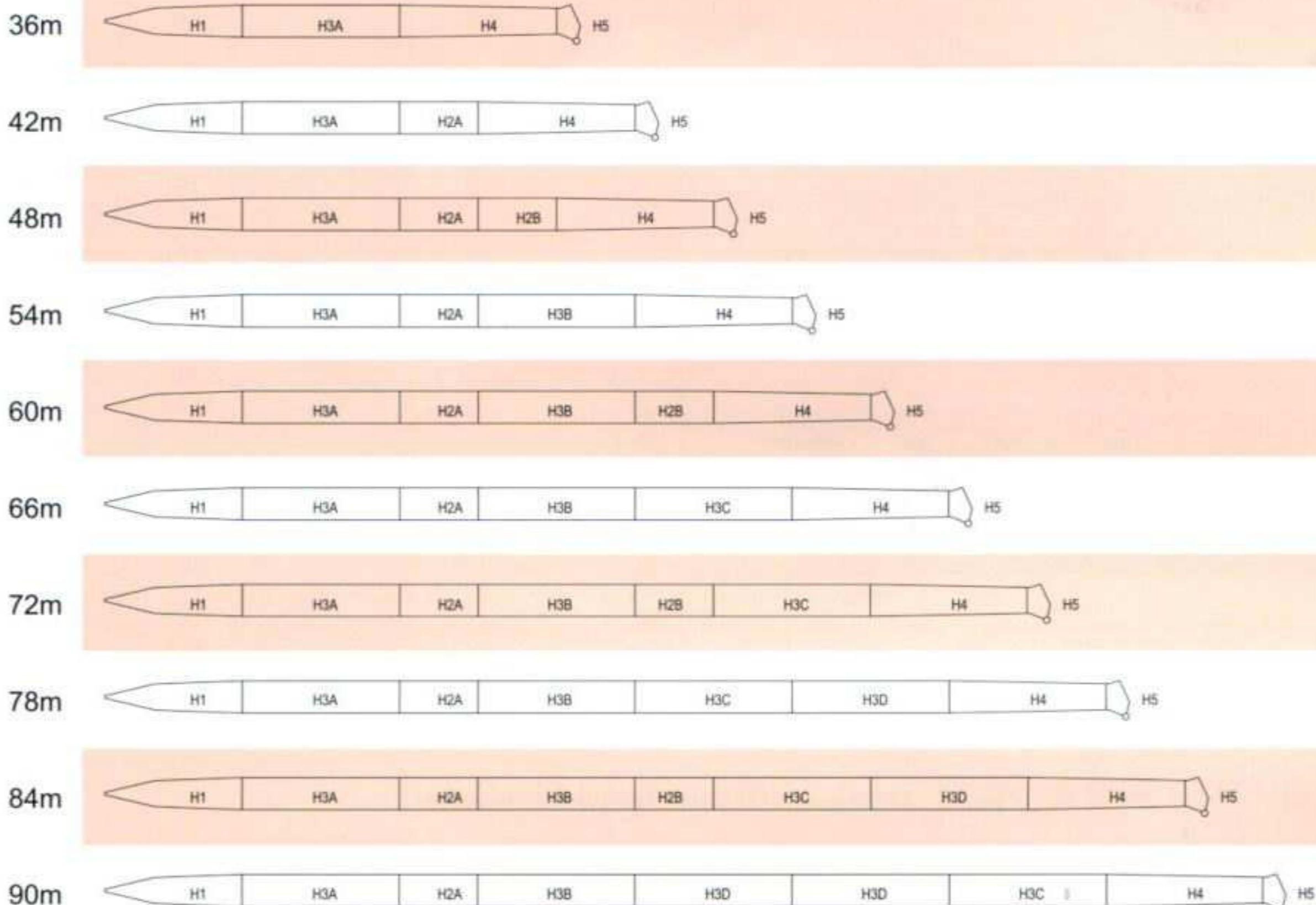


## 主臂和副臂组合

## Boom and Jib Combinations

### 塔式工况+超起桅杆 + 超起配重 ( HTSD ) 主臂臂节组合

Luffing jib+superlift mast+superlift counterweight  
(HTSD) boom section combination



注: ★ 为腰绳装置的位置。

Note: ★ is the position for waist rope.

#### 注解

符号	臂杆长度	备注
H1	10.5米	主臂基础臂节
H2A	6米	主臂6米中间臂节 A
H2B	6米	主臂6米中间臂节 B
H3A	12米	主臂12米中间臂节 A
H3B	12米	主臂12米中间臂节 B
H3C	12米	主臂12米中间臂节 C
H3D	12米	主臂12米中间臂节 D
H4	12米	主臂变径节
H5	1.5米	主臂臂头

#### Note

Symbol	Boom length	Remarks
H1	10.5m	Luffing jib foot
H2A	6m	6m luffing jib intermediate section A
H2B	6m	6m luffing jib intermediate section B
H3A	12m	12m luffing jib intermediate section A
H3B	12m	12m luffing jib intermediate section B
H3C	12m	12m luffing jib intermediate section C
H3D	12m	12m luffing jib intermediate section D
H4	12m	Boom tapered section
H5	1.5m	Boom head

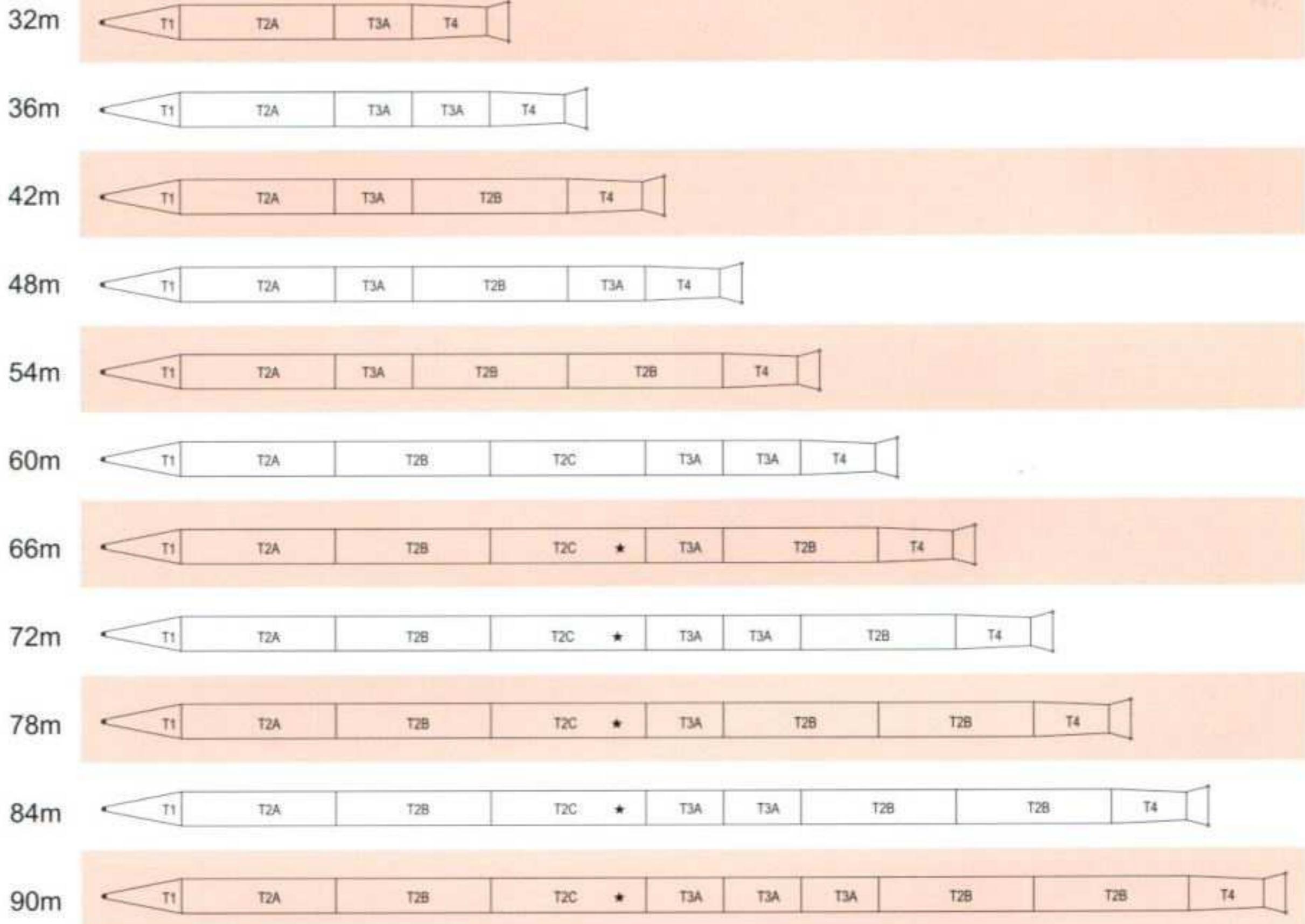
## 主臂和副臂组合

### 塔式工况 + 超起桅杆 + 超起配重 ( HTSD ) 塔臂臂节组合

## Boom and Jib Combinations

Luffing jib+superlift mast+superlift counterweight  
(HTSD) luffing jib section combination

FUWA HEAVY INDUSTRY CO., LTD.



注：★为腰绳装置的位置。 Note: ★ is the position for waist rope.

#### 注解

符号	臂杆长度	备注
T1	4.5米	塔臂基础臂节
T2A	12米	塔臂12米中间臂节
T2B	12米	塔臂12米中间臂节
T2C	12米	塔臂12米中间臂节
T3A	6米	塔臂6米中间臂节
T4	7.5米	塔臂顶部臂节

#### Note

Symbol	Boom length	Remarks
T1	4.5m	Luffing jib foot
T2A	12m	12m luffing jib intermediate section
T2B	12m	12m luffing jib intermediate section
T2C	12m	12m luffing jib intermediate section
T3A	6m	6m luffing jib intermediate section
T4	7.5m	Luffing jib top section



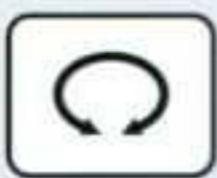
## H工况额定起重能力表

Rated Lifting Capacity Load Chart (H)

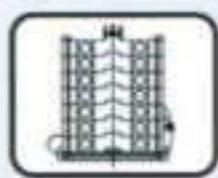
17



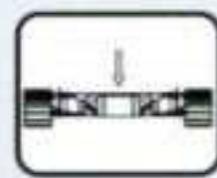
24m-84m



360°



160t



40t

	主臂长 Boom length	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
工作幅度 Working radius	5.0m	400.0										
6.0m	330.0	329.4	6.4m/326.5	6.9m/303.7								
7.0m	297.0	295.8	294.2	293.5	7.4m/272.2	7.9m/242.8						
8.0m	253.2	251.2	250.8	248.2	246.7	242.8	8.4m/215.4	9.0m/190.3				
9.0m	231.0	227.9	225.9	224.8	223.3	222.1	215.1	190.3	9.5m/167.6			
10.0m	220.0	218.4	215.1	213.4	212.3	210.9	207.7	189.7	165.4	10.0m/143.7	10.5m/122.8	
12.0m	181.8	180.2	176.0	174.9	172.6	169.8	165.9	160.5	154.1	134.2	116.8	
14.0m	141.7	140.8	138.3	137.8	136.1	135.7	134.2	133.1	128.9	124.7	108.4	
16.0m	132.6	132.1	131.3	127.3	123.5	120.0	116.3	113.0	109.5	106.3	100.2	
18.0m	112.0	111.4	110.8	109.6	106.4	103.5	100.3	97.6	94.6	91.9	88.9	
20.0m	96.5	95.8	95.2	94.3	93.1	90.6	87.8	85.4	82.7	80.4	77.8	
22.0m	84.4	83.7	83.1	82.2	81.3	80.1	77.7	75.5	73.1	71.1	68.7	
24.0m	23.3m/77.6	74.0	73.4	72.5	71.5	70.8	69.3	67.4	65.2	63.3	61.1	
26.0m		66.1	65.5	64.5	63.6	62.9	61.8	60.5	58.5	56.7	54.7	
28.0m		59.5	58.9	57.9	56.9	56.2	55.2	54.5	52.7	51.1	49.2	
30.0m		28.5m/57.9	53.3	52.3	51.3	50.6	49.5	48.9	47.8	46.3	44.4	
34.0m			33.7m/44.8	43.3	42.3	41.6	40.5	39.8	38.8	38.1	36.6	
38.0m				36.4	35.4	34.7	33.6	32.9	31.8	31.2	30.1	
42.0m				38.9m/35.0	30.0	29.3	28.2	27.5	26.4	25.7	24.6	
46.0m					44.1m/27.5	24.8	23.7	23.0	21.9	21.3	20.1	
50.0m						49.3m/21.7	20.1	19.4	18.3	17.6	16.4	
54.0m							17.0	16.3	15.2	14.5	13.4	
58.0m							54.5m/16.6	13.7	12.6	11.9	9.8*	
62.0m								59.7m/12.7	10.3	9.6	6.2*	
66.0m									64.9m/8.8	7.6		
70.0m										4.6		

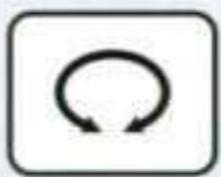
## H工况额定起重能力表

## Rated Lifting Capacity Load Chart (H)

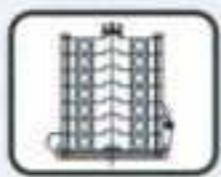
18



24m-84m



360°



140t



40t

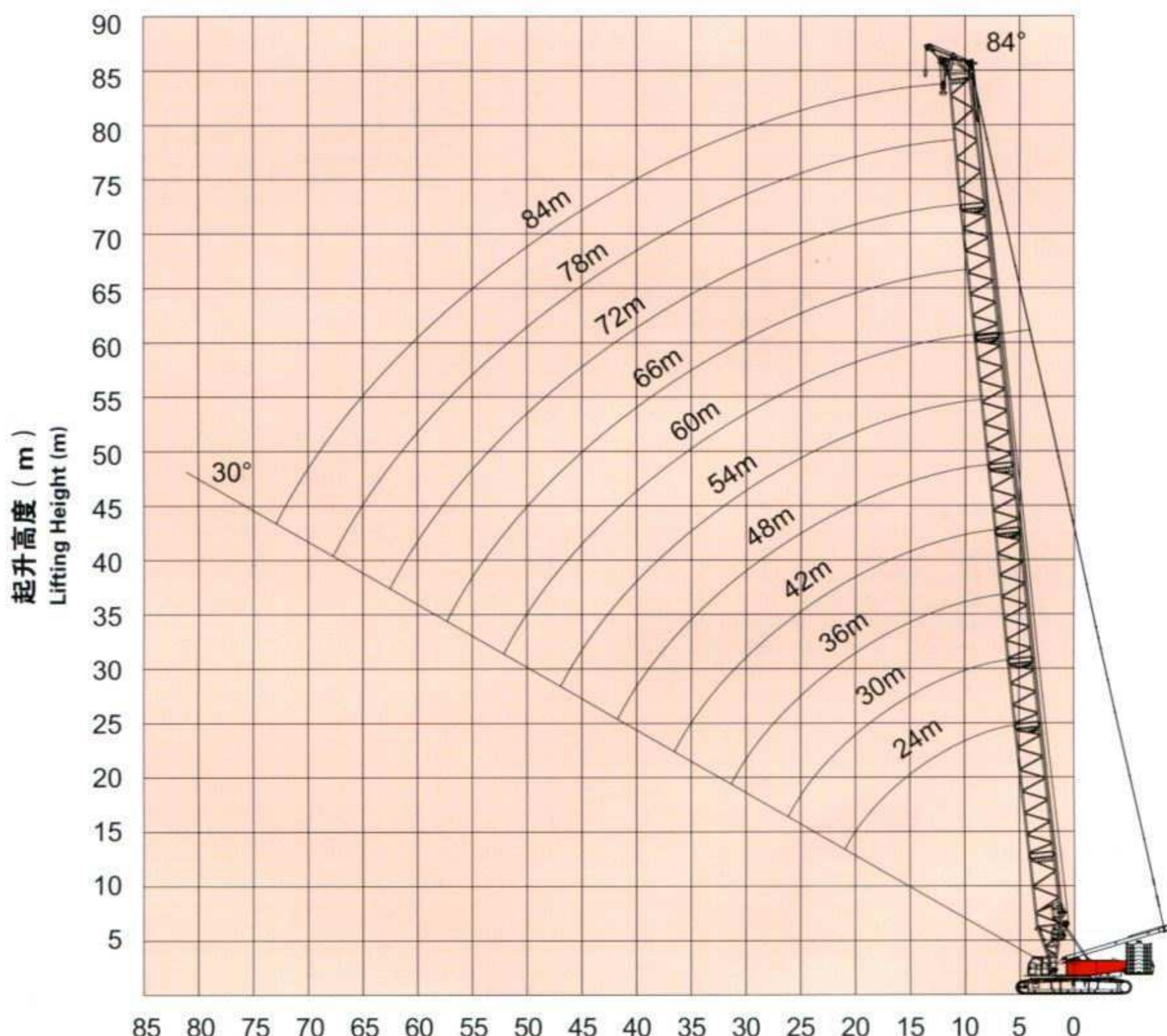
工作幅度 Working radius	主臂长 Boom length	24.0m	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
		5.0m	400.0									
6.0m	330.0	329.4	6.4m/326.5	6.9m/303.7		7.9m/242.8						
7.0m	297.0	295.8	294.2	293.5	7.4m/272.2	238.8						
8.0m	253.2	251.2	250.8	247.7	241.7	220.2	8.4m/215.4	9.0m/190.3				
9.0m	231.0	227.9	225.9	224.5	222.0	196.0	214.9	190.3	9.5m/167.6			
10.0m	210.4	208.4	205.1	202.2	200.8	155.7	188.4	181.4	165.4	10.0m/143.7	10.5m/122.8	
12.0m	175.8	174.2	173.0	166.9	161.1	128.2	150.2	145.2	140.2	134.2	116.8	
14.0m	136.7	135.8	131.3	130.7	129.3	108.3	124.0	120.2	116.2	112.6	108.4	
16.0m	120.2	119.6	118.8	115.1	111.6	93.2	104.8	101.7	98.4	95.5	92.2	
18.0m	101.3	100.7	100.2	98.9	95.9	81.4	90.2	87.6	84.8	82.3	79.4	
20.0m	87.1	86.5	85.9	85.0	83.7	71.9	78.8	76.5	73.9	71.8	69.2	
22.0m	76.1	75.4	74.9	73.9	73.0	63.4	69.5	67.5	65.2	63.2	60.9	
24.0m	23.3m/69.9	66.6	66.0	65.0	64.1	56.1	61.8	60.0	57.9	56.1	54.0	
26.0m		59.3	58.7	57.7	56.8	50.0	55.1	53.8	51.7	50.1	48.1	
28.0m		53.3	52.7	51.7	50.7	44.9	49.0	48.3	46.5	45.0	43.1	
30.0m		28.5m/51.8	47.6	46.5	45.6	36.6	43.8	43.1	42.0	40.6	38.7	
34.0m			33.7m/39.8	38.3	37.4	30.3	35.6	34.9	33.8	33.1	31.6	
38.0m				32.0	31.1	25.3	29.2	28.5	27.5	26.8	25.7	
42.0m				38.9m/30.8	26.1	21.3	24.2	23.5	22.5	21.8	20.6	
46.0m					44.1m/23.8	49.3m/18.5	20.2	19.5	18.4	17.7	16.6	
50.0m							16.8	16.1	15.0	14.4	13.2	
54.0m							14.0	13.3	12.2	11.5	10.4	
58.0m							54.5m/13.7	10.9	9.8	9.1	8.0	
62.0m								59.7m/10.0	7.7	7.0	5.9	
66.0m									64.9m/6.4	5.2		
70.0m										3.6		



