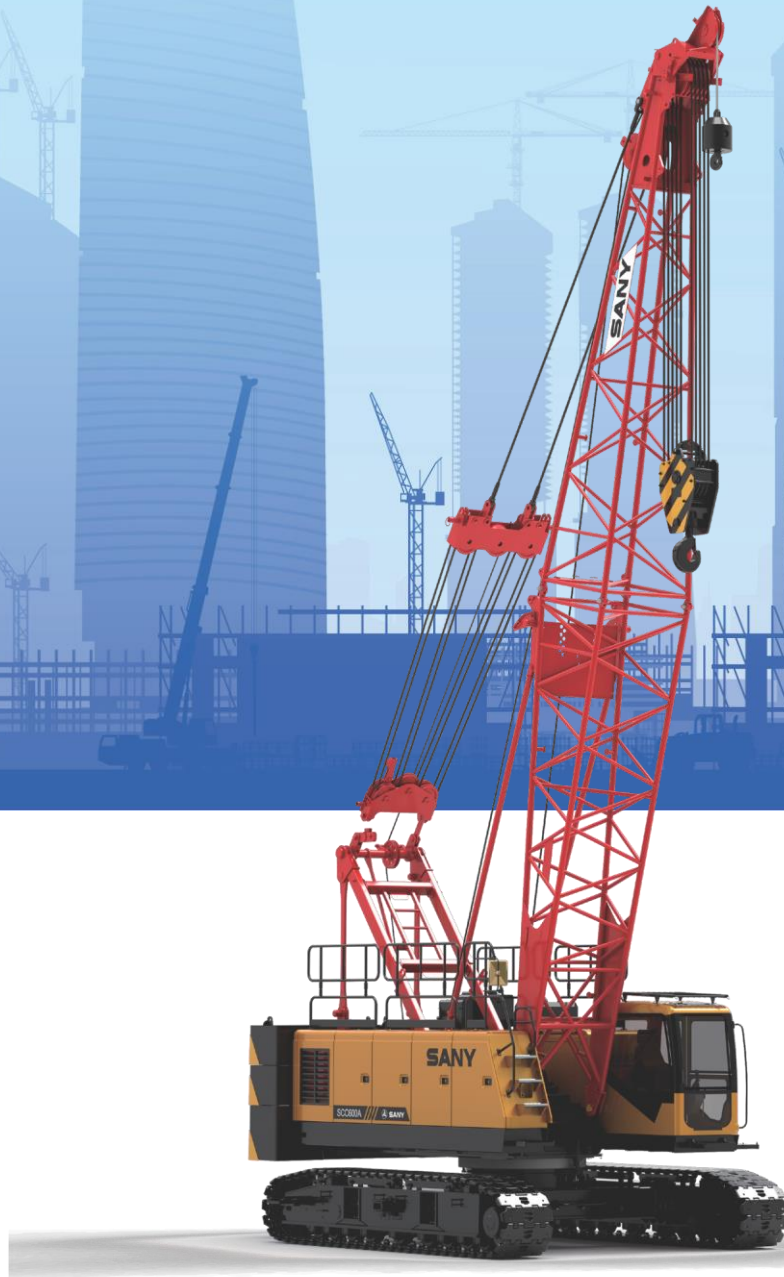




SCC600A- 6

Crawler Crane 60 Tons Lifting

Quality Changes the World



Max. Lifting moment: 222t·m
Max. Boom length: 52m
Max. Fixed jib combination: 43m+15.25m



Crawler Crane Series
SCC600A-6

P03

Main
Characteristics

- Product Specification
- Safety Device

P09

T e c h n i c a l
D e t a i l s

- Major Performance & Specifications
- Outline Dimension
- Transport Dimension
- Transport Plan

P17

Configurations

- H Configuration
- FJ Configuration

A

SCC600A-6
SANY CRAWLER CRANE
60 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Main Characteristics

- Page 04 Operator's cab
- Page 06 Lower Work

> 03

Product Specification



Engine

- **Model:** Cummins QSB5.9-C210 diesel engine;
- **Type:** Four-stroke, water-cooled, in-line six-cylinder, direct injection, turbocharged, inter-cooled, meets European non-highway phase III emission standards, and meets China's non-highway country 3 emission standards;
- **Displacement:** 5.9L;
- **Rated power:** 154kW/2200rpm;
- **Use power:** 147kW/1800rpm;
- **Maximum torque:** 820N·m/1500rpm;
- **starting motor:** 24V-6.0kW. Optional engine:
- **Model:** Weichai Power WP6G190 diesel engine;
- **Type:** four-stroke, water-cooled, in-line six-cylinder, direct injection, turbocharged, inter-cooled, in line with China's non-highway country 3 emission standards;
- **Displacement:** 6.75L;
- **Rated power:** 140kW/2000rpm;
- **Maximum torque:** 860N·m/1300-1500rpm;
- **Starting motor:** 24V-4.25kW;
- **Battery:** Two 12V high-capacity batteries, connected in series;
- **Fuel tank:** 400L.

Electrical control system

- Adopting Sany's independent research and development SYIC-2 integrated control system, with high system integration and precise operation;
- **Control system:** It consists of power supply system, engine system, main control system, torque limiter system, auxiliary system and safety monitoring system. Between the controller, display, and engine Use CAN bus technology for data communication;
- **Display:** It can display working parameters and working status such as engine speed, fuel quantity, oil pressure, servo pressure, engine working time, lifting condition and boom angle;
- Optional Skyeye system and remote control walking up and down trailer functions.

Hydraulic system

- **Main pump:** adopts a large displacement open variable plunger pump to provide oil source for the main actuator of the whole machine;
- **Gear pump:** double gear pump, used for rotation, heat dissipation and control circuits;
- **Control:** The main pump adopts electric proportional positive flow control, and the winch motor adopts a stepless variable variable plunger motor. The operating element adopts two cross hydraulic control handles, one dual walking foot control, Control valve, used to proportionally control each actuator;
- **Cooling method:** air-cooled heat exchanger, fin-type inner core, multi-stage cooling;
- **Filter:** large flow, high filtration accuracy, with bypass valve and indicator, which can remind you to replace the filter element in time;
- The maximum pressure of the system: 32MPa;
- Main and auxiliary lifting, changing and walking systems: 32MPa;
- Rotating system: 24MPa;
- Control system: 5MPa;
- Hydraulic oil tank capacity: 305L.

Main and Aux. Load Hoist Mechanism

- The main and auxiliary winches are driven separately, and the reel is directly driven by the winch motor through the reducer. By operating the hoisting handle, the reel can be rotated in two directions to realize the lifting and lowering of the hook Action, at the same time has good low-speed performance;
- The multi-layer winding of the broken line reel ensures no messy rope;
- Optional main and auxiliary roll free fall hooks.

Main Load Hoist Mechanism	Drum diameter	520mm
	1st layer rope speed	0~130m/min
	Wire rope diameter	φ 22mm
	Wire rope length of main load	180m
	Rated single line pull	7t

Auxiliary Load Hoist Mechanism	Drum diameter	520mm
	1st layer rope speed	0~130m/min
	Wire rope diameter	φ 22mm
	Wire rope length of auxiliary	130m
	Rated single line pull	7t



Product specifications

Boom Hoist mechanism

- The Hoist is directly driven by the Hoist motor through the reducer. By manipulating the luffing handle, the reel can be rotated in two directions, and the boom can be raised and lowered;
- The design of the fold-line reel can ensure multi-layer winding without messy rope.

Boom hoist Mechanism	Drum diameter	355m
	Single rope speed	0~80m/mi
	Wire rope diameter	φ 16m
	Wire rope length of boom	142m

Slewing mechanism

- Slewing brake adopts wet, spring-loaded chip normally closed brake, spring force brake;
- The slewing system is equipped with an integrated slewing buffer valve, which has a free slip function, stable slewing start and control, and excellent micro-movement. Unique slewing buffer design, braking more stable;
- Slewing drive: internal meshing slewing drive, capable of 360° slewing, maximum slewing speed 1.9rpm.
- Rotation lock: a latch type locking mechanism to ensure that the turntable on the car can be reliably locked when the work is completed or transported;
- Slewing ring: Single-row ball slewing ring.

