



AL Areedh Ltd.Co.

SCC3200A

Crawler Crane

Quality Changes the World



Maximum Lifting Torque : 2265 t • m

Longest Boom: 84m

Longest Boom + Jib: 84m + 84m

www.sany.com.cn

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Crawler crane series

SCC3200A

P03	The main features	Main technical features Get in Get off Operating equipment Safety device
P10	Technical Parameters	Key performance parameters The basic size of the machine Shipping Size disassembly and assembly instructions
P21	Operating conditions	Combination of working conditions FJh working condition map Working load list

(Main technical characteristics)

1. **安全的控制系统** (Safe control system)

Safe control system Working and installation of two operating modes is convenient and reliable; with torque limiter, grounding than when compacted Monitoring display, electronic level, emergency electrical control, closed-circuit monitoring, lightning protection, automatic walking walk, jib anti-dumping and other functions, safety and monitoring system)

2. **可靠的功能保证** -(Reliable functional guarantee)

The key components adopt internationally renowned brands; structural and institutional design of the safety margin fully controlled System in the cold, high temperature, high altitude and the harsh environment of sand and stable operation.

3. Excellent operational performance Load sensing, limit load adjustment and electro-hydraulic proportional speed control make each action excellent and the operation is more stable.

4. **完美的运输方案** (The perfect transportation solution)

Host transport weight less than 45t, transport width of less than 3m, transport height less than 3.2m, boom Can be packaged transport.

5. **新型的吊装工况设计** (New hoisting condition design)

With 24m main arm + 9m fixed jib, to meet the subway construction shield machine and phase Similar to the lifting of the product; without auxiliary crane, you can complete the stand-alone shield machine work. During suspension, the torque limiter dynamically reflects the size of the main and secondary hook loads.

6. Beautiful and comfortable cab

The new cab, beautiful, comfortable and safe.

7. Convenient maintenance techniques.

Need to adjust the site close to the time is not greater than 10min / person, the daily maintenance of parts near time is not More than 30min / person, the longest maintenance time close to no more than 2h / person; and equipped with GPS remote monitoring system to facilitate user equipment maintenance and management

8. Efficient self-loading and unloading technology.

Host self-loading and unloading, loading and unloading after the self-weight, crawler self-loading and unloading functions, a key from the function

9. Large fuel tank design.

Reliable transmission system Internationally renowned brands of hydraulic components and proprietary feedback control technology, making the hydraulic system running smoothly and reliably.

11. A wide range of adaptability to meet the third phase of the US off-highway emission standards can be widely used in wind power, water conservancy, subway, thermal power, petrochemical, shipbuilding, ports, municipal and other industries.

Engine

- Cummins QSM11-C400 (Euro III emission standard)
- Rated power 298Kw;
- Rated speed is 1800rpm;
- Maximum output torque 1898N • m;
- Maximum output torque at 1400rpm.

控制系统 (Control System)

• The control system is mainly composed of power system, engine control system, main control system, torque limiter system, auxiliary control system and closed circuit monitoring system. Controller, display Data transmission between CAN Bus, GPS, Encoder, Engine and Torque Limiter improves the reliability of the system.

Hydraulic system

- Hydraulic system includes: Hydraulic system, Hydraulic system for travel, Swing hydraulic system, Hydraulic system for variable amplitude, Servo hydraulic system, Anti-dump hydraulic system, Cooling system, Auxiliary hydraulic system System and so on. The main hydraulic components are imported.
- Features:
 - Servo systems use electro-proportional control elements for precise and intelligent control.
 - anti-dump hydraulic system, the use of external leakage control valve, and installed in the cylinder, safe and reliable.
 - Cooling hydraulic system, with cooling power, cooling effect is good.

Lifting mechanism.

- variable hydraulic motor drives the planetary gear reducer to control the main lift, auxiliary lifting lift and landing, as well as good micro-movement performance, fast gear can achieve the main and auxiliary lift fast Power upgrade. The folding line machine plus reel precision, reliability, multi-layer winding chaos rope. Winch reducer imported famous brands, with low noise and high efficiency, long life, easy maintenance and so on.

Main lifting mechanism I	Reel diameter	660mm
	The outermost working layer rope speed	0~140m/min
	Rope diameter	28mm
	The main lifting wire rope length	800m
	Rated single rope tension	17t
Main lifting mechanism II	Reel diameter	660mm
	The outermost working layer rope speed	0~140m/min
	Rope diameter	26mm
	The main upgrade II rope length	450m
	Rated single rope tension	17t

Luffing winch institutions

- Including: main boom luffing mechanism, jib luffing mechanism, super lifting mechanism;
- Each luffing unit adopts the folding reel, driven by a planetary motor with a hydraulic motor, which can realize a variety of compound actions and has good speed performance.

Luffing mechanism	Reel diameter	641mm
	The outermost working layer rope speed	(0~65)×2m/min
	Rope diameter	26mm
	Main luffing wire rope length	560m
Vice luffing mechanism	Reel diameter	641mm
	The outermost working layer rope speed	0~100m/min
	Rope diameter	26mm
Super rise luffing mechanism	Vice amplitude wire rope length	790m
	Reel diameter	641mm
	The outermost working layer rope speed	0~100m/min
	Rope diameter	26mm
	Super-rise wire rope length	840m

Swing mechanism

- The slewing hydraulic system adopts double motors to drive the spur gear driven by the planetary reducer, which can provide 360 ° rotation; the rotation speed is 0 to 1 rpm, the stepless speed regulation can be realized,

Start and stop the impact, smooth operation and a median free-wheeling function. Slewing Bearing: Three-row roller external gear slewing ring

Counterweight system

- Central counterweight: 40t, counterweight: 10t × 4
- After the host weight: 140t / 124t (super-condition)
- Counterweight: 8t × 16, tray and accessories: 12t
- Overweight counterweight: 170t, counterweight: 8t × 20
- Trays and accessories: 10t

(Cab)

- Fully enclosed steel framed structure with toughened glass on the front and sides and top-mounted international brand name structural panels with good light transmission, high strength and high resistance Grinding, low noise (less than 85dB), internal control devices, instrumentation, fire alarm and closed-circuit surveillance system. Fully ergonomic design.
- The driver's cab can be adjusted according to work needs. It can be tilted upward from 0 ° to 25 ° and can also be rotated to the front of the platform for easy transportation.

Control operation

- Torque limiter display, combination meter display, closed-circuit monitor in the operator's direct field of view; torque monitor to monitor the crane's torque conditions and other parameters;

The main instrument display shows the crane operating conditions, the monitoring points of the control parameters and reported

Police; closed-circuit monitor winch running conditions, real-time monitoring platform tail environment; left and right armrests a total of three operating handle, the handle control function by the handle button to switch the selected function and the handle opening are Display will be displayed.

Alarm display

- When an engine or electronic control system alarm occurs, the corresponding alarm information is displayed on the display in quantity and text.

Drive

- The driving system has speed second gear speed; slow speed, can provide enough traction to achieve 100% Belt walking; fast, can provide faster speed, improve the transition efficiency. Walking drive can also be achieved Promise speed.

Walking brake

- The running brake is a normally closed brake system placed inside the gear unit (ie, the brake lever is not operated when the travel handle is operated). Friction plate can be automatically compensated, no adjustment, service life Life long. When the walking handle is manipulated, the brake is released to achieve walking.

Track shoe

- A total of 162 track shoes are mounted on the left and right crawler tracks. The tension of the track shoe can be adjusted by hydraulic jacks and the washer position adjusted to achieve the desired tension.

Base

- High-strength welded frame structure; hydraulic cylinder drive power pin and track frame connection, installation and removal is very convenient and easy.

Walking speed

- variable motor speed can be achieved in two steps, within each file to achieve Promise speed, high speed: 0 ~ 1km / h, low speed: 0 ~ 0.35km / h, smooth operation of the equipment can be realized in both high and low gears.

Lord arm A frame

- The boom is a space truss structure with equal cross-section and variable cross-section at both ends. The steel pipe is welded and the top and the bottom of the boom are reinforced with steel plate, which is more conducive to transmitting load.
- The length of the main boom is between the basic boom (24m) and the maximum length (84m).
- Composition: 12m × 1 lower arm, 10.5m × adjustable arm, 1.5m × 1 connecting arm, 6m × 2 middle arm and 12m × 4 middle arm.

