

SANY®

FORGING THE FUTURE TOGETHER



320t



87m



63m+13m/45m+37m



60m+70m

SCC3200T-EV

SANY ELECTRIC LATTICE BOOM CRAWLER CRANE

三一电动桁架臂履带式起重机

SANY CRANE

BETTER WORLD, BETTER SANY CRANE

SANY CRANE is one of the core business units in SANY Group, specializing in the development and manufacturing of high-end wheeled cranes, crawler cranes.

三一集团旗下核心事业部，从事高端轮式起重机、履带起重机系列产品的研发制造。



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HIGHLIGHTS

整机亮点

1 Energy-Efficient 节能高效

All main actuators are electrically driven, increasing overall system efficiency by 250% compared with a hydraulic system while reducing energy consumption by 70%.

主动作执行机构全电动化，系统效率较液压系统提升2.5倍，能耗下降70%。

2 Extended Endurance 超长续航

Equipped with a 352 kW·h high-capacity battery, providing over 12 hours of all-electric operation. A range extender enables 24-hour continuous operation.

搭配352kW·h大容量电池，纯电作业时间超12h。配备增程器，可实现24小时不间断作业。

3 Precision Control 精准操控

Coordinated control of 10 motors maintains speed during combined operations and enables shock-free starts and stops for precise inching control.

10台电机协同控制，复合动作不掉速、启停零冲击，能更好实现微动操作。

4 Intelligent Upgrade 智能升级

The industry's first intelligent all-electric crawler crane based on a centralized control architecture, featuring an AI assistant, voice assistance, a Driver Monitoring System (DMS), a 360° surround-view system and other intelligent technologies.

行业首款基于中控架构的智能全电驱履带起重机，搭载AI助手，语音辅助，驾驶员监控系统，360°环视等智能化技术。

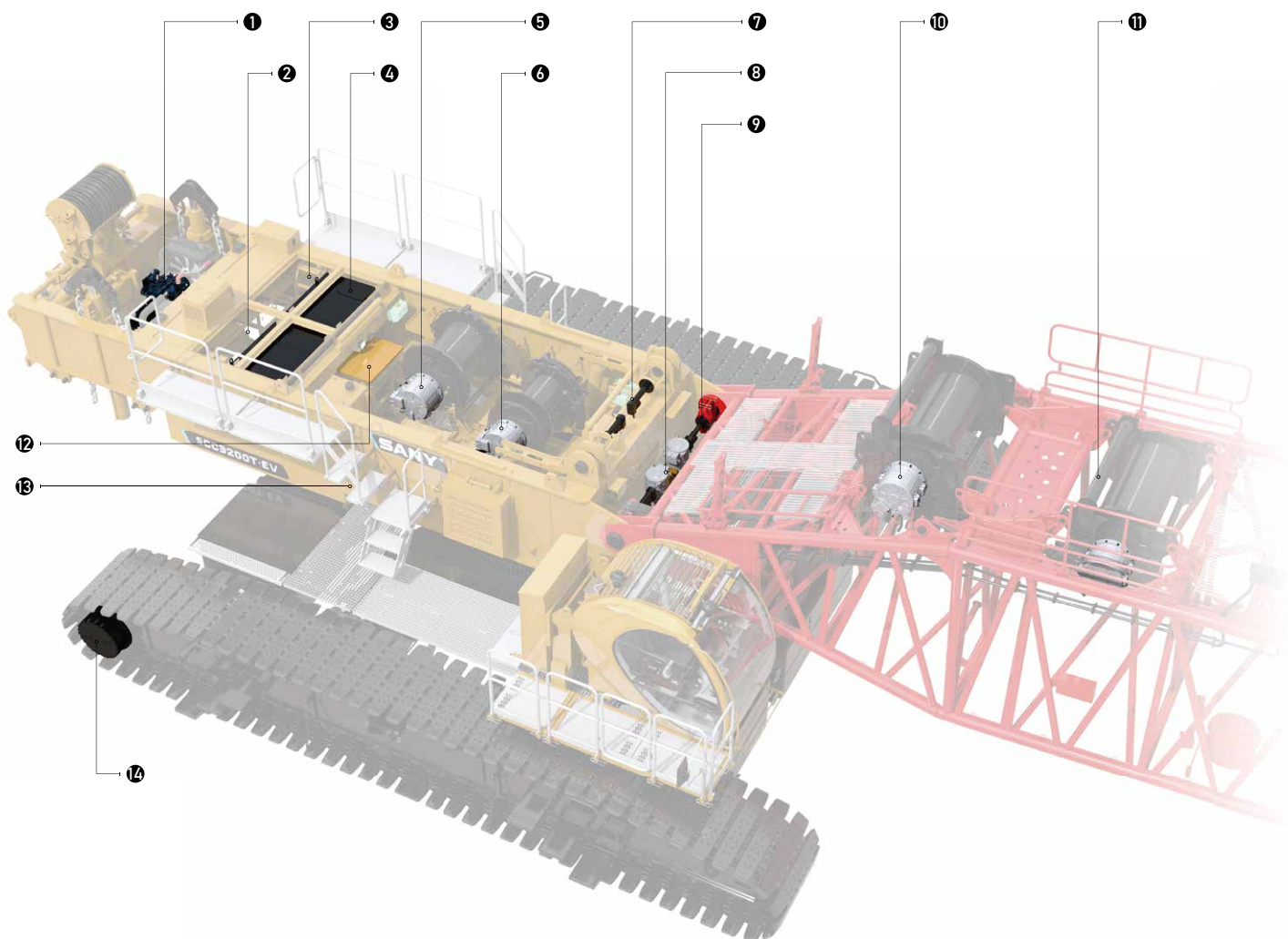
Electric Lattice Boom Crawler Crane
SCC3200T-EV / 320t Lifting Capacity

SANY



EXEMPLIFYING ILLUSTRATION

内部结构示意图

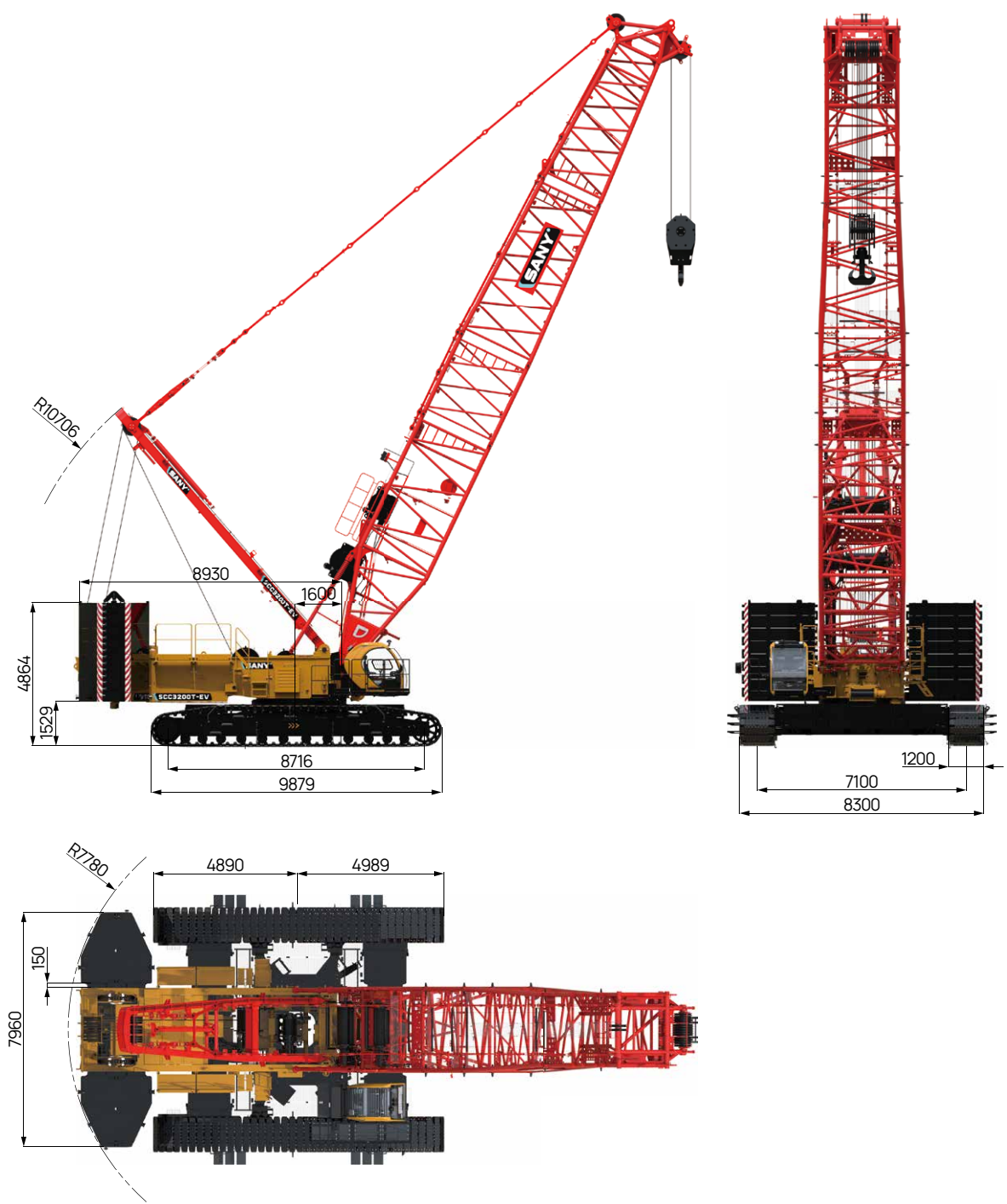


- ① Range Extender 增程器
- ② Thermal Management System 热管理系统
- ③ Electrical Control System 电控系统
- ④ Battery 电池
- ⑤ Main Luffing Motor 主变幅电机
- ⑥ Aux. Luffing Motor 副变幅电机
- ⑦ Electric Cylinder 电缸

- ⑧ Slewing Motor 回转电机
- ⑨ Electric Cylinder 电缸
- ⑩ Main Hoist Motor 主提升电机
- ⑪ Aux. Hoist Motor 副提升电机
- ⑫ Hydraulic Pump & Pump Drive Motor 油泵及油泵电机
- ⑬ Upperstructure Charging Port 上车充电口
- ⑭ Travel Motor 行走电机

OUTLINE DIMENSION
整机尺寸

Unit: mm



TECHNICAL SPECIFICATIONS

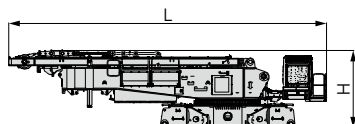
整机参数

CATEGORY 类型	ITEM 项目	UNIT 单位	PARAMETER 参数
Performance 性能	Max. rated lifting capacity 最大额定起重量	t	320
	Max. rated lifting moment 最大额定起重力矩	t·m	2000
	Boom length 主臂长度	m	87
	Boom luffing angle 主臂变幅角度	°	20~85
	Longest boom combination (LJ configuration) 最大变幅副臂组合	m	60+70
	Boom angle (LJ configuration) 变幅副臂工况主臂角度	°	65~85
Operation 作业性能	Max. speed of single rope of the main winch (outermost working layer) 主卷扬单绳最大绳速(最外工作层)	m/min	119
	Max. speed of single rope of the main luffing (outermost working layer) 主变幅单绳最大绳速(最外工作层)	m/min	65
	Slewing speed (no load) 回转速度(空载)	r/min	1.8
Power 动力	Model 型号	-	TZ380XS
	Rated power 额定功率	kW	150
	Max. power 最大功率	kW	250
Travel 行走	Travel speed 行走速度	km/h	0~1.3
	Gradeability (with basic boom, the driver's cab is on the right side of the crane) 爬坡能力(基本臂工况, 驾驶室位于整机右侧)	%	30
Weight 重量	Gross weight (Basic boom, 128t rear counterweight, 40t carbody counterweight, 200t hook) 整机重量(基本臂、128t后配重、40t中央配重、200t吊钩)	t	305
	Max. Transportation weight of single part 最大单件运输重量	t	43.7
	Rear counterweight (with tray) 后配重(含托盘)	t	128
	Carbody counterweight 中央配重	t	40
	Average ground pressure (Basic boom, 128t rear counterweight, 40t carbody counterweight, 200t hook) 平均接地比压(基本臂、128t后配重、40t中央配重、200t吊钩)	MPa	0.22

Note: Any change in the technical parameters and configuration due to advancement in technology may occur without prior notice.
注: 因技术进步导致技术参数及配置发生变更, 恕不另行通知。

TRANSPORT DIMENSION

部件运输尺寸



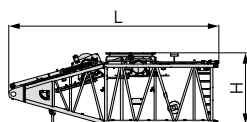
Basic machine
主机

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
14.08×3.34×3.42	55.62	1



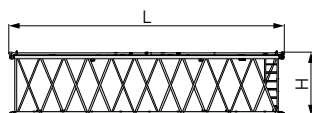
Track frame
履带架

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
9.87×2.06×1.41	25.17	2



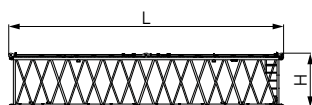
Boom base
主臂下节臂

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
9.32×2.97×3.16	16.7	1



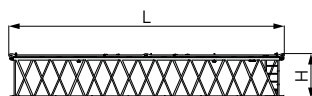
12 m boom insert (2825)
12m中间臂 (2825)

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
12.20×2.97×2.82	3.9	2



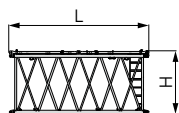
12 m insert (2421)
12m中间臂 (2421)

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
12.20×2.53×2.39	2.6	2



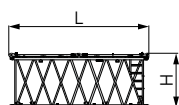
12 m jib insert (2017)
12m中间臂 (2017)

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
12.20×2.16×1.99	2.2	2



6 m boom insert (2825)
6m中间臂 (2825)

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
6.20×2.97×2.82	2.3	1

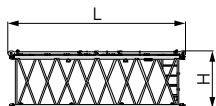


6 m insert (2421)
6m中间臂 (2421)

Size(L×W×H) 规格(长×宽×高)(m)	Weight 单件重量(t)	Quantity 数量
6.20×2.53×2.39	1.7	1

TRANSPORT DIMENSION

部件运输尺寸

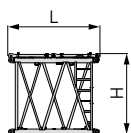


6 m jib insert (2017)
6m中间臂 (2017)

Size(L×W×H)
规格(长×宽×高)(m)
6.20×2.16×1.99

Weight
单件重量(t)
1.3

Quantity
数量
1

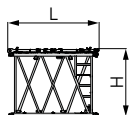


3 m boom insert (2825)
3m中间臂 (2825)