Cab and control

- The upgraded design of the cab, the interior and the control box are softened and molded; the hatchback front windshield and the left and right sliding windows make ventilation and external communication more convenient; with low-beam front lighting, rear Sight glass, panoramic sunroof, more open field of vision; installed with heating and cooling air-conditioning, radio; seat, joystick, and control buttons are all designed according to ergonomics, making operation more comfortable
- Display configuration: using integrated touch screen + independent monitoring display screen, man-machine dialogue is more perfect;
- Control box: The left and right control boxes made of molds are beautiful and coordinated. They are equipped with control handles, electric switches, emergency stop buttons and ignition switches. The control box can be adjusted back and forth with the seat;
- Seat: Suspended, multi-degree-of-freedom adjustable seat with unloading switch;
- Air conditioning: cold and warm air, optimized air ducts, air outlets;
- The display has a reversing image function, which can monitor the situation behind and around the counterweight in real time.

Counterweight

- The stacking method of pallets and counterweights is adopted, which is convenient for assembly, disassembly, and transportation;
- The total weight of the rear counterweight: about 16.1t;
- Rear counterweight composition: pallet 4.4t×1, counterweight I 5.7t×1, left counterweight 3t×1, right counterweight 3t×1.

Onboard structure

- The overall use of high-strength steel welded box structure, no deformation torsion, more reasonable layout of parts, and easy maintenance.

产品规格



Get off structure

- The crawler frame on both sides adopts independent walking driving device, and the walking motor realizes linear walking and steering through the reducer and driving wheel.

Tension and Retraction

- The crawler frame can be extended and retracted through the expansion and contraction of the cylinder. The crawler frame must be in the unfolded state during normal operation, and the crawler can be retracted when the weight is not exceeded. The entire crawler frame Transport host.

Crawler Tensioning

- Use a jack to push the guide wheel and adjust the tension of the track by adjusting the shim.

Track shoe

- High-strength alloy cast steel track shoes, longer life;
- Width 760mm, quantity 60 pieces×2.

Working equipment

- The main chord of the operating equipment boom is made of high-strength steel pipes, the arm head pulley is made of high-strength and wear-resistant nylon to protect the steel wire rope, and the hook uses rolled and welded steel pulleys. Boom pull rope
Optional opening and closing cable joint drawstring for easy disassembly and assembly.

Boom

- Lattice structure, the main chord adopts high-strength structural steel pipe, and each boom section is connected by a pin;
- Basic boom: 6.5m upper section arm +6.5m lower section arm;
- Middle arm: 3m×1, 6m×3, 9m×2;
- Boom length: 13m~52m.

Fixed jib

- Truss structure, the main chord adopts high-strength structural steel pipe, and each boom section is connected by a pin;
- Basic boom: 3.05m upper boom +3.05m lower boom;
- Middle arm: 3.05m×3;
- Length of fixed jib: 6.1m~15.25;
- The longest main boom + jib: 43m main boom + 15.25m jib.

Extended arm

- Welded structure, which is connected with the main arm through a pin shaft for auxiliary hook operation;
- Length of extended arm: 1.0m.

Lifting hook

- 60t lifting hook, 5 pulleys;
- 45t lifting hook, 3 pulleys;
- 15t hook, 1 pulley;
- 9t ball hook.

安全装置

**Installation / working mode switch**

- In installation mode, some safety devices do not work to facilitate crane installation;
- In working mode, all safety limit devices are functional. emergency stop
- In an emergency, press the stop button to cut off the power supply of the whole machine and stop all actions. Torque limiter

▪ An independent safety control system that is completely computer-controlled. The torque limiter can automatically detect the weight of the crane, the working radius and the angle of the boom, and display Rated load, actual load, working radius and boom angle. Under normal operating conditions, it can intelligently judge and automatically cut off the crane's dangerous direction action, and has a black box function to record overloaded lifting information;

▪ **Composition: display, angle sensor, force sensor, etc.**

Main and auxiliary lifting anti-over winding device

▪ Consists of limit switches and heavy hammers installed on the upper boom to prevent excessive lifting of the crane hook. When the lifting hook is raised to the upper limit of height, the limit switch will act and the buzzer on the left control panel will beep. Alarm, fault indicator flashes at the same time, lifting hook lifting action is automatically cut off.

Main and auxiliary lift anti-over discharge device

▪ It is composed of an action trigger device and a proximity switch installed in the drum to prevent excessive lowering of the wire rope. When the steel rope is placed near the last three laps, the proximity switch is activated and the system buzzes. Alarm, display alarm information on the display, automatically cut off the lowering action of the winch.

Function lock

▪ If the function lock handle is not in place, all other function operation handles will be invalid, which can avoid disoperation caused by body collision when getting on and off the car.

Luffing reel locking device

▪ Equipped with a luffing lock switch, which can be locked when the luffing action is not required to avoid disoperation of the handle; the luffing pawl can be automatically opened and closed with the neutral position, the pawl can be locked automatically. The reel is automatically locked to ensure that the boom is safely parked in a non-working state.

Swing locking device

▪ The crane can be locked on and off.

Boom limit device

▪ When the elevation angle of the boom reaches the maximum set angle, the buzzer will alarm and the boom operation will be stopped. This protection function is controlled by a torque limiter and a two-stage travel switch.

Lifting arm anti-backward device

▪ Composed of nested steel pipes, springs and other parts, the spring force buffers the energy of the main boom to prevent backward tilting.

Boom angle indicator

▪ The pendulum-type angle indicating device is fixed on the side of the lower section arm against the cab, which is convenient for the operator to check.

Lifting hook anti-off card

▪ The lifting hooks are equipped with baffles to prevent the wire rope from falling off.

Three-color load warning light

▪ The load warning light is divided into three colors of green, yellow and red, and displays the real-time load simultaneously. When the actual load is less than 90% of the rated load, the "green light" light is on; when the actual load is greater than the rated load, when the load is 90% and less than 100%, the "yellow light" light will be on, the early warning light will flash and intermittent alarm sound; when the actual load reaches 100% of the rated load, the "red light" light will be on, and the early warning light will flash and emit Continuous alarm sound; when the actual load reaches 102% of the rated load, The system automatically cuts off the crane's operation towards dangerous trends.

安全装置



Work warning light

- The power-on status will continue to flash, which serves as a warning to the surroundings of the device.

Rotation indicating device

- When walking or turning, the turning indicator is flashing.

Flashlight

- Equipped with low-beam lights in front of the driver's cab, front-angle adjustable high-beam lights, and night lighting equipment in the driver's room to improve visibility during construction.

Rearview mirror

- Set the armrests (or cameras) on the left side of the driver's cab and the front end of the hood to facilitate monitoring of the rear of the machine.

Navigation light

- Installed on the top of the boom, indicating the height of the boom.

Anemometer

- Installed on the top of the boom to monitor the wind speed in real time, and transmit the data to the cab for display on the display.

Electronic level

- The tilt angle of the crane is displayed on the display in real time, and when it exceeds the set value, it will automatically alarm to warn the operator.

Seat chain

- When the operator leaves the seat, all control handles will not work, which can avoid disoperation caused by body collision when getting on and off the car.

Engine power limits load regulation and stall protection

- The controller monitors the engine power to prevent the engine from holding up and stalling.

Engine condition monitoring

- It can display engine cooling water temperature, fuel quantity, accumulated working time, oil pressure, engine speed, battery charging status, voltage, etc.

Surveillance system

▪ Standard remote monitoring:

It can realize GPS satellite positioning, GPRS data transmission, equipment use status query, statistics, operation data monitoring and analysis, and remote fault diagnosis.