Main transfiguration mast

- The overall structure is a door-shaped bracket, welded with high-strength steel plate, the middle part is reinforced with beams, the overall structure of high strength, good rigidity.

Variable jib

- The boom is a space truss structure with equal cross-section and variable cross-section at both ends. The steel pipe is welded and the end and the root of the boom are reinforced with steel plate, which is more conducive to transmitting load.
 - The basic auxiliary arm length is 24m (upper arm 7.5m, middle arm 6m, lower arm 10.5m), the middle arm 6m × 2, 12m × 4 can be installed on the main arm with the length of 36m ~ 84m.
- The usable jib length is 24m ~ 84m.
- The luffing of the jib depends on the luffing jib front mast and the luffing jib rear mast. The two ends of the mast are of variable cross section, and the middle is a space truss structure of equal cross section.
 - luffing jib rear mast length 15m, luffing jib front mast length 15.5m.

Hook

- There are 4 kinds of hooks to choose from:
 - 16t ball hook
 - 50t hook
 - 100t hook
 - 260t hook
 - 320t hook

Super Mast

- Both ends of the mast boom are of variable cross-section with a space truss structure of equal section in the middle. The steel pipe is welded and the top and the bottom of the boom are reinforced with steel plate, which is more conducive to transmitting load.
- Up mast length is 30m.
- Composition: upper arm 12m, lower arm 12m, middle arm 6m × 1.

Condition

- Main boom condition (H)
- Main boom + Mast up + Super heavy load condition (HDB)
- Hybrid Master Arm (HJ)
- Hybrid main boom + mast + super-counterweight condition (HJDB)
- Main boom + luffing jib condition (LJ)
- Main boom + luffing jib + super mast + super-counterweight condition (LJDB)
- Main boom + fixed jib condition (FJ)
- Hybrid main boom + fixed jib condition (HJFJ)
- Shield Operating Conditions (FJh)
- Note: The above equipment is configured for full configuration, the specific configuration to order contract shall prevail.

Safety Devices

力矩限制器 (Torque limiter)

- The torque limiters independently developed by Trinity are used to form a network with other controllers through CAN bus to realize safe and reliable control. Torque limiter can automatically detect the crane Lifting the weight and the angle of the boom, and can display its rated load and actual load, working radius, hook allowable height. Torque limiter system consists of large-screen color display, the host, the angle sensor, tension sensors and pressure sensors and other components.

主、副吊钩防过卷装置 (Main, Vice hook anti-roll device)

- Used to prevent the hook from lifting. When lifting the hook to a certain height, the limit switch action, the control system automatically cut off lifting hook action, while the monitor and buzzer alarm, At this moment, only hoisting hook should be lowered to prevent the hoisting hook from overturning.

主、副吊钩防过放装置 (Lord, Vice hook overdraft protection)

- Used to prevent the winch from over-releasing. When the wire rope to the last three laps, the limit switch action, the control system automatically cut off the rope action, while the monitor and buzzer alarm, this time Only carry-out rope operation, thus preventing the crane hook over the phenomenon appears.

Installation mode / working mode switch

- Some safety devices do not work in installation mode (eg, lower jib limit, torque limiter jib angle limit, overload, etc.) to facilitate crane installation.
- In work mode, all safety devices work.

Boom limit device

- When the elevation angle of the main boom is too large or the elevation angle of the boom is too large, the corresponding limit switch will operate. The control system will automatically cut off the boom boom and alarm the monitor and buzzer. At this time corresponding change The winch lifting operation does not work, but the lowering operation can be realized.
- When the boom angle is too small or the jib angle is too small, the control system will automatically cut off the boom movement and the monitor and buzzer will alarm. At this point the corresponding boom down control will be limited, this protection is automatically controlled by the torque limiter.

Boom anti-dumping device

- The main boom and the overstacked mast each have a pair of anti-dumping cylinders, which can switch the pressure rationally according to the boom angle and boom pull information to prevent the boom tilting backward.
- Auxiliary fixed mast has a pair of anti-dumping cylinders. The jib mast has a pair of oil and gas cylinders to prevent the mast from tilting and tensioning the jib luffing ropes.

Lifting mechanism brakes

- Each lifting brake adopts spring loaded normally closed type disc brake, which has large braking force, maintenance-free, safe and reliable operation and long service life.

Closed circuit monitoring system

- It is possible to monitor the hoisting condition of the hoisting ropes, the state of the counterweight and the surroundings of the equipment.

Fault self-diagnosis system

- Easily troubleshoot problems based on the error codes provided on the display.

Black box

- The operation of the driver and the operating data of the equipment can be recorded. And according to the actual operation of the equipment, the remaining use of equipment and life analysis.

Beacon lights

- Installed on top of the boom, warning at high altitudes at night.

Anemometer

- Installed on top of boom to monitor wind speed in real time and display on integrated meter.

Electronic level

- The tilt angle of the crane is displayed on the monitor in real time. When the limit is exceeded, the alarm is warranted to ensure the safety of the crane.

Lightning protection system

- The entire lightning protection system consists of high surge-proof electrical components on the boom, shielded wires, surge protectors, and ground lightning protection. Can effectively prevent lightning strike when working Personnel injuries and damage to electrical system components.

Swing and walking alert

- During the slewing and walking, the alarm horn rings at a certain frequency to warn the people around the crane.

Manipulation lift

- Pull the function lock lever on the right side of the driver's cab seat or the operator off the seat. All joysticks do not function and avoid erroneous operation due to body collision when getting on or off the vehicle.

Engine power limit load adjustment and stall protection

- The controller monitors engine power to prevent engine stalls and stalls.

Engine condition monitoring

- It can display engine coolant temperature, fuel quantity, accumulated working time, oil pressure, engine speed, battery charge status, voltage and so on.

Remote monitoring system

- Run the data monitoring and analyze the running data, so as to diagnose the fault remotely and solve the problem in time.

Emergency stop button

- In an emergency such as a sudden loss of control of the crane, press the emergency stop button, and emergency braking and engine stoppage are performed during the lifting, luffing, turning and walking operations.

SCC3200A

SANY CRAWLER CRANE

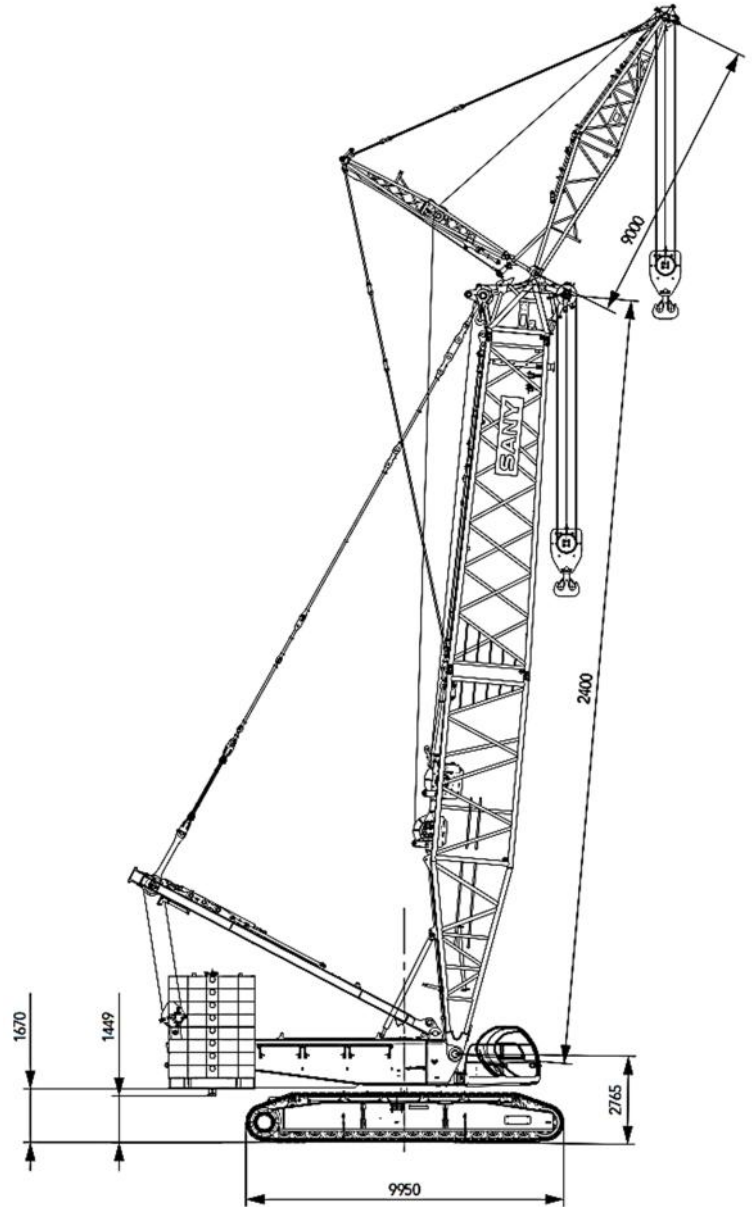
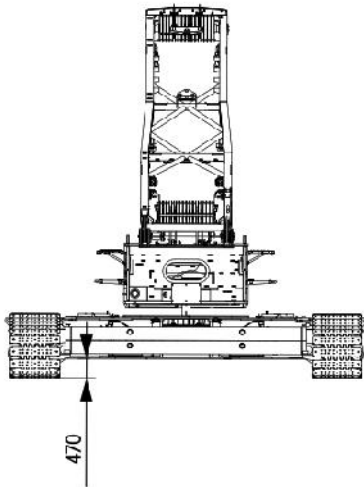
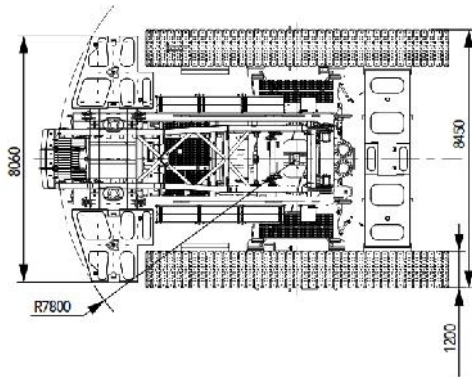
320 TONS LIFTING CAPACITY