H工况作业范围

Working Range (H)

重主臂工况 ( H ) 作业范围  
Working range for  
heavy boom ( H )



工作幅度 ( m )

Working Radius (m)

## HS工况额定起重能力表

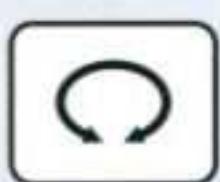
## Rated Lifting Capacity Load Chart (HS)



30m-96m



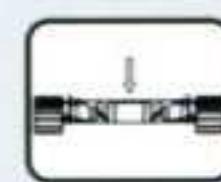
30m



360°



160t



40t

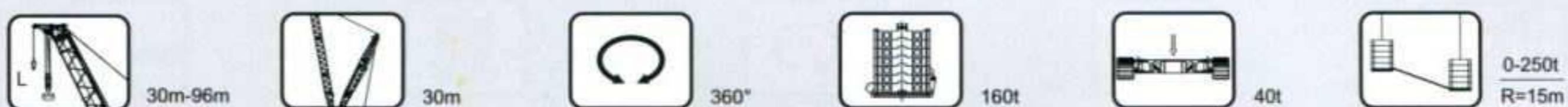
工作幅度 Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	368.0	362.9	349.1									
8.0m	345.6	340.2	329.8	304.1	255.0							
9.0m	281.3	270.0	259.2	249.0	229.5	213.8						
10.0m	258.8	230.1	221.6	213.6	206.0	198.5	208.5	187.3	169.5	153.8		
12.0m	200.9	195.3	189.5	183.9	178.6	173.3	168.4	163.3	158.6	143.7	129.0	116.5
14.0m	158.8	158.2	155.0	150.7	146.7	142.6	138.8	134.8	131.2	127.3	123.7	115.6
16.0m	130.5	129.8	128.8	127.0	123.8	120.4	117.4	114.1	111.1	107.8	104.8	101.7
18.0m	110.1	109.5	108.4	107.4	106.6	103.6	101.1	98.2	95.7	92.8	90.3	87.5
20.0m	94.8	94.1	93.0	92.0	91.3	90.2	88.2	85.7	83.5	80.9	78.7	76.2
22.0m	82.8	82.1	81.0	80.0	79.2	78.1	77.4	75.6	73.6	71.3	69.2	67.0
24.0m	73.2	72.5	71.4	70.4	69.6	68.4	67.7	66.6	65.5	63.3	61.4	59.3
26.0m	65.3	64.6	63.5	62.4	61.7	60.5	59.8	58.6	57.9	56.6	54.8	52.8
28.0m	58.7	58.0	56.9	55.8	55.0	53.9	53.1	52.0	51.3	50.1	49.2	47.3
30.0m	57.1	52.5	51.3	50.2	49.4	48.3	47.5	46.3	45.6	44.4	43.6	42.4
32.0m		47.7	46.5	45.4	44.6	43.4	42.7	41.5	40.8	39.5	38.7	37.5
34.0m		44.0	42.3	41.3	40.4	39.2	38.5	37.3	36.6	35.3	34.5	33.3
36.0m			38.7	37.6	36.8	35.6	34.8	33.6	32.9	31.6	30.8	29.6
38.0m			35.5	34.4	33.5	32.3	31.6	30.4	29.6	28.4	27.5	26.3
40.0m			34.1	31.5	30.7	29.5	28.7	27.5	26.7	25.5	24.6	23.4
42.0m				28.9	28.1	26.9	26.1	24.9	24.1	22.9	22.0	20.8
44.0m				26.6	25.8	24.6	23.8	22.6	21.8	20.6	19.7	18.5
46.0m				26.4	23.7	22.4	21.7	20.5	19.7	18.4	17.6	16.4
48.0m					21.7	20.5	19.8	18.5	17.8	16.5	15.6	14.4
50.0m					20.6	18.8	18.0	16.8	16.0	14.8	13.9	12.7
54.0m						15.7	14.9	13.7	12.9	11.7	10.8	9.6
58.0m						15.3	12.3	11.0	10.3	9.1	8.1	6.9
62.0m							11.2	8.8	8.0	7.1	5.8	4.6
66.0m								7.3	6.0	5.4	3.9	2.6
70.0m									4.3	3.8		
74.0m									4.2	2.5		
78.0m										2.0		
82.0m												



## HSD工况额定起重能力表

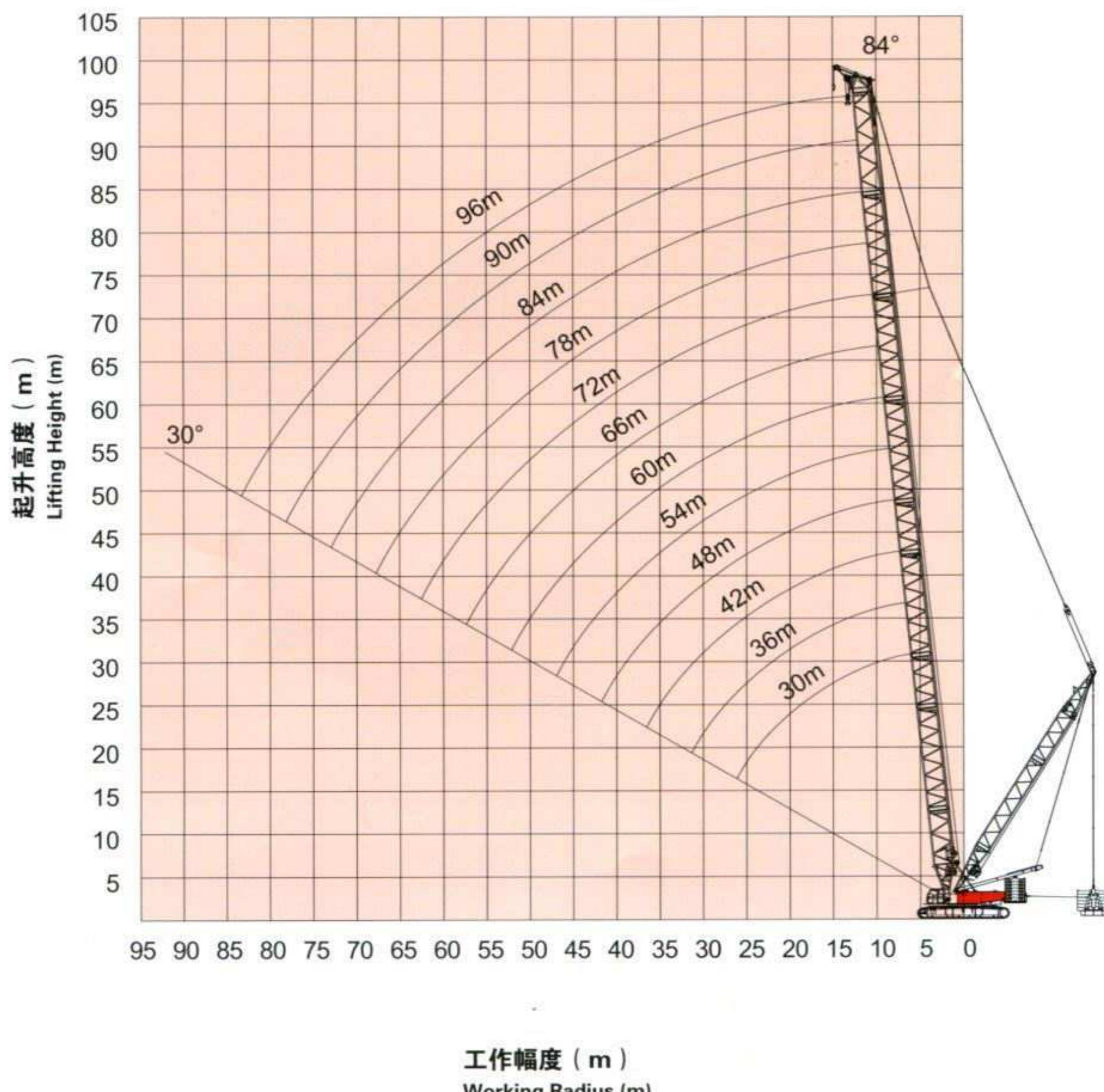
## Rated Lifting Capacity Load Chart (HSD)

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工作幅度 Working radius	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m
7.0m	400.0	400.0	400.0									
8.0m	400.0	382.9	365.0	350.9	327.2							
9.0m	388.2	370.2	355.0	340.9	318.4	286.8						
10.0m	369.5	357.2	340.0	330.9	310.2	283.1	238.9	209.2	179.9	160.1		
12.0m	353.8	341.0	331.0	321.9	296.2	277.2	232.6	208.5	178.9	160.1	134.0	118.5
14.0m	331.9	330.0	310.0	305.2	279.5	268.1	225.9	207.2	177.9	158.1	133.4	118.5
16.0m	310.0	313.0	293.0	288.9	265.0	250.5	221.9	204.2	176.5	157.3	131.7	118.1
18.0m	277.6	283.0	267.3	266.2	254.7	241.0	211.8	197.3	175.5	153.8	130.6	117.2
20.0m	249.1	257.0	248.2	247.4	237.6	226.7	208.1	190.9	173.2	150.9	128.1	116.0
22.0m	215.6	236.0	230.8	224.1	215.8	212.3	196.3	183.4	168.3	150.6	124.3	115.5
24.0m	187.3	208.1	207.1	205.2	202.2	198.9	187.0	174.9	161.1	146.0	120.2	114.8
26.0m	162.4	192.7	191.5	189.5	186.5	180.3	178.2	167.8	155.6	142.2	116.9	113.0
28.0m	139.5	171.1	177.2	174.8	173.8	170.6	166.8	160.0	149.9	136.2	113.0	112.1
30.0m	133.5	151.8	163.4	163.7	162.5	158.1	154.6	148.2	143.2	129.1	109.9	110.0
32.0m		134.1	149.5	150.9	147.1	144.4	144.3	139.9	138.3	123.0	107.6	107.9
34.0m		119.3	139.3	141.7	140.1	136.2	136.1	131.0	129.5	117.0	104.1	103.9
36.0m			125.4	131.7	130.5	129.2	129.7	125.0	122.7	112.9	101.2	100.8
38.0m			112.1	125.9	123.8	121.2	118.3	117.1	115.1	108.0	97.8	96.7
40.0m			106.0	119.8	115.0	114.0	110.8	110.1	106.7	103.5	93.4	93.3
42.0m				111.2	106.9	106.5	106.7	104.4	101.1	97.7	91.9	89.8
44.0m				106.9	101.3	101.6	103.0	97.5	96.7	93.7	89.2	86.0
46.0m				94.3	97.1	95.2	96.5	92.1	90.6	86.2	84.0	82.9
48.0m					93.6	92.9	91.0	89.1	87.1	82.2	81.5	79.3
50.0m					84.1	88.9	86.9	85.4	82.4	77.7	77.4	76.3
54.0m						79.5	79.7	78.0	75.2	71.7	70.4	69.3
58.0m						72.8	71.6	71.4	68.2	65.8	64.8	62.6
62.0m							66.9	65.4	63.6	60.9	60.7	57.0
66.0m								59.0	58.2	56.8	54.4	53.3
70.0m									53.8	52.8	49.4	49.2
74.0m									50.5	48.3	46.0	44.8
78.0m										46.0	43.9	41.2
82.0m										40.6	38.6	

重主臂工况 + 超起桅杆(HS)作业范围  
重主臂工况 + 超起桅杆 + 超起配重(HSD)作业范围  
Working range for heavy boom  
+ superlift mast ( HS )  
Working range for heavy boom  
+ superlift mast + superlift  
counterweight ( HSD )



工作幅度 ( m )  
Working Radius (m)



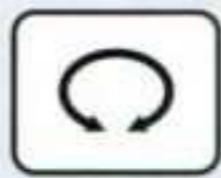
## H/L工况额定起重能力表

## Rated Lifting Capacity Load Chart (H/L)

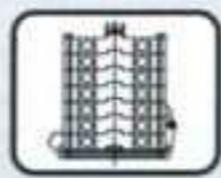
23



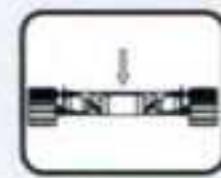
42m-108m



360°



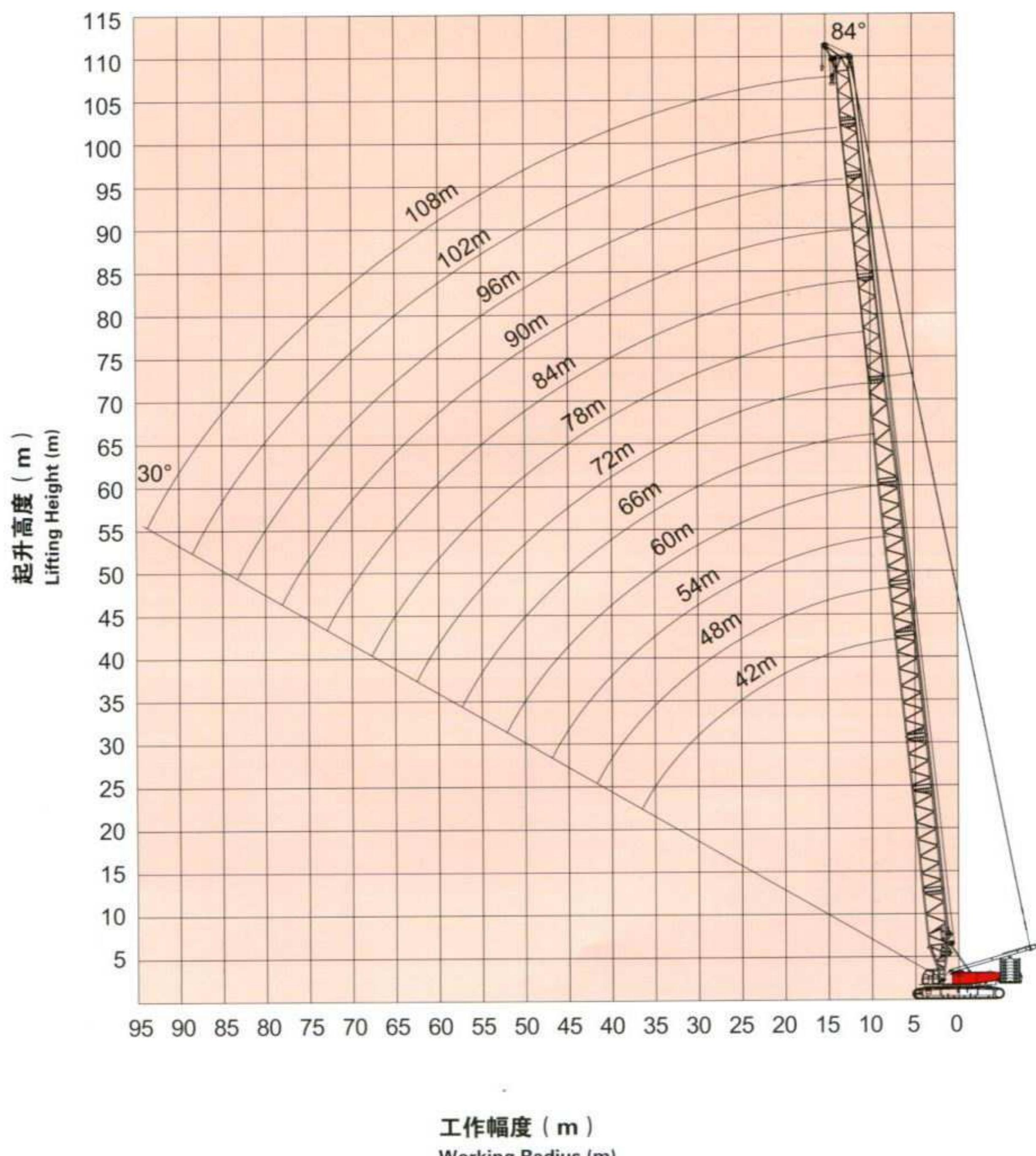
160t



40t

主臂长 Boom length	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m
工作幅度 Working radius	7.0m	7.3m/180	7.9m/180									
8.0m	180.0	180.0	8.5m/180									
9.0m	180.0	180.0	180.0	9.2m/170.6	9.8m/151.7							
10.0	180.0	176.0	170.0	160.9	150.9	10.4m/155.1	11.0m/119.9	11.7m/106.3				
12.0m	160.0	152.0	145.0	140.5	133.6	125.0	117.2	105.6	12.3m/93.9	12.9m/81.6	13.6m/70.3	
14.0m	132.2	128.6	121.1	114.5	109.0	104.2	100.1	96.0	90.5	79.7	69.6	14.2m/58.5
16.0m	118.1	113.5	108.7	103.7	99.7	96.3	93.4	89.9	85.9	76.5	66.8	56.4
18.0m	105.5	104.9	102.9	98.4	95.8	93.8	88.2	85.1	80.5	73.4	64.2	54.2
20.0m	93.8	93.2	92.5	90.7	88.5	86.7	84.4	82.7	75.3	70.6	61.8	52.1
22.0m	82.4	81.7	81.1	80.1	78.6	77.0	74.9	73.4	71.8	68.0	59.5	50.2
24.0m	73.3	72.6	71.9	70.9	70.0	69.1	67.1	65.7	64.4	61.9	57.4	48.5
26.0m	65.8	65.1	64.4	63.4	62.5	62.1	60.5	59.3	58.1	55.8	54.5	46.8
28.0m	59.6	58.8	58.1	57.1	56.2	55.8	54.7	53.9	52.8	50.5	49.4	45.1
30.0m	54.3	53.5	52.8	51.8	20.9	50.5	49.4	49.1	48.2	46.0	44.9	43.6
34.0m	45.9	45.1	44.4	43.3	42.4	41.9	40.8	40.5	40.2	38.6	37.7	36.9
38.0m	39.4	38.6	37.9	36.8	35.8	35.4	34.3	34.0	33.7	32.1	31.8	31.3
42.0m	38.8m/38.3	33.5	32.8	31.7	30.7	30.3	29.2	28.8	28.5	26.9	26.6	26.5
46.0m		44.0m/31.3	28.6	27.5	26.5	26.1	25.0	24.7	24.3	22.7	22.4	22.3
50.0m			49.2m/25.8	24.1	23.1	22.7	21.5	21.2	20.9	19.2	18.9	18.8
54.0m				21.2	20.2	19.8	18.6	18.3	18.0	16.3	16.0	15.9
58.0m				54.4m/21.0	17.7	17.3	16.1	15.8	15.5	13.8	13.5	13.4
62.0m					59.6m/16.9	15.2	14.0	13.7	13.3	11.7	11.0	
66.0m						64.8m/13.9	12.1	11.8	11.5	9.0		
70.0m							70.0m/10.5	10.2	9.0	7.4		

重轻混合主臂工况（H/L）作业范围  
Working range for heavy-light  
boom combination(H/L)