B

SCC600A-6 SANY CRAWLER CRANE 60 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Technical Parameters

- Page 10 Main Performance Parameters
- Page 11 The Basic Size of the Machines of whole machine
- Page 12 Transport Dimensions
- Page 16 Transport Plan

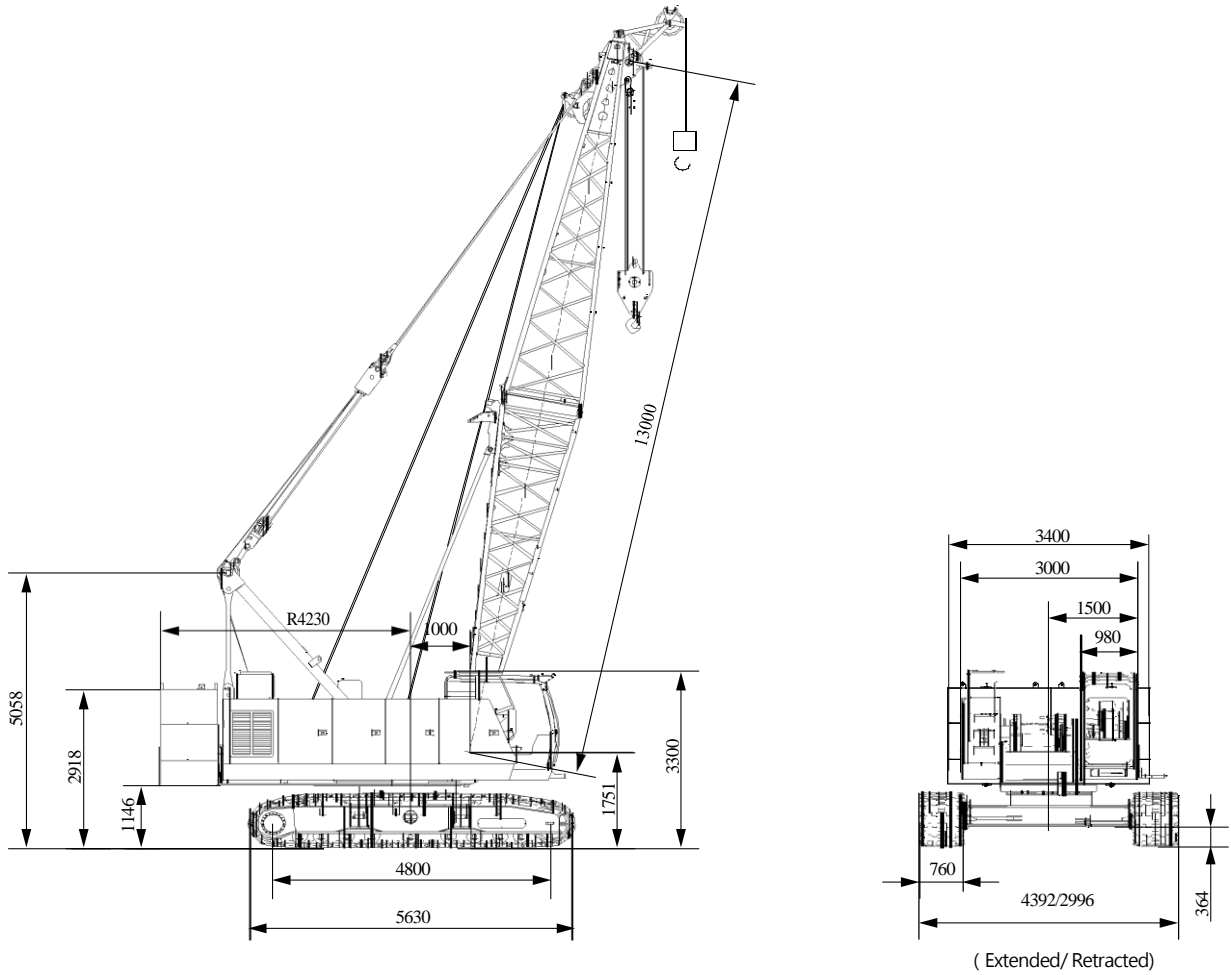
> 09

主要性能参数

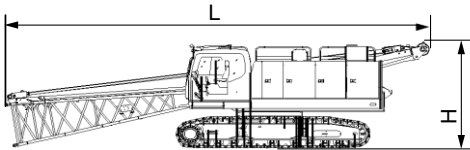
Major Performance & Specifications of SCC600A-6			
Performance Indicators		Unit	Parameter
Boom Configuration	Max. rated lifting capacity	t	60
	Largest lifting moment	t·m	222
	Boom length	m	13~52
Fixed Jib	Max. rated lifting capacity	t	7
	Jib length	m	6.1~15.25
	Longest boom + jib	m	43+15.25
Speed	Rope speed of main/aux. winch (1st layer)	m/min	0~130
	Rope speed of boom hoist winch	m/min	0~80
	Swing speed	rpm	0~1.9
	Travel speed	km/h	0~1.3
Wire rope	Main load hoist wire rope: diameter × length	mm × m	Ø22 × 180
	Aux. load hoist wire rope: diameter × length	mm × m	Ø22 × 130
	Rated single line pull of main/aux. hoist wire rope	t	7
Engine	Model/Displacement	∇L	Cummins QSB5.9-C210\5.9
	Rated power/revolution speed	kW/ rpm	154/2200 或 140/2000
Transport Parameters	Weight of machine with basic boom	t	48
	Rear counterweight	t	16
	Transport weight of basic machine (with crawlers and boom	t	30.5
	Machine transport dimension (with crawlers and boom base)	m	12.1 × 3 × 3.35
Other specifications	Average ground pressure (basic boom)	MPa	0.062
	Grade-ability	%	40

单位 :mm

整机基本尺寸

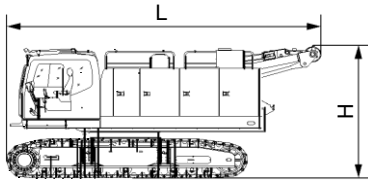


运输尺寸



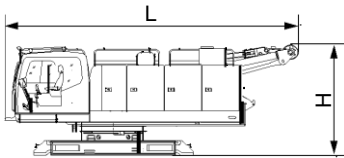
Basic Machine 1 (With boom base and Crawler Frame) ×1

Length (L)	12.1m
Width (W)	3.0m
Height (H)	3.35m
Weight	30.5t



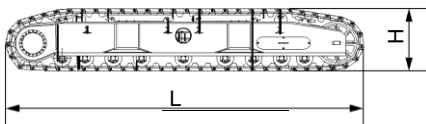
Basic machine 2 ×1

Length (L)	7.2m
Width (W)	3.0m
Height (H)	3.35m
Weight	29.6t



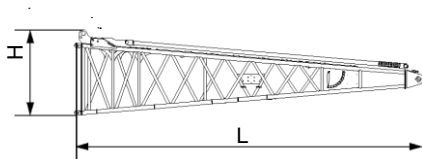
Basic Machine 3 ×1

Length (L)	7.1m
Width (W)	3.0m
Height (H)	3.0m
Weight	17.2t



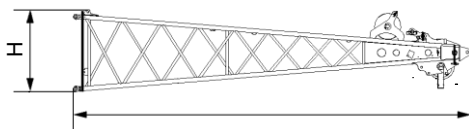
Crawler Frame ×2

Length (L)	5.63m
Width (W)	0.9m
Height (H)	0.98m
Weight	6.2t



Boom Base ×

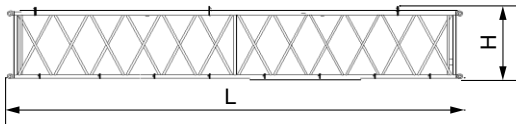
Length (L)	6.65m
Weidth (W)	1.39m
Height (H)	1.65m
Weight	0.95t



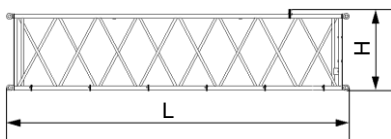
Boom Top ×1

Length (L)	7.1m
Weidth (W)	1.39m
Height (H)	1.48m
Weight	0.8t

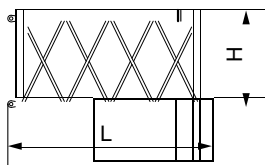
运输尺寸



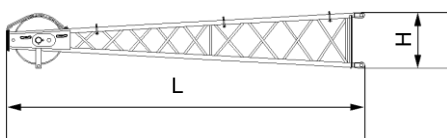
9m Boom	×2
Length (L)	9.1m
Width (W)	1.39m
Height (H)	1.48m
Weight	0.65t



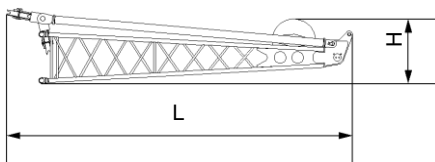
6m Boom	×3
Length(L)	6.1m
Width (W)	1.39m
Height (H)	1.48m
Weight	0.45t