Size(L×W×H)
规格(长×宽×高)(m)
3.20×2.97×2.82

Weight
单件重量(t)
1.4

Quantity
数量
1

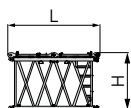


3 m insert (2421)
3m中间臂 (2421)

Size(L×W×H)
规格(长×宽×高)(m)
3.20×2.53×2.39

Weight
单件重量(t)
1.1

Quantity
数量
1

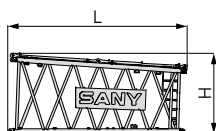


3 m jib insert (2017)
3m中间臂 (2017)

Size(L×W×H)
规格(长×宽×高)(m)
3.20×2.16×1.99

Weight
单件重量(t)
0.8

Quantity
数量
1

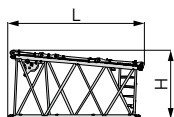


Boom transition insert
主臂过渡节

Size(L×W×H)
规格(长×宽×高)(m)
6.26×2.97×2.82

Weight
单件重量(t)
2.4

Quantity
数量
1

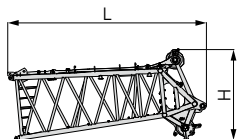


Jib transition insert
副臂过渡节

Size(L×W×H)
规格(长×宽×高)(m)
4.77×2.53×2.39

Weight
单件重量(t)
1.7

Quantity
数量
1

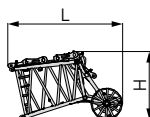


Boom top
主臂上节臂

Size(L×W×H)
规格(长×宽×高)(m)
6.95×2.61×3.17

Weight
单件重量(t)
6.4

Quantity
数量
1



Jib top
副臂上节臂

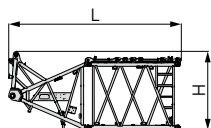
Size(L×W×H)
规格(长×宽×高)(m)
4.00×2.22×2.37

Weight
单件重量(t)
3.0

Quantity
数量
1

TRANSPORT DIMENSION

部件运输尺寸



Jib base + 3 m insert
副臂下节臂+3m中间臂

Size(L×W×H)
规格(长×宽×高)(m)

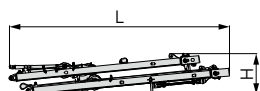
5.74×2.53×2.60

Weight
单件重量(t)

2.3

Quantity
数量

1



**Luffing jib front mast+
Luffing jib rear mast**
变幅副臂前桅杆+变幅副臂后桅杆

Size(L×W×H)
规格(长×宽×高)(m)

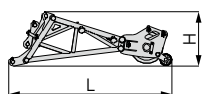
9.21×2.58×1.71

Weight
单件重量(t)

5.55

Quantity
数量

1



Boom runner
主臂加长臂

Size(L×W×H)
规格(长×宽×高)(m)

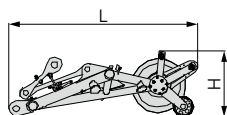
6.42×1.70×2.14

Weight
单件重量(t)

0.9

Quantity
数量

1



Luffing jib runner
塔况加长臂

Size(L×W×H)
规格(长×宽×高)(m)

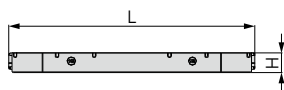
4.46×1.78×1.54

Weight
单件重量(t)

0.6

Quantity
数量

1



Carbody counterweight block
中央配重块

Size(L×W×H)
规格(长×宽×高)(m)

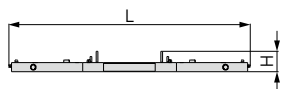
5.50×1.56×0.44

Weight
单件重量(t)

10.0

Quantity
数量

4



Rear counterweight tray
后配重托盘

Size(L×W×H)
规格(长×宽×高)(m)

8.14×2.40×0.68

Weight
单件重量(t)

16.0

Quantity
数量

1



Rear counterweight block
后配重块

Size(L×W×H)
规格(长×宽×高)(m)

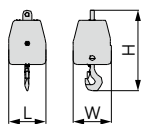
2.58×2.40×0.53

Weight
单件重量(t)

8.0

Quantity
数量

14



16 t ball hook
16t球钩

Size(L×W×H)
规格(长×宽×高)(m)

0.55×0.55×1.18

Weight
单件重量(t)

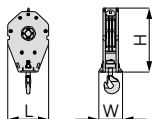
0.92

Quantity
数量

1

TRANSPORT DIMENSION

部件运输尺寸



50 t single hook
50t吊钩

Size(L×W×H)
规格(长×宽×高)(m)

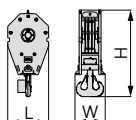
1.00×0.58×2.11

Weight
单件重量(t)

1.57

Quantity
数量

1



100 t ramshorn hook
100t吊钩

Size(L×W×H)
规格(长×宽×高)(m)

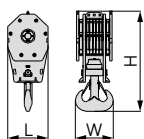
1.00×0.74×2.14

Weight
单件重量(t)

1.89

Quantity
数量

1



200 t ramshorn hook
200t吊钩

Size(L×W×H)
规格(长×宽×高)(m)

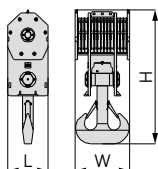
1.00×0.88×2.48

Weight
单件重量(t)

3.92

Quantity
数量

1



350 t ramshorn hook
350t吊钩

Size(L×W×H)
规格(长×宽×高)(m)

1.00×1.34×3.30

Weight
单件重量(t)

6.63

Quantity
数量

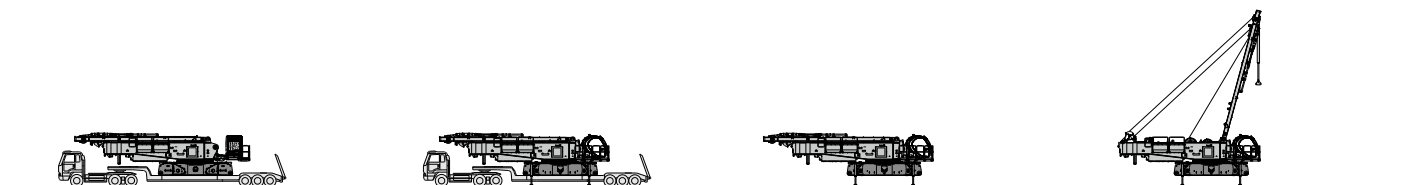
1

SELF-ASSEMBLY SYSTEM

自装卸系统

■ Self-assembly of basic machine

主机自装卸



■ Self-assembly of track frame

履带架自装卸



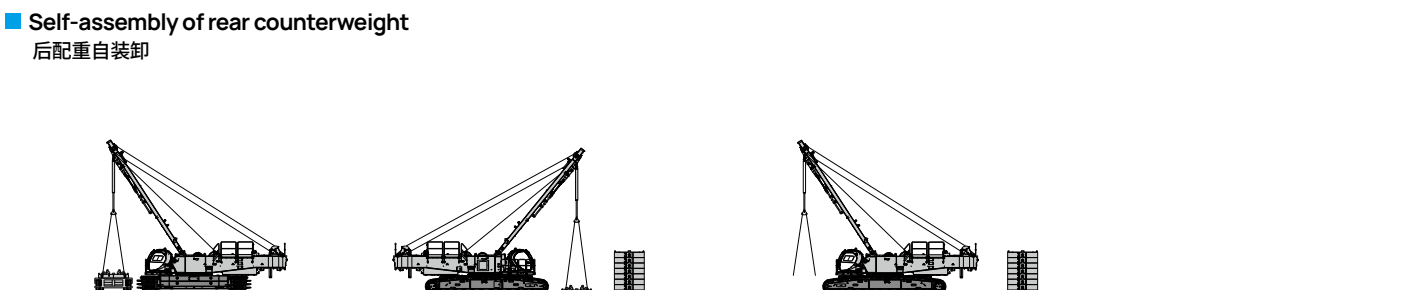
■ Self-assembly of carbody counterweight

中央配重自装卸



■ Self-assembly of boom/jib

臂架自装卸



■ Self-assembly of rear counterweight

后配重自装卸

SELF-ASSEMBLY SYSTEM

自装卸系统

Self-assembly of boom base

主臂下节臂自装卸

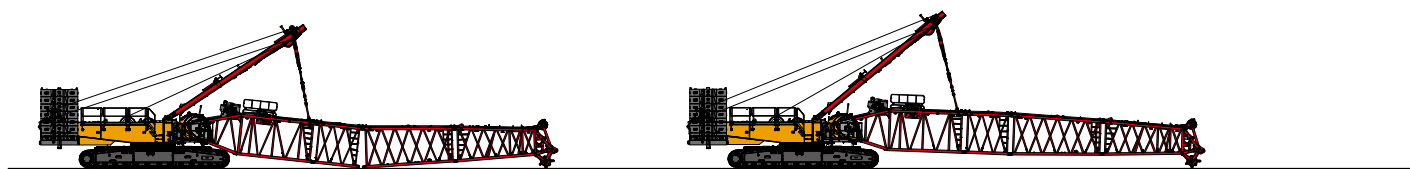


Self-assembly of boom base and 3m boom insert
主臂下节臂与3m主臂中间臂自装卸

The force of single side pendant bar >5t,
for lifting rear counterweight
单侧拉板承载能力>5t, 可用于吊装后配重

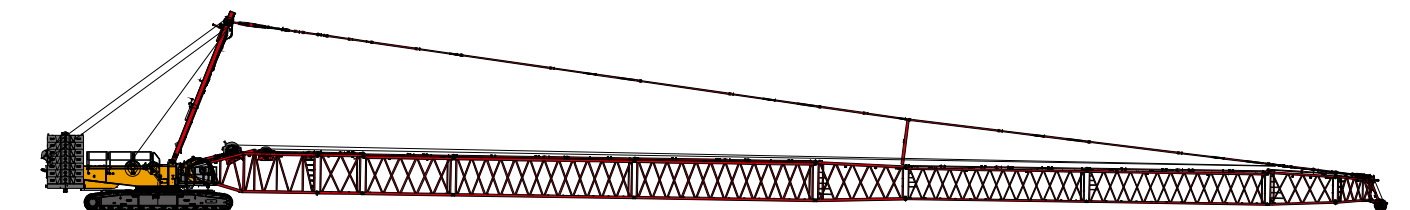
Boom assembly

主臂组装



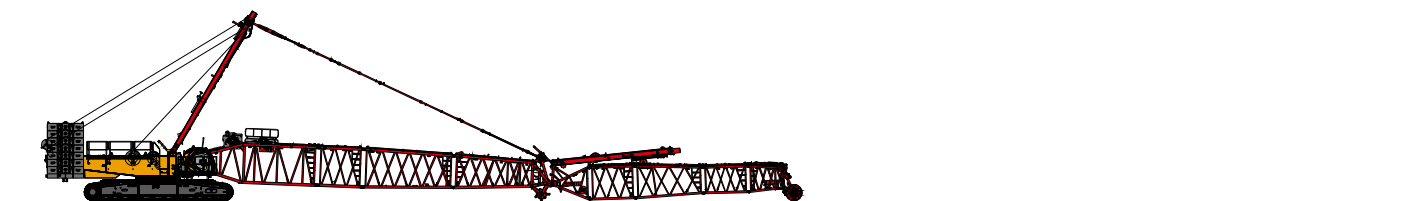
Assembly of HJ configuration

HJ工况组装



Assembly of FJ configuration

FJ工况组装

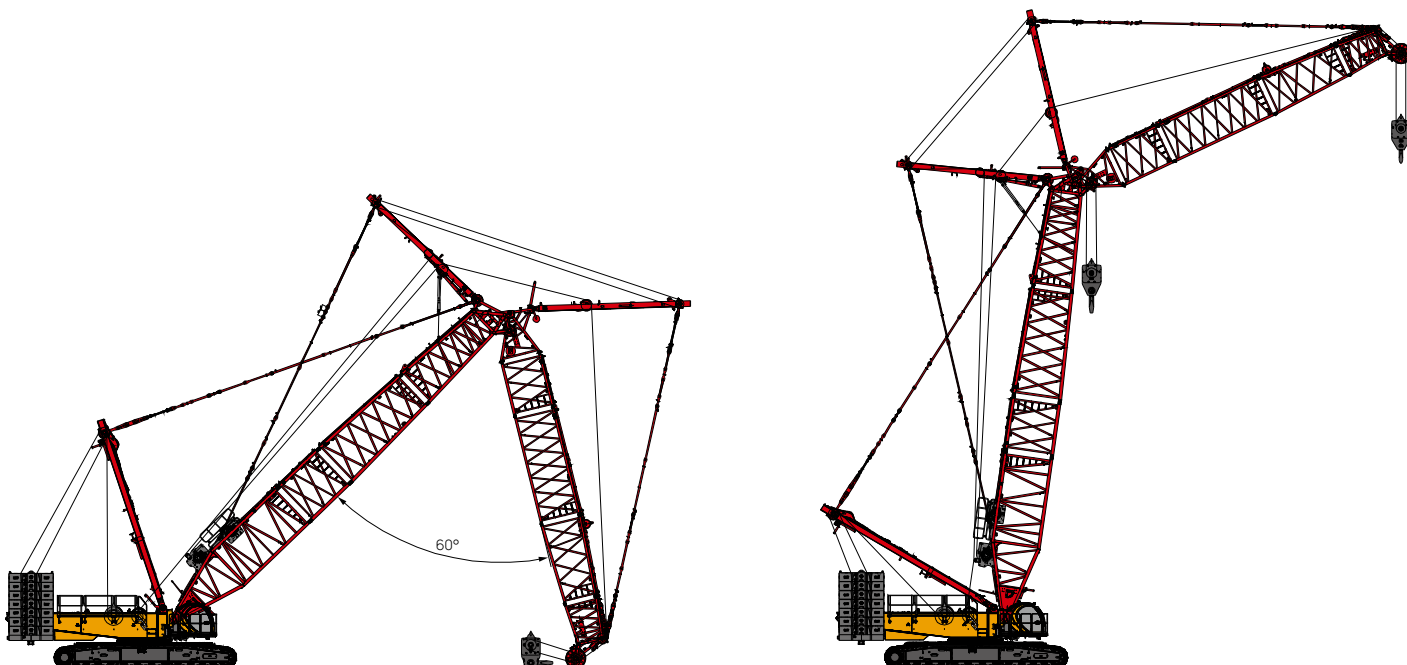
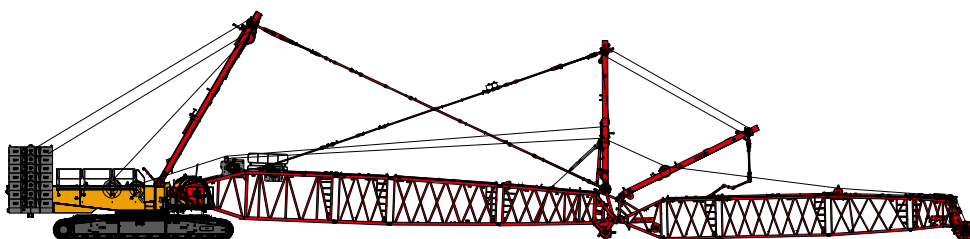
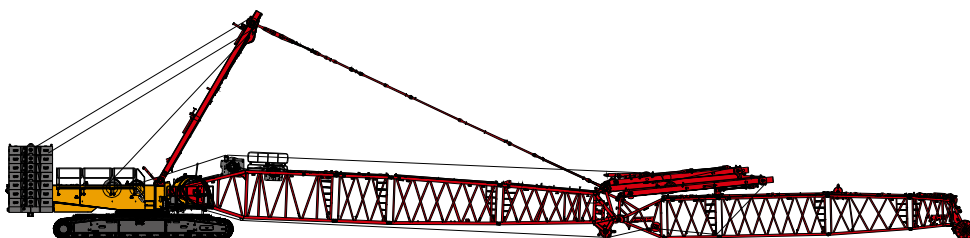