## HSD/L工况额定起重能力表

## Rated Lifting Capacity Load Chart ( HSD/L)

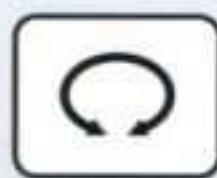
25



78m-126m



30m



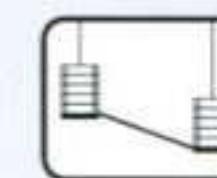
360°



160t

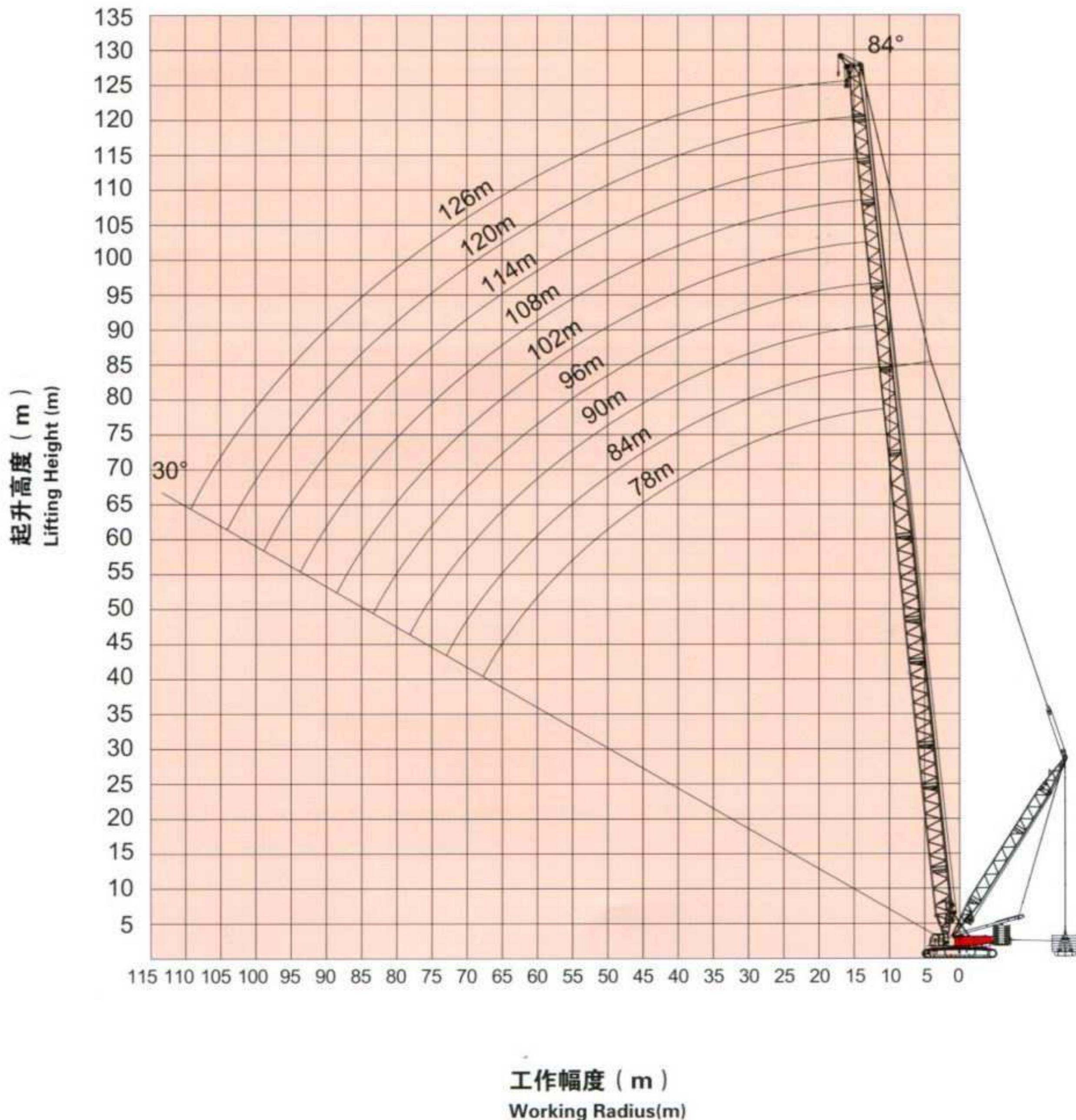


40t

0-250t  
R=15m

工作幅度 Working radius	78.0m	84.0m	90.0m	96.0m	102.0m	108.0m	114.0m	120.0m	126.0m	主臂长 Boom length
10.0m										10.0m
12.0m	139.0	126.0								12.0m
14.0m	137.0	125.0	109.0	95.0	82.0					14.0m
16.0m	134.0	121.0	105.0	94.0	80.0	76.0	56.0	45.2		16.0m
18.0m	132.0	116.0	102.0	93.0	79.0	76.0	55.0	45.2	33.8	18.0m
20.0m	128.0	113.0	100.0	92.0	78.0	74.0	54.0	45.2	33.8	20.0m
22.0m	125.0	109.0	97.0	90.0	76.0	72.0	53.0	45.2	33.8	22.0m
24.0m	121.0	104.0	95.0	87.0	74.0	70.0	52.0	45.2	33.8	24.0m
26.0m	117.0	99.0	90.0	84.0	71.0	68.0	51.0	45.2	33.8	26.0m
28.0m	112.0	95.0	87.0	81.0	70.0	66.0	50.0	44.2	33.1	28.0m
30.0m	108.0	90.0	84.0	78.0	67.0	63.0	49.0	43.3	32.2	30.0m
34.0m	98.0	82.0	77.0	74.0	62.0	61.0	48.0	42.5	31.5	34.0m
38.0m	88.0	74.0	72.0	69.0	59.0	58.0	47.0	41.5	30.9	38.0m
42.0m	78.0	70.0	68.0	66.0	54.0	53.0	46.0	40.3	30.0	42.0m
46.0m	71.0	66.0	65.0	61.0	52.0	50.0	45.0	39.2	29.5	46.0m
50.0m	64.0	61.0	60.0	58.0	49.0	47.0	42.0	38.1	28.5	50.0m
54.0m	58.0	59.0	58.0	55.0	46.0	44.0	39.0	36.4	27.4	54.0m
58.0m	53.0	56.0	56.0	52.0	43.0	41.0	37.0	34.7	26.3	58.0m
62.0m	47.0	52.0	54.0	50.0	40.0	39.0	35.0	32.3	25.3	62.0m
66.0m	43.0	48.0	53.0	48.0	39.0	37.0	33.0	31.2	24.8	66.0m
70.0m	38.0	44.0	51.0	46.0	36.0	36.0	32.0	29.1	24.0	70.0m
74.0m		41.0	48.0	44.0	35.0	35.0	31.0	27.8	22.8	74.0m
78.0m		36.0	45.0	42.0	33.0	33.0	30.0	25.6	21.4	78.0m
82.0m			42.0	40.0	31.0	32.0	29.0	23.1	20.5	82.0m
86.0m					29.0	30.0	28.0	21.6	19.6	86.0m
90.0m					27.0	29.0	26.0	20.1	18.7	90.0m
94.0m							25.0	19.0		94.0m

重轻混合主臂工况 + 超起桅杆 ( HS/L ) 作业范围  
 重轻混合主臂工况 + 超起桅杆 + 超起配重 ( HSD/L ) 作业范围  
**Working range for heavy-light boom combination+  
 superlift mast(HS/L)**  
**Working range for heavy-light boom combination+  
 superlift mast+superlift counterweight(HSD/L)**





## HT工况额定起重能力表

Rated Lifting Capacity Load Chart (HT)

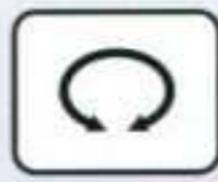
27



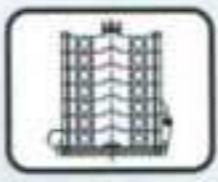
30m-72m



86°, 76°, 66°  
24m-72m



360°



160t



40t

主臂长 Boom length		30.0m														
塔臂长 Luffing jib length		24.0m			36.0m			48.0m			60.0m			72.0m		
工作幅度 Working radius	主臂仰角 Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m	139.8															
16.0m	119.8															
18.0m	104.8			100.0												
20.0m	92.6			88.8												
22.0m	81.9			79.8			76.4									
24.0m	73.2	68.1		72.1			69.4									
26.0m	66.1	61.5		65.0			63.4			60.5						
28.0m		55.9		59.1			58.1			55.6						
30.0m		51.2		54.1	49.9		53.1			51.4			44.8			
34.0m			40.4	46.0	42.4		45.0			43.8			39.2			
38.0m					36.7		38.9	35.5		37.6			34.3			
42.0m						29.4	34.0	31.0		32.8	29.6		30.1			
46.0m						25.9	30.0	27.3		28.8	26.0		26.4	24.8		
50.0m								24.3	21.9	25.6	23.0		23.2	21.8		
54.0m									19.5	22.8	20.4	18.1	20.4	19.3		
58.0m											18.3	16.1	17.9	17.1		
62.0m											16.4	14.4	15.7	15.3	13.2	
66.0m													12.9	13.7	13.6	11.7
70.0m														12.2	10.4	
74.0m																9.2
78.0m																

## HT工况额定起重能力表

## Rated Lifting Capacity Load Chart (HT)

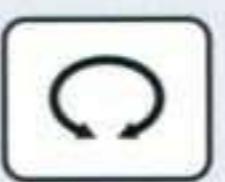
28



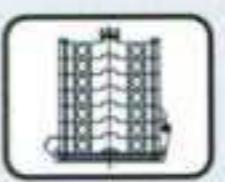
30m-72m



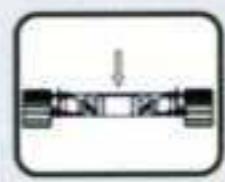
86°,76°,66°  
24m-72m



360°



160t



40t

主臂长 Boom length	36.0m														
	24.0m			36.0m			48.0m			60.0m			72.0m		
塔臂长 Luffing jib length	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m															
16.0m	116.7														
18.0m	102.2														
20.0m	90.8			86.7											
22.0m	81.3			78.0			74.6								
24.0m	72.7			70.8			67.7								
26.0m	65.6	59.8		64.5			62.0			59.0					
28.0m		54.4		58.7			57.1			54.3					
30.0m		49.8		53.7			52.6			50.2			45.6		
34.0m			38.4	45.7	41.1		44.7			43.4			39.9		
38.0m			33.2		35.5		38.5	34.3		37.3			34.9		
42.0m					31.1	27.7	33.7	29.9		32.5	28.5		30.6		
46.0m						24.4	29.8	26.4		28.5	25.0		26.9		
50.0m								23.4	20.4	25.3	22.1		23.6	20.9	
54.0m									18.2	22.6	19.6		20.8	18.4	
58.0m									16.3			17.5	14.8	18.2	16.3
62.0m											15.7	13.2	16.0	14.5	
66.0m												11.8	13.9	12.9	10.6
70.0m												10.5		11.6	9.3
74.0m													10.3	8.2	
78.0m														7.2	
82.0m															



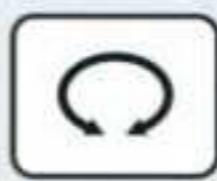
## HT工况额定起重能力表

## Rated Lifting Capacity Load Chart (HT)

29



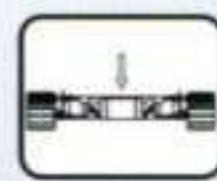
30m-72m

86°, 76°, 66°  
24m-72m

360°



160t



40t

主臂长 Boom length	42.0m														
	24.0m		36.0m			48.0m			60.0m			72.0m			
塔臂长 Luffing jib length	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
主臂仰角 Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m															
16.0m	113.5														
18.0m	99.5														
20.0m	88.6			84.5											
22.0m	79.8			76.1											
24.0m	72.1			69.1			66.0								
26.0m	65.1	57.8		63.3			60.5								
28.0m		52.6		58.1			55.7			53.0					
30.0m		48.2		53.2			51.6			49.0					
34.0m		41.0		45.3	39.6		44.2			42.5			40.3		
38.0m			31.1		34.2		38.2	33.0		36.9			35.4		
42.0m					29.9		33.4	28.7		32.1			31.0		
46.0m						22.6	29.5	25.3		28.2	23.8		27.2		
50.0m						20.0		22.4		25.0	21.0		24.0	19.8	
54.0m							20.0	16.6	22.3	18.6			21.1	17.4	
58.0m								14.8	20.0	16.6			18.5	15.4	
62.0m									13.3		14.8	11.8	16.2	13.7	
66.0m											10.5	14.2	12.1		
70.0m												9.3		10.8	8.0
74.0m													9.6	7.0	
78.0m														6.1	
82.0m															5.3
86.0m															

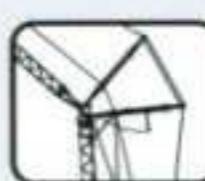
# HT工况额定起重能力表

# Rated Lifting Capacity Load Chart (HT)

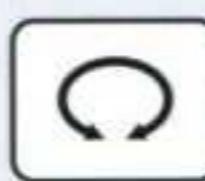
30



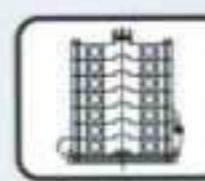
30m-72m



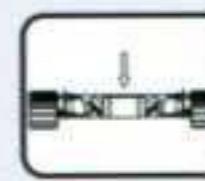
86°, 76°, 66°  
24m-72m



360°



160t



40t

主臂长 Boom length	48.0m														
	24.0m			36.0m			48.0m			60.0m			72.0m		
塔臂长 Luffing jib length	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
工作幅度 Working radius	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m															
16.0m	110.2														
18.0m	96.9														
20.0m	86.3			82.2											
22.0m	77.9				74.1										
24.0m	70.9				67.4			64.3							
26.0m	64.5				61.8			58.9							
28.0m		50.7		57.0			54.3			51.5					
30.0m		46.4		52.7			50.3			47.7					
34.0m		39.5		44.8	38.0		43.8			41.4			39.2		
38.0m				38.8	32.8		37.8			36.4			34.4		
42.0m			25.2		28.7		33.0	27.4		31.7			30.5		
46.0m					25.3		29.1	24.1		27.9	22.6		26.8		
50.0m						18.3		21.3		24.7	19.9		23.6		
54.0m						16.3		19.0	14.9	22.0	17.6		20.9	16.4	
58.0m								13.3	19.7	15.7			18.7	14.4	
62.0m								11.8		14.0	10.3		16.5	12.8	
66.0m										12.5	9.1		14.4	11.3	
70.0m											8.0		10.0	6.7	
74.0m											7.0		8.9	5.7	
78.0m														4.9	
82.0m														4.1	
86.0m															



## HT工况额定起重能力表

## Rated Lifting Capacity Load Chart (HT)

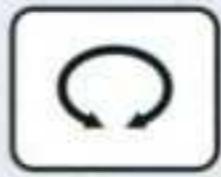
31



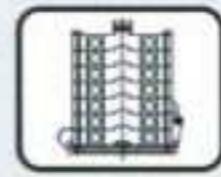
30m-72m



86°, 76°, 66°



360°



160t



40t

主臂长 Boom length		54.0m														
塔臂长 Luffing jib length		24.0m			36.0m			48.0m			60.0m			72.0m		
工作幅度 Working radius	主臂仰角 Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m																
16.0m	107.0															
18.0m	94.2															
20.0m	84.0				79.9											
22.0m	75.8					72.1										
24.0m	69.1				65.6			62.5								
26.0m	63.5					60.2			57.3							
28.0m	58.2				55.6			52.9			50.1					
30.0m		44.6			51.5			49.0			46.4					
34.0m		38.0			44.4			42.6			40.2			38.0		
38.0m					38.4	31.4		37.3			35.4			33.4		
42.0m			23.1		27.4			32.6	26.1		31.3			29.6		
46.0m				20.4		24.2		28.8	22.9		27.5			26.4		
50.0m						16.5		20.2			24.4	18.8		23.3		
54.0m						14.7		18.0			21.7	16.6		20.6	15.3	
58.0m								16.1	11.7	19.4	14.7		18.4	13.4		
62.0m									10.4		13.1		16.4	11.8		
66.0m									9.2		11.6	7.7	14.7	10.4		
70.0m												6.7		9.2		
74.0m												5.8		8.1	4.5	
78.0m														7.1	3.7	
82.0m															3.0	
86.0m																2.3
90.0m																

## HT工况额定起重能力表

## Rated Lifting Capacity Load Chart (HT)

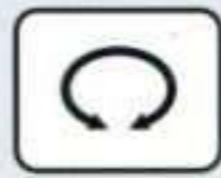
32



30m-72m



86°,76°,66°  
24m-72m



360°



160t



40t

主臂长 Boom length	60.0m														
塔臂长 Luffing jib length	24.0m			36.0m			48.0m			60.0m			72.0m		
工作幅度 Working radius	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m															
16.0m															
18.0m	91.4														
20.0m	81.6														
22.0m	73.7			70.0											
24.0m	67.2			63.8											
26.0m	61.8			58.5			55.6								
28.0m	57.2			54.0			51.3			48.5					
30.0m				50.2			47.6			45.0					
34.0m		36.1		43.8			41.5			39.0			36.8		
38.0m		31.3		37.9	29.7		36.6			34.4			32.3		
42.0m				25.9		32.2			30.6			28.6			
46.0m			18.2		22.8		28.4	21.5		27.1			25.6		
50.0m							19.0		24.0	17.5		22.9			
54.0m						12.7		16.8		21.4	15.4		20.3	14.1	
58.0m						11.3		15.0		19.1	13.6		18.0	12.3	
62.0m									8.7		12.0		16.1	10.8	
66.0m									7.6		10.7		14.4	9.4	
70.0m											9.5	5.1	12.9	8.3	
74.0m											4.3		7.2	3.0	
78.0m											3.6		6.3	2.3	
82.0m														1.7	
86.0m								*						1.1	
90.0m														0.6	



## HT工况额定起重能力表

## Rated Lifting Capacity Load Chart (HT)

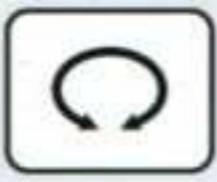
33



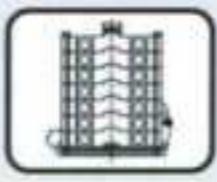
30m-72m



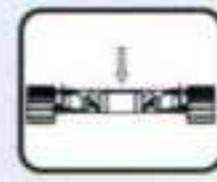
86°, 76°, 66°  
24m-72m



360°



160t



40t

主臂长 Boom length		66.0m														
塔臂长 Luffing jib length		24.0m			36.0m			48.0m			60.0m			72.0m		
工作幅度 Working radius	主臂仰角 Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m																
16.0m																
18.0m	88.6															
20.0m	79.3															
22.0m	71.7				68.0											
24.0m	65.4				61.9											
26.0m	60.1				56.9			54.0								
28.0m	55.6				52.5			49.8								
30.0m					48.8			46.2			43.5					
34.0m		34.4			42.6			40.3			37.8			35.6		
38.0m		29.7			37.4	28.1		35.6			33.3			31.2		
42.0m					24.5		31.7			29.6			27.7			
46.0m					21.5		28.0	20.1		26.6			24.7			
50.0m			14.2		19.1		24.9	17.7		23.6	16.2		22.3			
54.0m						10.9		15.7		21.0	14.2		19.9			
58.0m						9.6		14.0		18.8	12.5		17.7	11.2		
62.0m						8.5			7.1		11.0		15.8	9.8		
66.0m								6.1		9.8		14.1	8.5			
70.0m								5.3		8.6	3.7	12.7	7.4			
74.0m											3.0		6.4			
78.0m											2.3		5.5	1.0		
82.0m											1.7		4.7	0.4		
86.0m																

# HT工况额定起重能力表

# Rated Lifting Capacity Load Chart (HT)

34



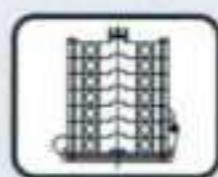
30m-72m



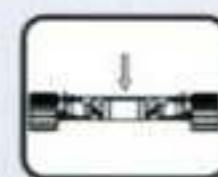
86°, 76°, 66°  
24m-72m



360°



160t



40t

主臂长 Boom length	72.0m														
塔臂长 Luffing jib length	24.0m			36.0m			48.0m			60.0m			72.0m		
主臂仰角 Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°
14.0m															
16.0m															
18.0m	85.7														
20.0m	76.8														
22.0m	69.5			65.8											
24.0m	63.4			60.0											
26.0m	58.4			55.1			52.2								
28.0m	54.0			50.9			48.2								
30.0m				47.3			44.7			42.0					
34.0m	32.3		41.4			39.0			36.5			34.3			
38.0m		27.9		36.8			34.5			32.2			30.1		
42.0m		24.4			22.7		30.8			28.6			26.6		
46.0m					20.0		27.5	18.6		25.7			23.8		
50.0m			12.0		17.7		24.5	16.3		23.2			21.4		
54.0m			10.5				14.4			20.6	12.9		19.4		
58.0m					7.6		12.8			18.4	11.3		17.3	9.9	
62.0m					6.6		11.3			9.9			15.5	8.6	
66.0m							4.3			8.7			13.8	7.4	
70.0m								3.6		7.6			12.4	6.3	
74.0m								2.9					5.4		
78.0m													4.6		
82.0m													3.8		
86.0m															