The main performance parameters

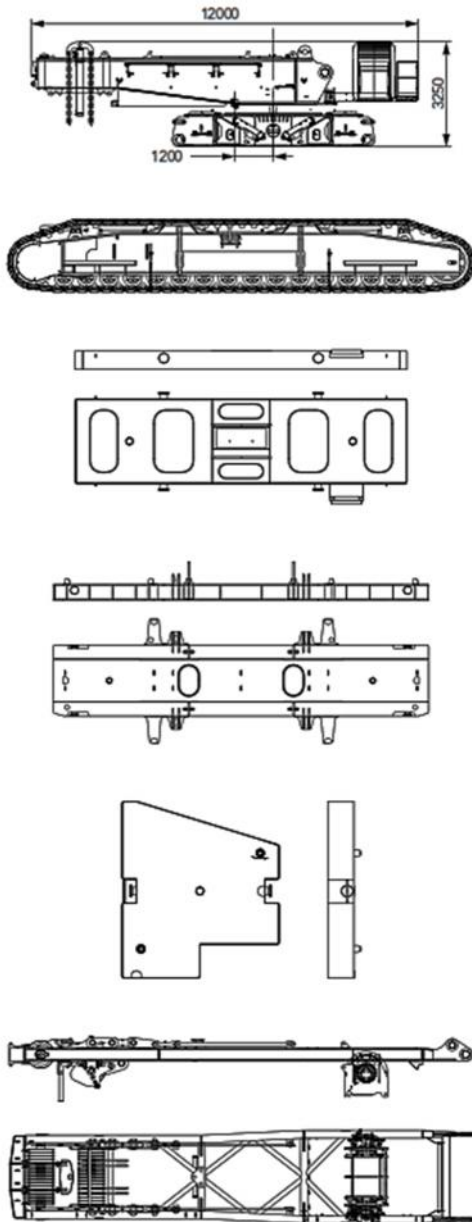
SCC3200A 履带起重机主要性能参数 Crawler crane main performance parameters		
Performance	Unit	Parameter (m)
Maximum rated lifting capacity	t	320
Max rated lifting capacity (with super-rise)	t	350
Maximum rated lifting torque	t•m	2265
Main arm length	m	24~84
Main arm length (with super-rise)	m	36~84
Mix main boom length	m	48~96
Mixed main boom length (with super-rise)	m	78~126
Luffing jib length	m	24~72
Luffing jib length (with super-rise)	m	24~84
Longest arm combination (LJDB condition)	m	84+84
Heavy Arm + Fixed Jib (Longest)	m	84+9
Mixed main boom + fixed jib (longest)	m	90+9
Main boom angle	°	30~85
Jib amplitude angle	°	25~75
The main rope single rope maximum rope speed	m/min	0~140
Deputy volume single rope maximum rope speed	m/min	0~140
Main amplitude single rope maximum rope speed	m/min	(0~65)×2
Sub-amplitude single rope maximum rope speed	m/min	0~100
Super up single rope rope maximum rope speed	m/min	0~100
Swing speed (no load)	r/min	0~1
Walking speed	km/h	0~1 (高速)/0~0.35(低速)
Climbing ability (with basic arm, cab facing upwards)	%	15
Engine rated output power	kW/rpm	298/1800
Crawler average ground pressure (basic arm, 130t host weight, 40t central pressure, with 320t hook)	MPa	0.167
After the host weight	t	140 (不带超起)/124(带超起)
Overweight counterweight	t	200
Central counterweight	t	40
Maximum single piece transport size (L × W × H)	mm	12000 × 3000 × 3250

The largest single piece of transport weight	t	44.9
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Machine basic size



Machine basic size



主机 ×1

长(L)	12.00m
宽(B)	3.00m
高(H)	3.25m
重量	44.9t

履带架 ×2

长(L)	9.95m
宽(B)	1.70m
高(H)	1.55m
重量	27.5t

下中央配重 ×2

长(L)	5.80m
宽(B)	1.72m
高(H)	0.33m
重量	10.0t

后配重托盘 ×1

长(L)	8.06m
宽(B)	2.68m
高(H)	0.84m
重量	12.0t

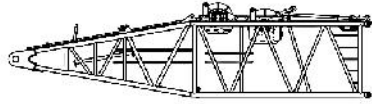
8T配重 ×16

长(L)	2.68m
宽(B)	2.38m
高(H)	0.49m
重量	8.0t

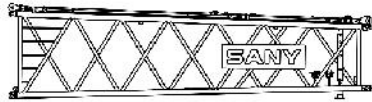
主变幅桅杆 ×1

长(L)	10.91m
宽(B)	2.19m
高(H)	1.38m
重量	11.0t

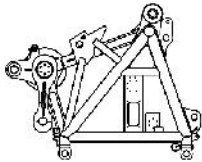
Shipping size



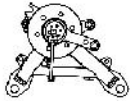
主臂下节臂 ×1	
长(L)	12.33m
宽(B)	3.00m
高(H)	3.13m
重量	17.6t



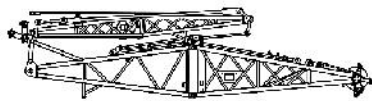
变径节臂 ×1	
长(L)	10.68m
宽(B)	2.96m
高(H)	2.79m
重量	5.3t



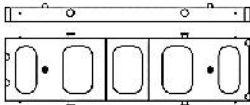
主臂臂头 ×1	
长(L)	2.90m
宽(B)	2.59m
高(H)	2.32m
重量	3.7t



滑轮组 ×1	
长(L)	1.83m
宽(B)	1.44m
高(H)	1.10m
重量	1.7t

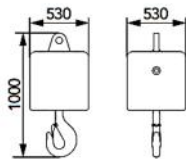
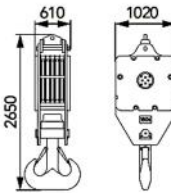
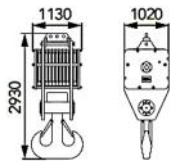
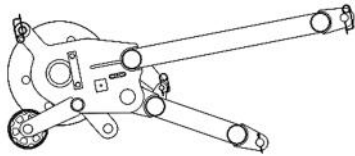