SELF-ASSEMBLY SYSTEM

自装卸系统

■ Assembly of LJ configuration

LJ工况组装

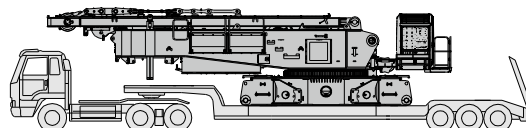


TRANSPORT PLAN

运输方案

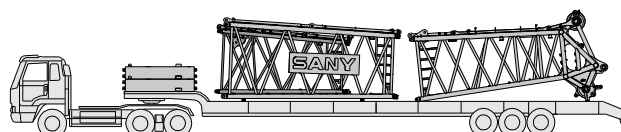
Trailer 1 运输车1

Part (s) 包含部件	▪ Basic machine 主机	×1
Weight 运输重量	▪ 55.62t	



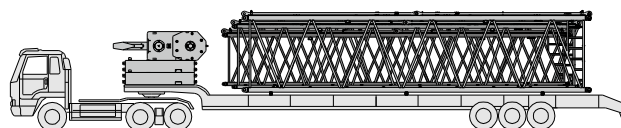
Trailer 2 运输车2

Part (s) 包含部件	▪ Boom top 主臂上节臂	×1
	▪ Boom transition insert 主臂过渡节	×1
	▪ Jib transition insert 副臂过渡节	×1
	▪ Carbody counterweight block 中央配重块	×2
Weight 运输重量	▪ 26.66t	



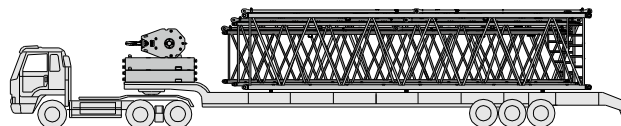
Trailer 3 运输车3

Part (s) 包含部件	▪ 12 m boom insert (2825) 12m主臂中间臂(2825)	×1
	▪ 12 m insert (2421) 12m中间臂(2421)	×1
	▪ 12 m jib insert (2017) 12m副臂中间臂(2017)	×1
	▪ Rear counterweight block 后配重块	×2
	▪ 350 t ramshorn hook 350t锚钩	×1
Weight 运输重量	▪ 31.65t	



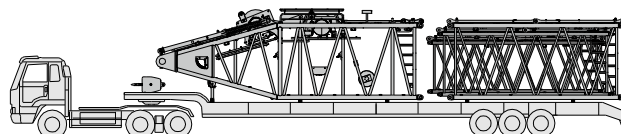
Trailer 4 运输车4

Part (s) 包含部件	▪ 12 m boom insert (2825) 12m主臂中间臂(2825)	×1
	▪ 12 m insert (2421) 12m中间臂(2421)	×1
	▪ 12 m jib insert (2017) 12m副臂中间臂(2017)	×1
	▪ Rear counterweight block 后配重块	×2
	▪ 100 t ramshorn hook 100t锚钩	×1
Weight 运输重量	▪ 26.91t	



Trailer 5 运输车5

Part (s) 包含部件	▪ 6 m boom insert (2825) 6m主臂中间臂(2825)	×1
	▪ 6 m insert (2421) 6m中间臂(2421)	×1
	▪ 6 m jib insert (2017) 6m副臂中间臂(2017)	×1
	▪ Boom base 主臂下节臂	×1
	▪ 16 t ball hook 16t球钩	×1
Weight 运输重量	▪ 23.25t	

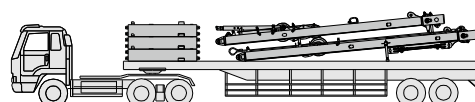


TRANSPORT PLAN

运输方案

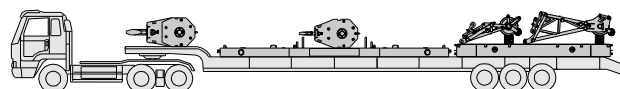
Trailer 6 运输车6

Part (s) 包含部件	Carbody counterweight block 中央配重块	×1
	Rear counterweight tray 后配重托盘	×1
	200 t ramshorn hook 200t锚钩	×1
	50 t single hook 50t单钩	×1
	Boom runner 主臂加长臂	×1
	Luffing jib runner 变幅副臂加长臂	×1
Weight 运输重量	32.98t	



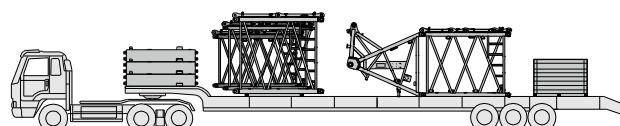
Trailer 7 运输车7

Part (s) 包含部件	3 m boom insert (2825) 3m主臂中间臂(2825)	×1
	3 m insert (2421) 3m中间臂(2421)	×1
	3 m jib insert (2017) 3m副臂中间臂(2017)	×2
	Jib base 副臂下节臂	×1
	Rear counterweight block 后配重块	×3
	Accessory box 配件箱	×1
Weight 运输重量	31.67t	



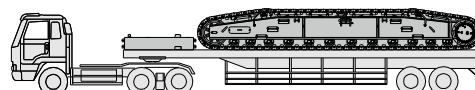
Trailer 8 运输车8

Part (s) 包含部件	Track frame 履带架	×1
	Carbody counterweight block 中央配重块	×2
Weight 运输重量	33.17	



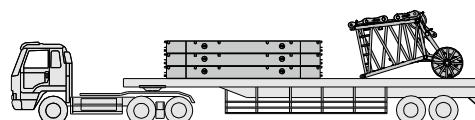
Trailer 9 运输车9

Part (s) 包含部件	Carbody counterweight block 中央配重块	×3
	Jib top 副臂上节臂	×1
Weight 运输重量	33t	



Trailer 10 运输车10

Part (s) 包含部件	Rear counterweight block 后配重块	×3
	Luffing jib front mast 变幅副臂前桅杆	×1
	Luffing jib rear mast 变幅副臂后桅杆	×1
Weight 运输重量	29.55t	



MAIN CHARACTERISTICS

主要特性

Product Specification 产品规格

Drive motor 驱动电机

- Rated power: 60kW.
- Max. power: 80kW.
- Rated torque: 360N.m.
- Max. torque: 560N.m.
- Max. working speed: 2400rpm.
- Working environment temperature: -40°C~+65°C.
- Insulation class: H.
- Cooling system: Liquid cooling (50% deionized water + 50% ethylene glycol).
- Coolant flow rate: 16L/min.
- IP rating IP67.
- Weight: 98kg.
- Work shift: S9.
- 额定功率：60 kW。
- 最大功率：80 kW。
- 额定扭矩：360 N·m。
- 最大扭矩：560 N·m。
- 最高工作转速：2400 rpm。
- 工作环境温度：-40°C~+65°C。
- 绝缘等级：H 级。
- 冷却方式：液冷(50% 去离子水 + 50% 乙二醇)。
- 冷却液流量：16 L/min。
- 防护等级：IP67。
- 重量：98 kg。
- 工作制：S9。

Battery 电池

- Battery type: LFP (Lithium Iron Phosphate).
- Rated capacity: 536 Ah.
- Nominal voltage: 656.88 V.
- Rated energy storage: 352.08 kWh.
- Specific energy: 163 Wh/kg.
- Battery configuration: 4* (D05).
- Storage temperature: -30~60°C, long-term storage controlled below 35°C.
- Operating temperature: -30~65°C.
- Operating humidity: ≤85%.
- Thermal management: Liquid Heating + Liquid Cooling.
- State of charge (SOC) operating range: 8%~100%.
- Max. continuous charging current (A): 536.
- Max. continuous discharging current (A): 536.
- Discharging current at peak speed (A): 800A, 60 seconds.
- IP protection rating: Battery box IP68, junction box IP67, control box IP67.
- Total system weight (kg): 2224 kg (Battery box only).
- 电池类型：磷酸铁锂电池(LFP)。
- 额定容量：536 Ah。
- 标称电压：656.88 V。
- 额定储能：352.08 kWh。
- 比能量：163 Wh/kg。
- 电池配置：4×(D05)。
- 存储温度：-30°C~60°C(长期存储建议≤35°C)。
- 工作温度：-30°C~65°C。
- 工作湿度：≤85%。
- 热管理方式：液加热 + 液冷却。
- SOC 工作范围：8%~100%。
- 最大持续充电电流：536 A。
- 最大持续放电电流：536 A。
- 峰值放电电流：800 A(60 秒)。
- 防护等级：电池箱 IP68，接线盒 IP67，控制箱 IP67。
- 系统总重：2224 kg(仅电池箱)。

DHEN 增程器总成

- Model: DHEN3.61PH001001.
- Type: Water-cooled; compliant with Non-road Stage III A emission standards.
- Displacement: 3.58 L.
- Rated power: 129 kW / 2400 rpm.
- Maximum torque: 610 N·m / 1800 rpm.
- Operating voltage range: 450~750 V.
- Generator rated power/speed: 106 kW / 1500 rpm.
- Generator peak power: 160 kW.
- Generator rated torque/speed: 675 N·m / 1500 rpm.
- Generator peak torque: 1100 N·m.
- Generator rated voltage: 600 V.
- Generation efficiency: 3.5 kWh/L.
- Operating ambient temperature: -25°C to 45°C.
- Fuel tank capacity: 800 L.
- 型号：增程器总成 DHEN3.61PH001001。
- 类型：水冷，符合非道路Stage IIIA标准。
- 排量：3.58L。
- 额定功率：129kW/2400rpm。
- 最大扭矩：610N·m/1800rpm。
- 工作电压范围：450~750V。
- 发电机额定功率/转速：106kW/1500rpm。
- 发电机峰值功率：160kW。
- 发电机额定扭矩/转速：675N·m/1500rpm。
- 发电机峰值扭矩：1100N·m。
- 发电机额定电压：600V。
- 发电效率：3.5kWh/L。
- 使用环境温度-25~45°C。
- 油箱容量：800L。

Hydraulic System 液压系统

- The hydraulic system adopts an open-circuit positive-flow system to control the main hydraulic cylinder functions of the crane. Cylinder speed can be adjusted by varying the control current.
- The hydraulic servo system mainly controls the ratchet pawls of the boom and jib luffing mechanisms, as well as the brakes of the main and auxiliary hoist and boom and jib luffing mechanisms.
- 液压系统采用开式正流量系统，控制整机的主要油缸动作，可以通过调节电流来改变油缸速度。
- 液压伺服系统主要控制主副变幅的棘爪以及主副提升主副变幅的制动。

Base Assembly 底座总成

- The hydraulic cylinder drives power pin to be connected with track frame to facilitate the assembly and disassembly. Frame structures are welded by high-strength steel. Larger chassis design greatly improves the stability of the crane.
- 液压油缸驱动动力销与履带架连接，方便履带架拆装。底座框架采用高强度钢焊接而成，大底盘设计显著提升整机稳定性。

MAIN CHARACTERISTICS

主要特性

Product Specification 产品规格

Track Assembly 履带架总成

- Track frame: each track frame is equipped with an independent travel driving device. A travel motor drives the planetary gear reducer and realizes independent traveling through the transmission of driving wheel. The travel system is configured with four speed options to meet various requirements: sufficient traction is provided in low speed to realize 100% pick and carry, while faster job-site transfer is possible in high travel speed. Infinite variable speed can be realized in travel driving system.
- Track shoe: it is manufactured by advanced casting techniques and materials with high strength and good wear resistance. After assembled on the machine, the tension can be adjusted by a hydraulic jack with shims used to secure the crawler position.
- 履带架：每个履带架均配备独立行走驱动装置。行走电机驱动行星减速机，并通过驱动轮传动实现独立行走。行走系统设置四档速度，可满足不同作业需求：低速档提供充足牵引力，可实现100%带载行走；高速档可提高场内转移效率。行走驱动系统可实现无级调速。
- 履带板：采用先进铸造工艺及高强度、高耐磨材料制造。履带架装配完成后，可通过液压千斤顶进行张紧，并采用垫片固定履带位置。

Hoisting Mechanism 主、副提升机构

- The main and aux. winch mechanism are driven independently, which is featured in compact structure, easy assembly. The electromagnetic and hydraulic brakes the winch safety.
- Permanent magnet synchronous motors enable millimeter-level rope payout control during inching, with smooth low-speed operation and excellent inching performance.
- Quality anti-twisting wire rope is selected to ensure the safety of load lifting and longer service life.
- Wire rope lug is adopted for easier and convenient rope assembly and disassembly.
- 主、副卷扬机构采用独立驱动，结构紧凑、拆装方便；采用电磁和液压双制动器，确保卷扬作业安全可靠。
- 采用永磁同步电机，点动出绳量和最小绳速可实现毫米级丝滑操控。
- 采用优质抗旋转钢丝绳，确保吊载安全并延长钢丝绳使用寿命。
- 采用钢丝绳接头结构，便于钢丝绳拆装。

Main hoist mechanism 主提升机构	Rope speed on the outermost work layer 最外工作层绳速	0~130m/min
	Wire rope diameter 钢丝绳直径	ø26mm
	Wire rope length for main hoisting winch 主卷扬钢丝绳长度	800m
	Rated single line pull 额定单绳拉力	15t
Aux. hoist mechanism 副提升机构	Rope speed on the outermost work layer 最外工作层绳速	0~110m/min
	Wire rope diameter 钢丝绳直径	ø26mm
	Wire rope length for aux. hoisting winch 副卷扬钢丝绳长度	390m
	Rated single line pull 额定单绳拉力	14.8t

