



SCC1350A

SANY Crawler Crane

135 Tons Lifting Capacity

Quality Changes the World





Crawler Crane Series
SCC1350A

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Main Characteristics

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Driver's cab



Operating Comfort

- Fully-enclosed steel frame structure is adopted, and the front, side, and the top of the cab are installed with large highstrength tempered glass, which admits sufficient light. The operator's cab is bright with ample space, providing wider view and isolates noise in a better way. Multimode and multilevel adjustable suspension seat is mounted with minimum vibration and noise, bringing the most comfortable driving experience for the operator. Air conditioning and heater are designed to ensure the perfect temperature for the operator. Better man machine interactive interface are realized through integrated 14-inch touch screen, programmable key switch and vibrating handle. On the left console mounted **swing/aux. hoist control handle**, control buttons, emergent stop, radio and A/ C panel; on the right console mounted **main hoist/boom hoist cross control handle**, as well as ignition, engine throttle and winch speed buttons. The total layout is more human-friendly and compliant to mainstream small and medium tonnage cranes.

Closed Circuit Television System

- The screen can mostly present four pictures on one page, showing the wire rope reeving on each winch, surroundings behind counterweight and environment around the machine.

Engine

- US Cummins (Euro Tier III emission standards) ;
- Rated power 242Kw;
- Rated speed 2,100rpm;
- Max. output torque 1,385N.m;
- Speed at max. output torque 1,500rpm.

Electrical Control System

- The integrated control system independently researched and developed by Sany is adopted, with high system integration, accurate operation, and reliable quality. The control system mainly includes power system, engine system, master control system, LMI system, auxiliary system, and security monitoring system;
- Main electric components are from internationally or industrially well-known brands with reliable quality, which can steadily operate in such bad environment as severe cold, high temperature, plateau, and sandstorms;
- The CAN bus technology is used between the integrated LMI control system, monitor and the data recorder for communication.

Hydraulic System

- The main pump is piston pump of variable displacement, and the winch motor is a piston motor of infinitely variable speeds to ensure the high speed of operations. The control system adopts positive hydraulic flow to save energy, increase efficiency and reliability;
- Increase efficiency of hoisting and multi-functions. Inching function of each action is excellent;
- Quick cooling of hydraulic system improves heat balance and adaptability to the weather.

Swing Mechanism

- Three rows of roller swing bearings, large displacement single motor reducer drive; slewing speed of 0-2.2r / min. The neutral position free slipping function is designed for 360 ° swing.

Upperworks



Main and Auxiliary Load Hoist Mechanism

- Main and aux. hoist winches are driven separately by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of hook. Excellent inching function is equipped on the machine;
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers.

Main Hoisting Mechanism	Drum diameter	630mm
	Rope speed	0~121m/min
	Diameter of wire rope	26mm
	Main load hoist wire rope length	300m
	Rated single line pull	13.5t
Auxiliary Hoisting Mechanism	Drum diameter	630mm
	Rope speed	0~121m/min
	Diameter of wire rope	26mm
	Auxiliary load hoist wire rope length	260m
	Rated single line pull	13.5t

Luffing

- Boom hoist winch is driven directly by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of boom;
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers.

Boom hoist mechanism	Drum diameter	420mm
	Rope speed	0~101m/min
	Diameter of wire rope	20mm
	Boom hoist wire rope length	180m

Counterweight

- The stacking mode of counterweight tray and blocks is used for easy assembly, disassembly and transportation;
- Rear counterweight: total weight 51.3t, 5t counterweight blocks x 8, 11.3t counterweight tray x1;
- Carbody counterweight: A total of 2, total weight of 20t (10t x 2).

Lowerworks



- Independent travel driving units are adopted for each side of the crawler, to realize straight walking and turning driven by travel motor through gearbox and drive wheel.

Crawler Tightening

- The jack is used to push the guide wheel and insert the shim to adjust crawler tension.

Track Pad

- High strength alloy cast steel track pad ensure long service life;
- They are 950mm wide with a quantity of 64 pads x 2.

Operating Equipment



- All chords are high-strength steel tubes, and the boom/jib top sheaves are made of high-strength anti-wearing Nylon material protecting wire rope. The hooks are installed with milled welded steel sheave.

Boom

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins;
- Basic boom: 8m boom base + 3m transitional insert + 5m boom top;
- Boom insert: 3m×1, 6m×2, 9m×5;
- Boom length: 16m~76m.

Fixed Jib

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins;
- Basic jib: 5m jib base +3m insert +5m jib top;
- Jib insert: 6m×3;
- Longest boom + jib: 61m +31m.

Extension Jib

- The welding structure is connected with main boom through hinge pin, and used for aux. hook operation;
- Length of extension boom: 2.7m.

Hook Block

- 135t hook, 5 pulleys;
- 80t hook, 3 pulleys;
- 35t hook, 1 pulley;
- 13.5t ball hook.



Safety Device

Assembly/Work Mode Control Switch

- Under the assembly mode, over-hoist limit switch, crane boom limit device and load moment limiter do not work, so as to facilitate the installation of crane;
- All safety limit devices work in the work mode.

Emergency Stop

- In emergent situation, this button is pressed down to cut off the power supply of whole machine and all actions stop

Load Moment Limiter (LMI)

- It is an independent computerized safety control system. LMI can automatically detect the load weight, work radius and boom angle, and present on the display the rated load, actual load, work radius and boom angle. In normal operation, the LML can make a judgment and cut off automatically if the crane moves towards dangerous direction. It can also perform as a black box to record the lifting information.
- It is composed of monitor, angle sensor and force sensor and other parts.

Over-hoist Limit Switch of Main/Auxiliary Hooks

- Over-hoist protection device comprises of limit switch and weight on boom top, which prevents the hook lifting up too much.
- When the hook lifts up to the limit height, the limit switch activates, buzzer on the left control panel sends alarm, failure indicator light starts to flash, and the hook hoisting action is cut off automatically, cut off automatically.

Over-release Limit Switch of Main/Auxiliary Hooks

- It is comprised of activator in the drum and proximity switch to prevent over release of wire rope. When the rope is paid out close to the last three wraps, the limit switch acts, and the system sends alarm through buzzer and show the alarm on the instrument panel, automatically cutting off the winch action.

Function Lock Lever

- If the function lock level is not in work position, all the other handles won't work, which prevents any mis-operation caused by accidental collision.

Boom Hoist Drum Lock

- Pawl lock is used on boom hoist winch, which needs to unlock by switch before operation, in order to prevent mis-operation of handles and ensure safety during nonwork time.

Swing Lock Device

- Lock the machine at two positions at left or right.

Boom Limit Device

- When the boom elevation angle reaches the max. set limit, the buzzer sounds and boom action cut off. This protection is two-stage control ensured by both LML system and travel switch.
- Back-stop Device
- Its major components are nesting tubes and spring, in order to buffer the boom backlash and prevent further tipping back.
- Boom Angle Indicator
- Pendulum angle indicator is fixed on the side of boom base close to the cab, so as to provide convenience to the operator.

Hook Latch

- The hook is provided with a baffle to prevent wire rope from falling off.

Safety Device



Lightning Protection Device

- It is offered as an optional feature, which includes the grounding device that can effectively protect the electric system elements and workers from lightning.

Tri-color Load Indicator

- The load indication light has three colors, green, yellow and red, and the real time load status is presented on the display. When the actual load is smaller than 90% of rated load, the green light is on;
- When the actual load is larger than 90% and smaller than 100%, the yellow light is on, the alarm light flashes and sends out intermittent sirens;
- When the actual load reaches 100% of rated load, the red light is on, the alarm light flashes and sends out continuous sirens;
- When the actual load reaches 100% of rated load, the system will automatically cut off the crane operation in dangerous trend.

Audio-visual Alarm

- When the engine is working, the light flashes; when the machine is traveling or swinging, it sends out sirens.

Swing Indicator Light

- The swing indicator light flashes during traveling or swing.

Illuminating Light

- The machine is equipped with the low beam light and high beam light at the front of the cab, illumination light at cab, and other night lights, boom lights to improve the visibility during construction.

Rearview Mirror

- Separately set on the left front of the cab and on the handrail at the front of right sheet metal, so as to monitor the rear part of machine.

Pharos

- Pharos is mounted on the top of boom/jib to indicate the height.

Anemometer

- It is mounted on the top of boom/jib, and displayed on the monitor in the cab.

Electronic Level Indicator

- It displays the tipping angle of crane on the monitor in real time, protecting the machine from dangerous situation.
- Put down the function lock lever on the left side of cab seat or if the operator leaves the seat, all control levers will be deactivated to prevent any mis-operation due to accidental collision.

Engine Power Limit Load Adjustment and Stalling Protection

- The controller monitors the engine power to prevent engine getting stuck and stalling.

Engine Status Monitoring

- The engine status will be presented, such as engine coolant temperature, fuel volume, total work hours, engine oil pressure, engine speed, battery charging, voltage.