固定副臂基本臂 ×1	
长(L)	10.06m
宽(B)	2.50m
高(H)	2.46m
重量	4.1t



上中央配重 ×2	
长(L)	5.80m
宽(B)	1.96m
高(H)	0.37m
重量	10.0t

Shipping size



注：① 此零部件运输尺寸为示意图，未按比例绘制，所标尺寸为设计值，不含包装。
② 重量为设计值，由于制造误差，可能稍有不同。

主臂加长臂 ×1	
长(L)	2.15m
宽(B)	1.08m
高(H)	0.88m
重量	0.4t

260t吊钩 ×1	
长(L)	2.93m
宽(B)	1.02m
高(H)	1.13m
重量	5.2t

160t吊钩 ×1	
长(L)	2.65m
宽(B)	1.02m
高(H)	0.61m
重量	3.0t

16t吊钩 ×1	
长(L)	0.53m
宽(B)	0.53m
高(H)	1.10m
重量	0.9t

Load Charts

Configuration (H)

SCC3200A Main Boom Operating Condition (H) Load Chart (Unit: t)														
Crane max Main Boom	24 ~ 84m													
Crane Counter Weight	140 ton													
Crane Center Ballast	40 ton													
主臂24~84m,后配重140t, 中央配重40t														
Main Boom Length/m	24	30	36	42	48	54	60	66	72	78	84	Main Boom Length/m		
Load Radius/m												Load Radius/m		
6	320.0	288.0										6		
7	315.0	288.0	288.0	270.2								7		
8	282.5	263.2	246.4	231.7	218.2	206.1						8		
9	251.7	226.6	213.8	202.3	191.7	182.1	173.1	165.0				9		
10	219.7	198.6	188.5	179.3	170.6	162.7	155.3	148.4	141.9	135.9		10		
11	190.5	176.4	168.1	160.7	153.5	146.8	140.4	134.7	129.1	123.9	116.5	11		
12	165.9	158.5	151.6	145.3	139.1	133.5	128.0	123.0	118.1	113.7	109.2	12		
14	131.2	125.8	126.0	121.4	116.8	112.5	108.2	104.4	100.5	96.9	93.3	14		
16	107.7	103.3	103.5	103.6	100.1	96.7	93.2	90.2	86.9	84.0	81.0	16		
18	90.8	87.2	87.3	87.4	87.1	84.3	81.4	78.8	76.1	73.6	71.0	18		
20	78.0	75.0	75.1	75.2	74.9	74.4	71.8	69.8	67.3	65.2	62.9	20		
22	67.9	65.4	65.5	65.6	65.3	65.2	64.0	62.2	60.0	58.1	56.1	22		
24		57.8	57.9	57.9	57.6	57.4	57.0	55.8	53.8	52.2	50.3	24		
26		51.4	51.5	51.6	51.3	51.1	50.7	50.4	48.6	47.1	45.3	26		
28		46.1	46.2	46.3	46.0	45.8	45.4	45.2	44.0	42.7	41.0	28		
30			41.7	41.9	41.5	41.3	40.9	40.7	40.1	38.8	37.2	30		
32			37.8	38.0	37.6	37.4	37.0	36.8	36.3	35.4	33.8	32		
34				34.6	34.3	34.1	33.7	33.4	32.9	32.3	30.9	34		
36				31.6	31.3	31.1	30.7	30.5	30.0	29.6	28.3	36		
38				29.0	28.7	28.5	28.1	27.9	27.4	27.0	25.8	38		
40					26.4	26.2	25.7	25.6	25.0	24.7	23.7	40		
44						22.2	21.8	21.6	21.1	20.7	19.9	44		
48							19.0	18.5	18.4	17.8	17.5	16.7	48	
52								15.8	15.6	15.0	14.8	14.0	52	
56									13.2	12.8	12.4	11.6	56	
60										10.7	10.4	9.5	60	
64											9.0	8.7	7.7	64
68												7.2	6.1	68
72													4.7	72
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting													

Configuration (HD / HDB)

SCC3200A Main Boom with Overload Condition (HDB) Load Table (Unit: t)										
Main Boom	36 ~ 84m		Crane Counter weight						140 ton	
Super Lift Mast	30.0 m		Crane Super Lift C.Weight						200 ton	
Super Lift Mast Radius	15 m		Crane Center Ballast						40 ton	
主臂36~84m,超起桅杆30m,超起半径15m,超起配重200t,后配重140t,中央配重40t										
Main Boom Length /m	36	42	48	54	60	66	72	78	84	Main Boom Length /m
Load radius / m										Load radius / m
7	320.0									7
8	320.0	320.0								8
9	320.0	320.0	320.0	274.3						9
10	320.0	320.0	320.0	275.6	257.7	226.7				10
11	310.0	310.0	310.0	274.9	257.9	226.9	201.2			11
12	300.0	300.0	300.0	276.4	258.0	227.0	201.2	165.9	143.2	12
14	288.0	288.0	288.0	277.7	259.6	227.9	201.4	166.4	143.6	14
16	262.5	262.1	262.0	261.9	260.5	230.0	201.3	166.1	143.1	16
18	232.7	232.4	232.2	232.1	231.7	230.3	201.5	166.3	143.2	18
20	208.7	208.4	208.2	208.1	207.6	207.5	201.5	166.1	143.1	20
22	188.9	188.6	188.4	188.3	187.8	187.7	187.1	166.1	142.8	22
24	172.3	172.0	171.8	171.7	171.3	171.1	170.5	165.8	142.6	24
26	158.1	158.0	157.7	157.6	157.1	157.0	156.4	156.1	143.0	26
28	146.0	145.8	145.5	145.4	145.0	144.8	144.3	143.9	142.7	28
30	135.5	135.3	135.0	134.9	134.5	134.3	133.7	133.4	132.8	30
32	126.1	126.0	125.7	125.6	125.2	125.0	124.4	124.1	123.5	32
34		117.7	117.5	117.5	117.0	116.8	116.2	115.9	115.3	34
36		110.4	110.2	110.1	109.6	109.5	108.9	108.6	107.9	36
38		103.9	103.6	103.5	103.1	103.0	102.3	102.1	101.4	38
40			97.7	97.6	97.2	97.0	96.5	96.1	95.5	40
44				87.3	86.9	86.8	86.2	85.9	85.2	44
48				78.6	78.2	78.0	77.6	77.3	76.7	48
52					70.7	70.6	70.1	69.8	69.2	52
56						64.2	63.6	63.4	62.8	56
60							58.1	57.9	57.2	60
64							53.2	52.9	52.4	64
68								48.6	48.1	68
72									44.3	72
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight.									
	2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.									

Configuration (LJ - 54m+72m - 60m+66m – 66m+42m)

SCC3200A Luffing jib condition(LJ) Load Chart (unit:t)				
Main Boom Length	36.0 m	Crane Counter Weight		140.0 ton
Main Boom Angle	85°	Crane Center Ballest		40.0 ton
Jib Length / m	24 ~ 72m			
主臂36m, 副臂24~72m, 主臂角度85°, 后配重140t, 中央配重40t				
Jib length / m	24	48	72	Jib length / m
Load radius / m				Load radius / m
14	130.6			14
16	114.4			16
18	101.7			18
20	91.4	72.3		20
22	83.0	65.7		22
24	74.3	60.2		24
26	67.0	55.4	48.8	26
28		51.2	45.1	28
30		47.6	41.9	30
32		44.4	38.9	32
34		41.5	36.3	34
36		38.5	33.9	36
38		35.9	31.8	38
40		33.5	29.9	40
44		29.4	26.5	44
48		26.0	23.6	48
52			21.2	52
56			19.0	56
60			17.1	60
64			15.5	64
68			13.9	68
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting			

Configuration (LJ - 54m+72m - 60m+66m – 66m+42m)

SCC3200A Luffing jib condition (LJ) Load Chart (unit : t)				
Main Boom Length	48 m	Crane Counter Weight		140.0 ton
Jib Length	24~72m	Crane Center Ballest		40.0 ton
Main Boom angle	85 °			
主臂48m, 副臂24~72m, 主臂角度85°, 后配重140t, 中央配重40t				
Jib length / m	24	48	72	Jib length / m
Load Radius/m				Load Radius/m
14	107.9			14
16	95.1			16
18	84.9			18
20	76.6	67.2		20
22	69.8	61.3		22
24	64.0	56.2		24
26	59.0	51.8	42.6	26
28	54.4	48.0	41.9	28
30		44.6	39.0	30
32		41.7	36.3	32
34		39.0	33.8	34
36		36.5	31.6	36
38		34.5	29.6	38
40		32.5	27.8	40
44		29.1	24.7	44
48		25.7	22.0	48
52			19.6	52
56			17.6	56
60			15.8	60
64			14.3	64
68			12.9	68
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.			