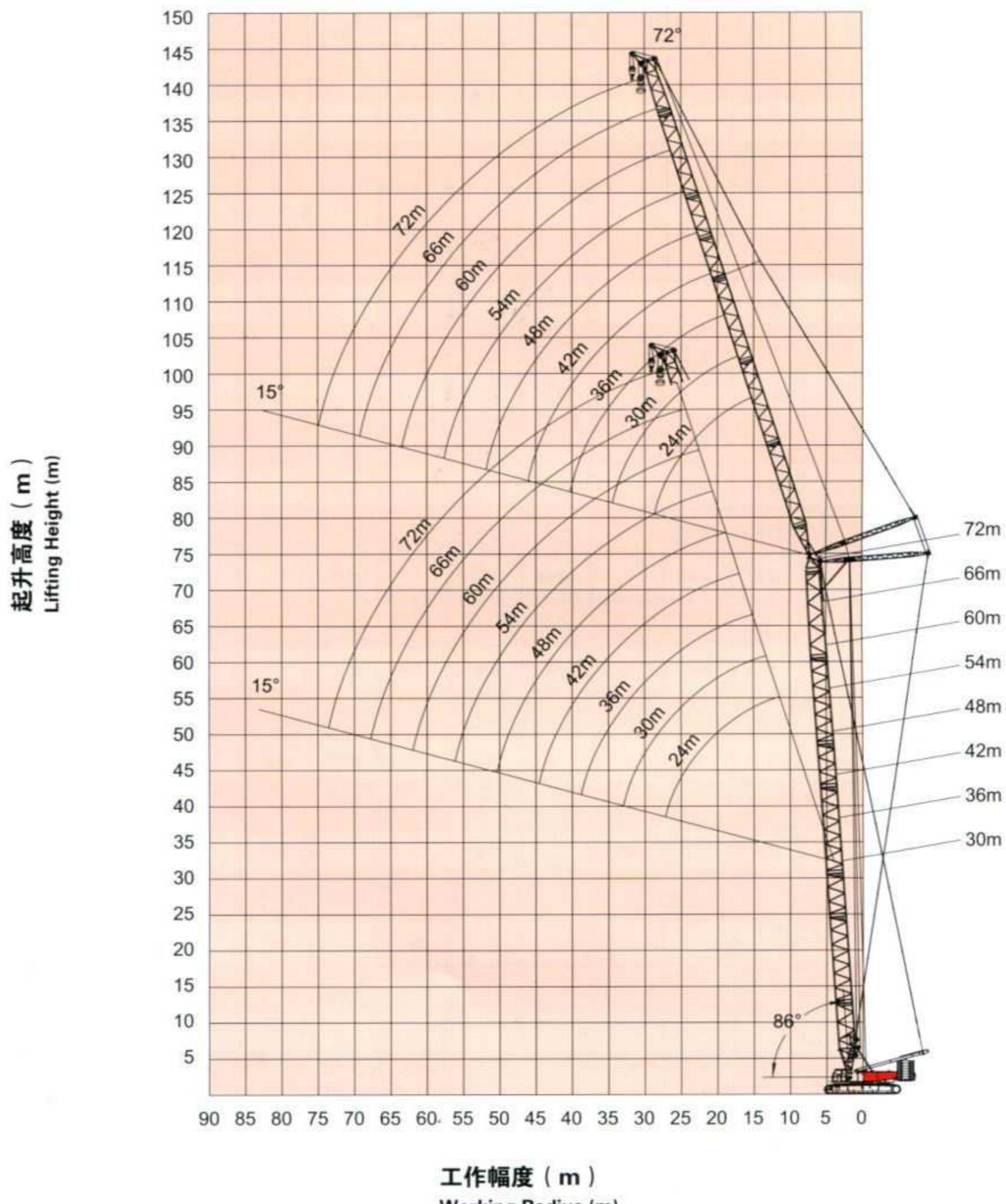


## HT工况作业范围

Working Range (HT)

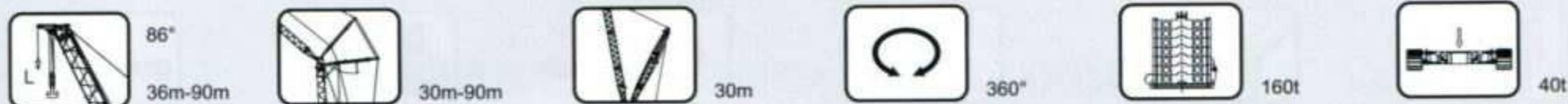
35

### 塔式工况 ( HT ) 作业范围 Working range for luffing jib(HT)



## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)



主臂长 Boom length	36.0m											
	塔臂长 Luffing jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
		14.0m										
16.0m	125.6											
18.0m	109.5	107.4										
20.0m	96.6	95.1	93.5									
22.0m	85.4	84.7	83.9	82.2								
24.0m	76.3	75.7	75.3	74.5	73.1							
26.0m	68.9	68.3	67.9	67.2	66.8	60.6						
28.0m	62.7	62.1	61.7	61.1	60.6	57.5	54.0	46.2				
30.0m	57.4	56.9	56.5	55.8	55.4	54.5	51.3	46.0	38.6			
34.0m		48.4	48.1	47.4	47.0	46.2	44.0	44.4	36.8	30.3	21.1	
38.0m			41.6	41.0	40.6	39.7	38.7	38.6	34.7	28.6	19.0	
42.0m				35.9	35.5	34.6	34.2	33.6	33.1	26.4	17.3	
46.0m				31.7	31.3	30.5	30.1	29.4	29.0	24.7	15.8	
50.0m					27.9	27.1	26.7	26.0	25.6	23.2	14.7	
54.0m						24.2	23.8	23.2	22.7	21.0	14.0	
58.0m							21.4	20.7	20.3	19.1	13.3	
62.0m							19.2	18.6	18.2	17.5	12.6	
66.0m								16.7	16.3	15.7	12.0	
70.0m									14.7	14.1	11.0	
74.0m										12.6	10.0	



## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

37



86°

36m-90m



30m-90m



30m



360°



160t



40t

主臂长 Boom length	42.0m										
	塔臂长 Luffing Jib length										
		30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m	122.8										
18.0m	107.3	105.1									
20.0m	95.1	93.2	91.6								
22.0m	84.9	83.7	82.2	80.6							
24.0m	75.9	75.2	74.5	73.0	70.3						
26.0m	68.5	67.9	67.4	66.7	65.5	59.7					
28.0m	62.3	61.7	61.3	60.6	60.2	58.5	52.6				
30.0m	57.1	56.5	56.1	55.4	55.0	54.1	49.0	42.7			
34.0m		48.1	47.7	47.1	46.7	45.8	45.4	41.9	34.7	26.7	19.5
38.0m			41.3	40.7	40.3	39.4	39.0	38.3	33.1	25.0	18.3
42.0m			36.2	35.6	35.2	34.4	33.9	33.3	31.4	23.8	16.5
46.0m				31.5	31.1	30.3	29.8	29.2	28.7	22.9	15.1
50.0m					27.7	26.9	26.4	25.8	25.3	21.5	13.9
54.0m						24.0	23.6	22.9	22.5	20.3	13.0
58.0m							21.2	20.5	20.1	19.3	12.3
62.0m								19.0	18.4	18.0	11.7
66.0m									16.6	16.1	10.3
70.0m										14.5	9.1
74.0m											12.5
78.0m											7.0

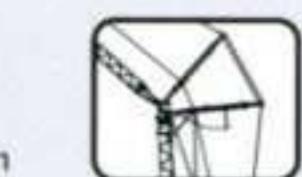
## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

38



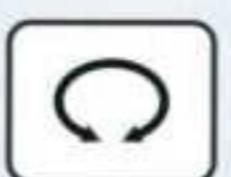
86°



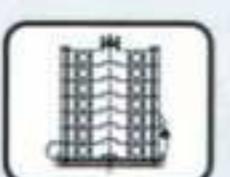
36m-90m



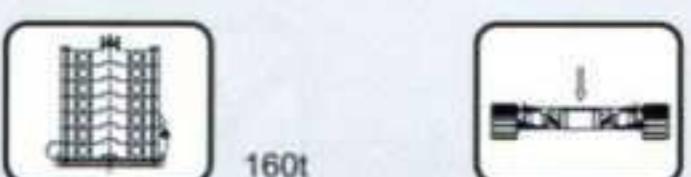
30m-90m



30m



360°



160t



40t

主臂长 Boom length	48.0m										
	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
14.0m											
16.0m	120.0										
18.0m	104.9	102.8									
20.0m	93.1	91.3	89.6								
22.0m	83.7	82.0	80.5	78.8							
24.0m	75.4	74.3	73.0	71.5	69.8						
26.0m	68.0	67.4	66.7	65.3	64.1	58.8					
28.0m	61.9	61.3	60.8	60.1	58.9	57.5	50.4				
30.0m	56.7	56.1	55.7	55.0	54.5	53.1	47.7	42.3			
34.0m		47.8	47.4	46.7	46.3	45.4	44.7	40.5	30.8	24.1	
38.0m			41.0	40.4	39.9	39.1	38.6	38.0	28.5	22.4	17.6
42.0m			36.0	35.3	34.9	34.1	33.6	32.9	26.8	20.1	15.8
46.0m				31.2	30.8	30.0	29.6	28.9	25.6	18.2	14.3
50.0m					27.5	26.6	26.2	25.5	23.8	16.7	13.1
54.0m						23.8	23.4	22.7	22.3	15.5	12.2
58.0m						21.4	20.9	20.3	19.8	14.5	11.4
62.0m							18.8	18.2	17.8	12.7	10.9
66.0m								16.4	15.9	11.2	9.5
70.0m									14.3	9.7	8.2
74.0m										8.4	
78.0m										7.2	



## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

39



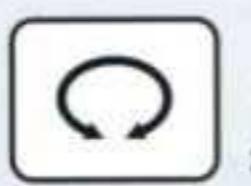
86°



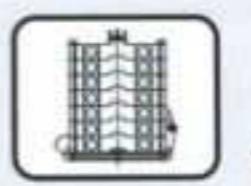
30m-90m



30m



360°



160t



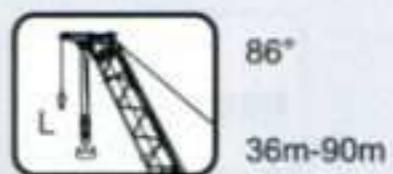
40t

主臂长 Boom length	54.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m											
18.0m	102.6										
20.0m	91.1	89.2	82.0								
22.0m	81.9	80.2	78.7	70.7							
24.0m	74.4	72.8	71.4	68.4	62.8						
26.0m	67.5	66.6	65.3	63.9	61.6	57.4					
28.0m	61.5	60.8	60.1	58.8	57.6	55.2	47.2				
30.0m	56.3	55.7	55.2	54.4	53.3	51.9	45.5	40.0			
34.0m		47.4	47.0	46.3	45.9	44.9	43.7	39.1	29.2	22.6	
38.0m			40.7	40.0	39.6	38.7	38.3	35.0	27.9	20.7	15.9
42.0m			35.7	35.0	34.6	33.7	33.3	32.6	26.1	18.4	14.1
46.0m				31.0	30.5	29.7	29.3	28.6	24.9	16.5	12.6
50.0m					27.2	26.4	25.9	25.2	23.1	14.9	11.3
54.0m						23.5	23.1	22.4	21.6	13.7	10.4
58.0m						21.1	20.7	20.0	19.5	12.7	9.6
62.0m							18.6	18.0	17.5	11.9	9.0
66.0m								16.2	15.8	10.3	8.6
70.0m									13.2	8.9	8.1
74.0m									11.8	7.5	
78.0m										6.3	

## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

40



86°

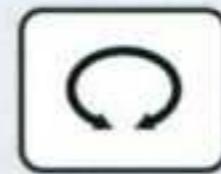
36m-90m



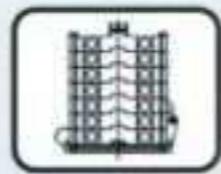
30m-90m



30m



360°



160t



40t

主臂长 Boom length	60.0m											
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
		14.0m										
16.0m												
18.0m	98.5											
20.0m	89.0	84.2										
22.0m	80.1	78.4	73.5									
24.0m	72.7	71.2	69.8	63.6								
26.0m	66.6	65.1	63.9	62.0	55.2	51.6						
28.0m	60.9	60.0	58.8	57.5	54.1	50.1	44.1					
30.0m	55.8	55.2	54.5	53.2	52.1	48.5	43.2	37.7				
34.0m		47.0	46.6	45.9	45.2	43.9	41.5	36.6	27.7	20.0		
38.0m		40.7	40.3	39.6	39.2	38.3	37.4	34.5	26.3	19.1	13.3	
42.0m			35.3	34.7	34.2	33.4	32.9	32.0	24.5	17.7	11.4	
46.0m				30.6	30.2	29.4	28.9	28.2	23.2	16.8	10.8	
50.0m					26.9	26.1	25.6	24.9	21.4	15.2	9.6	
54.0m						23.3	22.8	22.1	19.9	13.9	8.6	
58.0m						20.9	20.4	19.8	18.7	12.9	7.8	
62.0m							18.4	17.7	16.7	12.1	7.2	
66.0m								15.9	14.9	10.5	6.8	
70.0m									13.4	9.0	5.4	
74.0m									11.9	7.7		



## HTS工况额定起重能力表

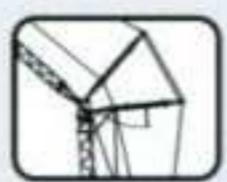
## Rated Lifting Capacity Load Chart (HTS)

41



86°

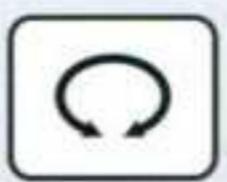
36m-90m



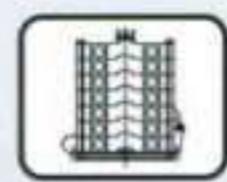
30m-90m



30m



360°



160t



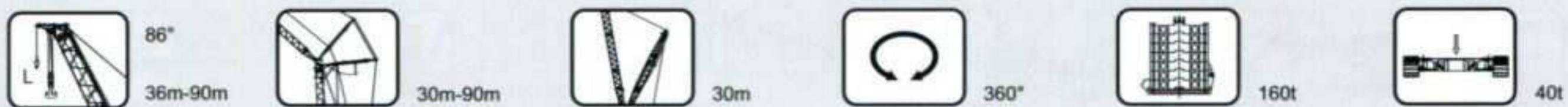
40t

主臂长 Boom length	66.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m											
18.0m	86.9										
20.0m	81.5	77.5									
22.0m	76.7	73.0	69.3								
24.0m	71.1	69.0	65.5	59.8							
26.0m	65.1	63.6	63.1	58.5	53.1						
28.0m	60.1	58.7	57.5	55.6	50.4	42.8					
30.0m	55.3	54.4	53.2	51.9	48.9	41.4	40.0	35.2			
34.0m		46.6	46.1	45.1	44.1	40.2	38.1	33.0	25.2	18.4	
38.0m		40.3	39.9	39.2	38.8	37.6	35.3	30.5	23.7	16.5	11.6
42.0m			35.0	34.3	33.9	33.0	32.4	27.9	21.9	15.1	10.6
46.0m				30.3	29.9	29.0	28.6	24.6	20.6	14.1	10.1
50.0m					26.6	25.7	25.3	21.9	18.7	13.5	8.8
54.0m					23.8	23.0	22.5	19.5	17.1	12.1	7.8
58.0m						20.6	20.2	17.5	15.9	11.1	7.0
62.0m							18.1	15.7	13.9	10.3	6.4
66.0m									12.1	9.6	5.9
70.0m									10.5	8.1	4.6
74.0m									9.1	6.8	
78.0m										5.6	

## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

42



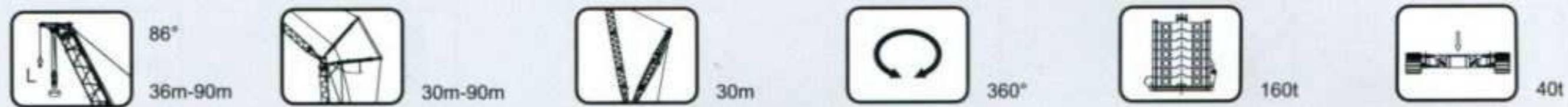
主臂长 Boom length	72.0m										
	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
14.0m											
16.0m											
18.0m	75.0										
20.0m	70.1	66.5									
22.0m	65.9	62.5	59.2								
24.0m	62.1	58.9	55.8	52.4							
26.0m	58.7	55.7	52.7	49.5	46.4						
28.0m	55.6	52.8	50.0	46.9	43.9	39.6					
30.0m	52.9	50.2	47.5	44.5	41.7	38.5	36.9				
34.0m		45.6	43.1	40.4	37.8	34.9	35.8	34.8	23.7		
38.0m		39.9	39.5	36.9	34.5	31.8	33.9	32.5	22.2	15.9	9.9
42.0m			34.6	33.9	31.7	29.1	31.5	30.0	20.3	14.4	8.9
46.0m				30.0	29.3	26.8	28.2	27.2	18.9	13.4	8.3
50.0m					26.3	24.8	24.9	24.3	17.9	11.7	7.0
54.0m					23.5	22.7	22.2	21.5	16.4	10.4	6.0
58.0m						20.3	19.9	19.2	15.1	9.3	5.2
62.0m							17.9	17.2	13.1	8.5	4.5
66.0m								15.4	11.3	7.8	4.0
70.0m								13.9	9.7	6.3	
74.0m									8.2	5.9	
78.0m										4.7	



## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

43

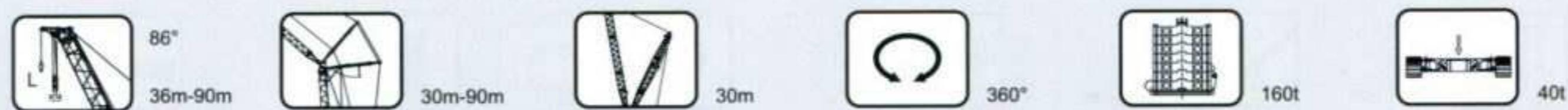


主臂长 Boom length	78.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
16.0m											
18.0m	64.7										
20.0m	60.4	57.1									
22.0m	56.6	53.5	50.4								
24.0m	53.2	50.3	47.4	44.3							
26.0m	50.2	47.4	44.7	41.7	38.9						
28.0m	47.5	44.8	42.3	39.4	36.7	33.7					
30.0m	45.0	42.5	40.0	37.3	34.8	33.3	32.1				
34.0m	40.8	38.5	36.2	33.7	31.3	32.6	30.0	27.7	21.3		
38.0m		35.1	33.0	30.6	28.5	30.9	28.5	25.3	19.6	13.3	8.2
42.0m			30.3	28.1	26.0	29.6	26.6	23.4	18.6	11.7	7.2
46.0m				25.9	23.9	27.6	24.0	21.5	17.2	10.7	6.6
50.0m					22.1	25.1	22.3	19.0	16.2	10.0	6.2
54.0m					20.5	22.3	20.1	17.0	14.6	8.6	5.2
58.0m						20.0	18.2	15.4	13.3	7.5	4.3
62.0m							16.7	13.1	12.3	6.6	
66.0m								11.1	10.5	6.0	
70.0m								9.2	8.8	5.4	
74.0m									7.4		
78.0m											