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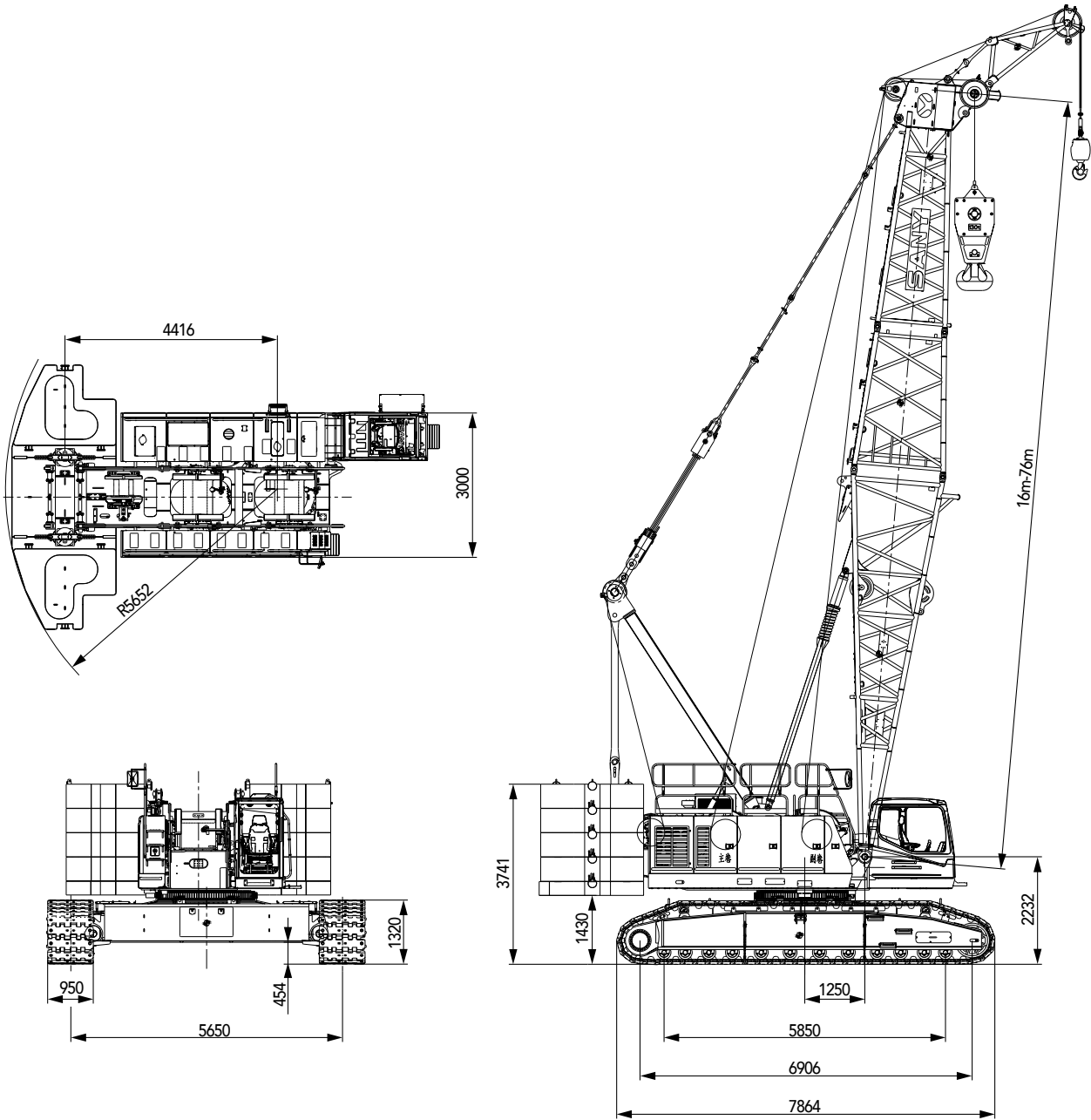
Technical Parameters

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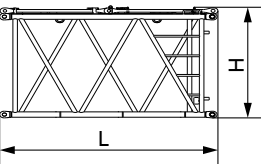
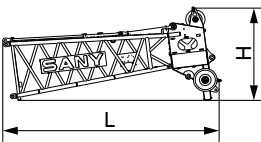
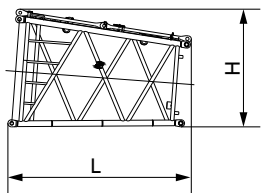
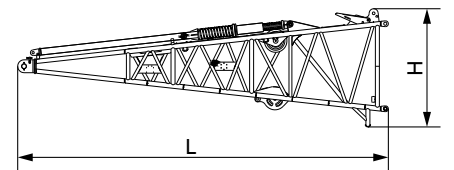
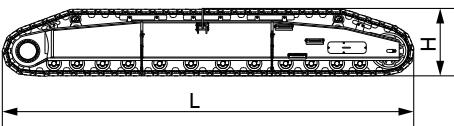
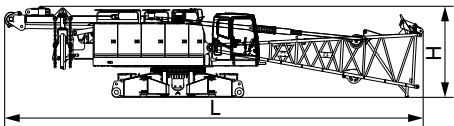
Major Performance Specifications

Major Performance & Specifications of SCC1350A			
Performance Indicators		Unit	Parameter
Boom configuration	Maximum rated lifting capacity	t	135
	Maximum rated lifting moment	t·m	668(=95.4×7)
	Boom length	m	16 ~ 76
Fixed jib configuration	Maximum rated lifting capacity	t	27
	Jib length	m	13 ~ 31
	Longest main boom + jib	m	61+31
Luffing jib configuration	Maximum rated lifting capacity	t	38
	Jib length	m	23 ~ 53
	Longest main boom + jib	m	51+32/45+53
Operation speed	Rope speed of main/aux. load hoist (1st layer)	m/min	0 ~ 121
	Boom hoist winch rope speed (5th layer)	m/min	0 ~ 101
	Slewing speed	rpm	0 ~ 2.2
	Travelling speed	km/h	0 ~ 1.3
Engine	Output power	kW	242
	Rated speed	rpm	2100
Transport parameter	Maximum transport weight of basic machine (including base)	t	38
	Maximum transport dimension of basic machine (L x W x H, mm)	m	16.07× 3.0 × 3.25
Other parameters	Average ground bearing pressure	MPa	0.112
	Grade ability	%	30

Outline Dimension



Transportation Dimensions



Basic machine (including boom base) ×1	
Length(L)	16.05m
Width(W)	3.00m
Height(H)	3.25m
Weight	38t

Crawler Assembly ×2	
Length(L)	7.86m
Width(W)	1.32m
Height(H)	1.32m
Weight	15.2t

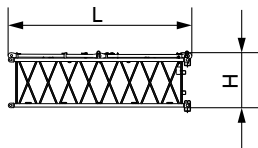
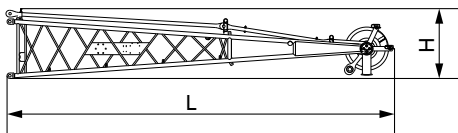
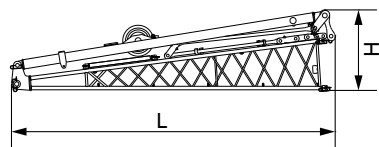
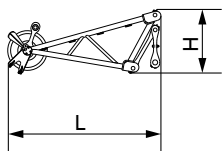
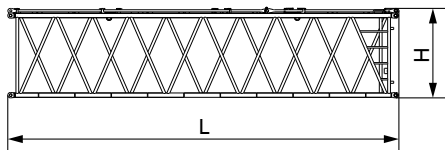
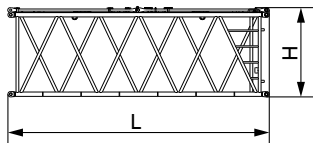
Boom base ×1	
Length(L)	8.21m
Width(W)	2.08m
Height(H)	2.57m
Weight	3.82t

3m Tapered Boom ×1	
Length(L)	3.26m
Width(W)	1.96m
Height(H)	2.09m
Weight	0.71t

Boom top ×1	
Length(L)	10.59m
Width(W)	1.51m
Height(H)	2.97m
Weight	2.06t

3m insert of main boom ×1	
Length(L)	3.15m
Width(W)	2.06m
Height(H)	2.09m
Weight	0.63t

Transportation Dimensions



6m insert of main boom ×2	
Length(L)	6.14m
Width(W)	2.06m
Height(H)	2.08m
Weight	1.06t

9m insert of main boom ×5	
Length(L)	9.14m
Width(W)	2.06m
Height(H)	2.08m
Weight	1.52t

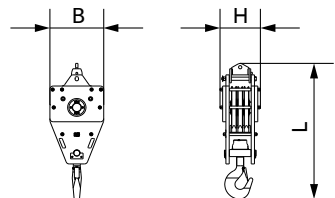
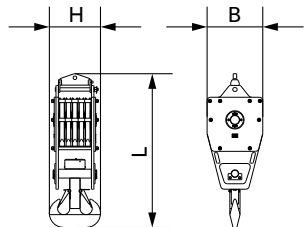
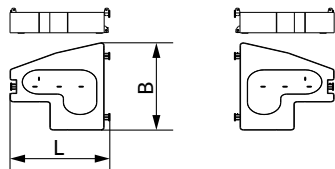
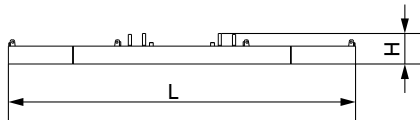
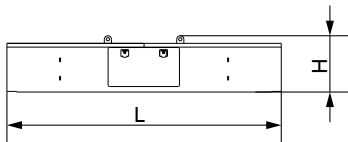
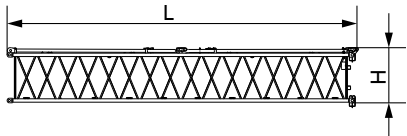
Extension jib ×1	
Length(L)	2.36m
Width(W)	1.04m
Height(H)	0.98m
Weight	0.31t