Configuration (LJ - 54m+72m - 60m+66m – 66m+42m)

SCC3200A luffing jib condition (LJ) Load Chart (unit: t)				
The Main Boom Length	60 m	Crane Counter Weight		140 ton
Max Jib length	24~66m	Crane Center Ballast		40 ton
Main boom angle	85 °			
主臂60m, 副臂24~66m, 主臂角度85°, 后配重140t, 中央配重40t				
Lib Length/m	24	48	66	Lib Length/m
Load Radius/m				Load Radius/m
16	87.6			16
18	78.6			18
20	71.1			20
22	64.9	56.8		22
24	59.6	52.2		24
26	55.1	48.2	40.4	26
28	51.1	44.6	39.2	28
30		41.6	37.4	30
32		38.8	34.9	32
34		36.4	32.6	34
36		34.1	30.5	36
38		32.1	28.6	38
40		30.3	26.9	40
44		27.1	23.9	44
48		24.4	21.3	48
52			19.2	52
56			17.2	56
60			15.6	60
64			14.0	64
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.			

Configuration (LJD/LJDB - 84m+84m)

SCC3200A Luffing Jib Overload Condition (LJDB) Load Table (Unit: t)				
Main Boom	36.0 m	SL-radius		15 m
Max Jib	24 ~ 84m	Crane Counter Weight		140 ton
The main Boom angle	85 °	(SL) Counter weight		200 ton
Super Lift mast	30m	Crane Center Ballast		40 ton
主臂36m,主臂角度85°,副臂24~84m,超起桅杆30m,超起半径15m,超起配重200t 后配重140t,中央配重40t				
Jib length / m	24	54	84	Jib length / m
Load radius / m				Load radius / m
14	197.8			14
16	185.8			16
18	171.4			18
20	158.1			20
22	147.6	85.0		22
24	137.1	82.5		24
26	121.2	79.5		26
28		77.0	34.7	28
30		74.0	34.2	30
32		70.5	33.7	32
34		67.5	33.2	34
36		64.1	32.7	36
38		60.7	31.7	38
40		57.8	29.3	40
44		51.8	25.3	44
48		45.8	22.1	48
52		40.6	18.9	52
56			16.1	56
60			13.9	60
64			11.7	64
68			9.7	68
72			7.9	72
76			6.5	76
80			5.1	80
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting			

Configuration (LJD/LJDB - 84m+84m)

SCC3200A Luffing Jib Overload Condition (LJDB) Load Table (Unit: t)				
Main Boom	60.0 m	SL-radius		15 m
auxiliary Boom (Jib)	24 ~ 84m	Crane Counter Weight		140 ton
The main Boom angle	85 °	Super Lift Counter weight		200 ton
Super Lift mast	30.0 m	Crane Center Ballast		40 ton
主臂60m,主臂角度85°,副臂24~84m,超起桅杆30m,超起半径15m,超起配重200t,后配重140t,中央配重40t				
Jib length / m	24	54	84	Jib length / m
Load radius / m				Load radius / m
16	128.0			16
18	119.7			18
20	111.2			20
22	102.2			22
24	93.4	58.8		24
26	85.3	56.9		26
28	77.9	54.4		28
30		51.9	27.1	30
32		49.3	26.8	32
34		47.1	26.6	34
36		44.5	26.4	36
38		41.9	26.1	38
40		39.4	25.8	40
44		35.1	24.2	44
48		30.9	22.4	48
52		27.1	20.0	52
56		23.9	17.1	56
60			14.8	60
64			12.5	64
68			10.5	68
72			8.8	72
76			7.2	76
80			5.8	80
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.			

Configuration (LJD/LJDB - 84m+84m)

SCC3200A Luffing Jib Overload Condition (LJB) Load Table (Unit: t)				
Main Boom	84m	SL Mast radius		15 m
Auxiliary Boom (Jib)	24 ~ 84m	Crane counter weight		140 ton
Main Boom angle	85 °	SL Counter weight		200 ton
Super Lift mast	30 m	the central counter weight		40 ton
主臂84m,主臂角度85°,副臂24~84m,超起桅杆30m,超起半径15m,超起配重200t,后配重140t,中央配重40t				
Jib length / m	24	54	84	Jib length / m
Load radius / m				Load radius / m
18	74.4			18
20	70.7			20
22	66.7			22
24	62.4			24
26	58.2	37.8		26
28	54.4	36.4		28
30	50.5	34.9		30
32		33.4		32
34		31.8	17.0	34
36		30.2	16.8	36
38		28.7	16.7	38
40		27.1	16.5	40
44		24.1	16.0	44
48		21.4	15.0	48
52		19.0	13.9	52
56		17.0	12.6	56
60			11.5	60
64			10.4	64
68			9.2	68
72			8.3	72
76			7.3	76
80			6.4	80
84			5.0	84
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting			

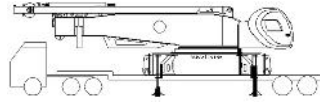
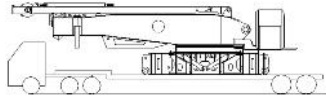
Configuration (HJD / HJDB - 78m-126m)

SCC3200A Hybrid Master Arm With Overload Condition (HJDB) Load Table (Unit: t)												
Main Boom length	72 ~ 126m										Crane Counter weight	140 ton
Super Lift Must (L)	30 m										Crane Super Lift Counter Weight	200 ton
Super Lift Must Radius	15 m										Crane Center Ballast	40 ton
主臂长度72~126m 超起桅杆30m 超起半径15m 超起配重200t 后配重140t 中央配重40t.												
Main Boom length (m)	72	78	84	90	96	102	108	114	120	126	Main Boom length (m)	
Radius/m											Radius/m	
11	190.8										11	
12	190.7	158.1	136.7								12	
14	190.2	157.6	136.2	114.4	100.5	86.5					14	
16	190.7	157.8	136.3	114.4	100.6	86.7	75.4	65.9	57.7		16	
18	190.8	157.8	136.4	114.0	100.5	86.4	75.5	66.0	57.7	50.5	18	
20	190.7	157.8	136.3	113.8	100.3	86.4	75.6	66.0	57.4	50.4	20	
22	179.4	157.5	136.0	113.6	100.0	86.4	75.6	66.0	57.4	50.2	22	
24	163.7	157.1	135.2	113.4	99.8	86.8	75.6	65.9	57.3	49.8	24	
26	150.5	150.1	134.9	113.6	99.5	86.7	75.5	65.8	57.1	49.4	26	
28	139.0	138.7	135.2	113.2	99.0	86.6	75.4	65.6	56.7	49.0	28	
30	129.0	128.7	128.1	112.8	99.1	85.4	75.3	65.1	56.3	48.7	30	
32	120.3	120.0	119.3	109.7	98.7	82.4	75.1	64.6	55.8	48.3	32	
34	112.5	112.3	111.6	105.5	96.0	79.8	75.0	64.1	55.4	47.9	34	
36	105.7	105.3	104.7	101.2	92.2	76.8	74.4	63.6	55.0	47.5	36	
38	99.5	99.2	98.5	97.7	88.2	73.9	73.8	63.1	54.6	47.2	38	
40	93.9	93.6	93.0	92.6	85.1	71.4	73.3	62.6	54.1	46.8	40	
44	84.2	83.9	83.3	82.9	78.0	67.0	72.0	61.5	53.2	46.0	44	
48	76.1	75.8	75.2	74.8	72.1	63.0	70.8	60.5	52.3	45.1	48	
52	69.0	68.8	68.2	67.8	66.3	59.7	66.6	59.4	51.3	44.4	52	
56	63.0	62.7	62.1	61.8	60.8	57.2	60.6	58.3	50.4	42.9	56	
60	57.7	57.5	57.0	56.5	55.3	54.7	55.4	55.2	49.5	41.2	60	
64	53.1	52.9	52.4	51.9	50.9	51.0	50.8	50.6	48.7	39.5	64	
68		48.8	48.3	47.9	46.2	47.0	46.8	46.6	46.1	38.2	68	
72			44.6	44.3	41.7	43.4	43.3	43.0	42.5	36.8	72	
76				41.1	37.7	40.2	40.0	39.8	39.3	35.7	76	
80				37.8	33.6	37.3	37.1	36.9	36.4	34.6	80	
84					29.4	34.7	34.5	34.3	33.7	33.4	84	
88						32.2	32.0	31.9	31.4	31.1	88	
92							29.9	29.7	29.2	28.9	92	
96								27.6	27.2	26.9	96	
100								25.8	25.3	25.1	100	
104									23.6	23.4	104	
108										21.8	108	
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting											