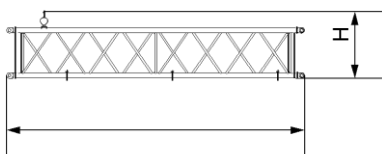
3m Boom	×1
Length (L)	3.1m
Width (W)	1.39m
Height (H)	1.48m
Weight	0.28t



Fixed Jib Top	×1
Length (L)	3.38m
Weidth (W)	0.7m
Height (H)	0.55m
Weight	0.15t

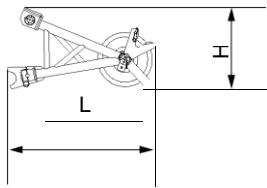


Fixed jib base and struct	×1
Length (L)	3.57m
Weidth (W)	0.61m
Height (H)	0.78m
Weight	0.25t



3.05m Fixed Jib	×3
Length (L)	3.11m
Weidth (W)	0.62m
Height (H)	0.7m
Weight	0.1t

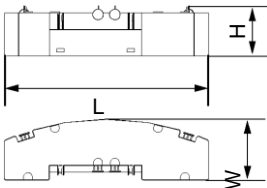
运输尺寸



Boom Extension jib

×1

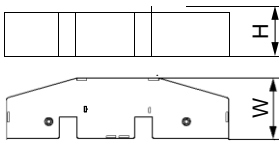
长(L)	1.26m
宽(W)	0.71m
高(H)	0.7m
重量	0.12t



Counterweight tray

×1

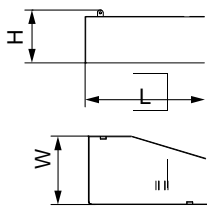
Length (L)	3.4m
Width (W)	0.98m
Height (H)	0.715m
Weight	4.4t



配重块I

×1

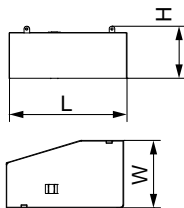
Length (L)	3.4m
Width (W)	0.98m
Height (H)	0.76m
Weight	5.7t



Left Counterweight block 1

×1

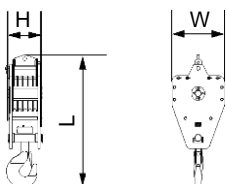
Length (L)	1.69m
Width (W)	0.97m
Height (H)	0.75m
Weight	3.0t



Left Counterweight

×1

Length (L)	1.69m
Width (W)	0.97m
Height (H)	0.75m
Weight	3.0t

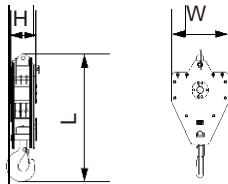


60T Hook

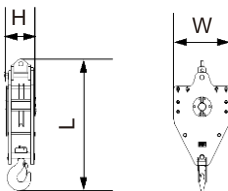
×1

Length (L)	1.65m
Width (W)	0.69m
Height (H)	0.39m
Weight	0.65t

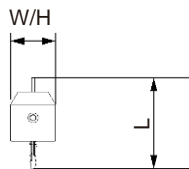
运输尺寸



45T Hook ×1	
Length (L)	1.52m
Width (W)	0.69m
Height (H)	0.37m
Weight	0.48t



15T Hook ×1	
Length (L)	1.34m
Weight (W)	0.6m
Height (H)	0.34m
Weight	0.28t



9T Ball Hook ×1	
Length (L)	0.75m
Weight (W)	0.30m
Height (H)	0.30m
Weight	0.18t

Notes:

- ① The transportation dimensions of this part are schematic diagrams and not drawn to scale. The marked dimensions are design values, excluding packaging.
- ② The weight is the design value and may be slightly different due to manufacturing errors.

运输方案

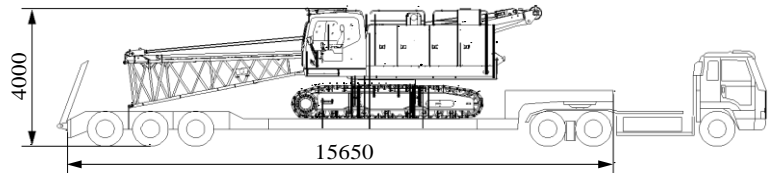
运输车 1

包含部件

- Basic Machine

运输重量

- 30.5t

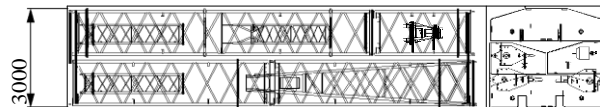
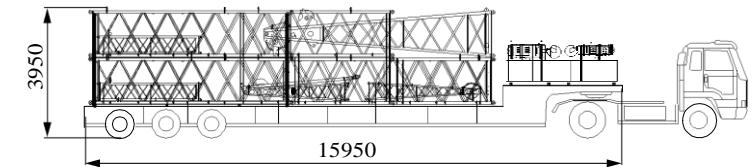


包含部件

- 9m Boom × 2
- 6m Boom × 3
- 3m Boom × 1
- Boom Top × 1
- Boom Extension Jib × 1
- 3.05m Fixed Jib × 3
- Fixed Jib Base and strut x 1
- Fixed Jib Top
- Counter weight Tray × 1
- 配重块 I × 1
- 左配重块 × 1
- 右配重块 × 1
- 60t Hook × 1
- 45t Hook × 1
- 15t Hook × 1
- 9t Ball Hook × 1