Fixed jib base(including strut) ×1	
Length(L)	5.25m
Width(W)	1.19m
Height(H)	1.30m
Weight	0.84t

Fixed jib top ×1	
Length(L)	5.43m
Width(W)	1.01m
Height(H)	0.99m
Weight	0.53t

3m insert of fixed jib ×1	
Length(L)	3.12m
Width(W)	1.02m
Height(H)	0.92m
Weight	0.19t

Transport Dimensions



6m insert of fixed jib	×3
Length(L)	6.12m
Width(W)	1.02m
Height(H)	0.92m
Weight	0.34t

Carbody counterweight	×2
Length(L)	4.25m
Width(W)	1.03m
Height(H)	0.89m
Weight	10t

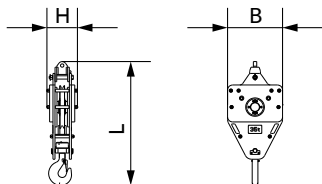
Rear counterweight tray	×1
Length(L)	5.5m
Width(W)	2.17m
Height(H)	0.49m
Weight	11.3t

Rear counterweight	(1+1)×4
Length(L)	1.78m
Width(W)	2.14m
Height(H)	0.62m
Weight	5t

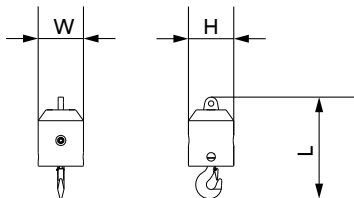
135T lifting hook	×1
Length(L)	2.28m
Width(W)	0.82m
Height(H)	0.75m
Weight	1.92t

80T lifting hook	×1
Length(L)	2.13m
Width(W)	0.82m
Height(H)	0.62m
Weight	1.64t

Transportation Dimensions



35T lifting hook×1	×2
Length(L)	1.88m
Width(W)	0.82m
Height(H)	0.46m
Weight	1.11t



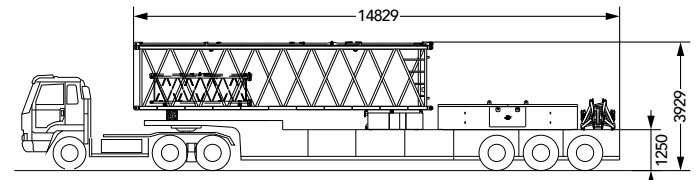
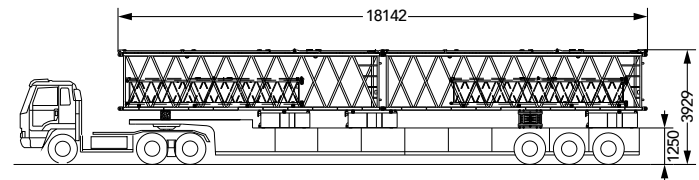
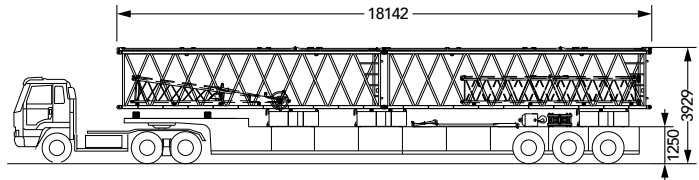
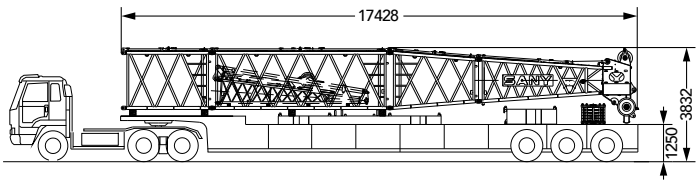
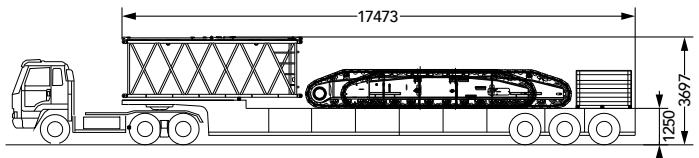
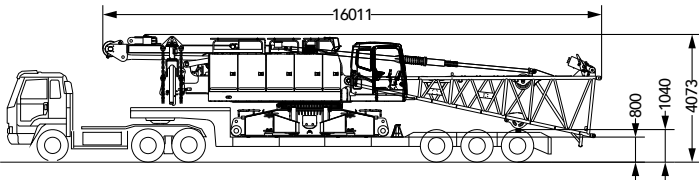
13.5t ball hook	×1
Length(L)	0.95m
Width(W)	0.43m
Height(H)	0.43m
Weight	0.45t

Remarks:
1.The transport dimensions for the parts are for reference that do not draw to the scale. The dimensions listed above are deisnged values excluding packing.
2.Weight is design values. It maybe different due to manufacturing tolerances.

Transport Plan

Transport with crawler frame

Transport cart 1	
Components included	Basic machine (3 winches, carbody, outrigger, A-frame, all wire ropes), boom/jib base
Transport weight	35t
Transport cart 2	
Components included	- Crawler frame*2: 30.4t 6m boom insert: 1.06t - Packing Case: 1t
Transport weight	32.46t
Transport cart 3	
Components included	- Counterweight tray: 11.3t - Rear counterweight: 5t - Boom/jib top+ transition tip: 2.76t 6m main boom: 1.06t 3m main boom: 0.63t - Fixed jib base: 0.84t 135T hook: 1.8t
Transport weight	23.39t
Transport cart 4	
Components included	- Counter weight block*3: 15t 9m main boom*2: 3.05t 6 m fixed jib: 0.34t - Fixed jib top: 0.53t - Jib rear pendant bar: 0.15t 35T lifting hook: 1.08t 13.5T lifting hook: 0.47t
Transport weight	20.62t
Transport cart 5	
Components included	- Counter weight block*3: 15t 9m main boom*2: 3.05t 6 m fixed jib*2: 0.67t 80T lifting hook: 1.57t
Transport weight	20.29t
Transport cart 5	
Components included	- Carbody counterweight *2: 20t - Counterweight block: 5t 9 m main boom: 1.52t 3 m fixed jib: 0.19t - Extension jib: 0.3t
Transport weight	27.01t