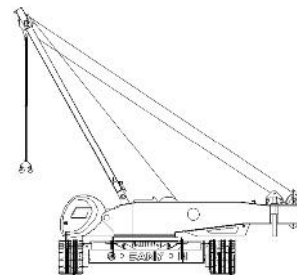
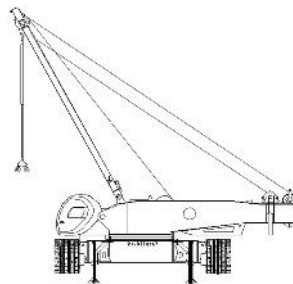
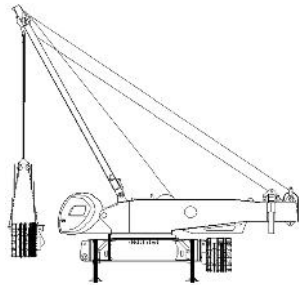
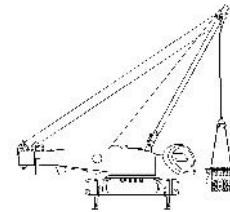
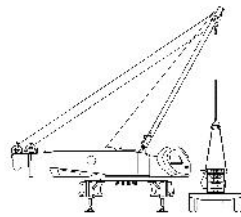
Configuration (FJ 24m-84m+9_42m)

SCC3200A 固定副臂工况 (FJ) 载荷表 (单位 : t)				
Main Boom Length (Max)	24 ~ 84m	Crane Counter Weight		140 ton
Jib Length	9 m	Centra Ballast		40 ton
Jib Angle	20°			
主臂24~84m, 副臂9m, 主副臂夹角20°, 后配重140t, 中央配重40t				
Main arm length (m)	24	54	84	Main arm length (m)
Jib length / m	9	9	9	Jib length / m
Load radius / m				Load radius / m
9	146.0			9
10	144.0			10
11	140.0	140.0		11
12	135.0	128.6		12
14	123.0	109.0	87.5	14
16	118.2	94.1	78.9	16
18	99.9	82.3	69.4	18
20	86.1	72.7	61.5	20
22	75.3	64.9	54.8	22
24	66.6	58.3	49.1	24
26	59.4	52.0	44.3	26
28	53.4	46.6	40.0	28
30	48.2	41.9	36.3	30
32		38.0	32.9	32
34		34.6	30.0	34
36		31.6	27.4	36
38		28.9	24.9	38
40		26.6	22.8	40
44		22.4	18.9	44
48		19.1	15.8	48
52		16.1	13.0	52
56		13.5	10.6	56
60			8.6	60
64			6.7	64
68			5.0	68
72			3.5	72
Comments	1, the actual weight must be subtracted from the rated lifting capacity of the table hook, spreader and wire rope wrapped around the hook and arm head weight. 2, the table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.			