## HTS工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTS)

44



主臂长 Boom length	84.0m									
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m
16.0m										
18.0m										
20.0m	51.8									
22.0m	48.4	45.5								
24.0m	45.4	42.7	40.0	37.1						
26.0m	42.7	40.1	37.6	34.9	32.3					
28.0m	40.3	37.9	35.5	32.8	30.4	32.5				
30.0m	38.2	35.8	33.5	31.0	28.7	31.9	28.3			
34.0m	34.5	32.3	30.2	27.8	25.7	30.1	27.7	24.5	19.3	
38.0m		29.3	27.4	25.2	23.1	27.7	25.6	22.6	17.6	12.2
42.0m			25.0	22.9	21.0	25.7	23.0	21.1	16.2	11.1
46.0m				21.0	19.2	24.0	21.8	18.9	14.6	10.0
50.0m				19.4	17.6	22.5	20.9	17.1	13.5	9.2
54.0m					16.3	21.2	18.2	15.3	11.9	7.8
58.0m						19.7	16.7	13.7	10.6	6.7
62.0m							15.0	12.3	9.5	5.8
66.0m								10.3	7.7	5.1
70.0m								9.4	6.0	4.6
74.0m									4.5	4.2



## HTS工况额定起重能力表

45

## Rated Lifting Capacity Load Chart (HTS)



86°

36m-90m



30m-90m



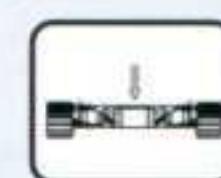
30m



360°



160t



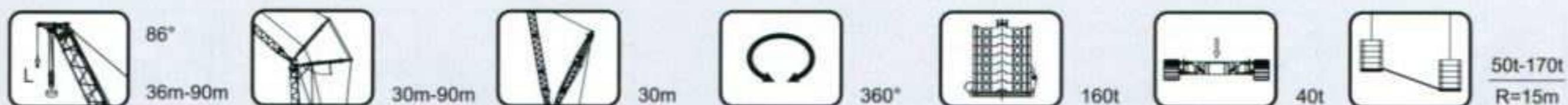
40t

主臂长 Boom length	90.0m									
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m
工作幅度 Working radius	16.0m									
	18.0m									
	20.0m	44.3								
	22.0m	41.3	38.6							
	24.0m	38.6	36.1	33.6						
	26.0m	36.3	33.8	31.5	28.9					
	28.0m	34.2	31.8	29.6	27.2	24.9				
	30.0m	32.3	30.0	27.9	25.5	23.4	22.8	19.4		
	34.0m	29.1	27.0	25.0	22.8	20.7	20.3	17.2	14.2	12.2
	38.0m		24.4	22.5	20.5	18.6	18.3	16.5	13.6	11.8
	42.0m			20.5	18.5	16.7	16.6	15.2	12.4	10.7
	46.0m				16.9	15.2	14.1	13.3	11.5	9.9
	50.0m				15.5	13.8	12.8	11.6	10.9	8.4
	54.0m					12.7	11.7	10.1	9.4	7.1
	58.0m						10.8	9.9	8.7	5.8
	62.0m							8.7	7.5	4.7
	66.0m								6.5	3.3
	70.0m									2.8

## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

46



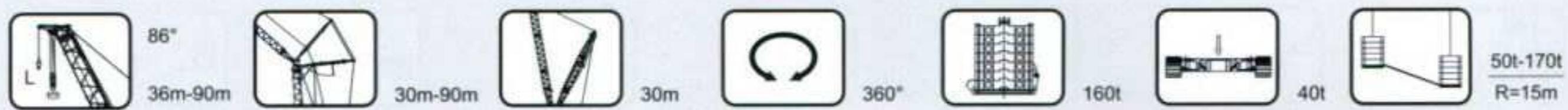
主臂长 Boom length	36.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m	154.1										
18.0m	146.6	139.2									
20.0m	140.3	132.5	115.9								
22.0m	135.4	126.9	110.1	94.0							
24.0m	128.5	122.2	107.1	92.0	74.9						
26.0m	120.3	118.3	103.9	91.0	73.2	62.6					
28.0m	111.2	109.9	100.2	90.0	72.1	60.5	54.0	46.2			
30.0m	100.9	99.9	98.5	86.0	70.6	56.8	52.3	46.0	38.6		
34.0m		92.1	83.2	79.6	66.0	54.6	49.0	44.4	36.8	30.3	21.1
38.0m			71.6	70.5	61.1	50.7	46.7	42.6	34.7	28.6	19.0
42.0m				63.5	59.5	47.8	43.1	40.4	33.1	26.4	17.3
46.0m				56.3	54.8	44.8	40.3	38.9	31.0	24.7	15.8
50.0m					50.0	41.5	37.9	36.8	29.3	23.2	14.7
54.0m						37.8	36.0	35.1	27.9	21.0	14.0
58.0m							34.4	33.7	25.8	19.1	13.3
62.0m							33.1	31.6	23.9	18.4	12.6
66.0m								29.7	22.3	17.8	12.0
70.0m									20.7	16.4	11.0
74.0m										15.1	10.0



## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

47

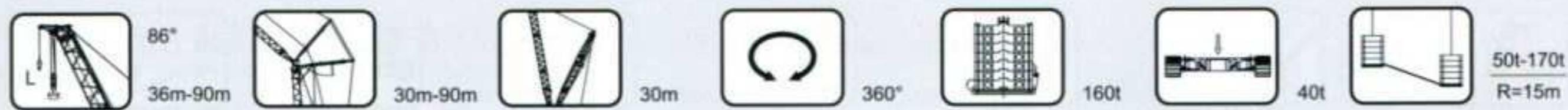


主臂长 Boom length	42.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m	146.3										
18.0m	139.5	122.6									
20.0m	133.7	120.6	104.2								
22.0m	128.8	117.5	101.1	89.0							
24.0m	124.7	112.0	99.5	84.6	70.3						
26.0m	121.4	107.1	96.5	80.5	69.5	59.7					
28.0m	113.6	103.8	93.0	79.0	68.3	58.5	52.6				
30.0m	102.9	97.9	89.9	76.9	66.7	56.7	49.0	44.7			
34.0m		90.6	84.6	73.7	62.9	54.4	47.6	42.9	34.7	26.7	19.5
38.0m			78.6	69.5	59.9	52.4	45.2	39.0	33.1	25.0	18.3
42.0m			67.2	60.4	57.5	47.8	42.6	37.8	31.4	23.8	16.5
46.0m				56.0	54.8	44.8	40.6	36.2	29.3	22.9	15.1
50.0m					50.0	42.5	38.2	34.1	27.6	21.5	13.9
54.0m						39.8	36.2	32.4	25.2	20.3	13.0
58.0m							34.6	30.9	23.0	19.3	12.3
62.0m							33.3	29.8	21.1	18.6	11.7
66.0m								28.9	19.4	17.0	10.3
70.0m									17.9	15.6	9.1
74.0m										13.3	8.0
78.0m										11.1	7.0

## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

48



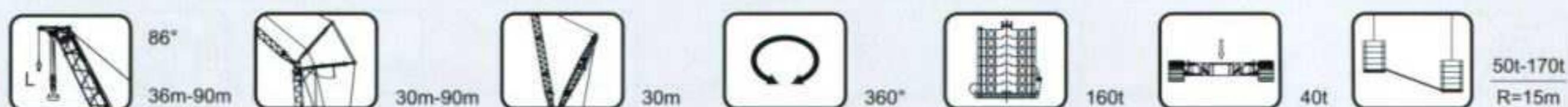
主臂长 Boom length	48.0m										
塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
14.0m											
16.0m	134.1										
18.0m	127.6	111.3									
20.0m	121.9	105.6	92.7								
22.0m	117.1	103.7	90.8	79.1							
24.0m	113.1	99.3	88.5	77.0	69.8						
26.0m	109.6	96.6	86.7	75.2	66.2	58.8					
28.0m	105.0	92.3	83.3	73.8	62.9	57.6	50.4				
30.0m	100.3	89.5	79.3	71.8	61.9	56.7	47.7	42.3			
34.0m		85.1	75.3	67.6	58.9	54.2	45.2	40.5	30.8	24.1	
38.0m			71.8	63.3	56.6	50.0	43.7	38.5	28.5	22.4	17.6
42.0m			66.1	59.2	53.8	47.0	42.0	37.3	26.8	20.1	15.8
46.0m				55.7	50.9	44.8	40.0	35.6	25.6	18.2	14.3
50.0m					48.0	41.4	38.6	34.4	23.8	16.7	13.1
54.0m						38.5	36.5	32.6	22.4	15.5	12.2
58.0m						36.2	34.9	31.2	20.2	14.5	11.4
62.0m							32.5	29.0	18.3	12.7	10.9
66.0m								27.1	16.6	11.2	9.5
70.0m									15.0	9.7	8.2
74.0m										8.4	
78.0m										7.2	



## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

49



主臂长 Boom length	54.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m											
18.0m	108.0										
20.0m	105.9	94.9	82.0								
22.0m	100.0	92.4	80.7	70.7							
24.0m	98.6	89.4	78.0	68.4	62.8						
26.0m	93.8	85.9	74.7	66.3	61.6	54.4					
28.0m	89.3	82.7	72.8	64.7	60.6	53.2	47.2				
30.0m	86.3	79.9	70.3	63.3	59.4	52.2	45.5	40.0			
34.0m		76.2	66.1	61.4	57.8	49.9	43.8	39.1	29.2	22.6	
38.0m			63.5	57.2	54.8	45.7	41.2	37.0	27.9	20.7	15.9
42.0m			60.8	54.8	50.9	42.6	39.5	34.7	26.1	18.4	14.1
46.0m				53.0	47.5	40.3	37.4	33.0	24.9	16.5	12.6
50.0m					44.5	38.8	35.9	31.7	23.1	14.9	11.3
54.0m						36.9	33.8	28.9	21.6	13.7	10.4
58.0m						34.5	32.1	26.4	19.5	12.7	9.6
62.0m							30.8	24.2	17.5	11.9	9.0
66.0m								22.3	15.8	10.3	8.6
70.0m									13.2	8.9	8.1
74.0m									11.8	7.5	
78.0m										6.3	

## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

50

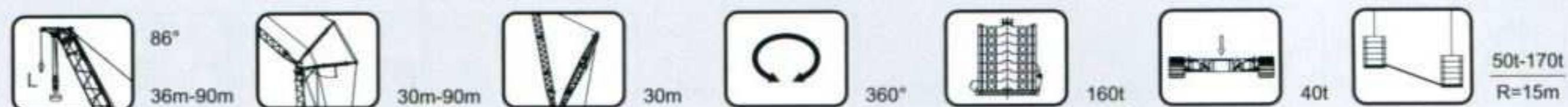


主臂长 Boom length	60.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m											
18.0m	98.5										
20.0m	94.5	84.2									
22.0m	90.2	82.2	73.5								
24.0m	86.5	78.6	71.5	63.6							
26.0m	83.2	76.6	70.0	62.0	55.2	51.6					
28.0m	80.2	72.9	67.2	60.7	54.1	50.1	44.1				
30.0m	77.7	69.6	65.3	59.7	53.3	48.5	43.2	37.7			
34.0m		66.6	60.7	55.4	51.3	45.8	41.5	36.6	27.7	20.0	
38.0m		64.6	57.9	52.9	48.0	42.8	38.8	34.5	26.3	19.1	13.3
42.0m			54.9	49.1	45.4	40.3	35.9	32.1	24.5	17.7	11.4
46.0m				45.7	42.2	38.3	33.8	30.3	23.2	16.8	10.8
50.0m					40.4	36.6	31.2	28.0	21.4	15.2	9.6
54.0m						34.3	29.1	26.2	19.9	13.9	8.6
58.0m						30.9	27.4	23.7	18.7	12.9	7.8
62.0m							25.0	21.4	16.7	12.1	7.2
66.0m								19.5	14.9	10.5	6.8
70.0m									13.4	9.0	5.4
74.0m									11.9	7.7	



## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

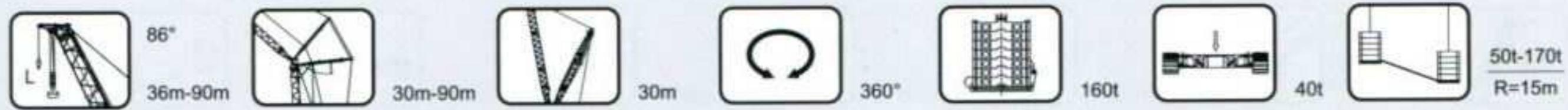


主臂长 Boom length	66.0m											
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
		14.0m										
16.0m												
18.0m	90.9											
20.0m	86.5	77.5										
22.0m	84.7	75.0	69.3									
24.0m	82.5	72.0	65.5	59.8								
26.0m	78.6	70.4	63.1	58.5	53.1							
28.0m	75.2	66.1	59.0	56.6	50.4	42.8						
30.0m	72.0	63.1	58.2	54.9	48.9	41.4	40.0					
34.0m		60.9	56.2	52.3	46.4	40.2	38.1	35.2	25.2	18.4		
38.0m		58.5	54.1	49.3	44.7	38.7	35.3	33.0	23.7	16.5	11.6	
42.0m			52.5	46.9	42.5	37.6	33.4	30.5	21.9	15.1	10.6	
46.0m				45.0	40.7	35.0	31.2	28.7	20.6	14.1	10.1	
50.0m					38.3	32.7	28.6	26.4	18.7	13.5	8.8	
54.0m					36.2	30.7	26.4	24.5	17.1	12.1	7.8	
58.0m						28.9	23.7	22.9	15.9	11.1	7.0	
62.0m							21.2	20.7	13.9	10.3	6.4	
66.0m								18.6	12.1	9.6	5.9	
70.0m									10.5	8.1	4.6	
74.0m									9.1	6.8		
78.0m										5.6		

## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

**52**

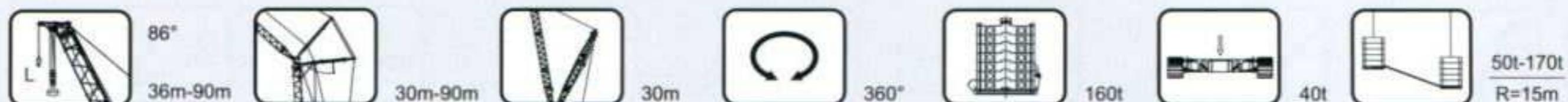


主臂长 Boom length	72.0m										
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
14.0m											
16.0m											
18.0m	79.0										
20.0m	77.1	69.5									
22.0m	75.9	67.5	61.2								
24.0m	72.1	65.9	59.8	53.4							
26.0m	69.7	63.7	57.7	51.5	46.4						
28.0m	68.6	61.8	56.0	50.0	44.9	39.6					
30.0m	66.9	59.2	54.5	49.5	43.7	38.5	36.9				
34.0m		56.6	52.1	46.4	41.8	36.9	35.8	34.8	23.7		
38.0m			54.7	50.5	44.9	39.5	34.8	33.9	32.5	22.2	15.9
42.0m				48.3	42.0	37.7	33.1	31.9	30.0	20.3	14.4
46.0m					40.4	35.3	31.8	29.6	28.1	18.9	13.4
50.0m						33.2	30.8	27.9	26.7	17.9	11.7
54.0m							31.4	29.1	25.8	24.8	16.4
58.0m								27.5	23.0	22.2	15.1
62.0m									21.5	20.9	13.1
66.0m										18.9	11.3
70.0m										16.0	9.7
74.0m											8.2
78.0m											4.7



## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

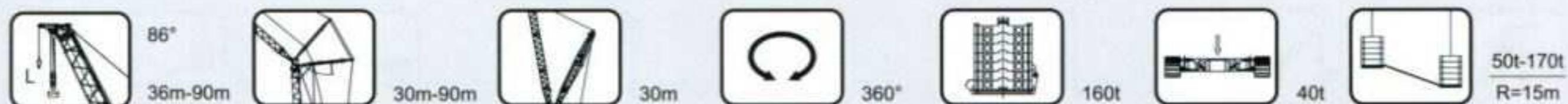


主臂长 Boom length	78.0m										
	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m	90.0m
16.0m											
18.0m	72.7										
20.0m	69.4	62.1									
22.0m	67.6	60.5	55.4								
24.0m	65.2	58.3	53.4	48.3							
26.0m	63.2	56.4	51.7	46.7	40.9						
28.0m	61.5	53.8	49.3	45.4	39.7	33.7					
30.0m	59.0	51.5	48.0	44.3	38.8	33.3	32.1				
34.0m	56.8	49.5	46.2	41.7	36.3	32.6	30.0	27.7	21.3		
38.0m		47.1	43.0	40.6	34.5	30.9	28.5	25.3	19.6	13.3	8.2
42.0m			40.3	38.1	33.0	29.6	26.6	23.4	18.6	11.7	7.2
46.0m				35.9	31.9	27.6	24.0	21.5	17.2	10.7	6.6
50.0m					30.1	26.4	22.3	19.0	16.2	10.0	6.2
54.0m					28.5	25.3	20.1	17.0	14.6	8.6	5.2
58.0m						24.0	18.2	15.4	13.3	7.5	4.3
62.0m							16.7	13.1	12.3	6.6	
66.0m								11.1	10.5	6.0	
70.0m								9.2	8.8	5.4	
74.0m									7.4		
78.0m											

## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)

**54**

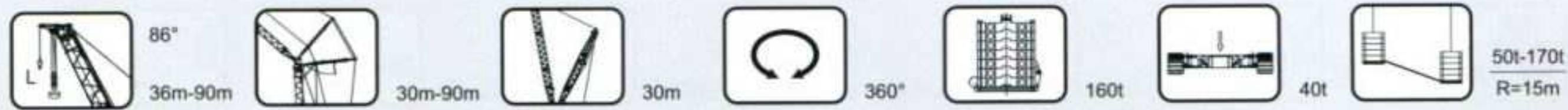


主臂长 Boom length	84.0m									
	塔臂长 Luffing Jib length	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m
16.0m										
18.0m										
20.0m	58.8									
22.0m	57.4	53.5								
24.0m	55.4	52.7	46.0	41.1						
26.0m	53.7	51.1	44.6	39.9	36.3					
28.0m	51.3	48.9	43.5	38.8	35.4	32.5				
30.0m	49.2	46.8	42.5	38.0	34.7	31.9	28.3			
34.0m	46.5	44.3	40.2	35.8	32.7	30.1	27.7	24.5	19.3	
38.0m		42.3	38.4	34.2	31.1	27.7	25.6	22.6	17.6	12.2
42.0m			36.0	31.9	29.0	25.7	23.0	21.1	16.2	11.1
46.0m				30.0	27.2	24.0	21.8	18.9	14.6	10.0
50.0m				28.4	25.6	22.5	20.9	17.1	13.5	9.2
54.0m					23.3	21.2	18.2	15.3	11.9	7.8
58.0m						20.1	16.7	13.7	10.6	6.7
62.0m							15.0	12.3	9.5	5.8
66.0m								10.3	7.7	5.1
70.0m								9.4	6.0	4.6
74.0m									4.5	4.2



## HTSD工况额定起重能力表

## Rated Lifting Capacity Load Chart (HTSD)



主臂长 Boom length	90.0m									
	30.0m	36.0m	42.0m	48.0m	54.0m	60.0m	66.0m	72.0m	78.0m	84.0m
16.0m										
18.0m										
20.0m	47.3									
22.0m	46.3	46.6								
24.0m	44.6	45.1	39.6							
26.0m	42.3	43.8	38.5	31.9						
28.0m	40.2	41.8	37.6	30.2	26.9					
30.0m	38.3	40.0	36.9	28.5	25.4	22.8	19.4			
34.0m	36.1	37.0	35.0	26.8	23.7	20.3	17.2	14.2	12.2	
38.0m		34.4	32.5	24.5	21.6	18.3	16.5	13.6	11.8	10.6
42.0m			30.5	22.5	19.7	16.6	15.2	12.4	10.7	9.7
46.0m				20.9	17.5	14.1	13.3	11.5	9.9	9.0
50.0m				18.5	15.8	12.8	11.6	10.9	8.4	7.5
54.0m					14.7	11.7	10.1	9.4	7.1	6.1
58.0m						10.8	9.9	8.7	5.8	4.9
62.0m							8.7	7.5	4.7	4.0
66.0m							7.7	6.5		3.3
70.0m										2.8

## 额定起重能力表说明

## Note for Lifting Capacity Load Chart

### 说明

(1) 本起重机符合GB3811标准，同时又满足 ISO 4302、ISO 4305标准。

(2) 额定起重能力表所表示的额定总载荷值为水平坚硬地面上，理想作业条件的最大允许值。

(3) 额定起重能力表所示的值以吨为单位并基于平衡负载而计算，不包括如突然停止的冲击负载，地表状况，风力负荷及操作速度等影响。如在此条件下，驾驶员必须进行减载作业。

(4) 表中的额定起重能力值包括吊钩、钢丝绳和其它吊具的重量，额定起重能力值减去上述项目重量之和得出的才是起吊重量。

(5) 吊钩自重：400吨钩……6.80吨，

100吨钩……3.15吨，

50吨钩……1.50吨，

15吨钩……0.70吨。

(6) 一个400吨双滑轮组吊钩可以转换为200吨单滑轮组吊钩。

(7) 转台配重的质量为160吨，超起配重质量为250吨。

(8) 机器侧面时的稳定值最小。

※ 额定起重能力表所表示的值，有些不是最终结果，随着机器不断改进额定起重能力表的值也随着有所变化。敬请谅解。

### Notes

(1) Rating according to GB3811, ISO4302 and ISO4305.