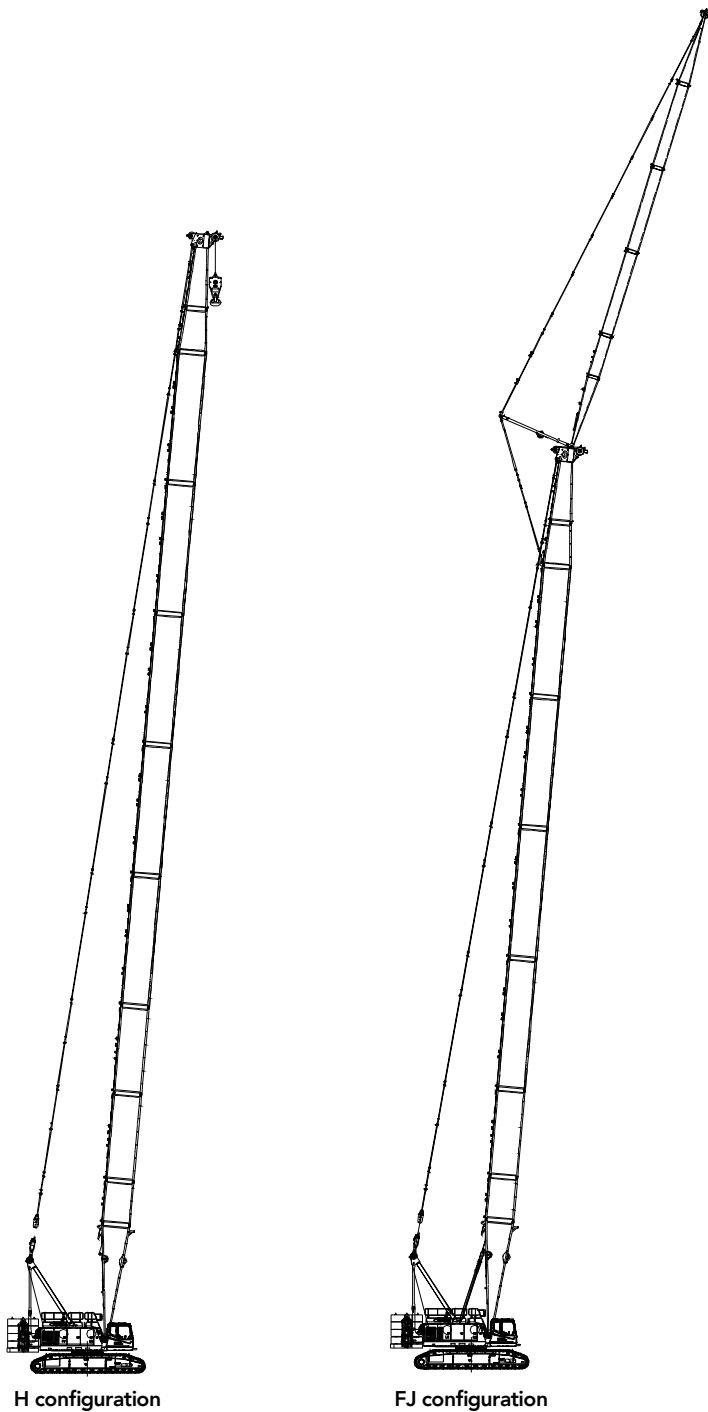
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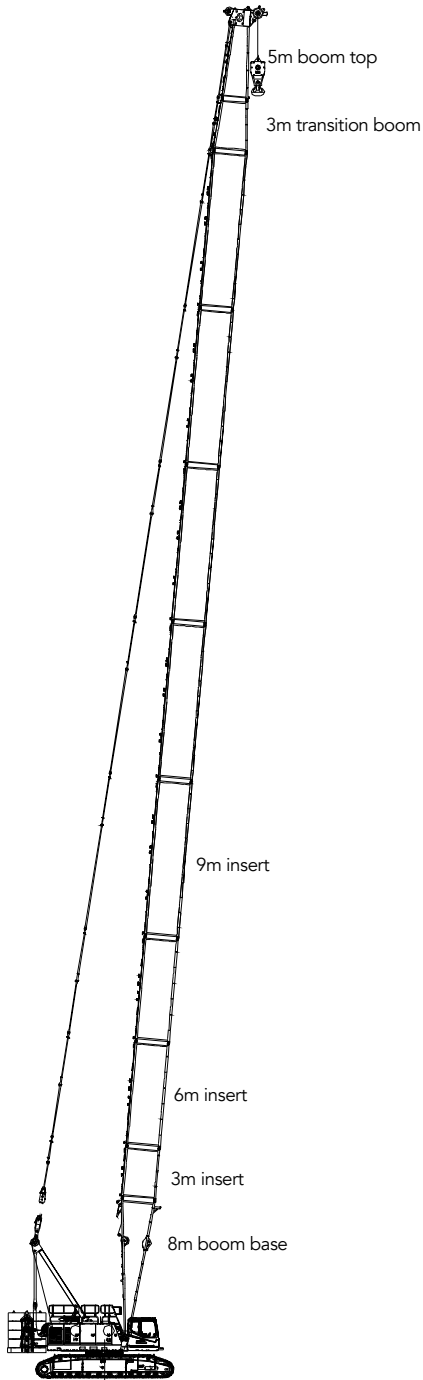
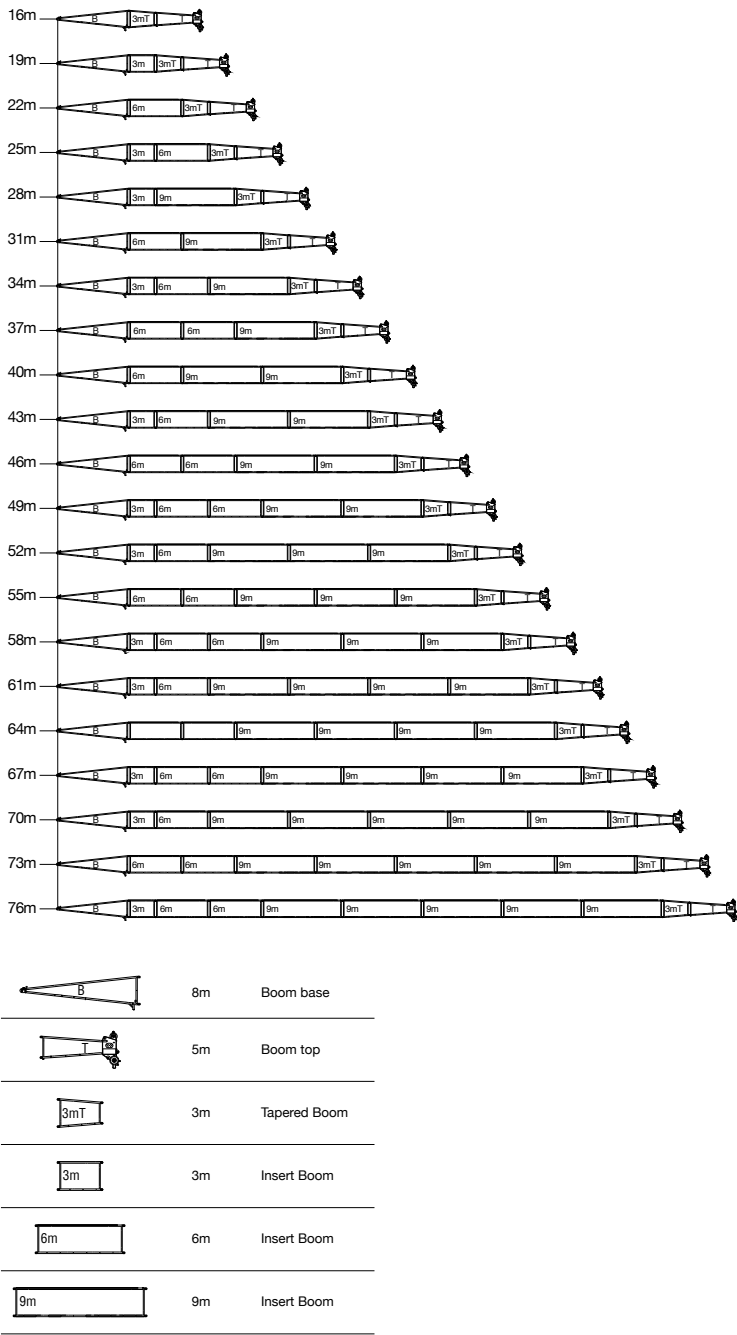
Boom/Jib Combination

- Page 18 H Boom combination
- Page 23 FJ jib combination

Boom Combination

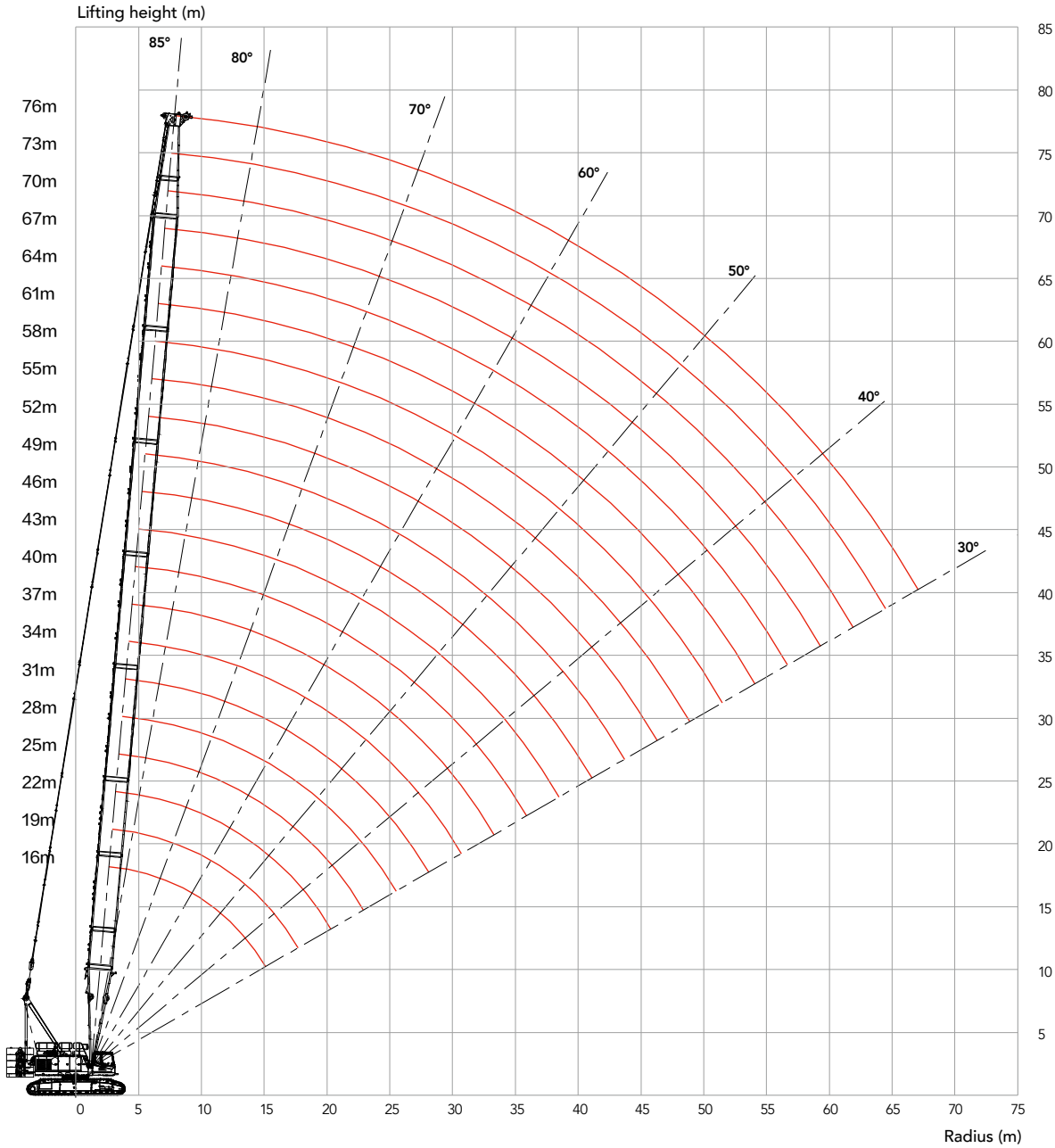


H Boom Combination



H Working Condition of main boom: 16m~76m

H Working Radius



H Load Chart

Unit: t

- Note:
- 1.The rated load in the load chart is calculated complying with EN 13000;
 - 2.The working radius is the horizontal distance from the load center to the swing center;
 - 3.The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
 - 4.The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
 - 5.The load values listed in the load chart are calculated on firm and level ground with the slope being lower than 1%.
 - 6.The crawler frame must be extended during lifting.
 - 7.The rated lifting capacity in the load chart is calculated based on conditions that the crane is parking on firm and level ground, lifting the load slowly and steadily.