运输重量

- 22t



C

**SCC600A-6
SANY CRAWLER CRANE
60 TONS LIFTING CAPACITY**

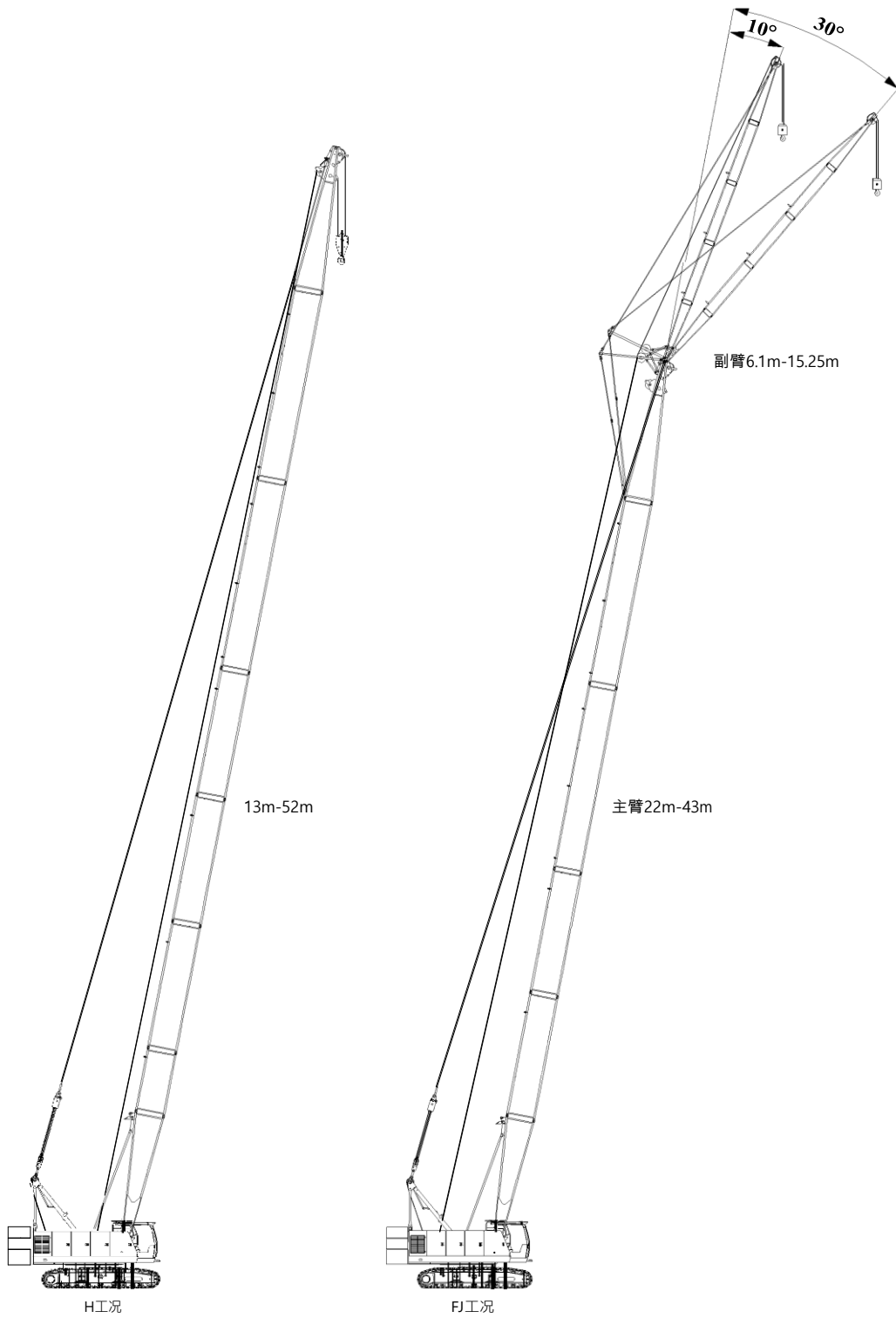
QUALITY CHANGES THE WORLD

工况组合

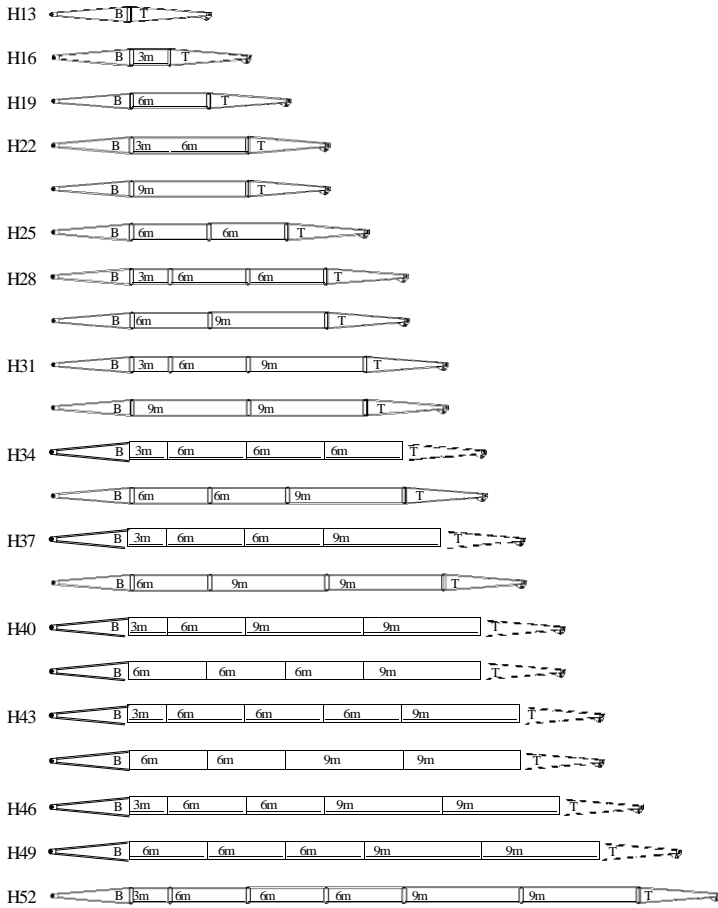
- Page 19 H 工况臂架组合
- Page 22 FJ 工况臂架组合


> 17

工况组合



H工况臂架组合



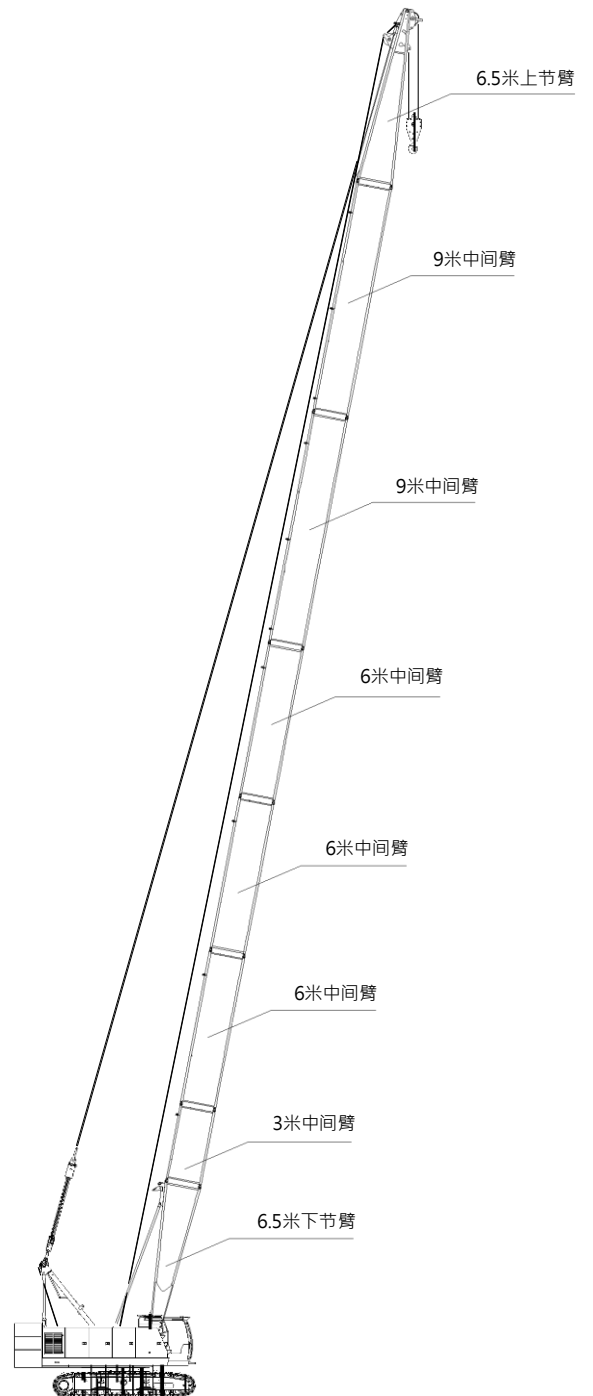
 (6.5m) 主臂下节臂

 (3m) 主臂中间臂

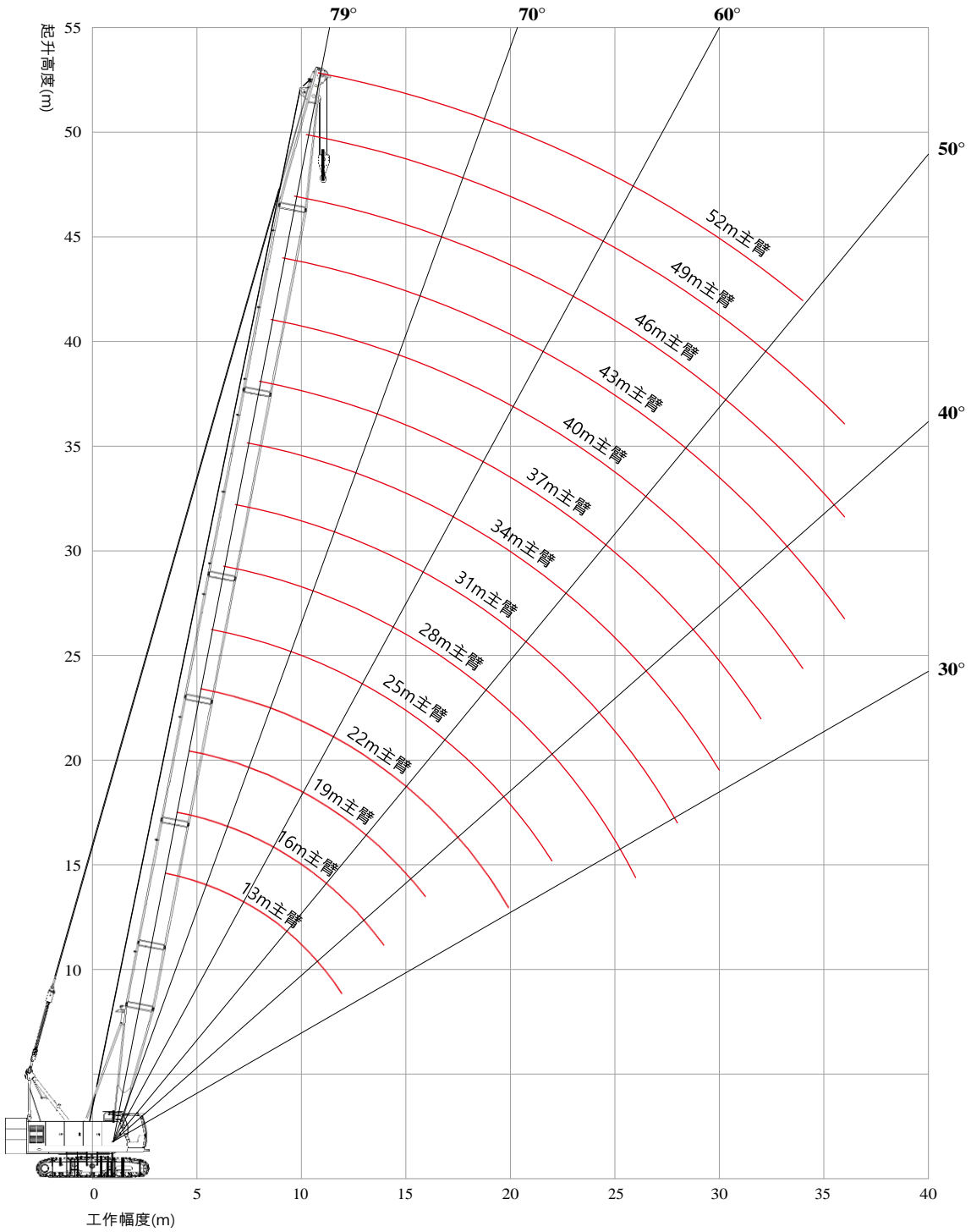
 (6m) 主臂中间臂

 (9m) 主臂中间臂

 (6.5m) 主臂上节臂



主臂H工况作业范围图



单位 :t

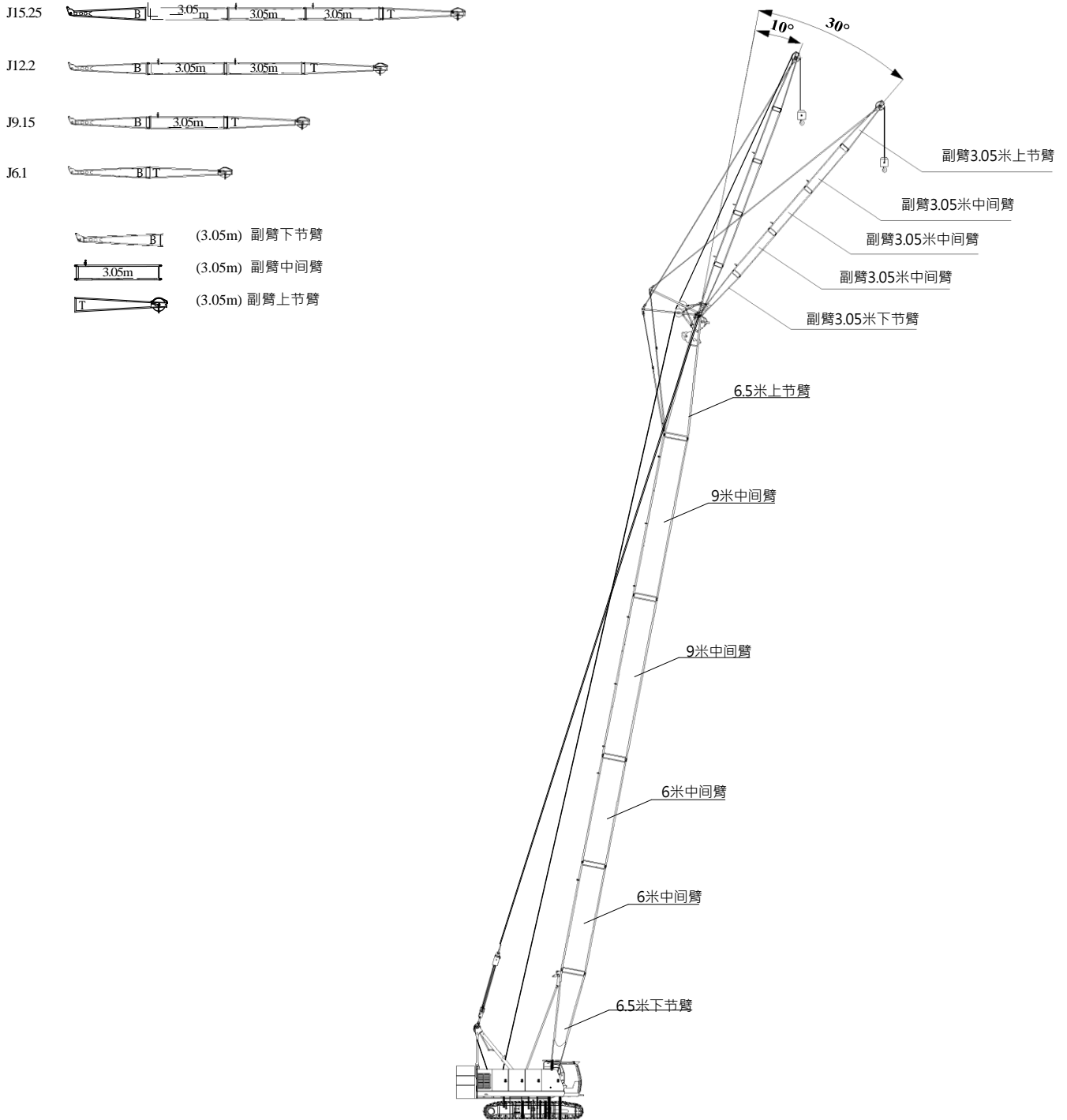
H工况载荷表

Note-Crane rated load:

- ① The rated load shown in the table is the value when the load is lifted slowly and steadily on a level and hard ground, and when the load is not walking.
- ② The rated load shown in the table is suitable for wind speeds below 9.8m/s.
- ③. The rated load includes the mass of the lifting hook, and the actual lifting weight is the value after subtracting the mass of the lifting hook and other spreaders from the rated load in the table.
- ④. The crawler frame must be expanded when the crane is lifting.
- ⑤. All the values in the load table are applicable to 360-degree rotation.