Luffing Winch Mechanism 变幅机构

- Including: luffing mechanisms of the boom and jib.
- Drums with folded-line grooves are adopted for all luffing devices. Hydraulic motor drives the planetary gear reducer to realize multiple composite actions and it is equipped with good inching performance.
- 包括主臂变幅机构和副臂变幅机构。
- 各变幅机构均采用折线式卷筒，由液压马达驱动行星减速机，可实现多机构复合动作，微动性能良好。

Boom Luffing Mechanism 主变幅机构	Wire rope diameter 钢丝绳直径	ø26mm
	Wire rope length of boom luffing winch 主变幅卷扬钢丝绳长度	355m
Jib Luffing Mechanism 副变幅机构	Wire rope diameter 钢丝绳直径	ø20mm
	Wire rope length of jib luffing winch 副变幅卷扬钢丝绳长度	385m

Slewing Mechanism 回转机构

- Synchronous motor is adopted for the slewing system to drive through a planetary gear reducer and enables 360° rotation. The slewing speed is 0~1.8rpm, which can realize infinitely variable speed. The slewing, free of starting and stopping impact, operates steadily and is equipped with neutral free slipping function.
- When the control handle is in neutral position and no slewing speed is pick up, slewing mechanism is locked to prevent backlash during crane walking or transport.
- Slewing bearing device: three-row roller external gear slewing bearing is adopted.
- 回转系统采用同步电机，通过行星减速机驱动，实现360°回转。回转速度为0~1.8r/min，可实现无级调速。回转启停冲击小、运行平稳，并具备中位自由滑转功能。
- 当操纵手柄处于中位且无回转速度指令时，回转机构自动锁止，防止整机行走或运输过程中发生回转窜动。
- 回转支承采用外齿式三排滚柱回转支承。

Counterweight 配重

- Include Carbody Counterweight, Rear Counterweight.
- 包括中央配重和后配重。

Name 吊钩名称	Quantity 数量	L × W × H 长 × 宽 × 高 (m)	Unit weight 单件重量 (t)
Carbody counterweight 中央配重	4	5.64 × 1.6 × 0.42	10
Rear counterweight tray 主机后配重托盘	1	8.16 × 2.59 × 0.68	16
Rear counterweight 主机后配重	14	2.4 × 2.4 × 0.57	8

Note: the above-mentioned operating equipment is full-up configuration. The actual configurations are subject to contract.
注：以上作业装置为满配状态，具体配置以合同为准。

MAIN CHARACTERISTICS

主要特性

■ Safety Devices 安全装置

Load Moment Indicator 力矩限制器

- The proprietary load moment indicator is independently-developed by SANY, with performance structural parameters of all series of crawler cranes directly stored inside, such as bearing curve, boom and jib weight, center of gravity, and other geometrical parameters. Moment calculation adopts the targeted optimization model and combines SANY technology accumulated in crawler crane industry for many years. Having the customized advantage, this system maximizes the utilization efficiency of the crane while guaranteeing the lifting safety so as to avoid the technology disconnection and different after-sales service due to the separation between the crane and LMI, thus improving the overall quality of the crane.
- As independent safety control system fully controlled by computer, the LMI can automatically detect the load weight, work radius, and boom angle, compare rated capacity with actual load, actual radius and actual boom angle. In normal operation, the LMI can intelligently determine and cut off the crane from the dangerous direction. It also has black box function and record overload information.
- LMI consists of large colorful display, main machine, angle sensor, load sensor and pressure sensor.
- 三一自主研发专用力矩限制器, 系统内置各系列履带式起重机的载荷曲线、臂架重量、重心位置及其他几何参数等性能和结构数据。力矩计算采用针对性优化模型, 并融合三一多年履带式起重机技术积累。凭借高度定制化优势, 在确保吊装安全的前提下最大限度发挥整机性能, 同时避免因起重机与力矩限制器系统相互独立而产生的技术衔接及售后服务问题, 提升整机综合品质。
- 力矩限制器作为独立的计算机安全控制系统, 可自动检测吊载重量、工作幅度及臂架角度, 并将额定起重重量与实际载荷、实际工作幅度及实际臂架角度进行比较。正常作业过程中, 系统可智能判断危险动作并自动切断向危险方向的操作。同时具备黑匣子功能, 可记录超载信息。
- 力矩限制器主要由大尺寸彩色显示器、主机、角度传感器、载荷传感器和压力传感器组成。

Over-hoist Protection of the Main and Auxiliary Hooks 主、副提升防过卷装置

- It is used to prevent the over-hoist of the hook. When the lifting hook is raised to a certain height, the limit switch will start working, and hook will be automatically cut off from moving up by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only hook lowering is allowed to prevent over-hoist action.
- 用于防止吊钩过卷。当吊钩上升至设定高度时, 限位开关动作, 控制系统自动切断吊钩继续上升动作, 同时显示器和蜂鸣器发出报警。此时仅允许吊钩下降, 从而避免发生过卷。

Over-release Protection Device of the Main and Auxiliary Hook 主、副提升防过放装置

- It is used to prevent the wire rope over-release. When the wire rope is released to the last three wraps, the limit switch will start working, and the releasing of rope will be automatically stopped by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only rope retraction is allowed to prevent over release action.
- 用于防止钢丝绳过放。当钢丝绳放至卷筒仅剩最后三圈时, 限位开关动作, 控制系统自动停止继续放绳, 同时显示器和蜂鸣器发出报警。此时仅允许收绳, 从而避免钢丝绳过放。

Assembly/Work Mode Switch 装配/工作模式切换

- In assembly mode, some of the safety devices are ineffective for helping crane assembly, for example, jib lower limit, LMI boom angle limit and overload.
- In work mode, all safety devices can work.
- 在装配模式下, 为便于整机组装, 部分安全保护功能暂时屏蔽, 例如副臂下限位、力矩限制器臂架角度限位及超载保护等。
- 在工作模式下, 所有安全保护装置均正常启用。

Crane Boom/Jib Limit Device 主臂/副臂角度限位装置

- When the elevation angle of the boom exceeds 85° (LJ configuration) jib angle exceeds 73°, corresponding limit switch will be triggered, and the control system will automatically cut off the boom hoisting. Meanwhile, the display and the buzzer will give alarm. At this moment, boom/jib luffing winch won't hoist but it can still lower down.
- When the boom down angle is less than 20° or jib down angle is less than 15°, the control system will automatically cut off the boom/jib from further lowering. Meanwhile, the display and the buzzer will give alarms. At this moment, boom/jib luffing winch won't be able to lower. This protection is automatically controlled by Load Moment Limiter.
- 当主臂仰角超过85°(LJ工况)或副臂角度超过73°时, 相应限位开关动作, 控制系统自动切断继续起臂动作, 同时显示器和蜂鸣器发出报警。此时主臂/副臂变幅卷扬无法继续起升, 但仍可进行下降操作。
- 当主臂下放角度小于20°或副臂下放角度小于15°时, 控制系统自动切断主臂/副臂继续下降动作, 同时显示器和蜂鸣器发出报警。此时主臂/副臂变幅卷扬无法继续下放。该保护功能由力矩限制器自动控制。

Hoisting Mechanism Brake 起升机构制动器

- All hoisting brakes are spring loaded normally closed disc brakes, which are featured with large braking force, maintenance-free, safe and reliable use, and long service life.
- 所有起升机构均采用弹簧制动的常闭式盘式制动器, 具有制动力大、免维护、安全可靠、使用寿命长等特点。

Hook Latch 吊钩防脱装置

- The lifting hook is installed with a baffle plate to prevent wire rope from falling off.
- 起重钩配备防脱挡板, 防止钢丝绳从吊钩中脱出。

Video Monitoring System with Zoom Cameras 闭路监控系统(变焦摄像头)

- High-definition camera on boom tip, on each winch, at the rear of rotating bed and display consist the CCTV monitoring system. Real-time monitoring of each winch mechanism wire rope reeving and circumstances around the equipment is provided to make sure the operator can understand clearly and make sure the load safety. The camera can zoom in/out as needed.
- Components of the camera: wireless remote transmitter, wireless remote receiver, zoom camera.
- The video recorder can store the monitoring video for as long as 76hs.
- Crane operation can be stored.
- 由主臂臂头、各卷扬及转台后部的高清摄像头和显示器组成闭路监控系统, 可实时监控各卷扬机构钢丝绳的缠绕状态及设备周围环境, 使操作人员能够清晰掌握现场情况, 保障吊装作业安全。摄像头可根据需要进行变焦。
- 摄像系统包括无线遥控发射器、无线遥控接收器及变焦摄像头。
- 录像机可连续存储最长76小时的监控视频。
- 可记录整机作业过程。

MAIN CHARACTERISTICS

主要特性

■ Safety Devices 安全装置

Fault Auto-Diagnosis System 故障自动诊断系统

- Faults can be conveniently eliminated based on the fault code.
- 可根据故障代码快速定位并排查故障。

Black Box 黑匣子

- It is able to record the operation data and machine movement, and analyze the remaining running conditions and service life of machine based on the actual performance.
- 可记录整机运行数据及动作信息，并根据设备实际运行情况分析剩余运行工况及整机使用寿命。

Aviation Obstruction Light 航标灯

- It is mounted on the top of the boom/jib and alerts in air during night.
- 安装在主臂/副臂臂头，夜间用于航空警示。

Anemometer 风速仪

- It is mounted on the top of the boom/jib to monitor the wind speed in real time and display relative data on the monitor.
- 安装在主臂/副臂臂头，可实时监测风速，并在显示器上显示相关数据。

Electronic Level Indicator 电子水平仪

- It displays the tilting angle of the crane on the monitor in real time and protects the safe operation of the crane.
- 可在显示器上实时显示起重机倾斜角度，保障整机安全作业。

Lightning Protection Device 防雷装置

- It includes the lightning protection device and the surge protection device, which can effectively protect the electric system elements and workers from lightning.
- 包括直击雷防护装置和浪涌保护装置，可有效保护电气系统元件及作业人员免受雷击危害。

Boom Angle Indicator 臂架角度指示器

- It is a pendulum-type angle indicator fixed on one side of the boom base.
- 采用摆锤式角度指示器，安装在主臂下节臂一侧。

Swing and Traveling Alarm 回转及行走报警装置

- During swing and traveling, the alarm horn will be blown per certain frequency to alert the personnel around the crane. The horn can be shut off through the display.
- 起重机回转或行走时，报警器按照设定频率发出警示音，提醒设备周围人员注意安全。报警音可通过显示器关闭。

Function Lock 功能锁定

- The operation will be locked by pulling up the function locking lever on the right side of the seat inside the driver's cab or when the operator left the seat, after which no operating handles will be working so that improper operation caused by the body collision when getting on and off the crane can be avoided.
- 上拉驾驶室座椅右侧的功能锁定杆，或操作人员离开座椅时，整机操作功能将被锁定，所有操纵手柄均无法动作，从而避免操作人员上下车时身体误碰操纵装置而引发误操作。

Proactive Safety Control Technology 主动安全控制技术

- Reduce the slewing speed automatically based on boom length and make it safer.
- Flexible safety protection: reduce the action speed when approaching safety limit, making it stable and reliable.
- Real-time monitor of hydraulic oil temperature. Limit the activity according to hydraulic temperature and protect the hydraulic components effectively.
- In man-machine interface, this protection can be set valid or invalid, and provide more human-friendly design.
- 系统可根据臂架长度自动降低回转速度，提高作业安全性。
- 采用柔性安全保护技术，当机构接近安全极限位置时自动降低动作速度，确保机构运行平稳可靠。
- 实时监测液压油温，并根据油温限制机构动作速度，有效保护液压元件。
- 可通过人机界面启用或关闭相应保护功能，提升操作便利性和人性化水平。

WORKING CONDITIONS

工况组合

H	Main Boom 主臂	24m~87m
HJ	Mixed Boom 混合臂	58.5m~97.5m
LJ	Boom + Luffing Jib 变幅副臂	60m+70m
FJ	Boom + Fied Jib 固定副臂	63m+13m/45m+37m



H Configuration

HJ Configuration

LJ Configuration

FJ Configuration

Note: The schematics above are reference for loading only.

注：以上仅为工况吊载示意图。

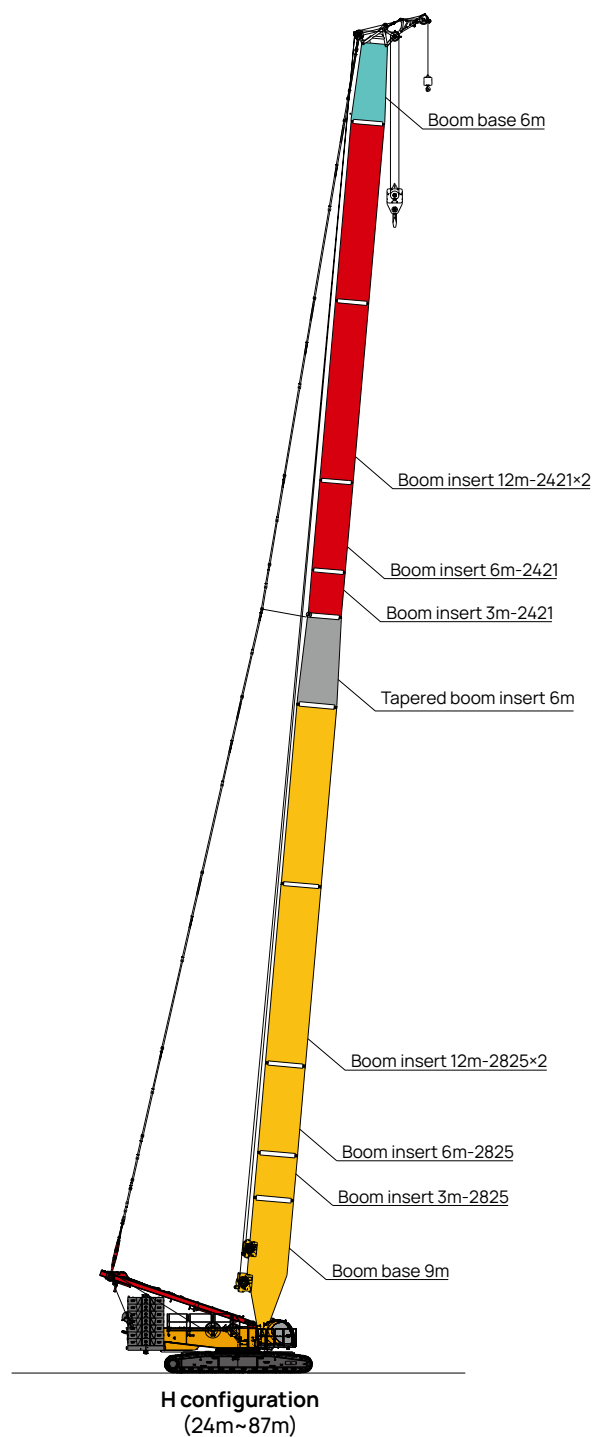
H CONFIGURATION

H工况臂架组合

Boom length 臂长 (m)	Inserts 中间臂					
	3m (2825)	6m (2825)	12m (2825)	3m (2421)	6m (2421)	12m (2421)
24	1	-	-	-	-	-
27	-	1	-	-	-	-
30	1	1	-	-	-	-
33	-	-	1	-	-	-
36	1	-	1	-	-	-
39	-	1	1	-	-	-
42	1	1	1	-	-	-
45	-	-	2	-	-	-
48	1	-	2	-	-	-
51	-	1	2	-	-	-
54	1	1	2	-	-	-
57	1	1	2	1	-	-
60	1	1	2	-	1	-
63	1	1	2	1	1	-
66	1	1	2	-	-	1
69	1	1	2	1	-	1
72	1	1	2	-	1	1
75	1	1	2	1	1	1
78	1	1	2	-	-	2
81	1	1	2	1	-	2
84	1	1	2	-	1	2
87	1	1	2	1	1	2