SCC1350A crawler crane – H load chart 1/2											
Main hook, main boom is 16~76m, without extension jib											
Boom length/ radius (m)	16	19	22	25	28	31	34	37	40	43	Boom length/ radius (m)
4	135.0										4
5	131.0	130.0	129.0	121.0							5
6	110.0	109.5	108.8	108.0	105.8	97.6	89.8				6
7	95.4	92.6	92.0	91.4	89.7	86.7	84.0	75.6	68.3		7
8	81.0	80.3	79.6	79.1	78.1	75.5	73.2	71.3	63.4	61.7	8
9	71.4	70.8	70.2	69.6	69.2	67.0	64.9	63.2	61.3	54.7	9
10	63.8	63.3	62.8	62.2	61.7	60.2	58.4	56.9	55.2	50.7	10
12	52.0	51.6	51.3	50.9	50.6	50.2	48.7	47.5	46.0	44.7	12
14	42.5	42.2	42.0	41.7	41.5	41.3	41.0	40.6	39.4	38.4	14
16		35.5	35.3	35.0	34.8	34.6	34.4	34.4	34.0	33.2	16
18		30.5	30.3	30.1	29.9	29.7	29.5	29.5	29.1	28.9	18
20			26.5	26.3	26.1	25.9	25.7	25.7	25.3	25.1	20
22				23.3	23.1	22.9	22.7	22.7	22.4	22.1	22
24					20.7	20.5	20.3	20.3	19.9	19.7	24
26						18.5	18.2	18.2	17.9	17.7	26
28						16.7	16.5	16.5	16.2	16.0	28
30							15.1	15.1	14.7	14.5	30
32								13.8	13.5	13.3	32
34									12.4	12.2	34
36									11.4	11.2	36
38										10.3	38
40											40
42											42
44											44
46											46
48											48
50											50
52											52
54											54
56											56
58											58
60											60
62											62
Counter weight(t) Parts of line	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	Counter weight(t) Parts of line
	12	11	10	9	8	8	7	6	6	5	

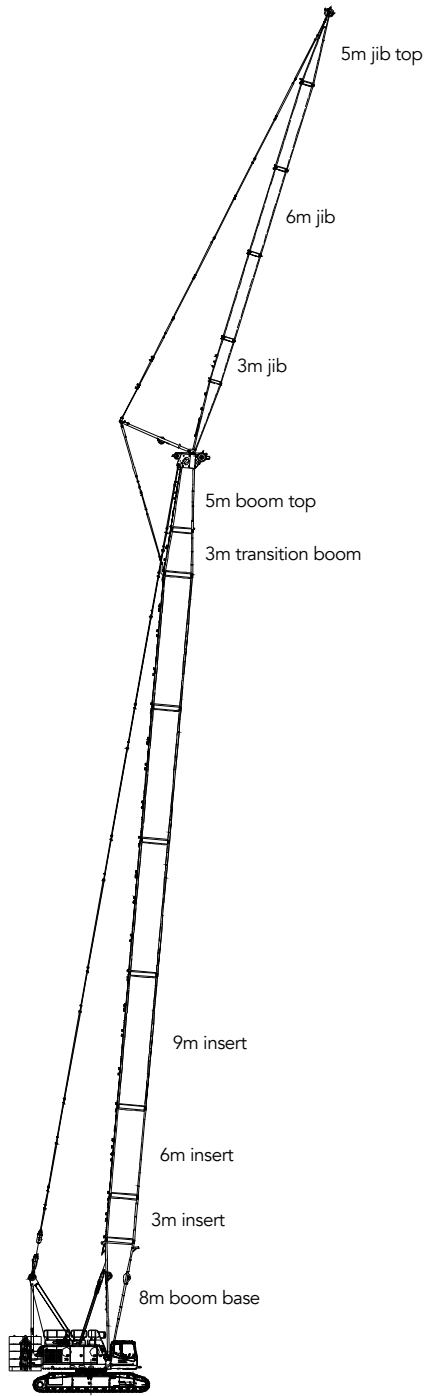
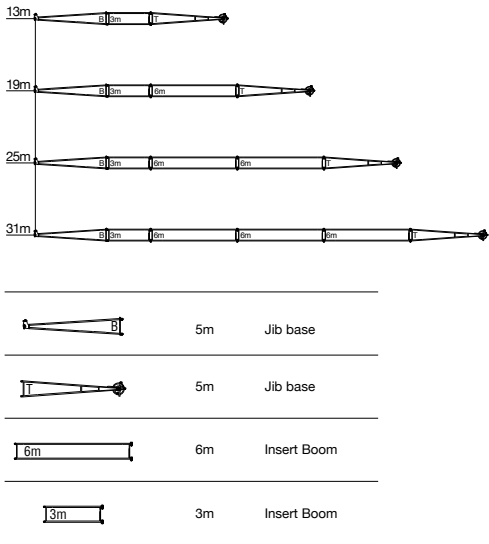
H Load Chart

Unit: t

SCC1350A crawler crane – H load chart 2/2												
Main hook, main boom is 16~76m, without extension jib												
Boom length/ radius (m)	46	49	52	55	58	61	64	67	70	73	76	Boom length/ radius (m)
4												4
5												5
6												6
7												7
8	58.8	57.4										8
9	53.3	52.1	48.3	47.6	42.5							9
10	49.8	46.7	45.6	44.7	40.1	38.2	34.2	30.9				10
12	43.6	41.5	41.5	40.6	36.1	35.3	32.8	30.1	27.5	25.0	22.6	12
14	37.4	36.4	35.5	34.7	33.8	33.1	31.1	28.6	26.6	24.6	22.2	14
16	32.5	31.7	31.0	30.2	29.5	28.8	28.1	26.6	25.3	24.1	21.8	16
18	28.5	27.8	27.2	26.6	25.9	25.3	24.7	24.1	23.5	22.6	21.1	18
20	24.9	24.7	24.1	23.6	23.0	22.4	21.9	21.3	20.8	20.3	19.8	20
22	22.0	21.7	21.6	21.1	20.5	20.0	19.5	19.0	18.5	18.1	17.6	22
24	19.5	19.3	19.1	18.9	18.5	18.0	17.5	17.1	16.6	16.2	15.7	24
26	17.5	17.3	17.1	16.9	16.7	16.3	15.8	15.4	15.0	14.5	14.1	26
28	15.8	15.6	15.4	15.2	15.0	14.8	14.3	13.9	13.5	13.1	12.7	28
30	14.4	14.1	14.0	13.8	13.6	13.4	13.0	12.6	12.2	11.9	11.5	30
32	13.1	12.9	12.7	12.5	12.3	12.2	11.9	11.5	11.1	10.8	10.4	32
34	12.0	11.8	11.6	11.4	11.2	11.1	10.9	10.5	10.1	9.8	9.4	34
36	11.0	10.8	10.7	10.5	10.3	10.1	9.9	9.6	9.2	8.9	8.5	36
38	10.2	10.0	9.8	9.6	9.4	9.2	9.1	8.7	8.4	8.1	7.7	38
40	9.4	9.2	9.0	8.8	8.6	8.5	8.3	8.0	7.7	7.4	7.0	40
42		8.5	8.3	8.2	8.0	7.8	7.6	7.3	7.0	6.7	6.3	42
44		7.9	7.7	7.5	7.3	7.2	7.0	6.7	6.4	6.1	5.7	44
46			7.1	7.0	6.8	6.6	6.4	6.1	5.8	5.5	5.2	46
48				6.4	6.2	6.1	5.9	5.6	5.3	5.0	4.7	48
50					5.8	5.6	5.4	5.1	4.8	4.5	4.2	50
52						5.2	5.0	4.7	4.4	4.1	3.8	52
54						4.7	4.6	4.3	4.0	3.7	3.4	54
56							4.2	3.9	3.6	3.3	3.0	56
58								3.6	3.3	3.0	2.4	58
60									2.9	2.6		60
62									2.6			62
Counter weight(t) Parts of line	51.3+20 5	51.3+20 5	51.3+20 4	51.3+20 4	51.3+20 4	51.3+20 3	51.3+20 3	51.3+20 3	51.3+20 3	51.3+20 2	51.3+20 2	Counter weight(t) Parts of line