(2) The rated load in the table is the maximum value when the crane works on the level and firm ground and under the ideal condition.

(3) The values in the table is calculated depending on the stable load, not including impacting load, the hard condition of the ground and operating speed. So the driver should reduce the corresponding load from the capacity ratings.

(4) The value of rated lifting capacity in the table including the weight for hook, wire rope and other lifting tools, lifting weight is the value of rated lifting capacity deducts weight in total above

(5) Hook weight : 400t hook……6.80t,

100t hook……3.15t,

50t hook……1.50t,

15t hook……0.70t.

(6) One 400t double-pulley block hook can be converted into 200t single-pulley block hook

(7) The mass for rotary table's counterweight is 160t, mass of superlift counterweight is 250t.

(8) Stability is minimum at side

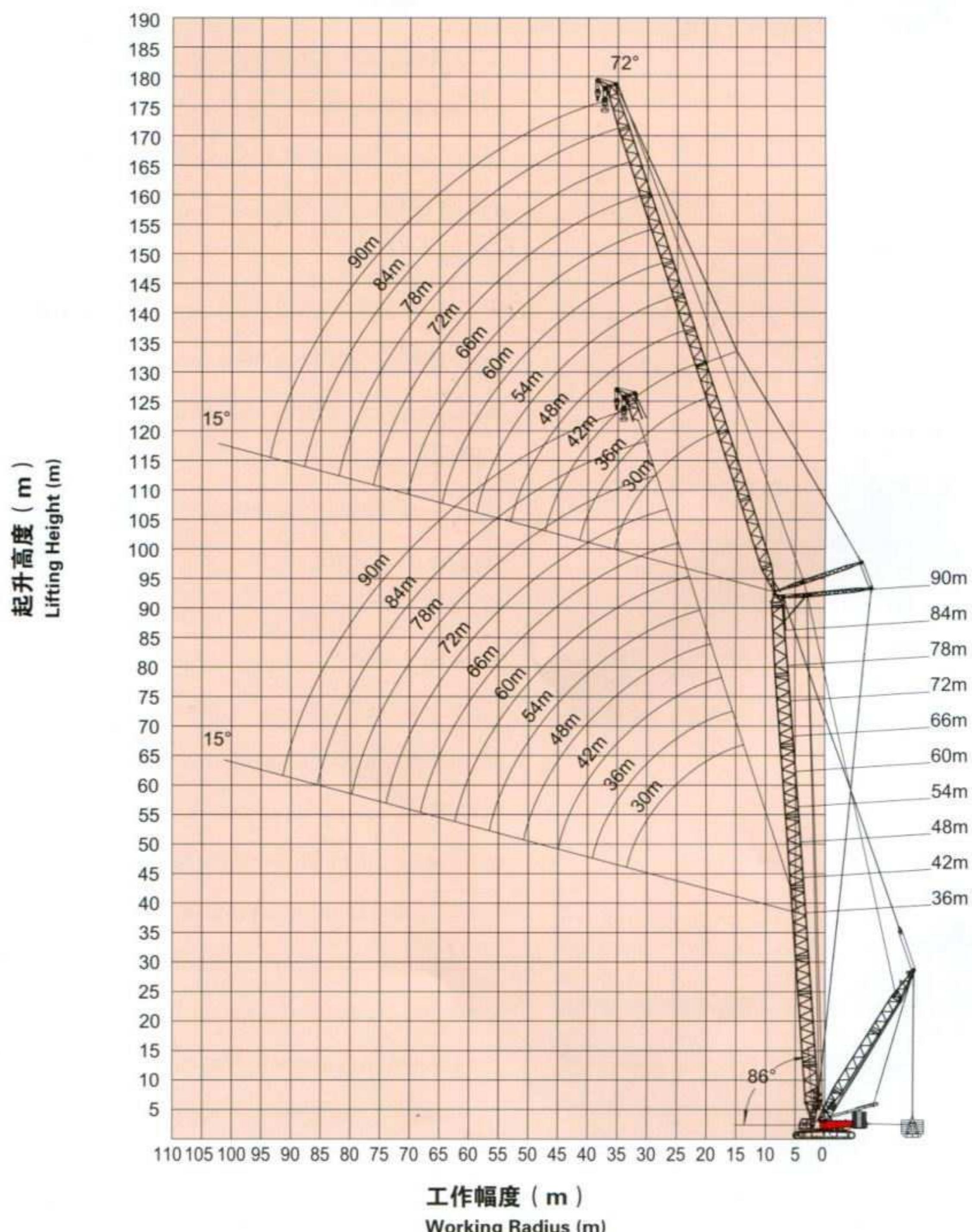
※ Some values in the rated lifting capacity load chart aren't final result, the value in the rated lifting capacity load chart would be changed with some constant improvement for the crane, please kindly understand these.



## HTS、HTSD工况作业范围

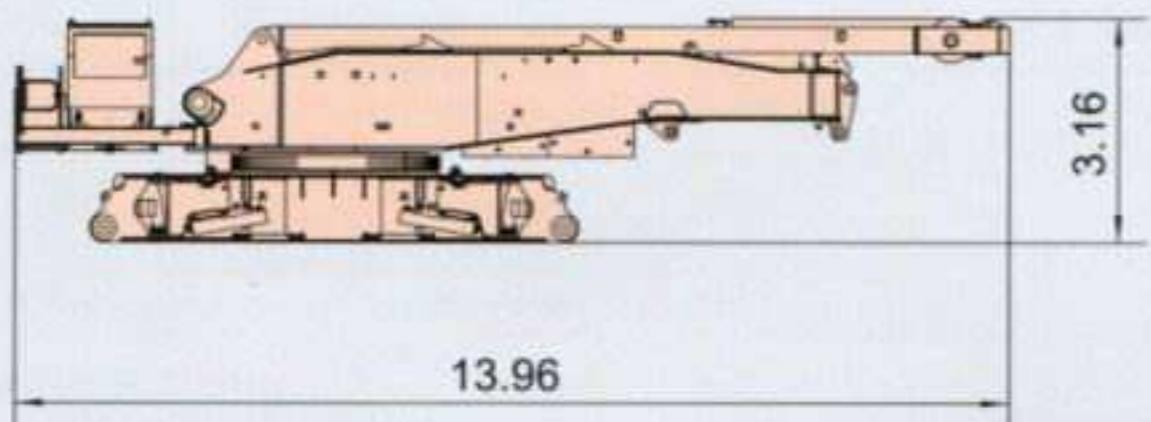
Working Range (HTS、HTSD)

塔式工况 + 超起桅杆 ( HTS ) 作业范围  
塔式工况 + 超起桅杆 + 超起配重 ( HTSD ) 作业范围  
Working range for luffing jib + superlift mast(HTS)  
Working range for luffing jib + superlift mast +  
superlift counterweight ( HTSD )



## 主要零部件运输尺寸

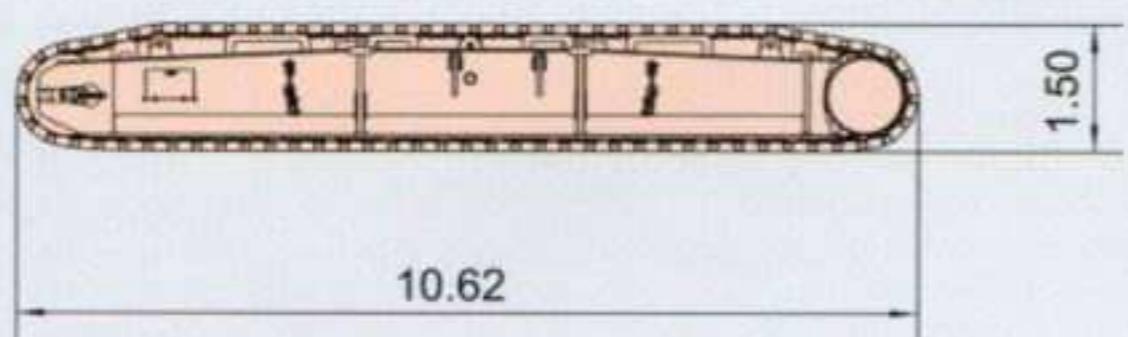
## Dimensions of Main Components for Transport



整机	$\times 1$
长	13.96m
宽	3.10m
高	3.16m
重量	57300kg

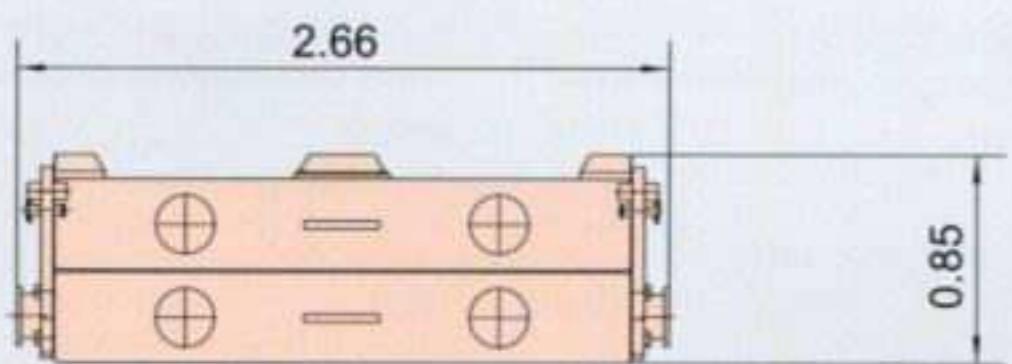
尺寸单位: m Unit: m

Whole carbody	$\times 1$
Length	13.96m
Width	3.10m
Height	3.16m
Weight	57300kg



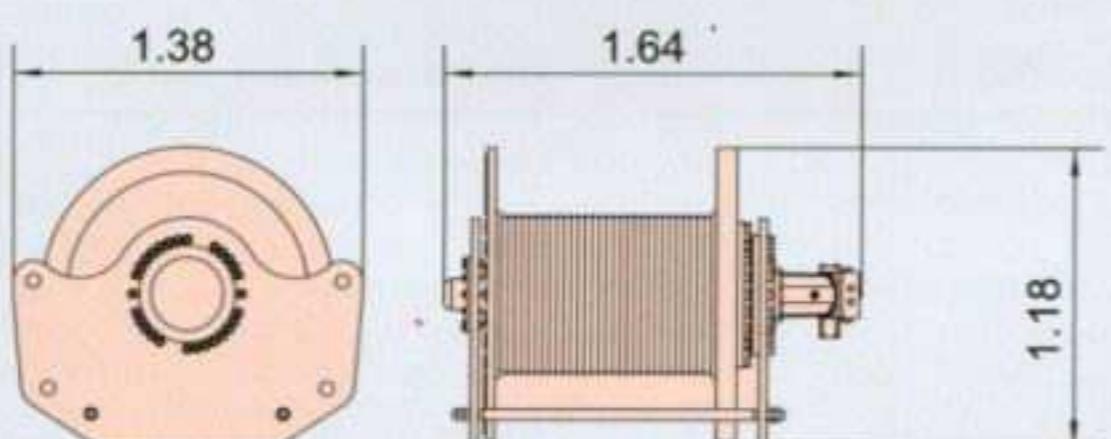
履带总成	$\times 2$
长	10.62m
宽	1.84m
高	1.50m
重量	31600kg

Crawler assembly	$\times 2$
Length	10.62m
Width	1.84m
Height	1.50m
Weight	31600kg



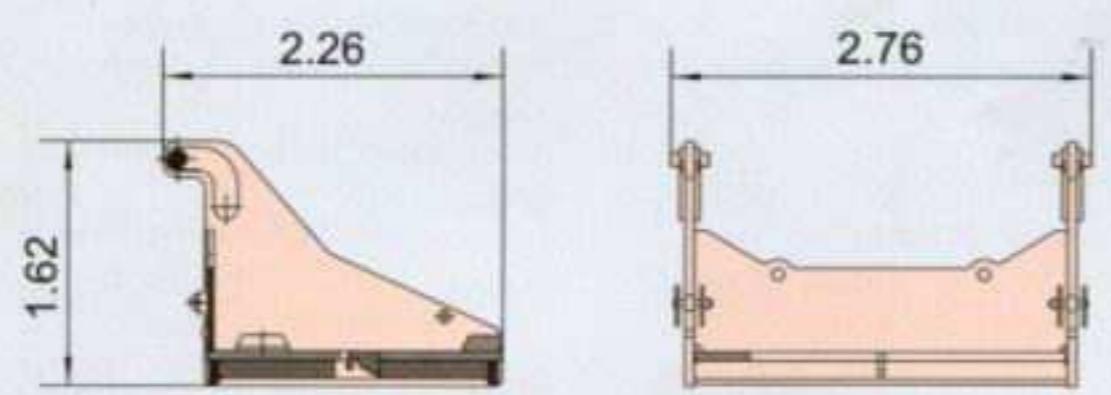
下车压重	$\times 2$
长	2.66m
宽	2.21m
高	0.85m
重量	20689kg

Central ballast	$\times 2$
Length	2.66m
Width	2.21m
Height	0.85m
Weight	20689kg



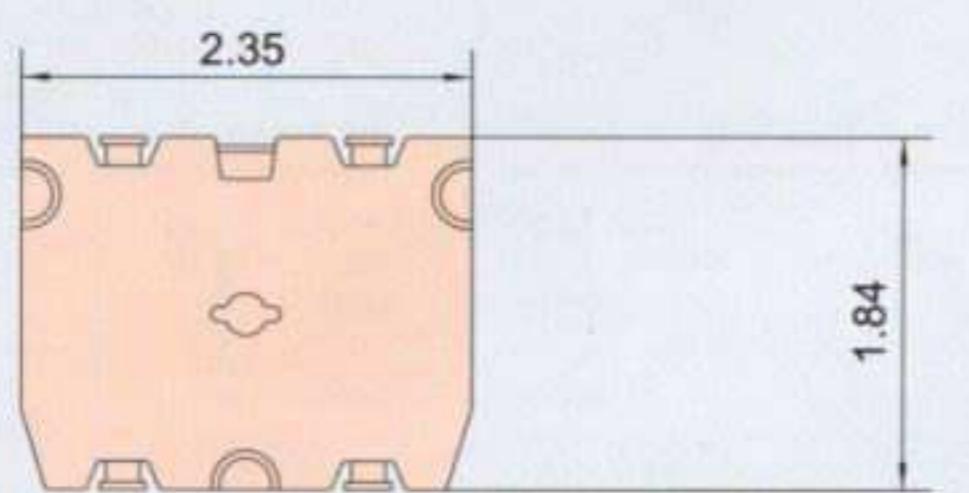
塔臂变幅装置 (含绳)	$\times 1$
长	1.38m
宽	1.64m
高	1.18m
重量	4300kg

Luffing jib derrick device (include rope)	$\times 1$
Length	1.38m
Width	1.64m
Height	1.18m
Weight	4300kg



配重架	$\times 2$
长	2.76m
宽	2.26m
高	1.62m
重量	9170kg

Counterweight frame	$\times 2$
Length	2.76m
Width	2.26m
Height	1.62m
Weight	9170kg