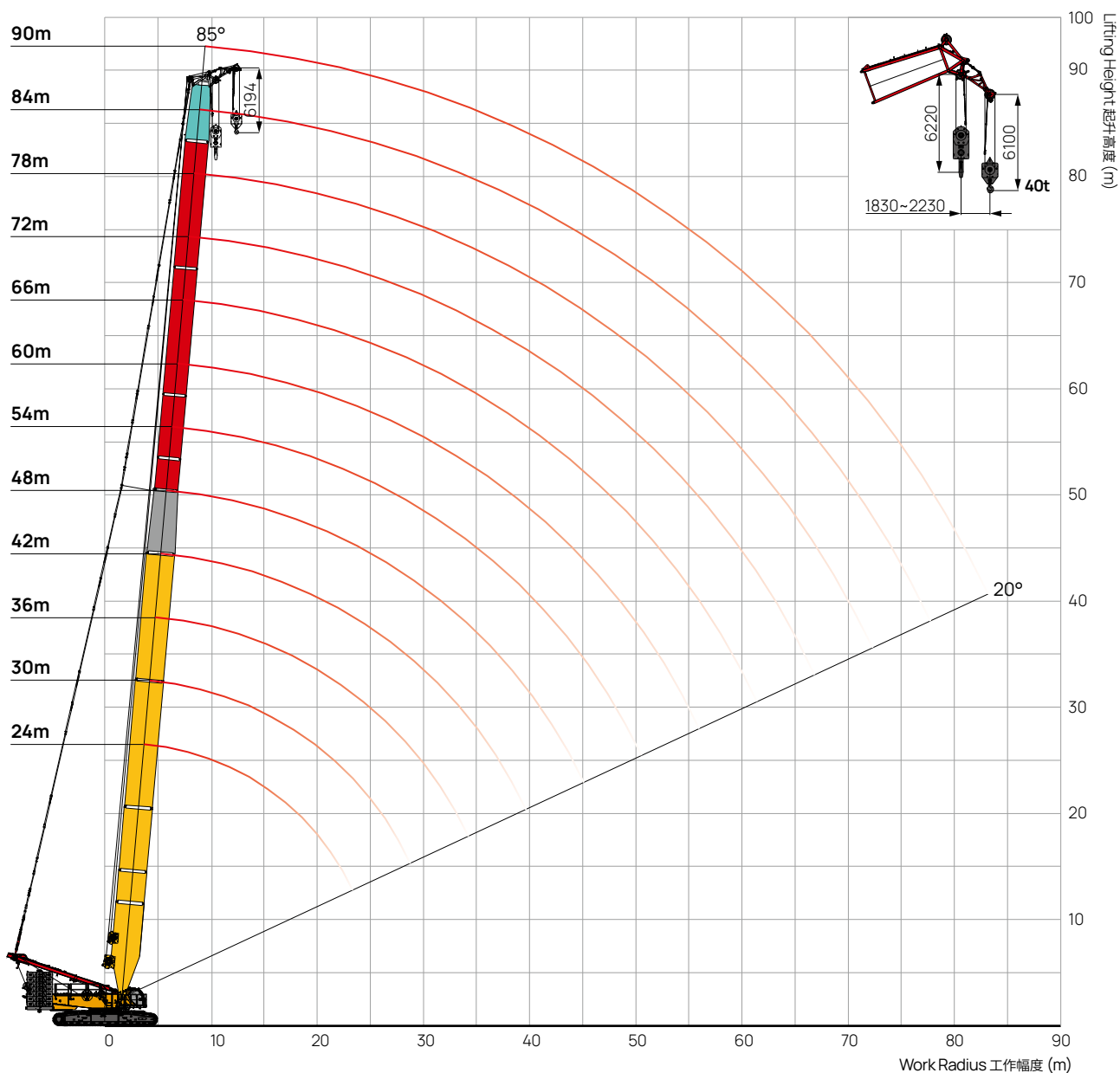
Note: 24m basic boom consists of 9m boom base, 6m transition section and 6m boom top.

注: 24m基本臂由9m主臂下节臂、6m主臂过渡节和6m主臂上节臂组成。



WORKING RADIUS-H

工况作业范围图-H工况



LOAD CHART-H
工况载荷表-H工况

Unit: t

 m	Boom length 24~87m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度24m~87m, 后配重128t, 中央配重40t																					 m	
	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84		87
5	320																						5
5.5	320	320	309																				5.5
6	311	309	307	287																			6
7	286	262	260	259	257	253	221	210															7
8	228	227	238	237	236	234	221	210	198	186	174	162											8
9	200	211	210	209	208	207	205	201	196	186	174	162	162	149	137	134							9
10	189	188	187	186	185	184	183	179	175	170	166	162	159	149	137	134	124	121	99.9	96.2			10
11	170	169	169	168	167	166	165	161	157	154	150	147	144	141	137	135	124	120	98.6	95	90.1	86.4	11
12	155	154	153	153	152	151	149	146	143	140	137	134	131	129	127	124	122	119	96.6	93.7	88.9	84.7	12
14	130	130	129	129	128	127	125	122	120	118	115	113	111	109	108	106	104	102	94.2	91.2	85.9	81.9	14
16	110	111	111	111	110	109	107	105	103	101	99.6	97.8	96.3	94.6	93.7	92	90.6	88.9	88	86.5	83	79.1	16
18	93.6	93.8	93.7	93.9	93.7	93.6	93.3	91.9	90.2	88.7	87.1	85.6	84.3	82.8	82.2	80.8	79.6	78.2	77.5	76.2	75	73.7	18
20	80.4	80.7	80.6	80.8	80.6	80.5	80.2	80.2	79.7	78.4	77	75.7	74.6	73.3	72.9	71.7	70.6	69.4	68.9	67.8	66.8	65.6	20
22	70.1	70.4	70.3	70.5	70.3	70.2	69.9	69.9	69.6	69.4	68.7	67.6	66.7	65.5	65.2	64.1	63.2	62.1	61.8	60.7	59.8	58.8	22
24	61.7	62.1	62.1	62.3	62.1	62	61.7	61.6	61.3	61.1	60.8	60.5	60	58.9	58.8	57.8	57	56	55.7	54.8	54	53	24
26		55.2	55.2	55.5	55.3	55.2	54.9	54.9	54.5	54.3	54	53.7	53.6	53.3	53.3	52.3	51.6	50.7	50.5	49.6	48.9	48.1	26
28			49.5	49.8	49.6	49.5	49.2	49.2	48.9	48.6	48.3	48	47.9	47.6	48.1	47.7	47	46.2	46	45.2	44.6	43.7	28
30			44.5	44.9	44.8	44.7	44.4	44.4	44	43.8	43.4	43.2	43.1	42.8	43.3	43	42.8	42.2	42.1	41.3	40.7	39.9	30
32				40.7	40.6	40.5	40.2	40.2	39.9	39.6	39.3	39	38.9	38.6	39.1	38.8	38.7	38.3	38.6	37.9	37.3	36.6	32
34					36.9	36.9	36.6	36.6	36.3	36	35.7	35.4	35.3	35	35.5	35.2	35	34.7	35.1	34.7	34.3	33.6	34
36						33.7	33.4	33.4	33.1	32.9	32.5	32.2	32.2	31.8	32.3	32	31.9	31.5	31.9	31.5	31.4	30.9	36
38						30.8	30.6	30.6	30.3	30.1	29.7	29.4	29.4	29	29.5	29.2	29.1	28.7	29.1	28.7	28.6	28.2	38
42								25.8	25.5	25.3	25	24.7	24.6	24.3	24.3	24.5	24.3	24	24.3	24	23.8	23.4	42
46									21.6	21.4	21.1	20.8	20.8	20.4	19.8	20.6	20.5	20.1	20.5	20.1	19.9	19.6	46
50											17.8	17.6	17.5	17.2	15.9	17.4	17.1	16.9	17.3	16.9	16.7	16.4	50
54												14.8	14.8	14.5	12.7	14.5	13.6	14.2	14.6	14.2	14.1	13.7	54
58													12.4	12.2	11.4	11.7	10.5	11.9	12.3	11.9	11.7	11.4	58
62															10.7	10.3	7.8	9.9	10.3	9.9	9.7	9.4	62
66																8.6	6.6	8.1	8.5	8.2	8	7.6	66
70																		6.6	7	6.6	6.5	6.1	70
74																			5.6	5.2	5.1	4.7	74
78																				3.9	3.8	3.5	78
82																						2.3	82

Notes 备注:

1.The transport dimensions of each part in the table are schematic, not proportional to the real parts. The dimensions are designed value without package considered.

2.Weight is designed value that the actual manufactured part may deviate a little.

3.The dimensions and weight of each part may change due to product upgrading. The final values are subject to the new product.