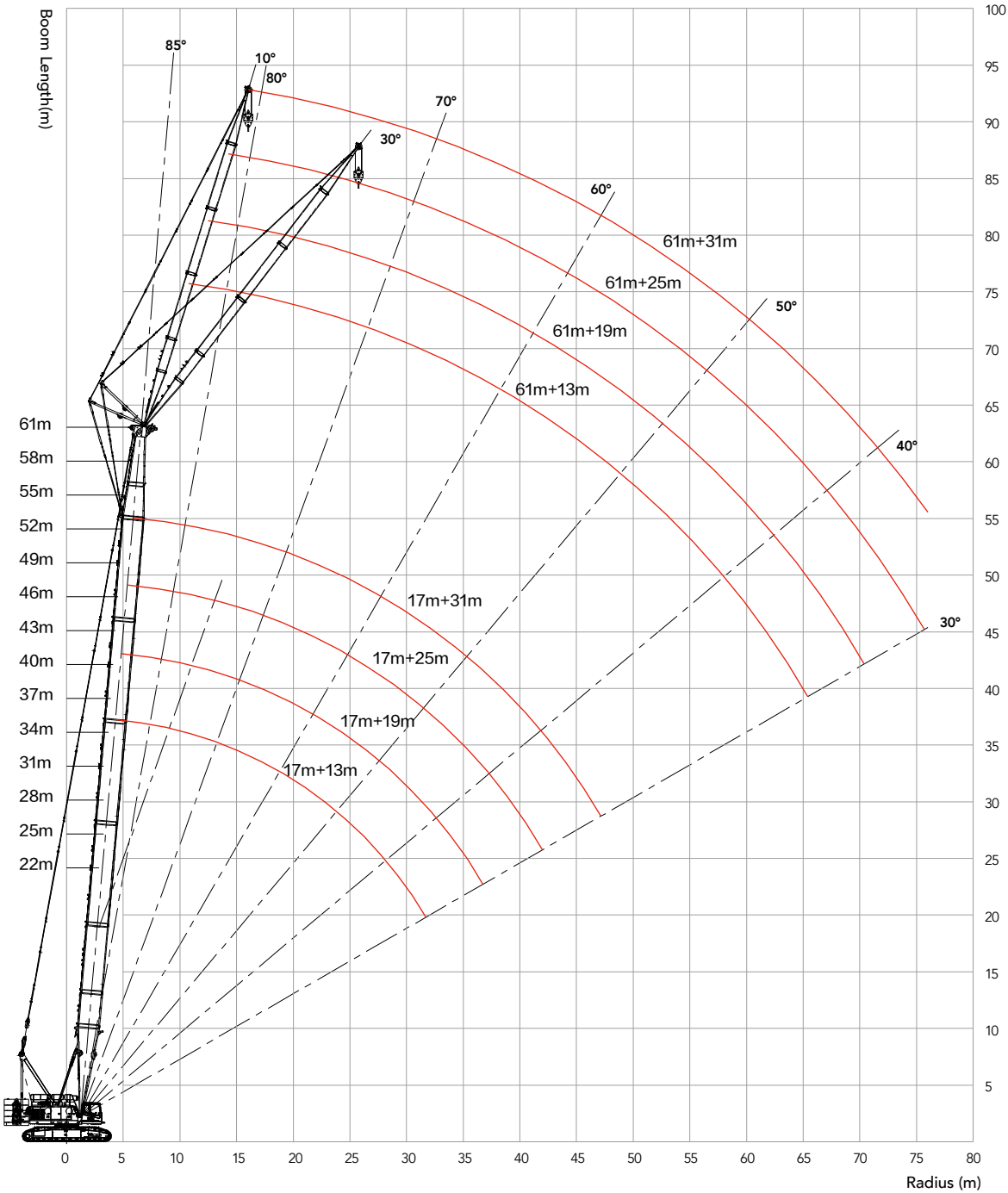
Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

FJ Boom Combination



FJ Working Condition of fixed jib
(22 m~ 61 m)+(13 m~ 31 m)

FJ Working Radius



FJ Load Chart

Unit: t

SCC1350A crawler crane – FJa working condition load table 1/9															
Auxiliary hook, main boom 22~61 m, jib 13 m, boom to jib angle 10°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
9	27.0	27.0													9
10	27.0	27.0	27.0	26.8	26.8										10
12	26.9	26.5	26.8	26.8	26.8	26.5	25.8	25.1							12
14	26.2	25.8	26.1	26.3	26.5	26.5	25.8	25.1	24.4	23.6	22.9	22.0			14
16	25.6	24.9	25.3	25.5	25.8	26.0	25.7	25.2	24.4	23.6	22.9	22.0	21.3	20.5	16
18	25.1	24.4	24.6	24.5	24.9	25.1	25.2	24.5	24.1	23.3	22.3	21.3	21.0	20.2	18
20	24.3	23.5	23.3	23.3	23.5	23.7	23.1	22.4	21.8	21.2	20.7	20.1	19.6	19.1	20
22	22.9	22.3	22.1	21.9	21.9	21.7	21.0	20.3	19.8	19.2	18.7	18.2	17.7	17.2	22
24	20.7	20.5	20.3	20.1	19.9	19.8	19.2	18.6	18.1	17.5	17.0	16.6	16.1	15.6	24
26	18.7	18.5	18.3	18.1	17.9	17.9	17.6	17.1	16.6	16.1	15.6	15.2	14.7	14.3	26
28	17.0	16.8	16.6	16.5	16.3	16.2	15.9	15.7	15.3	14.8	14.4	13.9	13.5	13.1	28
30	15.6	15.4	15.2	15.0	14.8	14.8	14.5	14.3	14.1	13.9	13.3	12.9	12.5	12.1	30
32	14.4	14.1	14.0	13.8	13.6	13.5	13.2	13.1	12.9	12.7	12.5	11.9	11.5	11.1	32
34		13.1	12.9	12.7	12.5	12.5	12.2	12.0	11.8	11.6	11.4	11.3	11.0	10.3	34
36			11.9	11.8	11.6	11.5	11.2	11.0	10.8	10.7	10.5	10.3	10.1	9.7	36
38			11.1	10.9	10.7	10.7	10.4	10.2	10.0	9.8	9.6	9.5	9.3	8.9	38
40				10.2	10.0	9.9	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.2	40
42					9.3	9.2	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.6	42
44						8.6	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	44
46							7.8	7.6	7.4	7.2	7.0	6.9	6.6	6.4	46
48							7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9	48
50								6.6	6.4	6.2	6.0	5.8	5.6	5.4	50
52									6.0	5.7	5.5	5.3	5.1	4.9	52
54										5.3	5.1	4.9	4.7	4.5	54
56										4.9	4.7	4.5	4.3	4.1	56
58											4.4	4.2	3.9	3.7	58
60												3.8	3.6	3.4	60
62													3.4	3.2	62
64														3.0	64
66															66
Counter weight(t) Parts of line	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	Counter weight(t) Parts of line
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

FJ Load Chart

Unit: t

SCC1350A crawler crane – FJa working condition load table 2/9															
Auxiliary hook, main boom 22~61 m, jib 19 m, boom to jib angle 10°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
12	22.5	22.5													12
14	21.6	21.7	21.8	21.6	21.5										14
16	20.7	20.9	21.0	21.1	21.0	20.8	20.7	20.6							16
18	20.1	20.2	20.3	20.4	20.4	20.4	20.3	20.1	19.9	19.7	19.4	18.8			18
20	19.3	19.5	19.7	19.8	19.8	19.8	19.8	19.6	19.5	19.4	19.1	18.7	18.0	16.7	20
22	18.5	18.9	19.1	19.2	19.3	19.4	19.3	19.3	19.1	18.8	18.3	17.9	17.4	16.7	22
24	18.0	18.2	18.5	18.7	18.8	18.8	18.8	18.2	17.7	17.2	16.7	16.3	15.8	15.4	24
26	17.4	17.7	18.0	18.1	18.1	17.9	17.3	16.8	16.3	15.8	15.3	14.9	14.5	14.1	26
28	16.9	17.0	16.8	16.6	16.4	16.4	16.0	15.5	15.0	14.6	14.1	13.7	13.3	12.9	28
30	15.7	15.5	15.4	15.2	15.0	14.9	14.7	14.4	13.9	13.5	13.1	12.7	12.3	11.9	30
32	14.5	14.3	14.1	14.0	13.8	13.7	13.4	13.2	13.1	12.5	12.2	11.8	11.4	11.0	32
34	13.4	13.2	13.0	12.9	12.7	12.6	12.4	12.2	12.0	11.8	11.3	10.9	10.6	10.2	34
36	12.5	12.3	12.1	11.9	11.7	11.7	11.4	11.2	11.0	10.9	10.7	10.5	9.8	9.5	36
38	11.6	11.4	11.2	11.1	10.9	10.8	10.5	10.4	10.2	10.0	9.8	9.7	9.4	8.8	38
40		10.7	10.5	10.3	10.1	10.1	9.8	9.6	9.4	9.3	9.1	8.9	8.6	8.3	40
42			9.8	9.6	9.4	9.4	9.1	8.9	8.8	8.6	8.4	8.2	8.0	7.7	42
44				9.0	8.8	8.8	8.5	8.3	8.1	7.9	7.8	7.6	7.4	7.1	44
46				8.5	8.3	8.2	7.9	7.7	7.6	7.4	7.2	7.1	6.8	6.5	46
48					7.7	7.7	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.0	48
50						7.2	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6	50
52							6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.1	52
54							6.1	5.9	5.7	5.5	5.3	5.2	4.9	4.7	54
56								5.5	5.4	5.1	4.9	4.8	4.5	4.3	56
58									5.0	4.8	4.6	4.4	4.2	4.0	58
60										4.4	4.2	4.0	3.8	3.6	60
62											4.0	3.8	3.6	3.3	62
64											3.6	3.4	3.2	3.0	64
66												3.1	2.9	2.7	66
68													2.6	2.4	68
Counter weight(t) Parts of line	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	Counter weight(t) Parts of line

Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

FJ Load Chart

Unit: t

SCC1350A crawler crane – FJa working condition load table 3/9															
Auxiliary hook, main boom 22~61 m, jib 25 m, boom to jib angle 10°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
14	12.1	11.9													14
16	11.9	11.7	11.7	11.7	11.6										16
18	11.7	11.5	11.5	11.4	11.3	11.3	11.5	11.5							18
20	11.5	11.3	11.2	11.0	11.0	11.1	11.2	11.3	11.2	11.2	11.2	11.1			20
22	11.3	11.0	10.9	10.6	10.6	10.8	11.0	11.0	10.9	10.9	11.0	10.9	10.9	10.8	22
24	11.1	10.6	10.5	10.2	10.2	10.4	10.6	10.8	10.7	10.6	10.7	10.6	10.7	10.6	24
26	10.8	10.3	10.2	9.9	9.9	10.0	10.3	10.5	10.4	10.4	10.4	10.5	10.4	10.4	26
28	10.6	10.0	9.8	9.6	9.7	9.7	10.0	10.2	10.1	10.2	10.3	10.3	10.3	10.2	28
30	10.3	9.8	9.5	9.4	9.4	9.4	9.8	9.9	9.9	9.9	10.0	10.1	10.0	10.0	30
32	10.1	9.5	9.2	9.0	9.1	9.1	9.5	9.6	9.6	9.7	9.7	9.9	9.8	9.7	32
34	9.9	9.2	8.9	8.8	8.8	8.9	9.2	9.3	9.3	9.4	9.6	9.6	9.6	9.4	34
36	9.7	8.9	8.7	8.6	8.6	8.6	9.0	9.0	9.1	9.1	9.1	9.2	9.3	9.0	36
38	9.5	8.8	8.4	8.3	8.3	8.4	8.6	8.7	8.8	8.7	8.8	8.9	8.9	8.6	38
40	9.3	8.5	8.3	8.2	8.0	8.1	8.2	8.4	8.5	8.4	8.5	8.6	8.5	8.1	40
42	9.1	8.3	8.0	7.8	7.7	7.8	7.8	8.1	8.2	8.2	8.2	8.3	8.0	7.7	42
44	8.8	8.0	7.6	7.3	7.3	7.5	7.6	7.8	7.9	7.9	7.9	7.8	7.5	7.2	44
46		7.6	7.1	6.9	7.0	7.2	7.4	7.6	7.6	7.5	7.4	7.2	6.9	6.6	46
48			6.7	6.4	6.7	7.0	7.2	7.3	7.2	7.0	6.9	6.7	6.4	6.1	48
50				6.1	6.5	6.9	6.9	6.9	6.7	6.5	6.4	6.2	5.9	5.7	50
52					6.4	6.7	6.6	6.5	6.3	6.1	5.9	5.8	5.5	5.2	52
54					6.3	6.5	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.8	54
56						6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.5	56
58							5.5	5.3	5.1	4.9	4.7	4.6	4.3	4.1	58
60								5.0	4.8	4.6	4.4	4.2	4.0	3.8	60
62									4.7	4.5	4.3	4.1	3.9	3.7	62
64										4.2	4.0	3.8	3.6	3.4	64
66												3.6	3.4	3.1	66
68												3.2	3.0	2.8	68
70												3.0	2.8	2.6	70
72													2.5	2.3	72
74														2.1	74
Counter weight(t) Parts of line	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	Counter weight(t) Parts of line

Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 4/9															
Auxiliary hook, main boom 22~61 m, jib 31 m, boom to jib angle 10°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
16	7.3	7.3													16
18	7.1	7.1	7.1	7.1	7.0										18
20	6.8	6.8	6.9	6.9	6.8	6.8	6.8	6.8							20
22	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4			22
24	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.0	24
26	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.9	26
28	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	28
30	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7	30
32	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	32
34	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	34
36	5.1	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	36
38	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	38
40	4.7	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.1	5.1	40
42	4.5	4.6	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.0	4.9	5.0	5.0	5.0	42
44	4.3	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.9	44
46	4.2	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	46
48	4.0	4.2	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	48
50		4.0	4.2	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	50
52		3.9	4.1	4.2	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	52
54			3.9	4.1	4.2	4.3	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.3	54
56				3.9	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.2	4.2	4.2	56
58					4.0	4.1	4.2	4.1	4.2	4.2	4.1	4.1	4.1	4.0	58
60					3.9	3.9	4.1	3.9	4.0	4.1	4.0	4.0	4.0	3.8	60
62							3.9	3.8	3.8	3.9	3.9	3.9	3.8	3.5	62
64							3.6	3.6	3.6	3.7	3.7	3.7	3.5	3.2	64
66									3.3	3.5	3.5	3.4	3.2	3.0	66
68									3.1	3.3	3.3	3.1	2.9	2.7	68
70									2.9	3.1	3.1	2.9	2.6	2.4	70
72										2.9	2.8	2.6	2.4	2.2	72
74												2.4	2.2		74
76												2.2	2.1		76
78												2.1			78
Counter weight(t) Parts of line	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	Counter weight(t) Parts of line
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The listed are based on crane parking on a firm and solid ground and the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 5/9															
Auxiliary hook, main boom 22~61 m, jib 31 m, boom to jib angle 10°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
16	7.3	7.3													16
18	7.1	7.1	7.1	7.1	7.0										18
20	6.8	6.8	6.9	6.9	6.8	6.8	6.8	6.8							20
22	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4			22
24	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.0	24
26	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.9	26
28	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	28
30	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.7	30
32	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	32
34	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	34
36	5.1	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	36
38	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	38
40	4.7	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.1	5.1	40
42	4.5	4.6	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.0	4.9	5.0	5.0	5.0	42
44	4.3	4.5	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.9	44
46	4.2	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	46
48	4.0	4.2	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	48
50		4.0	4.2	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	50
52		3.9	4.1	4.2	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	52
54			3.9	4.1	4.2	4.3	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.3	54
56				3.9	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.2	4.2	4.2	56
58					4.0	4.1	4.2	4.1	4.2	4.2	4.1	4.1	4.1	4.0	58
60					3.9	3.9	4.1	3.9	4.0	4.1	4.0	4.0	4.0	3.8	60
62							3.9	3.8	3.8	3.9	3.9	3.9	3.8	3.5	62
64							3.6	3.6	3.6	3.7	3.7	3.7	3.5	3.2	64
66									3.3	3.5	3.5	3.4	3.2	3.0	66
68									3.1	3.3	3.3	3.1	2.9	2.7	68
70									2.9	3.1	3.1	2.9	2.6	2.4	70
72										2.9	2.8	2.6	2.4	2.2	72
74												2.4	2.2		74
76												2.2	2.1		76
78												2.1			78
Counter weight(t) Parts of line	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	51.3+20	Counter weight(t) Parts of line
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 6/9															
Auxiliary hook, main boom 22~61 m, jib 13 m, boom to jib angle 30°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
12	23.5	23.1													12
14	22.7	22.3	22.1	21.9	21.8										14
16	21.8	21.5	21.4	21.3	21.2	21.1	21.0	20.9							16
18	20.5	20.2	20.1	20.1	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.3			18
20	19.6	19.3	19.2	19.1	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.1	17.6	20
22	18.7	18.4	18.1	17.9	17.8	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.6	22
24	17.9	17.6	17.3	17.1	16.9	16.8	16.7	16.6	16.5	16.4	16.2	16.1	15.9	15.7	24
26	17.2	16.8	16.5	16.3	16.1	16.0	15.8	15.7	15.6	15.5	15.3	15.2	14.8	14.4	26
28	16.5	16.1	15.8	15.6	15.5	15.4	15.2	15.1	15.0	14.9	14.5	14.0	13.6	13.2	28
30	15.7	15.3	15.0	14.9	14.8	14.6	14.4	14.3	14.2	13.8	13.4	13.0	12.6	12.2	30
32	14.5	14.0	14.2	14.0	13.9	13.8	13.6	13.4	13.3	12.8	12.5	12.1	11.7	11.3	32
34		13.1	13.0	12.9	12.7	12.7	12.5	12.3	12.2	12.0	11.6	11.2	10.9	10.5	34
36		12.2	12.1	11.9	11.8	11.7	11.5	11.3	11.2	11.0	10.9	10.7	10.1	9.8	36
38			11.2	11.0	10.9	10.9	10.6	10.4	10.3	10.1	10.0	9.8	9.7	9.1	38
40				10.2	10.1	10.1	9.8	9.7	9.5	9.3	9.2	9.1	8.9	8.7	40
42					9.4	9.4	9.1	8.9	8.8	8.6	8.5	8.3	8.2	8.0	42
44					8.7	8.7	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.4	44
46						8.1	7.9	7.7	7.6	7.4	7.3	7.1	6.9	6.8	46
48							7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	48
50								6.7	6.5	6.4	6.2	6.0	5.9	5.7	50
52									6.1	5.9	5.7	5.6	5.4	5.2	52
54									5.6	5.4	5.3	5.1	4.9	4.7	54
56										5.0	4.8	4.7	4.5	4.3	56
58											4.4	4.3	4.1	3.9	58
60												3.9	3.7	3.6	60
62												3.6	3.4	3.2	62
64													3.0	2.9	64
66														2.6	66
Counter weight(t) Parts of line	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	Counter weight(t) Parts of line