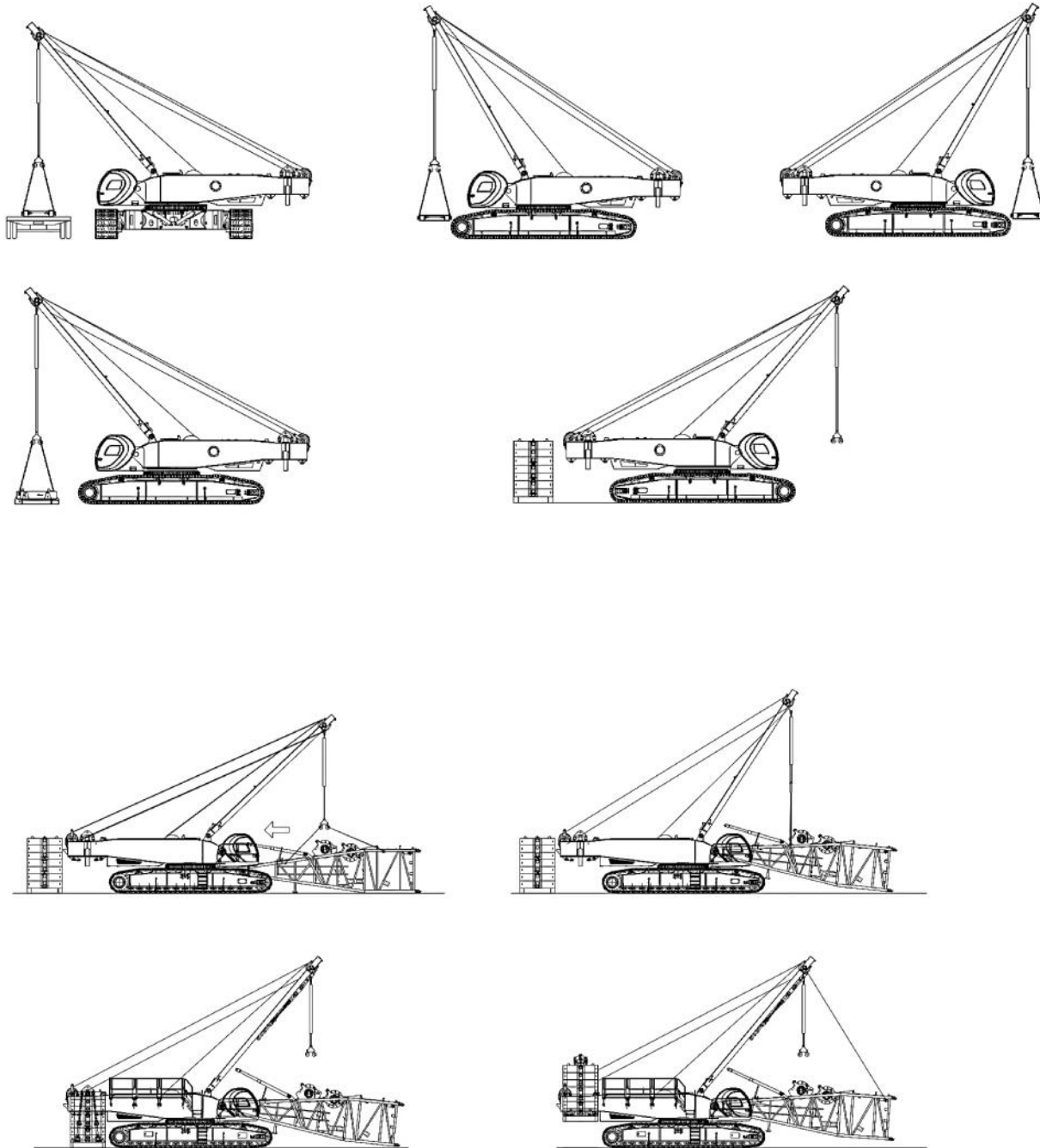
1. Host self loading and unloading



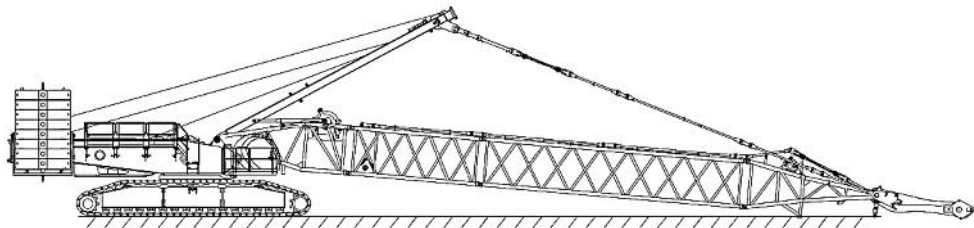
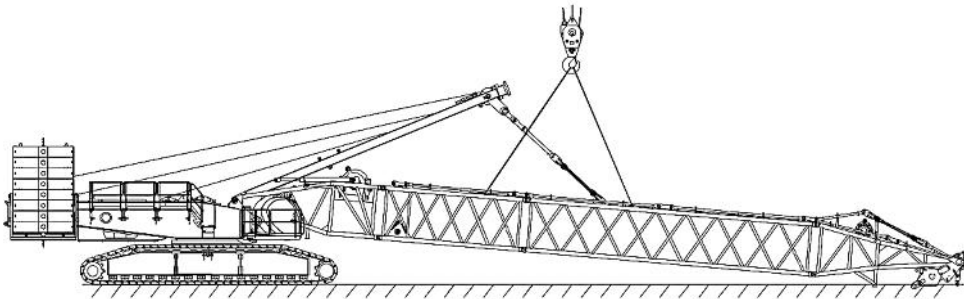
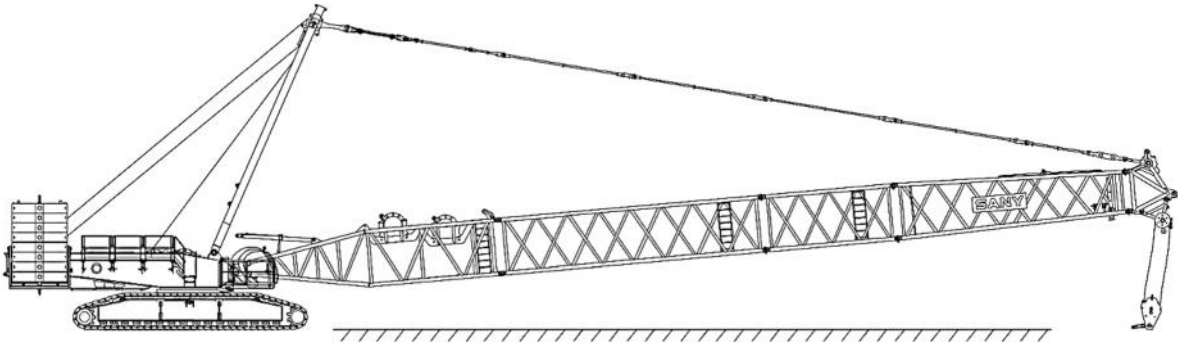
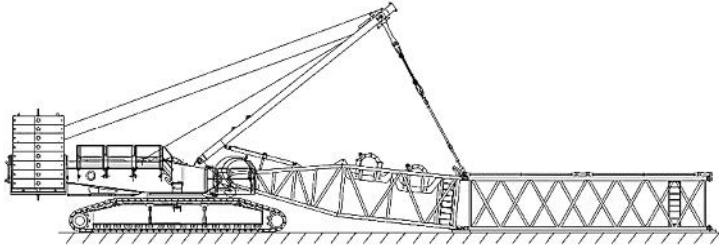
2. Track self-loading and unloading



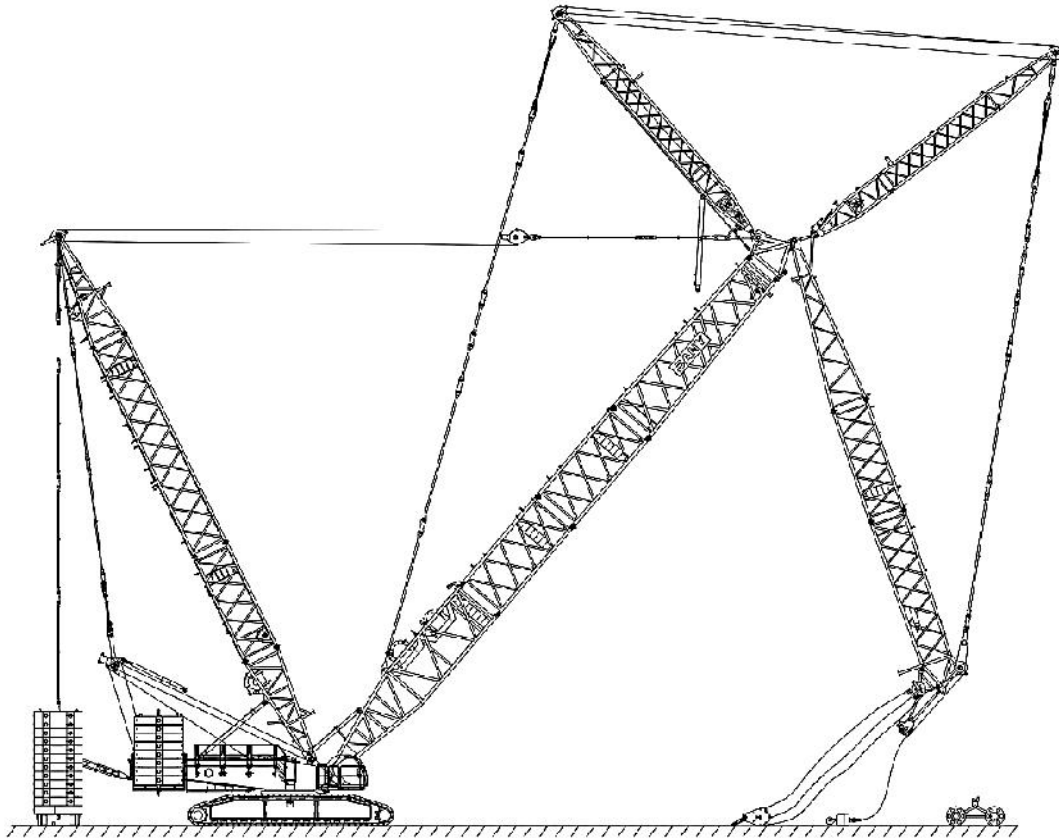
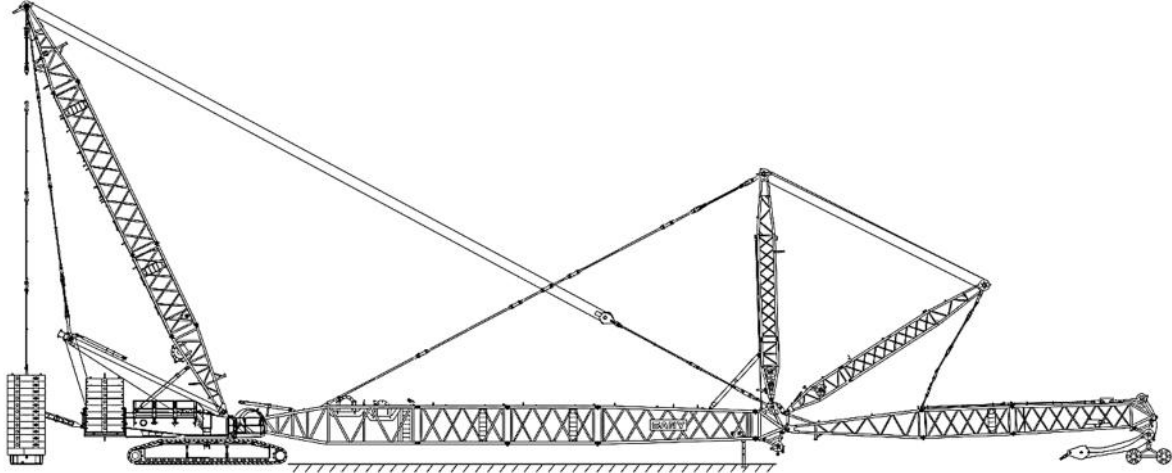
3. Counterweight and the next arm self-loading and unloading