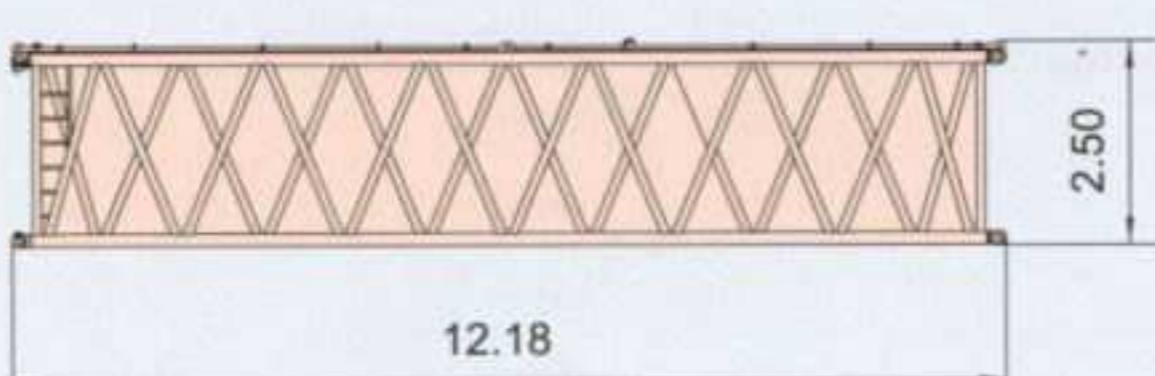
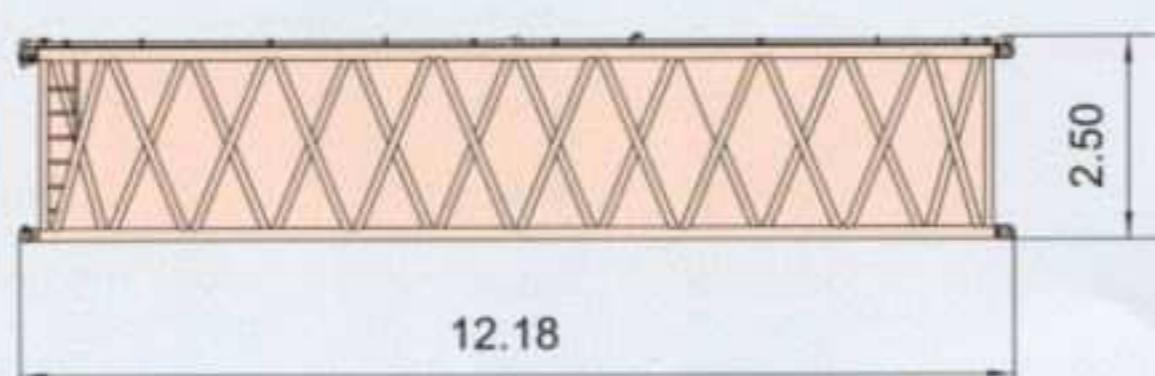
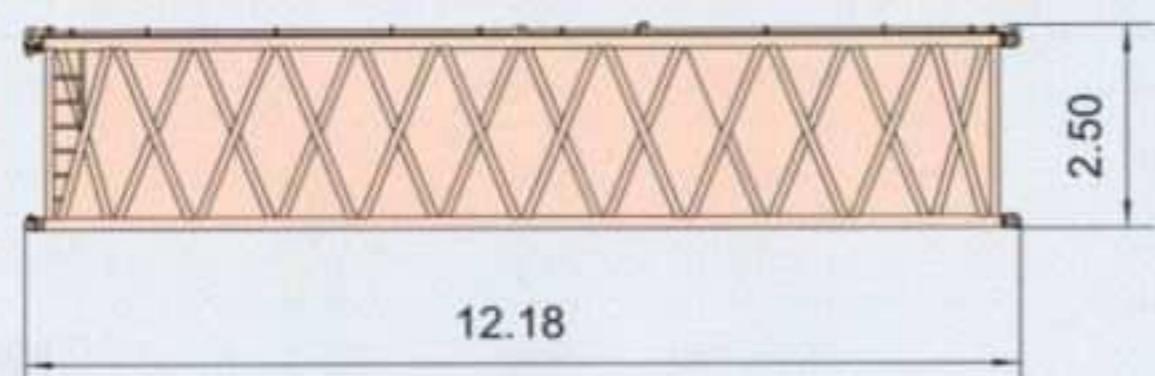
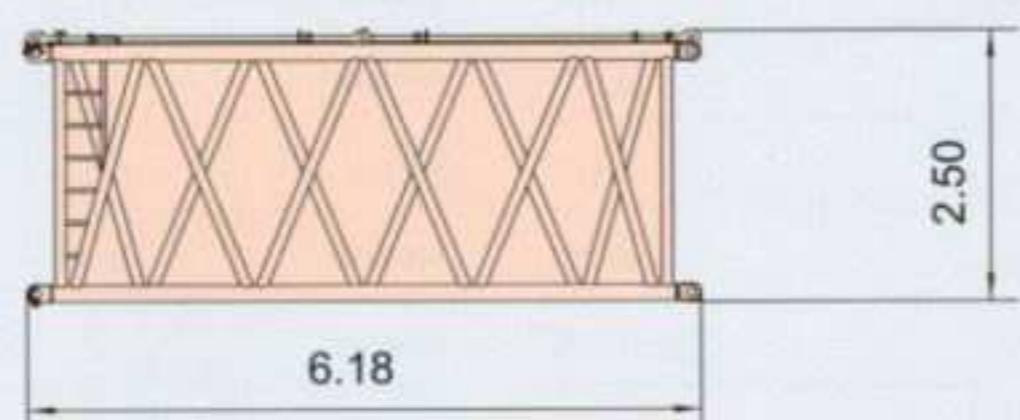
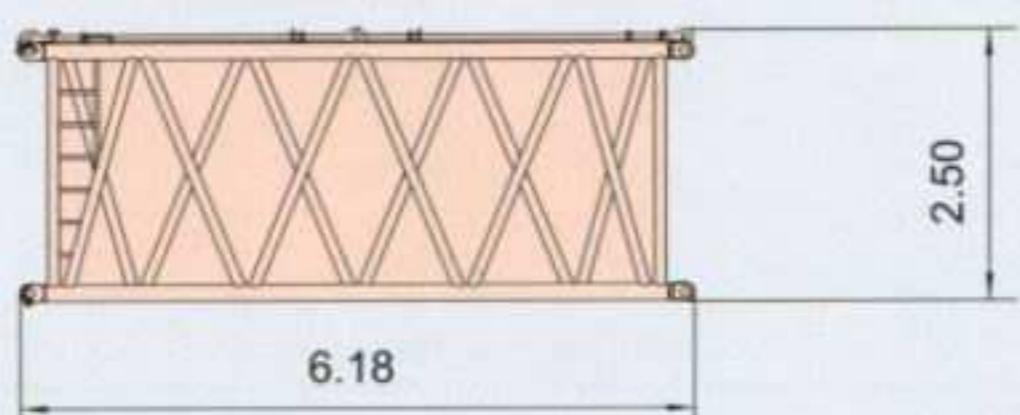
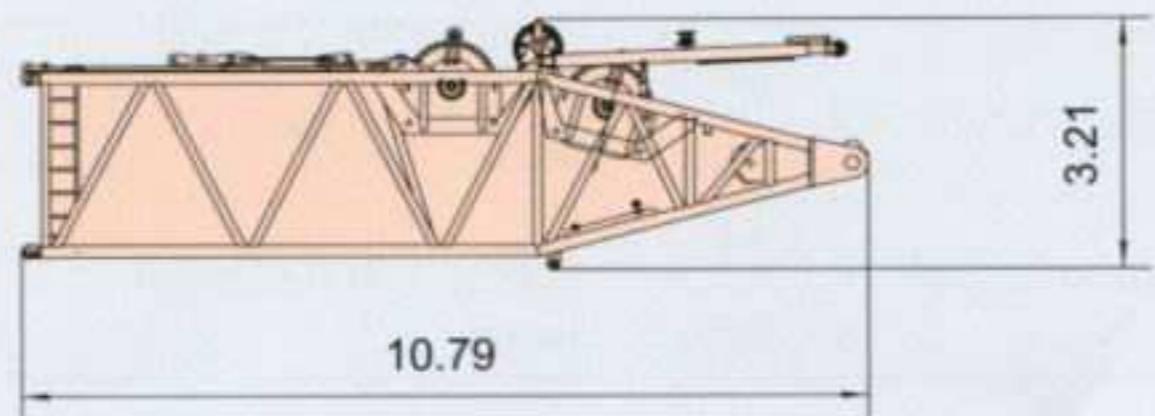


配重块	$\times 14$
长	2.35m
宽	1.84m
高	0.47m
重量	10000kg

Counterweight piece	$\times 14$
Length	2.35m
Width	1.84m
Height	0.47m
Weight	10000kg



## 主要零部件运输尺寸



## Dimensions of Main Components for Transport

尺寸单位: m Unit: m

主臂基础臂节 (带主、副卷扬) × 1	Boom foot (with main/aux.winch) × 1
长 Length	10.79m
宽 Width	2.88m
高 Height	3.21m
重量 Weight	18950kg

主臂6米中间臂节 A × 1	6m intermediate section A × 1
长 Length	6.18m
宽 Width	2.86m
高 Height	2.50m
重量 Weight	3294kg

主臂6米中间臂节 B × 1	6m intermediate section B × 1
长 Length	6.18m
宽 Width	2.86m
高 Height	2.50m
重量 Weight	3051kg

主臂12米中间臂节 A × 1	12m intermediate section A × 1
长 Length	12.18m
宽 Width	2.86m
高 Height	2.50m
重量 Weight	5790kg

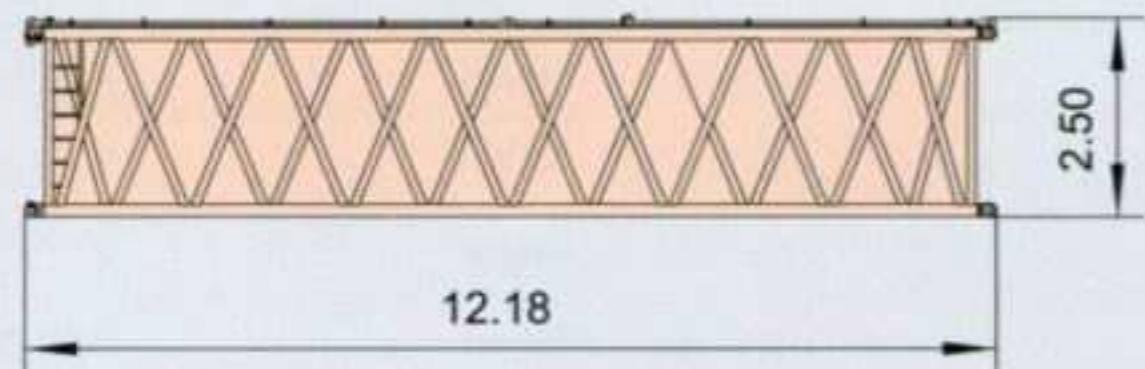
主臂12米中间臂节 B × 1	12m intermediate section B × 1
长 Length	12.18m
宽 Width	2.86m
高 Height	2.50m
重量 Weight	5590kg

主臂12米中间臂节 C × 1	12m intermediate section C × 1
长 Length	12.18m
宽 Width	2.86m
高 Height	2.50m
重量 Weight	5407kg

## 主要零部件运输尺寸

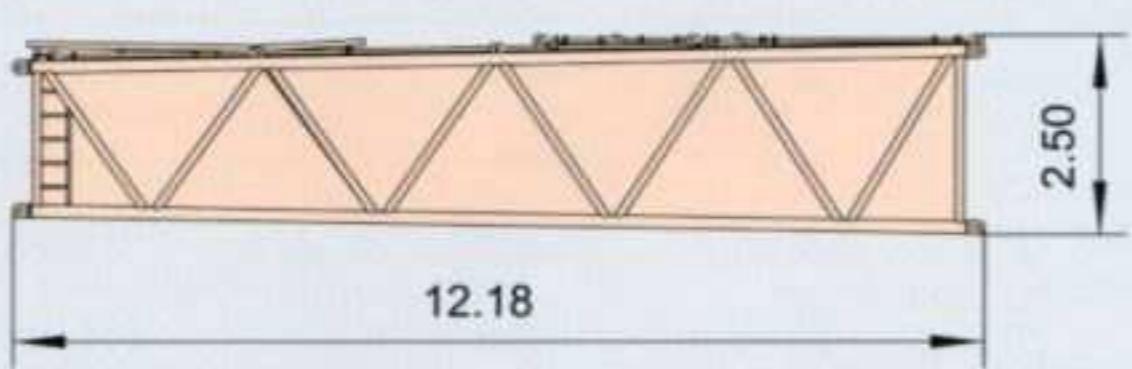
## Dimensions of Main Components for Transport

尺寸单位: m Unit: m



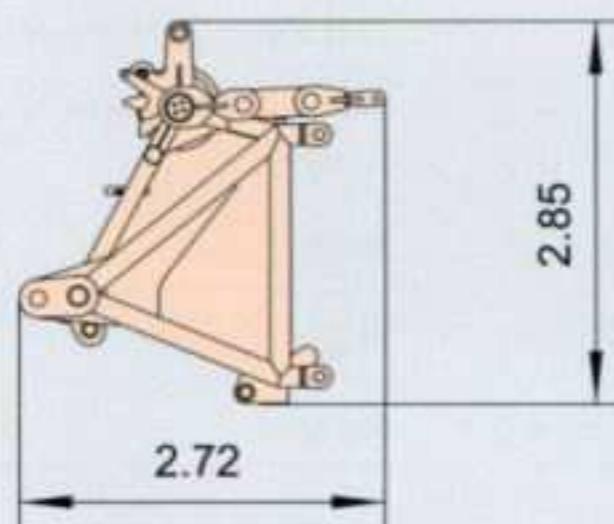
主臂12米中间臂节D	×2
长	12.18m
宽	2.86m
高	2.50m
重量	5296kg

12m intermediate section D	×2
Length	12.18m
Width	2.86m
Height	2.50m
Weight	5296kg



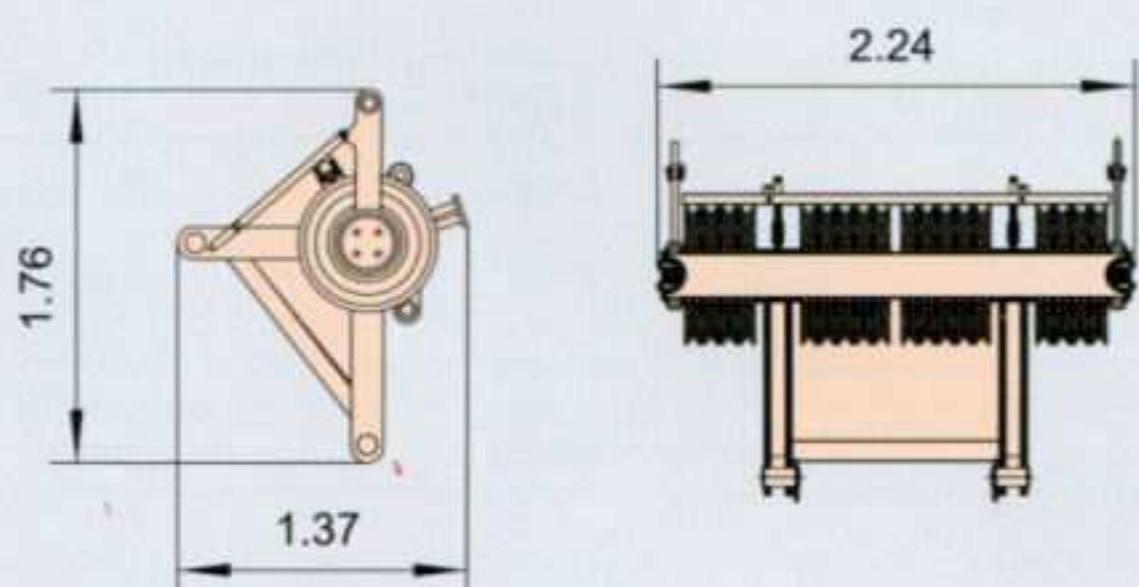
主臂变径节	×1
长	12.18m
宽	2.86m
高	2.50m
重量	5871kg

Boom tapered section	×1
Length	12.18m
Width	2.86m
Height	2.50m
Weight	5871kg



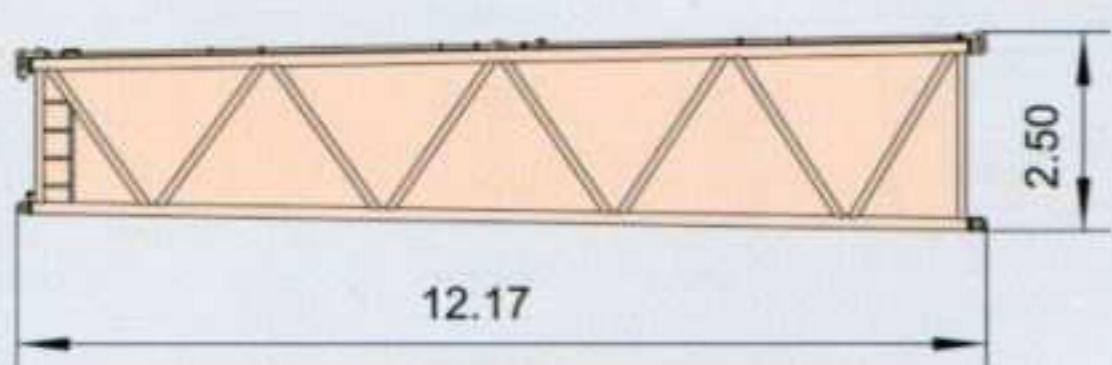
主臂臂头	×1
长	2.72m
宽	2.03m
高	2.85m
重量	3605kg

Boom head	×1
Length	2.72m
Width	2.03m
Height	2.85m
Weight	3605kg



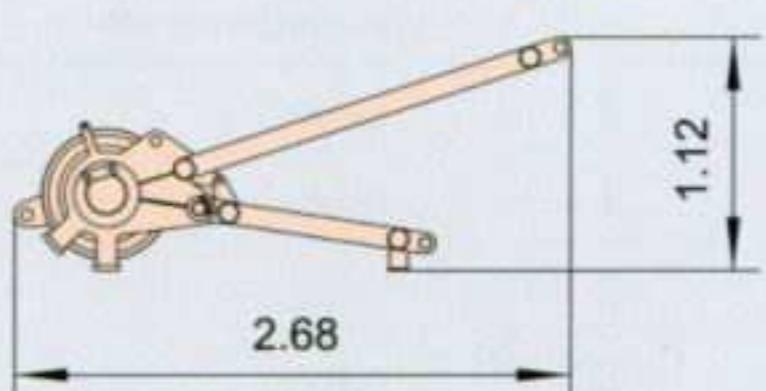
吊重滑轮组	×1
长	1.37m
宽	2.24m
高	1.76m
重量	1764kg

Lifting pulley block	×1
Length	1.37m
Width	2.24m
Height	1.76m
Weight	1764kg



重轻混合臂变径节	×1
长	12.17m
宽	2.86m
高	2.50m
重量	3798kg

Heavy-light boom combination tapered section	×1
Length	12.17m
Width	2.86m
Height	2.50m
Weight	3798kg



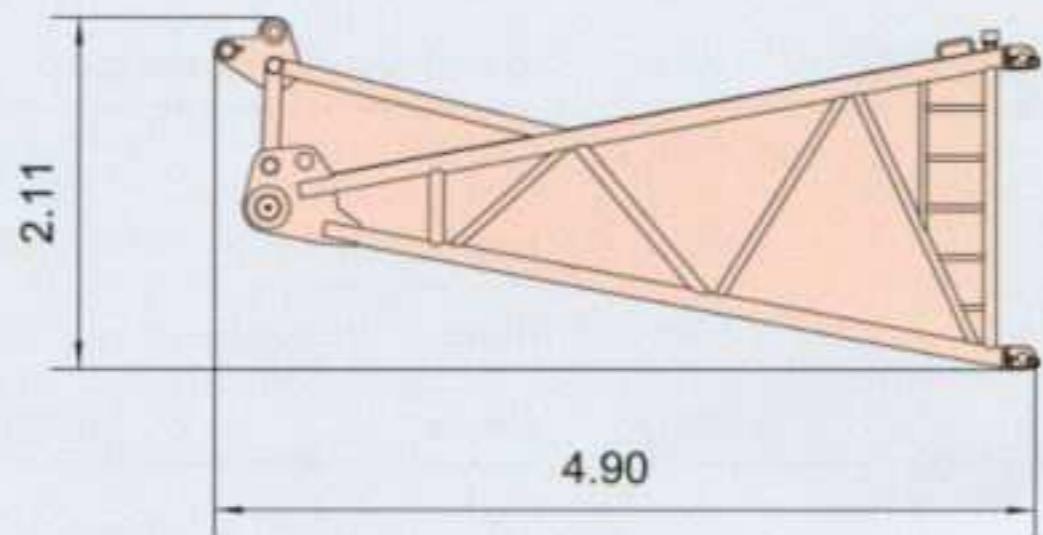
辅助臂	×1
长	2.68m
宽	1.64m
高	1.12m
重量	418kg

Runner	×1
Length	2.68m
Width	1.64m
Height	1.12m
Weight	418kg

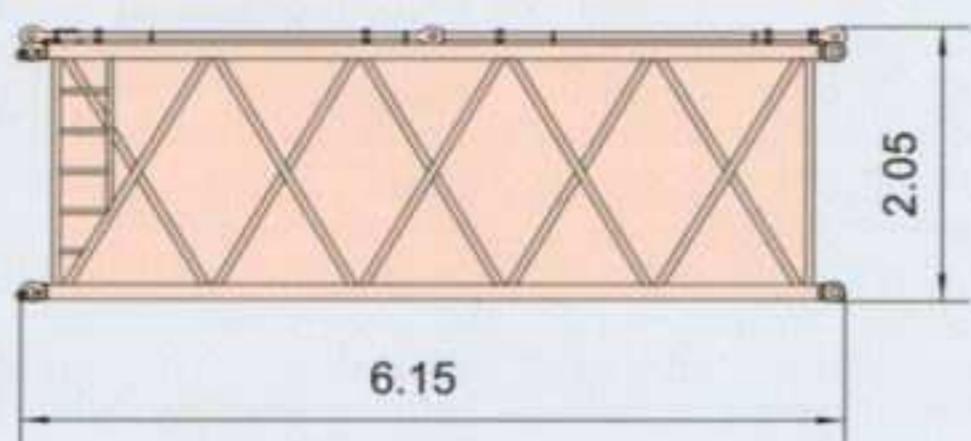


## 主要零部件运输尺寸

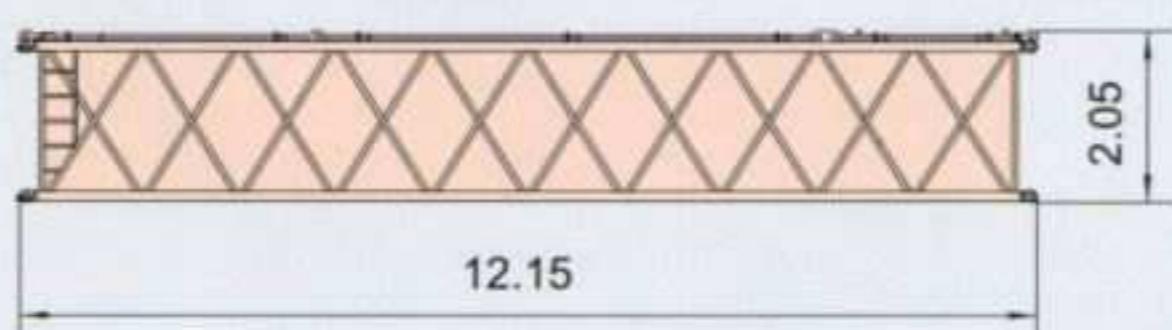
## Dimensions of Main Components for Transport