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 7/9															
Auxiliary hook, main boom 22~61 m, jib 19 m, boom to jib angle 30°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
16	14.7	14.5													16
18	14.3	14.2	14.2	14.1	14.1										18
20	13.9	13.8	13.8	13.8	13.8	13.8	13.9	13.8							20
22	13.4	13.3	13.5	13.6	13.6	13.4	13.4	13.3	13.2	13.2	13.1	13.1			22
24	13.0	12.9	13.1	13.2	13.0	12.8	12.9	12.8	12.8	12.7	12.7	12.7	12.6	12.6	24
26	12.6	12.5	12.8	12.7	12.6	12.5	12.4	12.4	12.3	12.2	12.3	12.3	12.2	12.2	26
28	12.2	12.1	12.3	12.2	12.1	11.9	12.0	12.0	11.9	11.9	11.9	11.9	11.8	11.9	28
30	11.7	11.6	11.9	11.8	11.7	11.6	11.6	11.6	11.5	11.5	11.5	11.6	11.5	11.5	30
32	11.3	11.1	11.3	11.3	11.1	11.1	11.0	11.1	11.1	11.2	11.2	11.2	11.1	11.0	32
34	10.8	10.5	10.6	10.6	10.5	10.4	10.5	10.6	10.5	10.8	10.8	10.8	10.6	10.4	34
36	10.2	9.9	9.8	9.9	9.8	9.9	10.0	10.1	10.1	10.3	10.5	10.3	10.0	9.7	36
38	9.6	9.3	9.2	9.3	9.2	9.5	9.6	9.8	9.8	10.0	10.1	9.7	9.4	9.1	38
40		8.6	8.6	8.8	8.6	9.1	9.3	9.5	9.4	9.5	9.6	9.1	8.8	8.5	40
42		8.0	8.0	8.4	8.2	8.8	9.1	9.1	9.0	9.0	8.8	8.6	8.4	7.9	42
44			7.8	7.9	8.0	8.3	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.5	44
46				7.2	7.6	7.9	8.2	8.0	7.9	7.7	7.6	7.5	7.3	7.0	46
48					7.5	7.7	7.7	7.5	7.3	7.2	7.0	6.9	6.8	6.6	48
50					7.3	7.3	7.3	7.0	6.8	6.7	6.5	6.4	6.2	6.0	50
52						6.9	6.8	6.5	6.3	6.2	6.1	5.9	5.8	5.6	52
54							6.2	6.1	5.9	5.8	5.6	5.5	5.3	5.1	54
56								5.6	5.5	5.4	5.2	5.0	4.9	4.7	56
58									5.1	5.0	4.8	4.6	4.5	4.3	58
60									4.7	4.6	4.4	4.3	4.1	3.9	60
62										4.2	4.1	3.9	3.8	3.6	62
64											3.7	3.6	3.4	3.2	64
66												3.3	3.1	2.9	66
68												2.9	2.8	2.6	68
70													2.5	2.3	70
72														2.1	72
Counter weight(t) Parts of line	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 2	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	Counter weight(t) Parts of line

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 8/9															
Auxiliary hook, main boom 22~61 m, jib 25 m, boom to jib angle 30°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
20	9.8	9.8													20
22	9.5	9.5	9.5	9.4	9.4										22
24	9.2	9.2	9.3	9.1	9.2	9.2	9.2	9.1							24
26	8.9	8.9	9.0	8.8	9.0	9.0	9.0	8.8	8.7	8.6	8.5	8.4			26
28	8.6	8.6	8.7	8.6	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.8	28
30	8.3	8.3	8.4	8.4	8.5	8.4	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	30
32	8.0	8.0	8.1	8.2	8.2	8.2	8.0	8.0	7.9	7.8	7.7	7.6	7.6	7.4	32
34	7.7	7.7	7.8	8.0	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.2	34
36	7.4	7.5	7.6	7.7	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.0	36
38	7.2	7.2	7.3	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.0	6.9	6.8	38
40	7.0	7.0	7.1	7.3	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.9	6.8	6.6	40
42	6.8	6.8	6.9	7.1	7.0	6.9	6.9	7.0	6.9	6.9	6.8	6.8	6.7	6.4	42
44	6.6	6.6	6.7	6.8	6.7	6.7	6.7	6.8	6.8	6.8	6.7	6.7	6.6	6.2	44
46		6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.7	6.7	6.6	6.6	6.5	6.1	46
48		6.2	6.1	6.0	6.1	6.3	6.4	6.5	6.6	6.6	6.5	6.5	6.4	6.0	48
50			5.9	5.6	5.8	6.1	6.3	6.4	6.5	6.5	6.4	6.3	6.2	5.9	50
52				5.3	5.5	5.9	6.2	6.2	6.3	6.3	6.2	6.1	6.0	5.7	52
54					5.2	5.7	6.1	6.0	6.1	6.0	5.9	5.8	5.6	5.4	54
56					5.0	5.5	5.9	5.8	5.8	5.6	5.5	5.4	5.2	5.0	56
58						5.3	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.6	58
60							5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	60
62									4.6	4.6	4.4	4.2	4.1	3.8	62
64									4.2	4.2	4.0	3.8	3.7	3.5	64
66									4.0	3.8	3.6	3.4	3.3	3.1	66
68										3.4	3.4	3.1	3.0	2.9	68
70												2.9	2.8	2.7	70
72												2.6	2.5	2.4	72
74												2.3			74
Counter weight(t) Parts of line	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	Counter weight(t) Parts of line

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Unit: t

FJ Load Chart

SCC1350A crawler crane – FJa working condition load table 9/9															
Auxiliary hook, main boom 22~61 m, jib 31 m, boom to jib angle 30°															
Jib length (m) Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Jib length (m) Radius (m)
24	5.5	5.5													24
26	5.2	5.3	5.3	5.3	5.2										26
28	5.0	5.1	5.1	5.1	5.1	5.3	5.2	5.2							28
30	4.9	4.9	4.9	5.0	4.9	5.1	5.0	5.0	5.0	5.0	5.1	5.1			30
32	4.6	4.7	4.7	4.8	4.8	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	32
34	4.5	4.6	4.6	4.7	4.6	4.8	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	34
36	4.3	4.4	4.4	4.5	4.5	4.7	4.6	4.6	4.6	4.7	4.7	4.8	4.8	4.8	36
38	4.3	4.3	4.3	4.4	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7	38
40	4.1	4.2	4.2	4.3	4.2	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.6	40
42	4.0	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.5	4.5	4.5	42
44	4.0	4.0	4.0	4.0	4.0	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.4	44
46	3.9	4.0	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	46
48	3.8	3.9	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.2	4.2	4.2	48
50	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.1	4.1	4.1	4.1	50
52		3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.0	4.0	52
54		3.6	3.6	3.7	3.8	3.7	3.7	3.9	3.8	3.9	3.9	4.0	3.9	3.9	54
56			3.5	3.6	3.7	3.7	3.7	3.8	3.7	3.8	3.8	3.9	3.8	3.8	56
58				3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	58
60					3.5	3.5	3.5	3.6	3.7	3.6	3.6	3.6	3.6	3.6	60
62						3.4	3.4	3.4	3.6	3.5	3.5	3.5	3.5	3.4	62
64						3.3	3.3	3.3	3.5	3.4	3.4	3.4	3.4	3.2	64
66							3.2	3.2	3.4	3.3	3.3	3.3	3.3	3.1	66
68								3.1	3.3	3.2	3.2	3.1	3.2	3.0	68
70									3.2	3.1	3.1	2.9	3.0	2.8	70
72									3.1	3.0	2.9	2.7	2.8	2.6	72
74										2.9	2.7	2.5	2.5	2.4	74
76											2.5	2.3	2.2	2.1	76
Counter weight(t) Parts of line	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	51.3+20 1	Counter weight(t) Parts of line

- Remarks:
1. The actual lifting capacity is the rated lifting capacity minus the weight of the lifting tools, such as hooks etc.
 2. The ratings listed are based on crane parking on a firm and solid ground and lift the object steadily.

Notes



Zhejiang SANY Equipment Co., Ltd.

SANY Industrial Park, No. 2087 Daishan Road, Wuxing District, Huzhou City,
Zhejiang Province, P. R. of China Zip 313028

After-sales Service 400 887 8318

Consulting 400 887 9318

— Agent information —

Due to updated technology, the technical parameters and configurations are subject to change without prior notice. The machine in the picture may include additional equipment. This album is for reference only, subject to the object.

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