1. 表中各部件运输尺寸示意图仅供参考，与实物不按比例绘制；所列尺寸均为设计值，未考虑包装尺寸。

2. 表中重量均为设计值，实际制造件重量可能存在一定偏差。

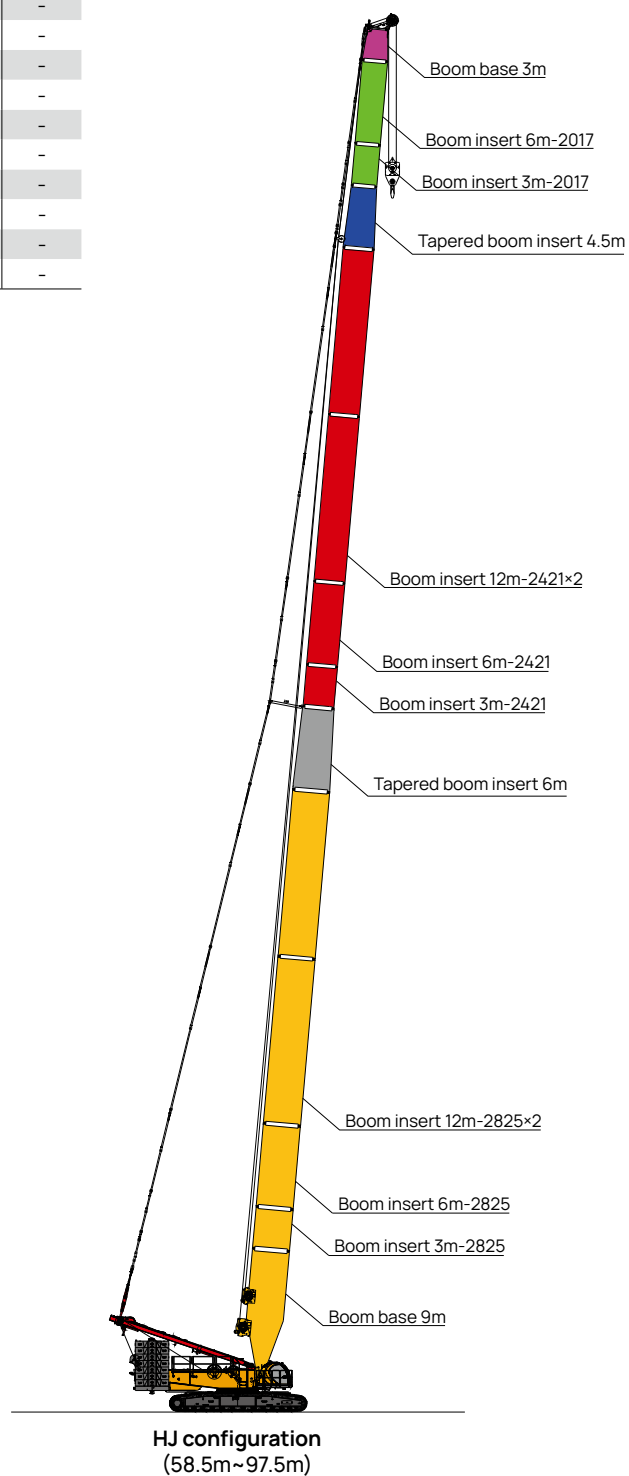
3. 各部件尺寸及重量可能因产品升级而调整，最终数据以最新产品为准。。

■ Rear counterweight 112t 后配重112t

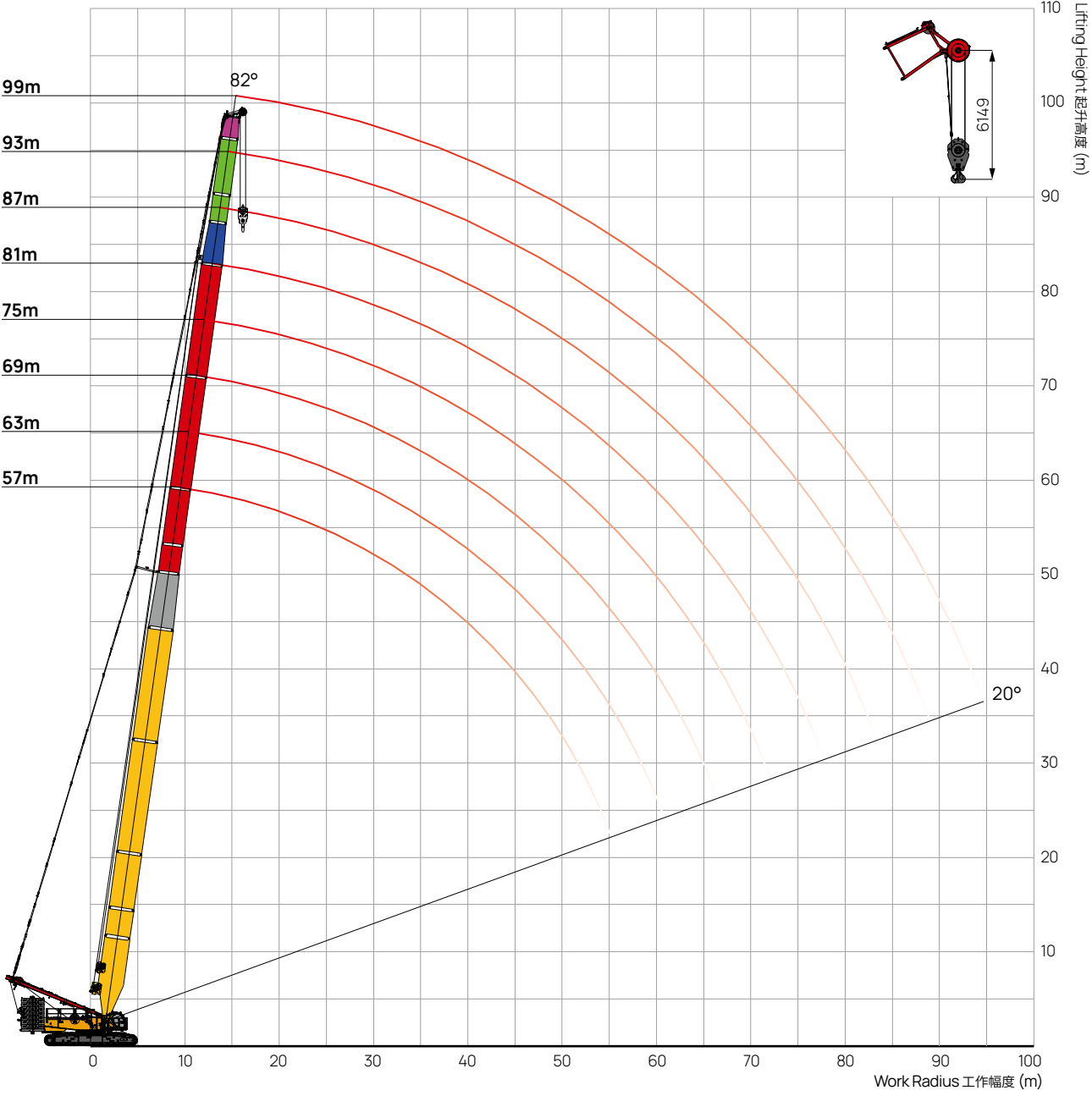
HJ CONFIGURATION

HJ工况臂架组合

Boom length 臂长 (m)	Inserts 中间臂								
	3m (2825)	6m (2825)	12m (2825)	3m (2421)	6m (2421)	12m (2421)	3m (2017)	6m (2017)	12m (2017)
58.5	1	1	2	1	-	-	-	-	-
61.5	1	1	2	-	1	-	-	-	-
64.5	1	1	2	1	1	-	-	-	-
67.5	1	1	2	-	-	1	-	-	-
70.5	1	1	2	1	-	1	-	-	-
73.5	1	1	2	-	1	1	-	-	-
76.5	1	1	2	1	1	1	-	-	-
79.5	1	1	2	-	-	2	-	-	-
82.5	1	1	2	1	-	2	-	-	-
85.5	1	1	2	-	1	2	-	-	-
88.5	1	1	2	1	1	2	-	-	-
91.5	1	1	2	1	1	2	1	-	-
94.5	1	1	2	1	1	2	-	1	-
97.5	1	1	2	1	1	2	1	1	-



WORKING RADIUS-HJ
工况作业范围图-HJ工况



LOAD CHART-HJ

工况载荷表-HJ工况

Unit: t

m	Boom length 58.5~97.5m, Rear counterweight128t, Carbody counterweight 40t 主臂长度58.5m~97.5m, 后配重128t, 中央配重40t														m
	58.5	61.5	64.5	67.5	70.5	73.5	76.5	79.5	82.5	85.5	88.5	91.5	94.5	97.5	
11	145														11
12	135	132	129	128											12
14	114	112	110	109	107	105	103	92.8							14
16	99.3	97.8	96	95.1	93.5	92	90.4	89.5	87.6	82.3	78.2	72.1	67.5		16
18	87.2	85.9	84.4	83.8	82.4	81.2	79.8	79.2	77.8	76.7	75.2	69.1	64.2	52.8	18
20	77.4	76.3	75.1	74.6	73.4	72.4	71.2	70.7	69.5	68.5	67.3	66.4	61.4	50.2	20
22	69.4	68.5	67.3	67	65.9	65	64	63.6	62.5	61.7	60.6	59.7	59	47.6	22
24	62.5	61.8	60.8	60.6	59.6	58.8	57.9	57.6	56.6	55.8	54.9	54.1	53.5	45.1	24
26	55.7	55.7	55.3	55.2	54.3	53.5	52.6	52.4	51.6	50.9	50	49.2	48.7	43	26
28	50.1	50	49.7	50.1	49.6	49	48.1	48	47.2	46.5	45.7	45	44.5	41	28
30	45.2	45.2	44.8	45.3	45	44.9	44.2	44.1	43.3	42.7	41.9	41.3	40.9	39.1	30
32	41.1	41	40.7	41.2	40.8	40.7	40.4	40.7	39.9	39.3	38.6	38	37.6	37	32
34	37.5	37.4	37.1	37.5	37.2	37.1	36.7	37.1	36.7	36.3	35.6	35.1	34.7	34.1	34
36	34.3	34.2	33.9	34.4	34	33.9	33.6	33.9	33.6	33.4	33	32.4	32.1	31.6	36
38	31.5	31.4	31.1	31.6	31.2	31.1	30.8	31.1	30.7	30.6	30.2	30	29.8	29.2	38
40	29	28.9	28.6	29.1	28.8	28.6	28.3	28.6	28.2	28.1	27.7	27.5	27.5	27.1	40
42	26.8	26.7	26.4	26.9	26.5	26.4	26	26.4	26	25.8	25.5	25.2	25.2	25	42
44	24.8	24.7	24.4	24.8	24.5	24.4	24	24.3	24	23.8	23.4	23.2	23.2	22.9	44
46	22.9	22.9	22.5	23	22.7	22.5	22.2	22.5	22.2	22	21.6	21.4	21.3	21.1	46
48	21.3	21.2	20.9	21.4	21	20.9	20.5	20.9	20.5	20.3	19.9	19.7	19.7	19.4	48
50	19.7	19.7	19.3	19.8	19.5	19.3	19	19.3	19	18.8	18.4	18.2	18.2	17.9	50
52	18.3	18.3	17.9	18.4	18.1	17.9	17.6	17.9	17.6	17.4	17	16.8	16.7	16.5	52
54	17	16.9	16.6	17.1	16.8	16.7	16.3	16.6	16.3	16.1	15.7	15.5	15.5	15.2	54
56	15.7	15.7	15.4	15.9	15.6	15.5	15.1	15.5	15.1	14.9	14.5	14.3	14.3	14	56
58		14.6	14.3	14.8	14.5	14.3	13.9	14.3	14	13.8	13.4	13.2	13.2	12.9	58
60			13.2	13.4	13.4	13.3	12.4	13.3	13	12.8	12.4	12.2	12.1	11.9	60
62			12.2	12.8	12.5	12.3	11.3	12.4	12	11.8	11.4	11.2	11.2	10.9	62
64				11.9	11.6	11.4	10.3	11.5	11.1	10.9	10.5	10.3	10.3	10	64
66					10.7	10.6	9	10.6	10.2	10.1	9.7	9.5	9.4	9.2	66
68					9.9	9.8	7.7	9.8	9.5	9.3	8.9	8.7	8.5	8.4	68
70						9	7.7	9.1	8.7	8.5	8.2	7.9	7.6	7.6	70
72							7.7	8.3	8	7.8	7.5	7.2	6.7	6.9	72
74								7.7	7.3	7.2	6.8	6.6	5.9	6	74
76								7	6.7	6.5	6.2	5.9	5.1	5	76
78									6.1	5.9	5.6	5.3	4.3	3.9	78
80										5.3	5	4.8	3.4	2.9	80
82										4.8	4.4	4.2	2.7	2.1	82
84											3.9	3.7			84
86												3.2			86

LJ CONFIGURATION

LJ工况臂架组合

Boom Configuration (LJH) LJH工况

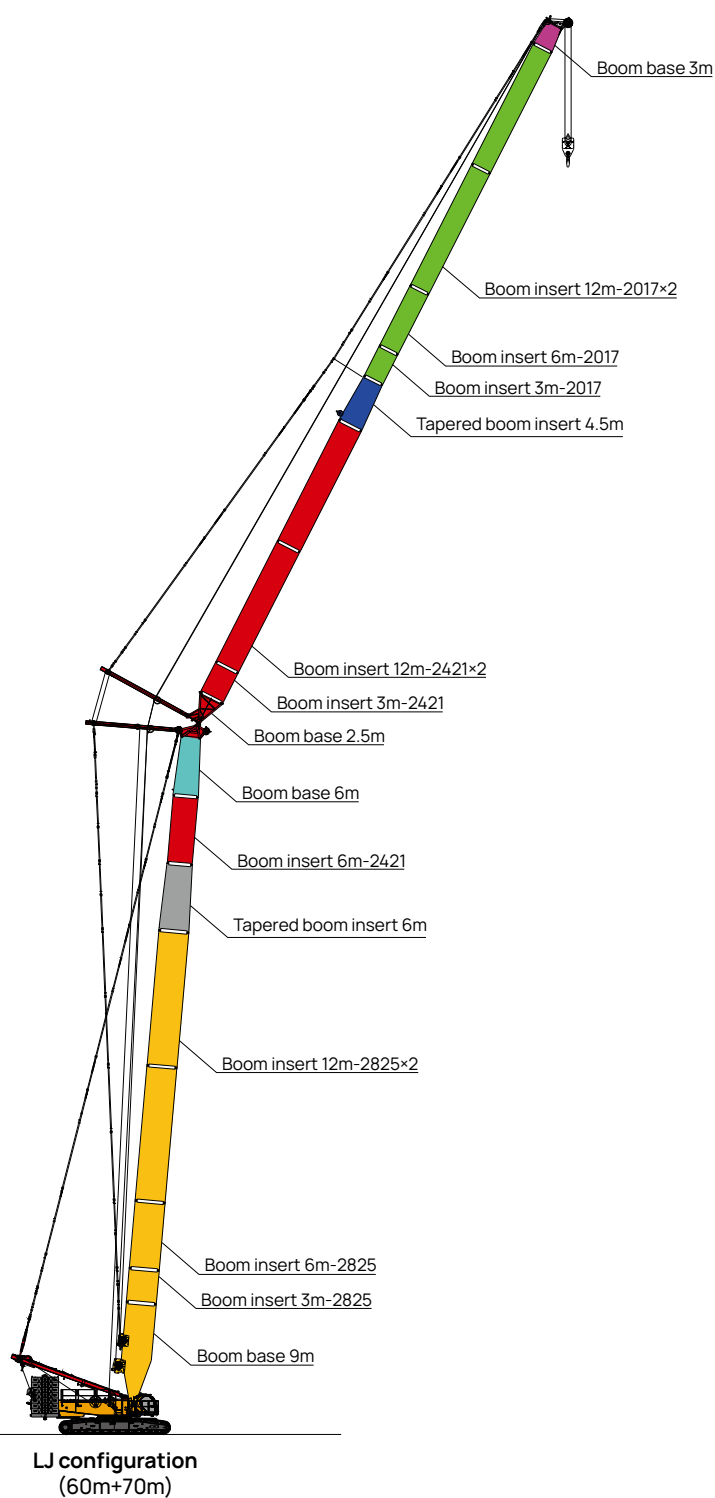
Boom length 臂长 (m)	Inserts 中间臂					
	3m (2825)	6m (2825)	12m (2825)	3m (2421)	6m (2421)	12m (2421)
24	1	-	-	-	-	-
27	-	1	-	-	-	-
30	1	1	-	-	-	-
33	-	-	1	-	-	-
36	1	-	1	-	-	-
39	-	1	1	-	-	-
42	1	1	1	-	-	-
45	-	-	2	-	-	-
48	1	-	2	-	-	-
51	-	1	2	-	-	-
54	1	1	2	-	-	-
57	-	1	2	-	1	-
60	1	1	2	-	1	-

Jib Configuration (LJL) LJL工况

Boom length 臂长 (m)	Inserts 中间臂					
	3m (2421)	6m (2421)	12m (2421)	3m (2017)	6m (2017)	12m (2017)
25	1	-	-	-	-	1
28	1	-	-	1	-	1
31	1	-	-	-	1	1
34	1	-	-	1	1	1
37	1	-	1	-	-	1
40	1	-	1	1	-	1
43	1	-	1	-	1	1
46	1	-	1	1	1	1
49	1	-	2	-	-	1
52	1	-	2	1	-	1
55	1	-	2	-	1	1
58	1	-	2	1	1	1
61	1	-	2	-	-	2
64	1	-	2	1	-	2
67	1	-	2	-	1	2
70	1	-	2	1	1	2

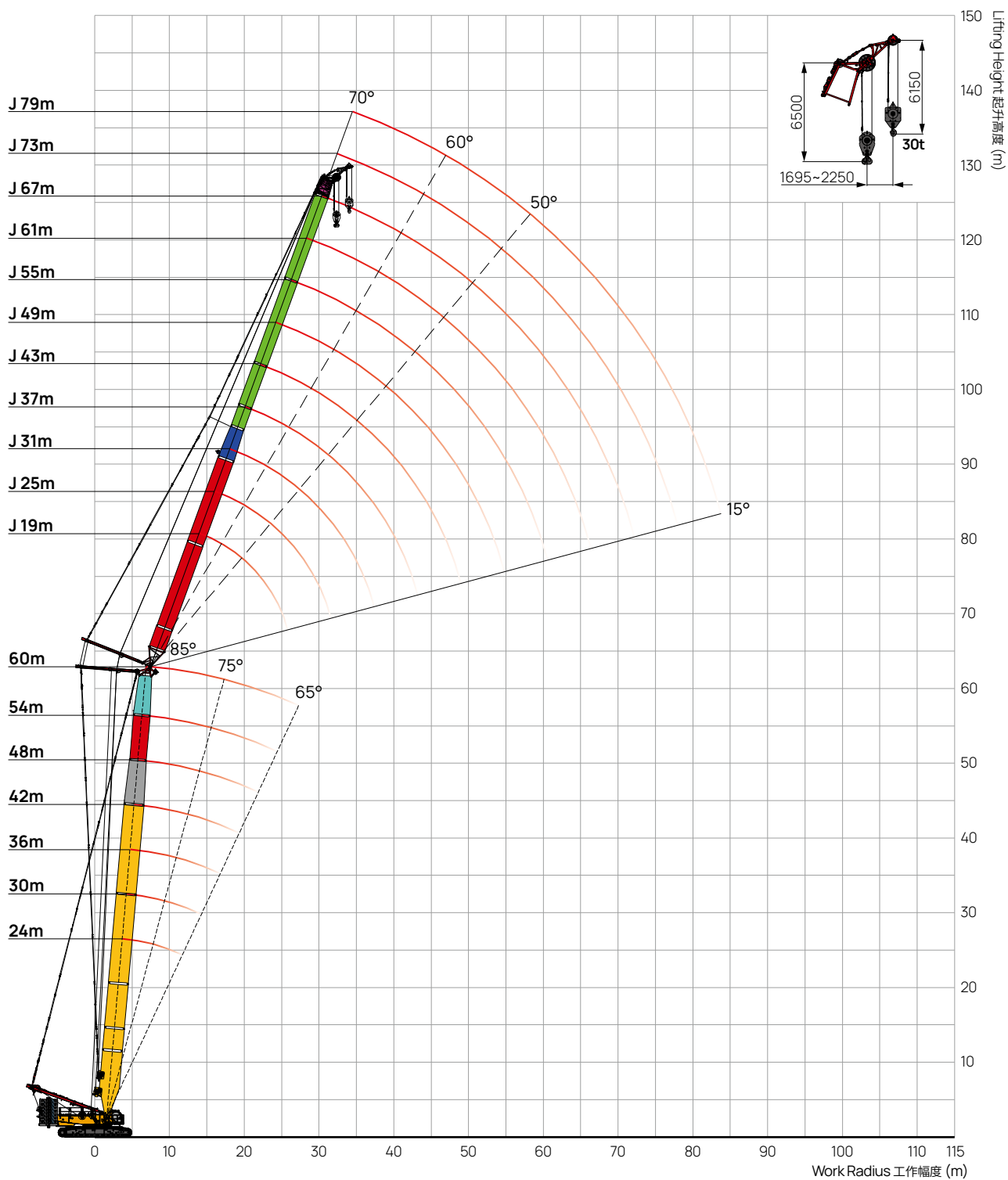
Note: 19m basic jib consists of 2.5m boom base, 4.5m transition section and 3m boom top.