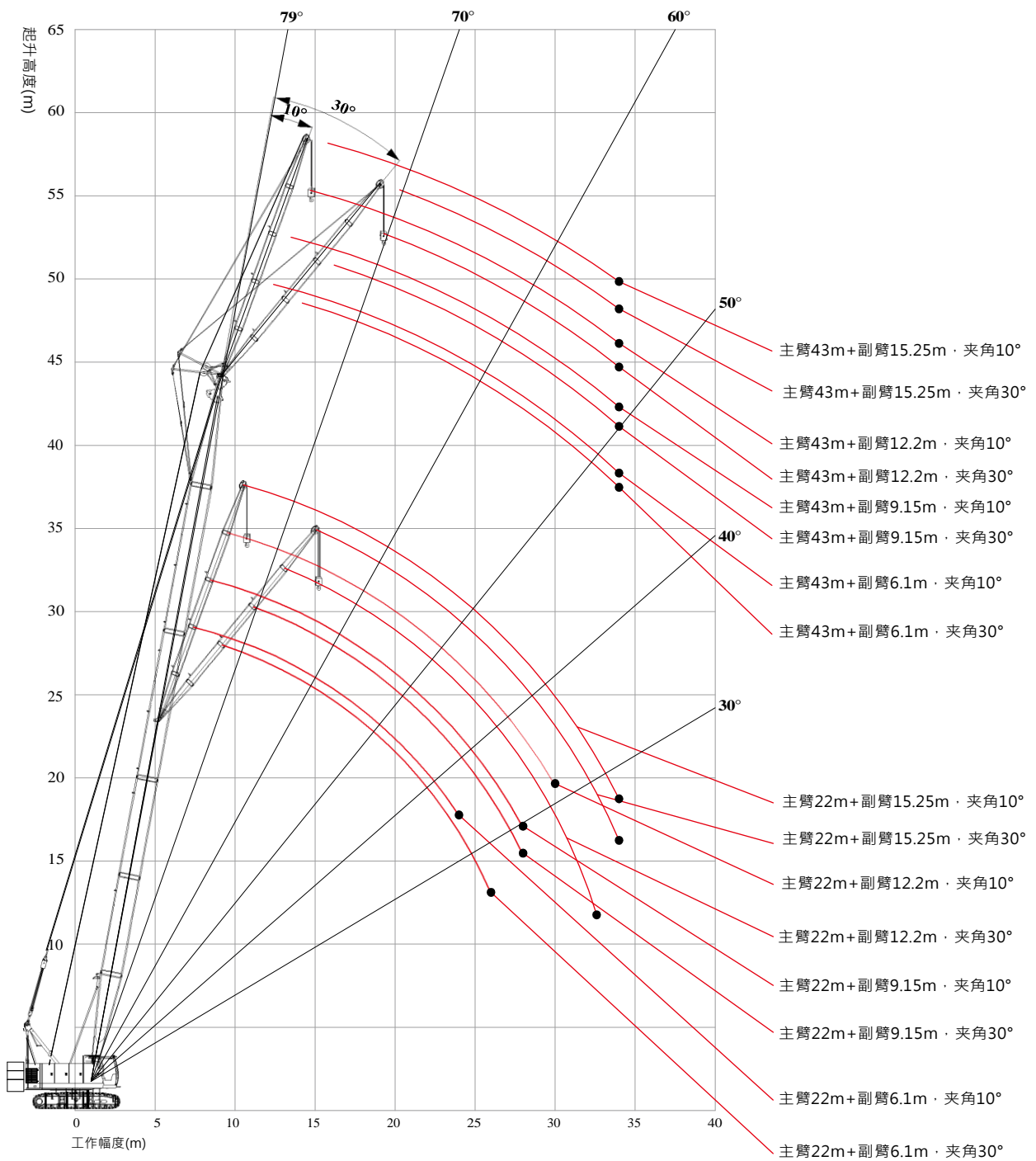
SCC600A-6 Crawler Crane H- Load Table															
Rear Counterweight 16t															
R/BL (m)	13	16	19	22	25	28	31	34	37	40	43	46	49	52	R/BL (m)
3.7	60														3.7
4	50.2	48.2													4
4.5	42.5	41.8	40.2												4.5
5	37.5	36	35	33.2											5
5.5	32.5	31.9	31	30.2	28.2										5.5
6	28.5	28.3	27.5	27.2	26.2	25.2									6
7	22.9	22.7	22.5	22.2	21.7	21.2	20.5								7
8	19.2	19	18.7	18.5	18.5	18	17.5	17.1	16.7						8
9	16.1	15.7	15.7	15.6	15.5	15.4	14.8	14.2	14	13.2	12.8				9
10	14.2	14	13.9	13.9	13.7	13.7	13.5	13.2	12.8	12.5	12.1	11.7	11.3		10
12	11.3	11.2	11.1	11	10.9	10.8	10.8	10.5	10.3	10	9.6	9.3	9.2	9.2	12
14		9.3	9.2	9.1	9	8.8	8.8	8.6	8.5	8.2	8	7.7	7.4	7.4	14
16			7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.9	6.6	6.4	6.2	16
18				6.6	6.5	6.5	6.4	6.2	6.1	5.9	5.8	5.5	5.3	5.1	18
20				5.6	5.6	5.5	5.5	5.3	5.2	4.9	4.9	4.7	4.4	4.3	20
22					4.8	4.8	4.6	4.5	4.3	4.2	4.1	3.9	3.7	3.6	22
24						4.2	4	3.9	3.7	3.6	3.5	3.3	3.2	3	24
26						3.6	3.6	3.4	3.3	3.2	3	2.9	2.7	2.5	26
28							3	3	2.9	2.7	2.5	2.4	2.3	2.1	28
30								2.6	2.5	2.3	2.1	2	1.9	1.7	30
32									2.1	2	1.8	1.7	1.6	1.4	32
34										1.7	1.5	1.4	1.3	1.2	34
36											1.1	1	0.9		36

FJ工况臂架组合



最长主臂+副臂：43m+15.25m

FJ工况作业范围图



FJ工况载荷表

SCC600A-6 履带起重机 - FJ 工况载荷表 1/8									
主臂 22m 固定副臂 6.1m~15.25m 后配重 16t									
副臂长 (m) 副臂夹角 半径 (m)	6.1		9.15		12.2		15.25		副臂长 (m) 副臂夹角 半径 (m)
	10°	30°	10°	30°	10°	30°	10°	30°	
8	7.0	9.8m×6.5	9.2m×7						8
10	7.0	6.3	7.0		10.3m×4.5		11.4m×4.5		10
12	7.0	6.0	7.0	4.8	4.5		4.4		12
14	7.0	5.5	7.0	4.65	4.5	4.0	4.4		14
16	7.0	5.0	6.5	4.45	4.5	3.5	4.0	3.5	16
18	6.0	5.0	5.8	4.25	4.15	3.5	4.0	3.25	18
20	4.9	5.0	5.0	4.05	3.95	3.5	3.85	3.05	20
22	4.3	4.35	4.35	3.85	3.85	3.5	3.6	2.9	22
24	3.9	4.0	4.0	3.5	3.65	3.25	3.35	2.85	24
26		3.85	3.85	3.45	3.55	3.2	3.25	2.75	26
28			3.05	3.05	3.05	3.05	3.05	2.7	28
30					2.75	2.75	2.75	2.65	30
32						2.5	2.5	2.2	32
34						32.6m×2.5	2.3	2.15	34
配重 (t)	16	16	16	16	16	16	16	16	配重 (t)

注：灰色部分由臂架强度决定

SCC600A-6 履带起重机 - FJ 工况载荷表 2/8									
主臂 25m 固定副臂 6.10~15.25m 后配重 16t									
副臂长 (m) 副臂夹角 半径 (m)	6.10		9.15		12.20		15.25		副臂长 (m) 副臂夹角 半径 (m)
	10°	30°	10°	30°	10°	30°	10°	30°	
8	8.6m×7								8
10	7.0	10.4m×6	7.0		10.9m×4.5				10
12	7.0	6.0	7.0	12.5m×4.8	4.5		12.1m×4.5		12
14	7.0	5.5	7.0	4.65	4.5	14.5m×4.0	4.40		14
16	7.0	5.5	6.5	4.45	4.35	3.5	4.25	16.6m×3.5	16
18	6.0	5.0	5.5	4.25	4.15	3.5	4.0	3.25	18
20	4.9	5.0	5.0	4.05	3.95	3.5	3.85	3.05	20
22	4.3	4.35	4.35	3.85	3.85	3.5	3.6	2.9	22
24	3.9	4.0	4.0	3.50	3.65	3.25	3.35	2.85	24
26	3.8	3.85	3.85	3.45	3.55	3.2	3.25	2.75	26
28	3.0	3.05	3.05	3.05	3.05	3.05	3.05	2.7	28
30			2.65	2.75	2.75	2.75	2.75	2.65	30
32				2.4	2.4	2.4	2.4	2.2	32
34						2.25	2.2	2.15	34

注：灰色部分由臂架强度决定

单位 :t

FJ工况载荷表

SCC600A-6 履带起重机 -FJ 工况载荷表 3/8

主臂 28m 固定副臂 6.1m~15.25m 后配重 16t										
副臂长 (m) 副臂夹角 半径 (m)	6.1		9.15		12.2		15.25		副臂长 (m) 副臂夹角 半径 (m)	
	10°	30°	10°	30°	10°	30°	10°	30°		
8	9.3m×7									8
10	7.0	11.1m×6	10.4m×7		11.6m×4.5					10
12	7.0	6.0	7.0	13.1m×5.0	4.5		12.7m×4.0			12
14	7.0	5.5	7.0	4.8	4.5	15.1m×3.8	3.5			14
16	7.0	5.5	6.5	4.55	4.3	3.8	3.5	17.2m×3.2		16
18	6.0	5.0	5.5	4.05	4.05	3.7	3.5	3.2		18
20	5.0	5.0	5.0	3.85	3.95	3.55	3.45	3.05		20
22	4.5	4.5	4.5	3.7	3.85	3.45	3.25	2.95		22
24	4.0	4.0	4.0	3.5	3.65	3.25	3.35	2.85		24
26	3.8	3.85	3.85	3.45	3.55	3.2	3.25	2.75		26
28	3.0	3.05	3.05	3.05	3.05	3.05	3.05	2.7		28
30	2.6	2.65	2.65	2.75	2.75	2.75	2.75	2.65		30
32	31.3m×2.3		2.3	2.3	2.35	2.4	2.35	2.2		32
34			2.05	2.10	2.1	2.15	2.1	2.15		34