尺寸单位: m      Unit: m	
塔臂基础臂节	× 1
长	4.90m
宽	2.49m
高	2.11m
重量	1629kg



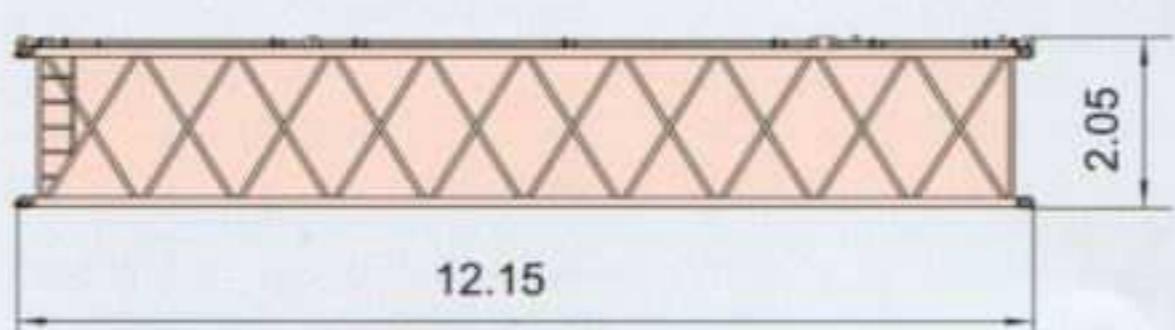
6m luffing jib intermediate section × 3	
Length	6.15m
Width	2.47m
Height	2.05m
Weight	1454kg



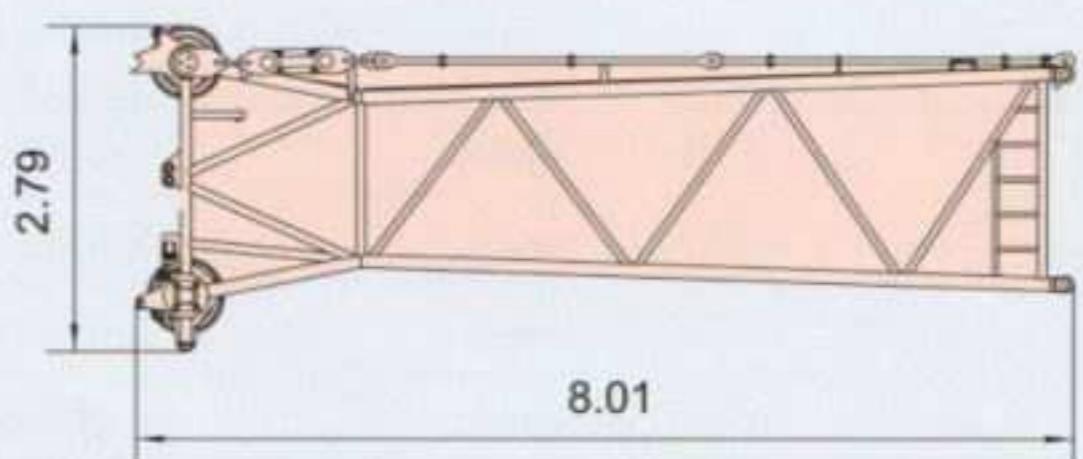
12m luffing jib intermediate section A × 1	
Length	12.15m
Width	2.47m
Height	2.05m
Weight	2653kg



12m luffing jib intermediate section B × 3	
Length	12.15m
Width	2.47m
Height	2.05m
Weight	2544kg



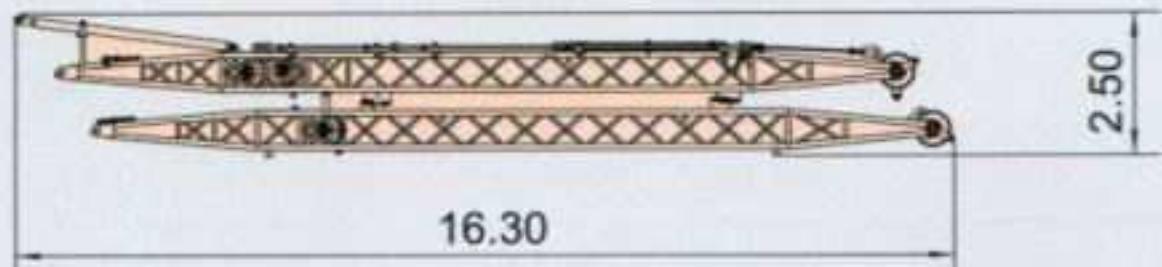
12m luffing jib intermediate section C × 1	
Length	12.15m
Width	2.47m
Height	2.05m
Weight	2653kg



Luffing jib top section × 1	
Length	8.01m
Width	2.47m
Height	2.79m
Weight	3871kg

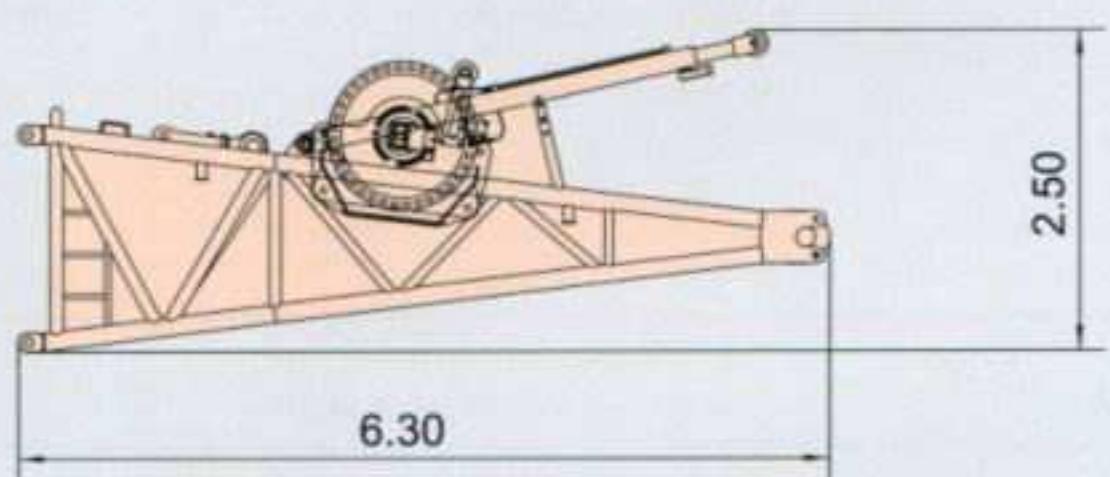
## 主要零部件运输尺寸

## Dimensions of Main Components for Transport



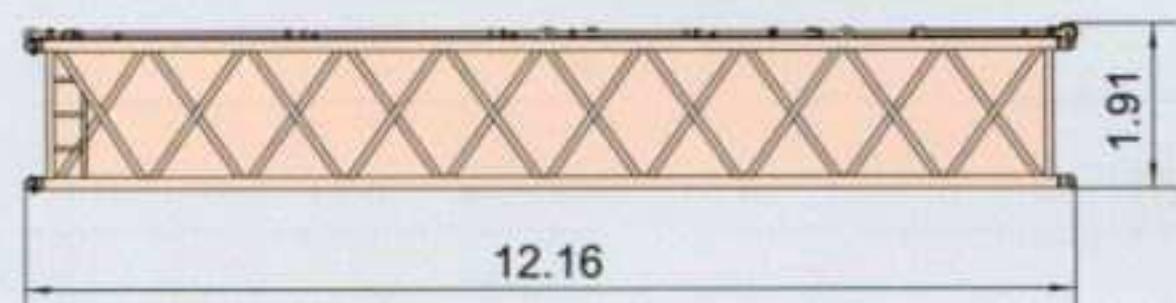
塔臂前、后撑架	× 1
长	16.30m
宽	2.52m
高	2.50m
重量	6900kg

尺寸单位: m	Unit: m
Front/rear strut for luffing jib	× 1
Length	16.30m
Width	2.52m
Height	2.50m
Weight	6900kg



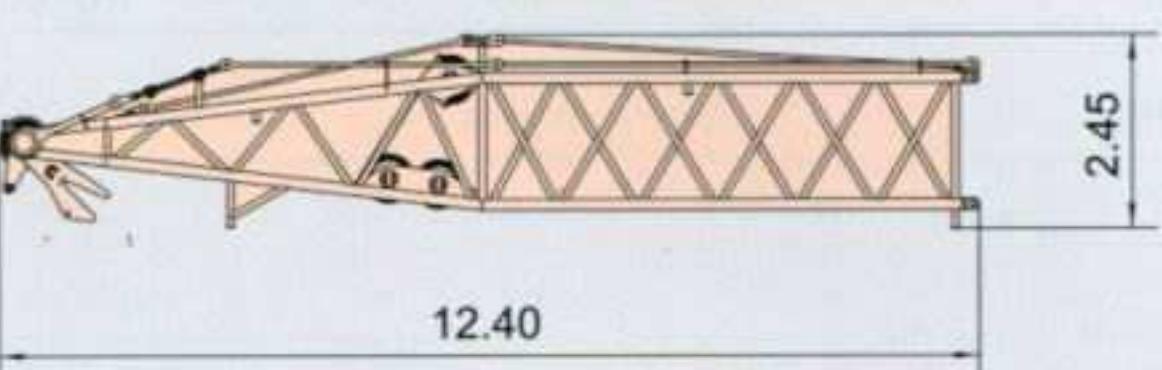
超起桅杆基础臂节	× 1
长	6.30m
宽	2.40m
高	2.50m
重量	7640kg

Superlift mast foot	× 1
Length	6.30m
Width	2.40m
Height	2.50m
Weight	7640kg



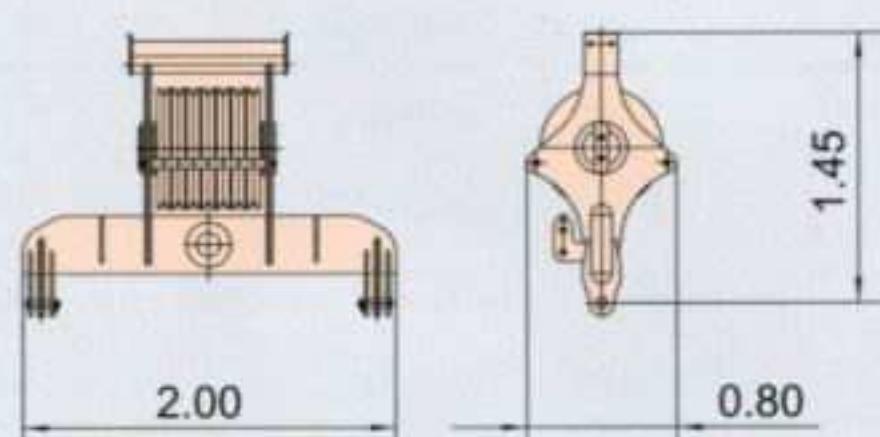
超起桅杆12米中间臂节	× 1
长	12.16m
宽	2.24m
高	1.19m
重量	4000kg

12m superlift mast intermediate section	× 1
Length	12.16m
Width	2.24m
Height	1.19m
Weight	4000kg



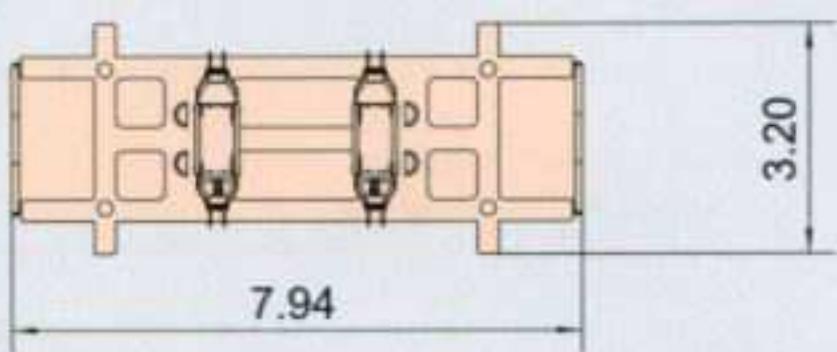
超起桅杆顶部臂节	× 1
长	12.40m
宽	2.33m
高	2.45m
重量	6100kg

Superlift mast top section	× 1
Length	12.40m
Width	2.33m
Height	2.45m
Weight	6100kg



超起桅杆部的滑轮组	× 1
长	2.00m
宽	0.80m
高	1.45m
重量	1165kg

Pulley block on superlift mast	× 1
Length	2.00m
Width	0.80m
Height	1.45m
Weight	1165kg



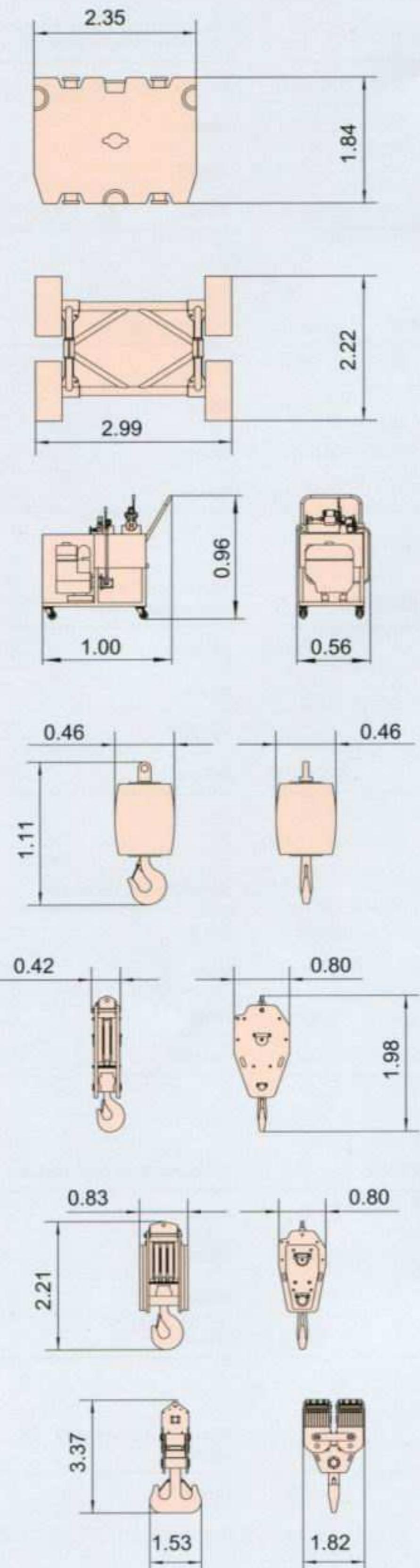
超起配重底板	× 1
长	7.94m
宽	2.50m
高	3.20m
重量	10680kg

Superlift counterweight soleplate	× 1
Length	7.94m
Width	2.50m
Height	3.20m
Weight	10680kg



## 主要零部件运输尺寸

## Dimensions of Main Components for Transport



尺寸单位: m Unit: m	
超起桅杆配重块	× 24
长	2.35m
宽	1.84m
高	0.47m
重量	10000kg
Superlift mast counterweight piece	× 24
Length	2.35m
Width	1.84m
Height	0.47m
Weight	10000kg
辅助小车	× 1
长	2.99m
宽	2.22m
高	1.12m
重量	1610kg
Assistant trailer	× 1
Length	2.99m
Width	2.22m
Height	1.12m
Weight	1610kg
移动泵站	× 1
长	1.00m
宽	0.56m
高	0.96m
重量	110kg
Mobile pump station	× 1
Length	1.00m
Width	0.56m
Height	0.96m
Weight	110kg
15吨吊钩	× 1
长	1.11m
宽	0.46m
高	0.46m
重量	700kg
15t hook	× 1
Length	1.11m
Width	0.46m
Height	0.46m
Weight	700kg
50吨吊钩	× 1
长	1.98m
宽	0.80m
高	0.42m
重量	1500kg
50t hook	× 1
Length	1.98m
Width	0.80m
Height	0.42m
Weight	1500kg
100吨吊钩	× 1
长	2.21m
宽	0.83m
高	0.80m
重量	3150kg
100t hook	× 1
Length	2.21m
Width	0.83m
Height	0.80m
Weight	3150kg
400吨吊钩	× 1
长	3.37m
宽	1.53m
高	1.82m
重量	6800kg
400t hook	× 1
Length	3.37m
Width	1.53m
Height	1.82m
Weight	6800kg

样本中的主要零部件运输重量为设计值，由于制造误差，可能稍有不同。

The transportation weight of main parts in the manual is the designed value, the actual value may be a little different due to manufature error.

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## 辽宁抚挖重工机械股份有限公司

地址：辽宁省抚顺市顺城区双阳路2号

邮编：113126

网址：[www.cnfuwa.com](http://www.cnfuwa.com)

销售公司电话：+86-413-7647 989/7642 419

传真：+86-413-7642 419

售后服务中心电话：+86-413-7641 727

电子邮箱：[sale@cnfuwa.com](mailto:sale@cnfuwa.com)

进出口公司电话：+86-413-7649 117/7642 558

传真：+86-413-7642 766

电子邮箱：[export@cnfuwa.com](mailto:export@cnfuwa.com)

免费服务电话：800-890-0009

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## FUWA HEAVY INDUSTRY CO.,LTD.

Add: No.2 Shuangyang Road, Shuncheng District, Fushun Liaoning, China  
p.c.113126

<http://www.cnfuwa.com>

China Market Sale Dept. Tel: +86-413-7647 989/7642 419

Fax: +86-413-7642 419

After sale Service Dept. Tel: +86-413-7641 727

E-mail: [sale@cnfuwa.com](mailto:sale@cnfuwa.com)

Import & Export Dept. Tel: +86-413-7649 117/7642 558

Fax: +86-413-7642 766

E-mail: [export@cnfuwa.com](mailto:export@cnfuwa.com)

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技术参数如有更改恕不另行通知

Specifications may vary without prior notice

吊钩配置为全配置，具体配置以订货合同为准。

The hook blocks in the catalogue are for your reference only.