注: 19m基本副臂由2.5m副臂下节臂、4.5m副臂过渡节和3m副臂上节臂组成。



WORKING RADIUS-LJ

工况作业范围图-LJ工况



LOAD CHART-LJ

工况载荷表-LJ工况

Unit: t

 m	Boom length 24m, Boom angle 85°, Jib length 25m~70m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度24m, 主臂角度85°, 副臂长25m~70m, 后配重128t, 中央配重40t															 m	
	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67		70
14	127																14
16	105	105	105														16
18	87.6	88.6	88.5	88.9	89.1												18
20	78.8	75.5	75.5	76.1	76.3	76.5	74.8										20
22	67.6	69.1	69.3	66	66.3	66.6	66.8	62.9									22
24	58.2	60.2	60.6	61.4	58.3	58.6	58.9	57.2	58.9	58.8							24
26	53.3	52.6	53.3	54.3	54.9	52	52.3	52.2	52.4	52.4	52.5	52.3					26
28	42.4	49	47.1	48.3	48.9	49.4	46.9	47	47	47	47.1	47	47.2	47			28
30		42.3	44.3	43	43.8	44.4	44.9	43.5	42.4	42.4	42.5	42.4	42.6	42.5	42.4	38.4	30
36				30	33.7	32.6	33.4	33.8	34	34.1	34.3	32.1	32.3	32.2	32.2	32.1	36
40					22.9	28.2	29.5	28.1	28.4	28.7	28.9	29	29.3	27.2	27.3	27.1	40
44								22.9	24.9	25.6	24.1	24.5	24.6	24.9	24.9	25	44
48								18.2	21.1	21.8	20.7	20.9	21.3	21.3	21.4	21.4	48
52										17.5	18.8	19.2	18.2	18.3	18.4	18.4	52
56											14.1	16	16.7	15.5	15.8	15.8	56
60												11	13.7	14.3	14.7	13.5	60
64														11	12.3	12.5	64
68															8.7	10.3	68
72																6.5	72

 m	Boom length 33m, Boom angle 85°, Jib length 25m~70m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度33m, 主臂角度85°, 副臂长25m~70m, 后配重128t, 中央配重40t																 m
	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	
16	104	102															16
18	92.8	91.2	89.8	88.3													18
20	83.5	82.1	80.9	79.6	78.2	77											20
22	71.4	72.8	72.9	72.3	69.7	69.9	69	64									22
24	61.4	63.2	63.5	64.3	64.7	61.3	61.6	58.5	60.9	60.2							24
26	56.2	55.2	55.8	56.7	57.2	57.6	54.6	53	54.6	54.6	54.7	53.7					26
28	47.8	51.4	52.4	50.3	50.9	51.4	51.8	48.6	48.8	48.8	48.9	48.8	49	48.5			28
30		44.6	46.2	44.7	45.5	46	46.5	44.8	46	44	44.1	44	44.2	44	42.7	38.4	30
32		40	40.6	42.5	40.8	41.4	42	41	42.3	42.4	39.9	39.8	40	39.9	39.9	37	32
36				33.2	35	36.1	34.5	34.9	35.1	35.2	35.4	35.4	35.6	33.2	33.2	33	36
40					29.3	29.2	30.4	30.4	29.3	29.5	29.7	29.8	30.1	30	30	27.9	40
44						22.3	24.6	25.7	26.3	24.8	25.1	25.2	25.6	25.6	25.6	25.5	44
48								20.7	21.8	22.4	22.9	21.4	21.8	21.8	21.9	21.9	48
52									18.3	18.5	19.3	19.6	20.2	18.7	18.8	18.8	52
56											15.8	16.4	17.1	17.3	16.1	16.1	56
60												14.6	14.3	14.7	15	15.1	60
64													11.8	12.1	12.6	12.8	64
68															10.2	10.6	68
72																9.3	72

LOAD CHART-LJ

工况载荷表-LJ工况

Unit: t

 m	Boom length 42m, Boom angle 85°, Jib length 25m~70m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度42m, 主臂角度85°, 副臂长25m~70m, 后配重128t, 中央配重40t																 m
	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	
16	98.5																16
18	87.9	86.4	85.1														18
20	79.3	77.9	76.8	75.5	74.2												20
22	72.1	70.9	69.9	68.8	67.6	66.5	65.6										22
24	65.3	65	64.1	63.1	62	61	60.2	59	58.2								24
26	60	58.4	58.8	58.2	57.2	56.3	55.5	54.1	53.7	52.8	52.1						26
28	51.4	54.4	54.9	52.8	53	52.1	51.4	49.4	49.7	48.9	48.3	47.4	47				28
30	45.7	47.5	48.8	47	47.7	48.2	47.9	45.5	46.3	45.5	44.9	44.1	43.8	43	40.4		30
36			33.5	35.2	36.8	37.7	36	35.8	36.5	36.6	36.7	36.2	35.9	34.4	34.4	34.1	36
40					31.2	30.7	31.8	31.1	30.4	30.6	30.8	30.9	31.1	31	30.8	30.2	40
44						25.9	25.9	26.9	27.2	25.8	26.1	26.1	26.5	26.4	26.5	26.4	44
48								21.9	22.8	23.3	23.8	22.2	22.6	22.6	22.7	22.6	48
52									20	19.4	20.1	20.4	20.9	19.4	19.5	19.4	52
56										16.8	16.6	17.2	17.8	18	18.2	16.7	56
60												15.4	14.9	15.3	15.6	15.7	60
64													13.3	12.7	13.2	13.3	64
68															10.8	11.2	68
73																9.5	73

 m	Boom length 51m, Boom angle 85°, Jib length 25m~70m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度51m, 主臂角度85°, 副臂长25m~70m, 后配重128t, 中央配重40t																 m
	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	70	
18	83	81.6															18
20	75	73.8	72.7	71.5													20
22	68.4	67.3	66.3	65.2	64.1	63.1											22
24	62.9	61.8	60.9	59.9	58.9	57.9	57.1	56.2									24
26	58.1	57.1	56.3	55.4	54.4	53.5	52.8	51.9	51	50.1							26
28	54.1	53	52.3	51.4	50.5	49.6	49	48.1	47.3	46.5	45.9	45					28
30	49.8	49.5	48.8	47.9	47.1	46.3	45.6	44.8	44.1	43.3	42.7	41.9	41.6	39.8			30
36			36.8	37.1	38.5	38.2	37.4	36.7	36.3	35.6	35.1	34.4	34.1	33.5	33	32	36
40					33	32.1	33.1	31.5	31.6	31.6	31.2	30.5	30.3	29.7	29.2	28.6	40
44						27.5	27.1	27.5	28	28.3	27	27	27.1	26.5	26.1	25.5	44
48							23	22.9	23.7	24.2	24.7	24.4	23.3	23.3	23.4	22.9	48
52									21	20.2	20.8	21.1	21.6	20	20.1	20	52
56										17.8	17.3	17.8	18.4	18.6	18.5	17.2	56
60											15	16.2	15.6	15.8	16.1	16.1	60
64													14	13.2	13.7	13.8	64
68														11.8	12.6	11.6	68
72																10.6	72
74																9.4	74

LOAD CHART-LJ

工况载荷表-LJ工况

Unit: t

 m	Boom length 60m, Boom angle 85°, Jib length 37m~70m, Rear counterweight 128t, Carbody counterweight 40t 主臂长度60m, 主臂角度85°, 副臂长37m~70m, 后配重128t, 中央配重40t												 m
	37	40	43	46	49	52	55	58	61	64	67	70	
22	55.8												22
24	49.4	49.4	49.7										24
26	44.3	44.4	44.5	44.4	44.6								26
28	40.1	40.2	40.2	40.1	40	40.1	39.2						28
30	36.8	36.5	36.5	36.4	36.3	36.2	36.3	35.4	34.7				30
36	28.8	28.5	28.4	28.2	28	27.7	27.8	27.5	27.5	27.4	27.2	26.3	36
40	25.1	24.7	24.5	24.3	24.1	23.8	23.7	23.4	23.4	23.1	22.8	22.7	40
44		21.6	21.5	21	20.9	20.6	20.5	20.2	20.2	19.9	19.7	19.2	44
48			18.9	18.5	18.5	18	17.9	17.6	17.5	17.3	17	16.6	48
52				16.3	16.2	15.9	15.7	15.3	15.2	15	14.7	14.3	52
56						13.9	13.8	13.5	13.4	13.1	12.8	12.4	56
60							12.1	11.9	11.8	11.5	11.2	10.7	60
64									10.4	10	9.7	9.4	64
68										8.8	8.5	8.1	68
72											7.3	7	72
75												7	75

FJ CONFIGURATION

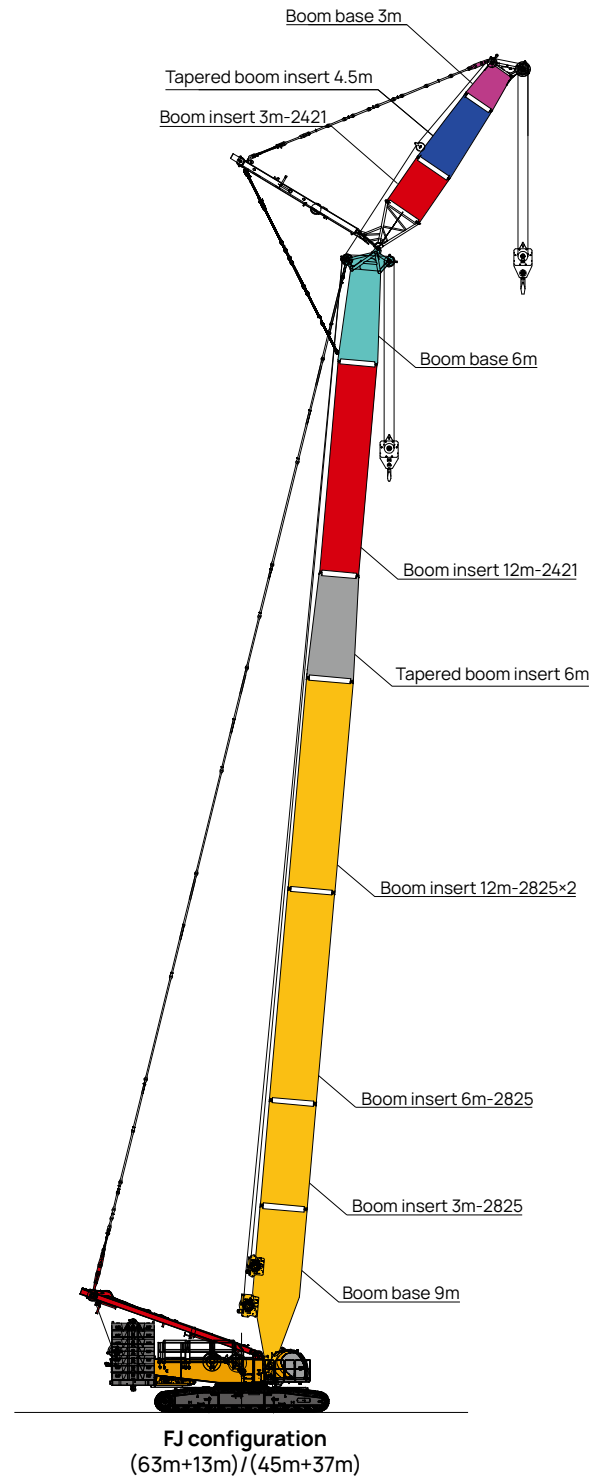
FJ工况臂架组合

■ Boom Configuration (FJH) FJH工况

Boom length 臂长 (m)	Inserts 中间臂					
	3m (2825)	6m (2825)	12m (2825)	3m (2421)	6m (2421)	12m (2421)
24	1	-	-	-	-	-
27	-	1	-	-	-	-
30	1	1	-	-	-	-
33	-	-	1	-	-	-
36	1	-	1	-	-	-
39	-	1	1	-	-	-
42	1	1	1	-	-	-
45	-	-	2	-	-	-
48	1	-	2	-	-	-
51	-	1	2	-	-	-
54	1	1	2	-	-	-
57	-	-	2	-	-	1
60	1	-	2	-	-	1
63	-	1	2	-	-	1