注：灰色部分由臂架强度决定

SCC600A-6 履带起重机 -FJ 工况载荷表 4/8

主臂 31m 固定副臂 6.1m~15.25m 后配重 16t										
副臂长 (m) 副臂夹角 半径 (m)	6.10		9.15		12.20		15.25		副臂长 (m) 副臂夹角 半径 (m)	
	10°	30°	10°	30°	10°	30°	10°	30°		
10	7.0	11.7m×6	11.0m×7							10
12	7.0	6.0	7.0		12.2m×4.5		13.3m×4.0			12
14	7.0	5.5	7.0	4.75	4.5		4.0			14
16	7.0	5.5	6.5	4.5	4.5	4.0	4.0			16
18	6.0	5.5	5.5	4.35	4.35	3.85	4.0	3.2		18
20	4.8	4.85	4.85	4.25	4.15	3.7	3.85	3.15		20
22	4.4	4.45	4.45	4.05	3.95	3.5	3.65	3.0		22
24	4.0	4.05	4.05	3.85	3.8	3.35	3.45	2.85		24
26	3.8	3.85	3.85	3.45	3.55	3.2	3.25	2.75		26
28	3.0	3.05	3.05	3.05	3.05	3.05	3.05	2.7		28
30	2.6	2.65	2.65	2.75	2.75	2.75	2.75	2.65		30
32	2.2	2.25	2.25	2.25	2.35	2.35	2.3	2.3		32
34		1.95	1.95	2.0	2.0	2.1	2.05	2.15		34

注：灰色部分由臂架强度决定

FJ工况载荷表

SCC600A-6 履带起重机 - FJ 工况载荷表 5/8

SCC600A-6 履带起重机 - FJ 工况载荷表 5/8									
主臂 34m 固定副臂 6.1m~15.25m 后配重 16t									
副臂长 (m) 副臂夹角 半径 (m)	6.1		9.15		12.2		15.25		副臂长 (m) 副臂夹角 半径 (m)
	10°	30°	10°	30°	10°	30°	10°	30°	
10	10.5m×7.0		11.7m×7.0						10
12	7.0	12.3m×6	7.0		12.8m×4.5		13.9m×3.5		12
14	7.0	6.0	7.0	14.4m×4.8	4.5		3.5		14
16	7.0	5.5	6.5	4.75	4.5	16.4m×3.85	3.5		16
18	5.5	5.5	5.5	4.65	4.35	3.75	3.5	18.4m×3.2	18
20	4.8	4.85	4.85	4.45	4.15	3.55	3.5	3.15	20
22	4.3	4.35	4.35	4.2	3.95	3.45	3.35	3.05	22
24	3.8	3.85	3.85	3.9	3.75	3.35	3.3	2.95	24
26	3.4	3.45	3.45	3.45	3.45	3.15	3.2	2.85	26
28	3.0	3.05	3.05	3.05	3.05	3.05	3.05	2.8	28
30	2.6	2.65	2.65	2.75	2.75	2.75	2.75	2.65	30
32	2.2	2.25	2.25	2.25	2.35	2.35	2.3	2.35	32
34	1.8	1.85	1.85	1.95	1.9	2.0	1.95	2.05	34

注：灰色部分由臂架强度决定

SCC600A-6 履带起重机 - FJ 工况载荷表 6/8

SCC600A-6 履带起重机 - FJ 工况载荷表 6/8									
主臂 37m 固定副臂 6.1m~15.25m 后配重 16t									
副臂长 (m) 副臂夹角 半径 (m)	6.10		9.15		12.20		15.25		副臂长 (m) 副臂夹角 半径 (m)
	10°	30°	10°	30°	10°	30°	10°	30°	
10	11.1m×7								10
12	7.0	12.9m×6	12.3m×7		13.4m×4.5				12
14	7.0	6.0	7.0	15.0m×4.8	4.5		14.6m×4.0		14
16	6.5	5.5	6.5	4.8	4.5	17.0m×3.8	4.0		16
18	5.5	5.5	5.5	4.6	4.5	3.75	3.8	19.1m×3.2	18
20	4.6	4.65	4.65	4.45	4.2	3.65	3.6	3.15	20
22	4.1	4.15	4.15	4.25	4.05	3.45	3.5	3.05	22
24	3.6	3.65	3.65	3.75	3.75	3.35	3.35	2.95	24
26	3.2	3.25	3.25	3.35	3.35	3.25	3.2	2.85	26
28	2.9	2.95	2.95	2.95	2.95	2.95	3.0	2.8	28
30	2.5	2.55	2.55	2.6	2.65	2.65	2.6	2.7	30
32	2.2	2.25	2.25	2.25	2.35	2.35	2.3	2.3	32
34	1.65	1.75	1.75	1.85	1.8	1.9	1.95	2.05	34

注：灰色部分由臂架强度决定

单位 :t

FJ工况载荷表

SCC600A-6 履带起重机 -FJ 工况载荷表 7/8

主臂 40m 固定副臂 6.1m~15.25m 后配重 16t										
副臂长 (m) 副臂夹角 半径 (m)	6.1		9.15		12.2		15.25		副臂长 (m) 副臂夹角 半径 (m)	
	10°	30°	10°	30°	10°	30°	10°	30°		
12	7.0	13.6m×6	12.9m×7							12
14	7.0	6.0	7.0	15.6m×4.8	14.8m×4.5		15.2m×3.5			14
16	6.5	5.5	6.5	4.5	4.5		3.5			16
18	5.5	5.5	5.5	4.5	4.35	4.0	3.45	19.7m×3.2		18
20	4.5	4.55	4.55	4.35	4.2	3.85	3.35	3.2		20
22	4.0	4.05	4.05	4.15	4.05	3.7	3.25	3.1		22
24	3.6	3.65	3.65	3.7	3.55	3.5	3.15	3.0		24
26	3.15	3.2	3.2	3.25	3.15	3.35	3.0	2.9		26
28	2.8	2.85	2.85	2.85	2.85	2.85	2.75	2.8		28
30	2.45	2.5	2.5	2.55	2.45	2.55	2.45	2.55		30
32	2.1	2.15	2.15	2.25	2.15	2.25	2.15	2.3		32
34	1.85	1.9	1.9	1.95	1.85	1.95	1.95	2.05		34

注：灰色部分由臂架强度决定

SCC600A-6 履带起重机 -FJ 工况载荷表 8/8

主臂 43m 固定副臂 6.1m~15.25m 后配重 16t										
副臂长 (m) 副臂夹角 半径 (m)	6.10		9.15		12.20		15.25		副臂长 (m) 副臂夹角 半径 (m)	
	10°	30°	10°	30°	10°	30°	10°	30°		
12	12.4m×7		13.5m×7							12
14	7.0	14.2m×6	7.0		14.7m×4.5		15.8m×3.5			14
16	7.0	5.5	6.5	16.2m×4.8	4.5		16.8m×3.5			16
18	5.5	5.5	5.5	4.8	4.35	19.3m×3.8	3.35			18
20	4.45	4.5	4.5	4.5	4.2	3.8	3.25	20.3m×3.2		20
22	3.95	4.0	4.0	4.2	4.05	3.7	3.15	3.15		22
24	3.5	3.55	3.55	3.65	3.55	3.5	3.05	3.05		24
26	3.1	3.15	3.15	3.15	3.1	3.2	2.85	2.95		26
28	2.7	2.75	2.75	2.75	2.75	2.85	2.75	2.85		28
30	2.4	2.45	2.45	2.35	2.35	2.5	2.4	2.55		30
32	2.0	2.05	2.05	2.1	2.05	2.15	2.05	2.25		32
34	1.7	1.75	1.75	1.85	1.75	1.90	1.75	2.05		34

注：灰色部分由臂架强度决定



浙江三一装备有限公司

中国浙江省湖州市吴兴区戴山路2087号三一产业园
邮编Zip 313028 售后服务热线Service
400 887 8318 咨询投诉电话Consulting
400 887 9318

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