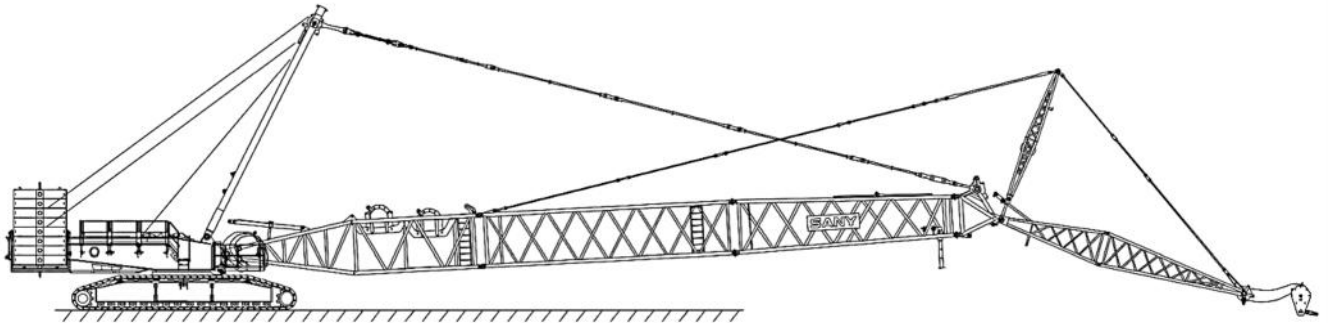
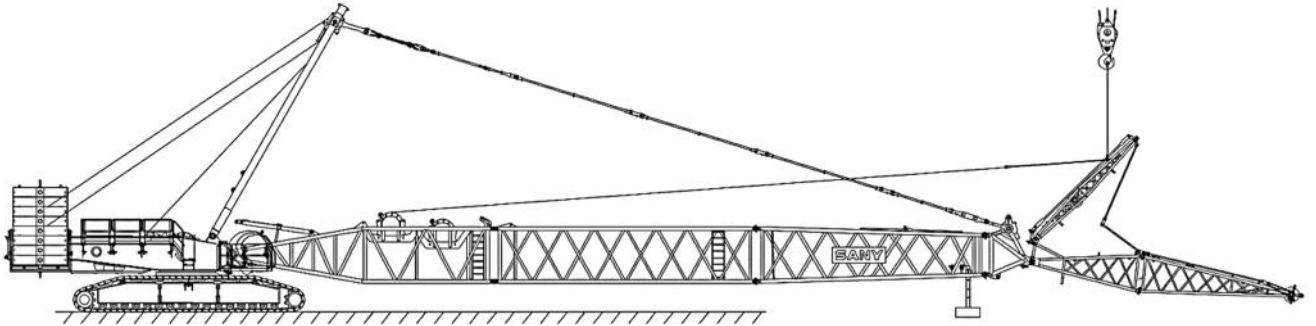
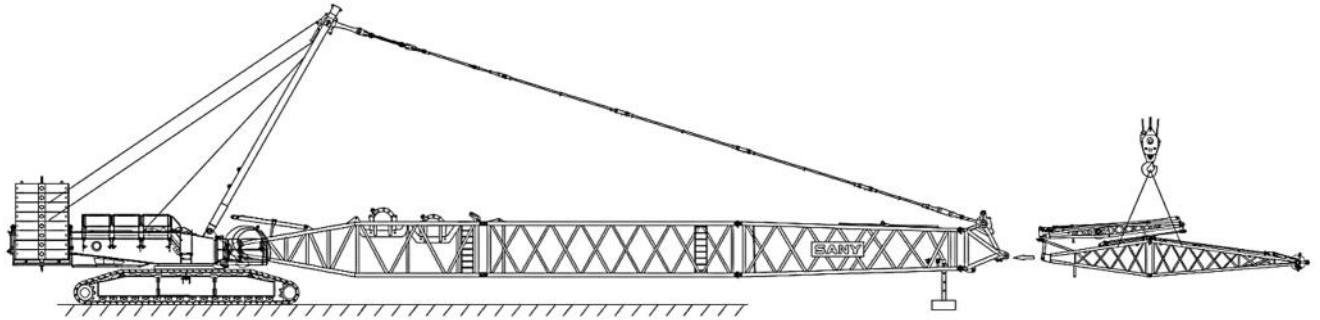
Main Boom Installation Diagram



Luffing Jib Installation Diagram



Fixed Jib Installation Diagram





H, 24m-84m



HDI/HDB, 36m-84m



LJ, 54m+72m
60m+66m
66m+42m



LJD/LJDB, 84m+84m



HJ, 84m-96m



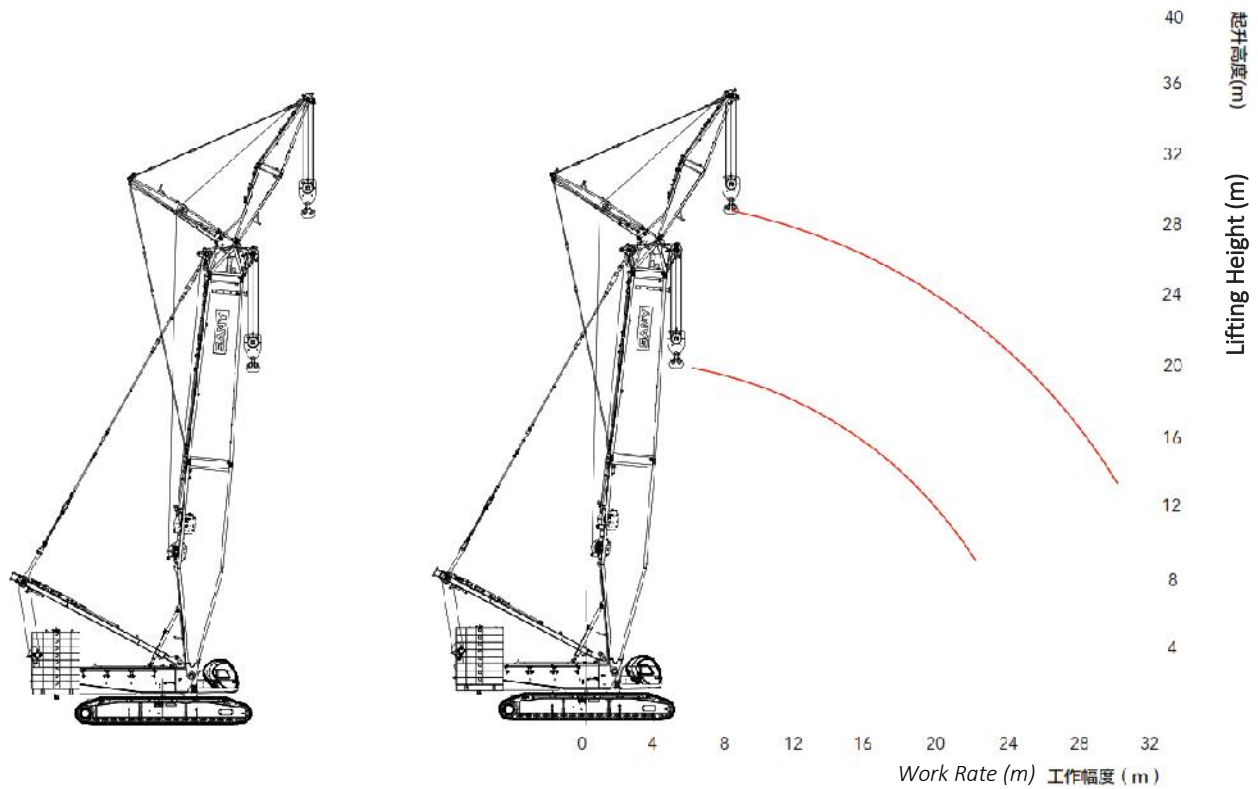
HUDI/HJDB, 78m-126m



FJ, 24m-84m+9-42m



FJH, 24m+9



SCC3200A 履帶起重機主臂 Crawler crane Boom (H) 載荷表 Load Table				
Main Boom (L) 24 Crane CW 140t Center Ballast 40t				
R/m	Boom L/m	24	BL/m	R/m
6		320.0		6
7		315.0		7
8		282.5		8
9		251.7		9
10		219.7		10
11		190.5		11
12		165.9		12
14		131.2		14
16		107.7		16
18		90.8		18
20		78.0		20
22		67.9		22

Comments :

1. The actual weight must be subtracted from the rated capacity of this watch hook, spreader and wire rope wrapped around the hook and arm head weight.
2. The rated load shown in the table is the value at the level of a hard soil floor when the weight is slowly and smoothly lifted.

SCC3200A Shield Condition (FJH) Load Table			
Main Jib< 20°, Crane CW 140t, Center Ballast 40t			
Main Boom Length (m)	24 9		Main Boom L (m)
	Main hook load value (Vice hook empty hook)	Vice Hook Load Value (The Main Hook Empty Hook)	Jib Length /m
Jib Lenth /m			Load R /m
6	320		6
7	310		7
8	278	8.2/148	8
9	246	146.0	9
10	217	144.0	10
11	187	140.0	11
12	164	135.0	12
14	126	123.0	14
16	104	120.0	16
18	86	101.9	18
20	74	87.8	20
22	64	76.8	22
24		67.9	24
26		60.6	26
28		54.5	28
30		48.0	30

Comments:

1. The actual weight must be subtracted from the rated capacity of this watch hook, spreader and wire rope wrapped around the hook and arm head weight.
2. The table shows the rated load is the level of hard soil in the ground, the weight is slowly and smoothly when the value of lifting.



Mohammad Abdullah Al Areehd Ltd.Co.
Corporate Office:
3669 Ibn Al Amid, An Nur,
Riyadh 14271 8235 Ibn Al Amid,An Nur,
Riyadh 14271 8235,
Contact Complaint
Phone Tel: +966112702258/ 0112412431
WWW.alareedh.com