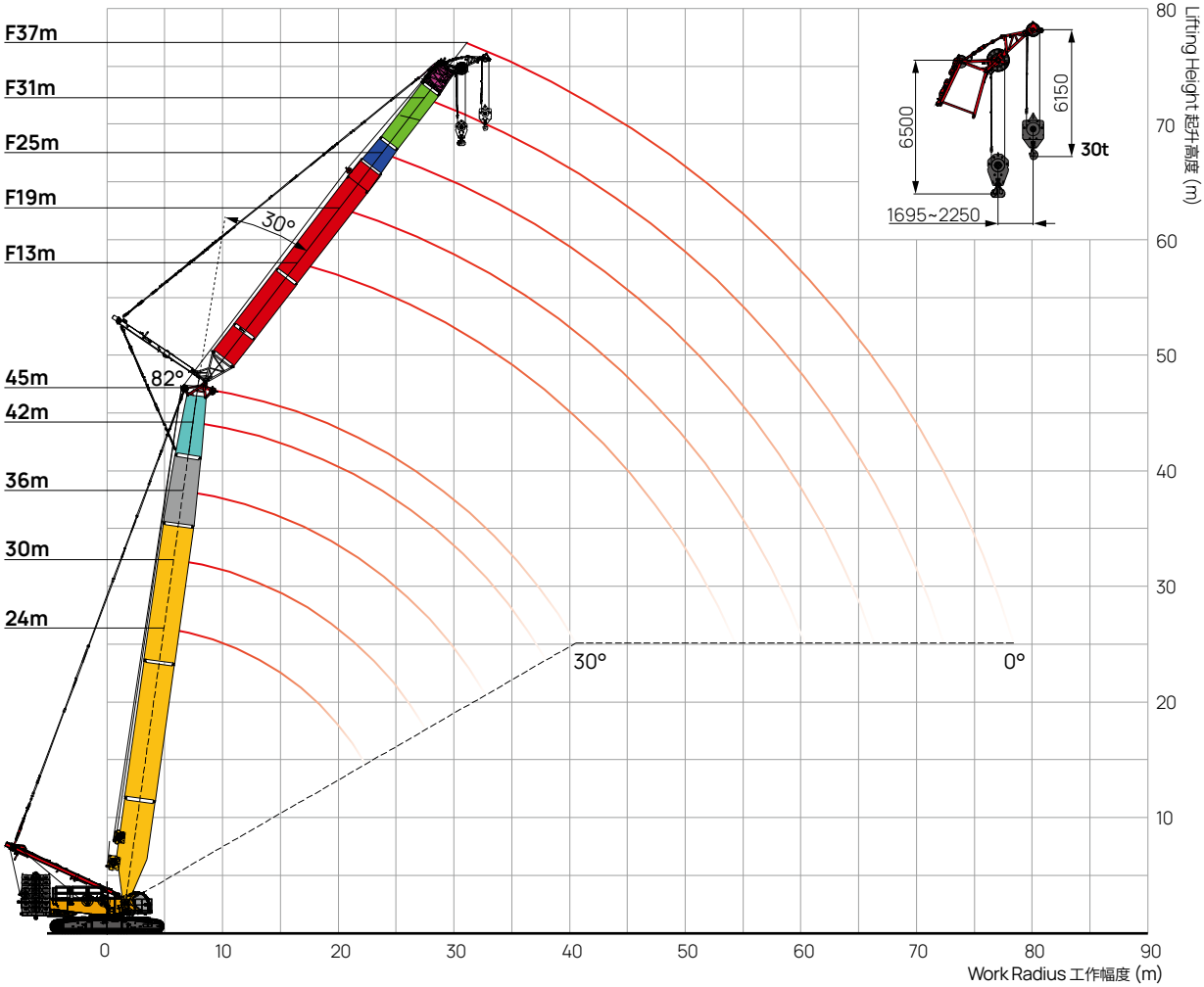
■ Jib Configuration (FJF) FJF工况

Boom length 臂长 (m)	Inserts 中间臂					
	3m (2421)	6m (2421)	12m (2421)	3m (2017)	6m (2017)	12m (2017)
13	1	-	-	-	-	-
16	1	-	-	1	-	-
19	1	1	-	-	-	-
22	1	1	-	1	-	-
25	1	-	1	-	-	-
28	1	-	1	1	-	-
31	1	1	1	-	-	-
34	1	1	1	1	-	-
37	1	1	1	-	1	-



WORKING RADIUS-FJ

工况作业范围图-FJ工况



LOAD CHART-FJ

工况载荷表-FJ工况

Unit: t

 m	Boom to jib angle 30°, Boom 24m~63m, Fixed jib 13m, Rear counterweight 128t, Carbody counterweight 40t 主副夹角30°, 主臂长度24m~63m, 固定副臂13m, 后配重128t, 中央配重40t														 m
	24	27	30	33	36	39	42	45	48	51	54	57	60	63	
15	53.8	52.4													15
16	52.6	51.2	55.8	69.4	70.4										16
18	50.5	49.3	54.1	66.2	67.3	68.1	67.9	68.5	68.6						18
20	48.6	47.7	52.4	63.3	64.4	65.2	66.1	66.8	66.5	66.8	67.2	37.6	37.3	37	20
22	46.9	46.2	51	60.7	61.7	62.7	63.6	64.3	64.2	64.6	65.2	36.8	36.5	36.1	22
24	45.5	45	49.3	58.3	59.4	60.4	61.3	61.4	60.4	59.4	58.4	35.6	35.6	35.6	24
26	44	43.8	48.2	55.6	55.3	55.1	54.9	54.7	54.3	53.3	52.4	34.7	34.8	34.8	26
28	43	42.9	47.2	49.4	49.2	49	48.7	48.6	48.3	48.1	47.2	33.9	34	34.1	28
30	42.2	41.8	44.3	44.2	44	43.8	43.5	43.3	43.1	42.8	42.5	33.2	33.3	33.4	30
32	40	40	39.8	39.7	39.5	39.3	39	38.8	38.6	38.3	38	32.5	32.6	32.7	32
34	36	36	35.8	35.8	35.6	35.4	35.1	34.9	34.6	34.4	34.1	32.7	32	32.1	34
36		32.4	32.3	32.3	32.1	31.9	31.6	31.5	31.2	30.9	30.6	31.1	30.8	30.5	36
38		29.2	29.2	29.2	29	28.8	28.6	28.4	28.1	27.9	27.5	28	27.7	27.4	38
40			26.3	26.4	26.2	26.1	25.8	25.7	25.4	25.1	24.8	25.3	25	24.7	40
44					21.4	21.3	21.1	21	20.7	20.4	20.1	20.6	20.3	20	44
48						17.3	17.1	17.1	16.8	16.5	16.2	16.8	16.4	16.2	48
52								13.7	13.5	13.2	12.9	13.5	13.2	12.9	52
56									10.5	10.4	10.1	10.7	10.4	10.1	56
60											7.6	8.3	8	7.7	60
64													5.8	5.6	64
68														3.7	68

 m	Boom to jib angle 30°, Boom 24m~51m, Fixed jib 25m, Rear counterweight 128t, Carbody counterweight 40t 主副夹角30°, 主臂长度24m~51m, 固定副臂25m, 后配重128t, 中央配重40t										 m
	24	27	30	33	36	39	42	45	48	51	
22	27.8										22
24	26.4	25.7	28.1	39.4	39.6	37.4					24
26	25.4	24.6	27.2	38.2	38.5	36.5	38.6	39.8	40	40	26
28	24.2	23.8	26.2	37.1	37.5	35.6	37.7	38.5	38.6	38.7	28
30	23.2	23	25.4	35.6	36.4	35.1	36.9	37.2	37.3	37.2	30
32	22.4	22.1	24.4	34.2	34.9	34.3	36.1	36.6	36.1	35.7	32
34	21.7	21.3	23.6	32.9	33.5	33.6	34.8	35.3	35	34.7	34
36	20.9	20.7	23	31.6	32.3	33	33.6	34.1	34	33.7	36
38	20.1	20	22.4	30.5	31.2	31.6	31.4	31.2	30.9	30.6	38
40	19.6	19.5	21.7	29.3	29	28.8	28.5	28.3	28	27.8	40
42	19.1	19	21.2	26.8	26.5	26.3	26	25.8	25.5	25.2	42
44	18.7	18.6	20.7	24.5	24.2	23.9	23.6	23.5	23.2	22.9	44
46	18.5	18.2	20.2	22.4	22.1	21.8	21.5	21.4	21	20.8	46
48		17.9	19.9	20.4	20.2	19.9	19.6	19.4	19.1	18.9	48
50		17.9	18.6	18.6	18.4	18.1	17.8	17.7	17.3	17.1	50
52			16.9	16.9	16.7	16.5	16.2	16	15.7	15.4	52
54				15.3	15.1	14.9	14.7	14.5	14.2	13.9	54
56					13.6	13.5	13.2	13.1	12.8	12.5	56
58						12.1	11.9	11.7	11.5	11.2	58
60						10.8	10.6	10.5	10.2	10	60
62							9.3	9.3	9	8.8	62
64								8.1	7.9	7.7	64
66									6.8	6.6	66
68									5.8	5.6	68
70										4.6	70

LOAD CHART-FJ

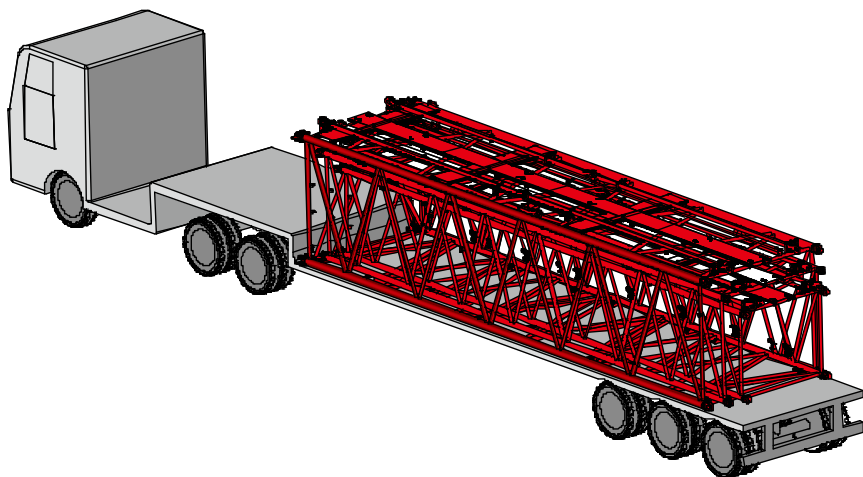
工况载荷表-FJ工况

Unit: t

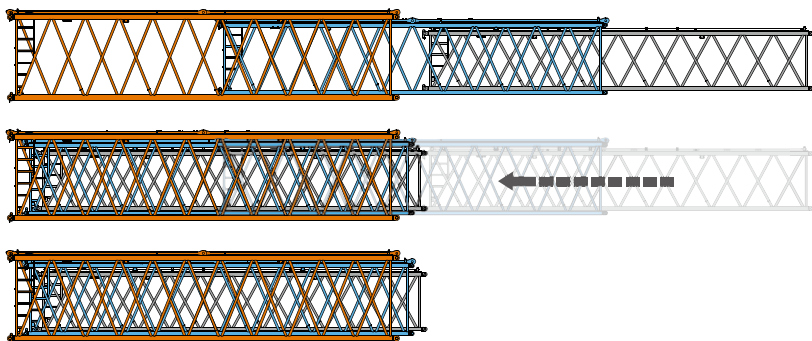
 m	Boom to jib angle 30°, Boom 24m~45m, Fixed jib 37m, Rear counterweight 128t, Carbody counterweight 40t 主副夹角30°, 主臂长度24m~45m, 固定副臂37m, 后配重128t, 中央配重40t								 m
	24	27	30	33	36	39	42	45	
32	15.4	14.8	16.5	23.9					32
34	14.6	14.3	15.9	23	22.9	22.3	23	23.1	34
36	14	13.5	15.2	22	22.2	21.9	22.2	22.3	36
38	13.3	13.1	14.6	20.9	21.4	21.4	21.3	21.4	38
40	12.8	12.4	14.1	20	20.6	20.9	20.8	20.7	40
42	12.3	11.9	13.6	19.2	19.8	20.1	20.2	20.3	42
44	11.8	11.5	13.1	18.5	19	19.4	19.7	20	44
46	11.3	11.1	12.6	17.8	18.3	18.7	19.1	19.4	46
48	10.8	10.7	12.2	17.2	17.7	18.1	18.5	18.9	48
50	10.4	10.3	11.8	16.6	17.1	17.5	17.9	18.2	50
52	10.1	10	11.5	16.1	16.5	17	17.4	17.7	52
54	9.8	9.7	11.1	15.6	16.1	16.5	16.4	16.2	54
56	9.6	9.4	10.8	15.2	15.5	15.2	14.9	14.7	56
58	9.5	9.1	10.6	14.4	14.1	13.8	13.6	13.4	58
60		8.9	10.4	13.1	12.8	12.6	12.3	12.1	60
62		8.9	10.2	11.8	11.6	11.3	11.1	10.9	62
64			10.1	10.6	10.4	10.2	9.9	9.7	64
66				9.4	9.3	9.1	8.8	8.7	66
68					8.1	8	7.8	7.6	68
70						7	6.8	6.6	70
72						5.9	5.8	5.7	72
74							4.8	4.8	74
76								3.8	76

TRANSPORTATION OF THREE-TIERED BOOM SET

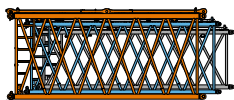
臂架三级套装运输



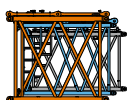
■ Three-tiered boom set of 12m boom&jib inserts
12m臂节三级套装



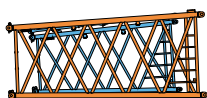
■ Three-tiered boom set of 6m boom&jib inserts
6m臂节三级套装



■ Three-tiered boom set of 3m boom&jib inserts
3m臂节三级套装



■ Three-tiered boom set of tapered inserts
变径节三级套装



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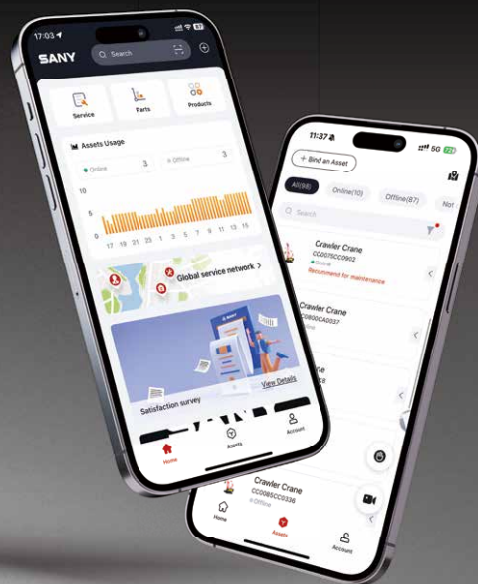
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温馨提示：

由于技术不断更新，技术参数及配置如有更改，恕不另行通知。图中机器可能包括附加设备，本画册仅供参考，以实物为准。

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