SCC750A

SANY Crawler Crane
75 Tons Lifting Capacity

Quality Changes the World

Crawler Crane Series
SCC750A

A

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Main Characteristics

Operator'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 high-strength tampered 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 brings the most comfortable driving experience for the operator. The design of air outlet of air conditioner is more reasonable. Better man-machine interactive interface is realized through integrated 8.4-inch touch screen and programmable key switch. The left console is mounted with slewing/auxiliary load hoist winch hydraulic-controlled cross handle, control buttons, emergency stop, radio and A/C panel; the right console is mounted with main load hoist winch/boom hoist hydraulic-controlled cross handle, as well as ignition and engine throttle buttons. Walking pedal and walking joystick are arranged on the front side. The total layout is more human-friendly.

Closed Circuit Monitoring System

- The optional camera monitoring system can show the wire rope reeving on each winch, surroundings behind counterweight and environment around the machine.

Upperworks

Engine

- Model: ISUZU 6HK1XKSC diesel engine.
- Type: 6-cylinder in linear, direct injection, with turbo charging, water cooling and inter-cooling. Meet Non-Road Emission Regulation of Europe (Tier III), and comply with Non-Road Emission Regulation of China (Tier III).
- Displacement: 7.79L.
- Rated power: 212kW/2000rpm.
- Maximum torque: 1,080N · m/1,500rpm.
- Starter: 24V-5.0kW.
- Battery: Two 12V high capacity batteries connected in series.
- Fuel tank: 400L.

Electrical Control System

- SYIC-2 integrated control system independently developed by SANY is adopted to ensure high system integration and accurate operation. The control system mainly includes power system, engine system, main control system, LMI system, auxiliary and safety monitoring system.
- Main electrical components are from internationally or industrially well-known brands, which can perform standby in such bad environment as in severe low or high temperature, plateau, and sandstorms.
- The controller, monitor and the engine communicate through CAN Bus.

Hydraulic System

- Main pump: adopt open piston pump with large variable displacement, providing oil supply to the main executor;
- Gear pump: dual gear pump for swing, radiator and control circuit;
- Control: the main pump adopts the control type of electrically proportionate positive flow, and the winch motor is piston motor with variable displacement. The operating components are two hydraulically-controlled cross handles and one dual valve for travel pedals to control each executor proportionally.
- Max. pressure of system:
  Main load, aux. load, boom/jib hoist winch and travel system: 32MPa
  Swing system: 20MPa
  Control system: 4.5MPa
- Hydraulic oil tank capacity: 460L.

Swing Mechanism

- Internal-mesh slewing drive can slew the upperworks by 360°.
- Slewing lock: Slewing lock device is installed. When the operation is over or the machine is in transport, the upperworks can be locked tightly.
- Slewing bearing: Single row ball bearing.
- Slewing speed: 0~2.5 rpm.

Main and Aux. 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 and Aux. Load Hoist Mechanism	Drum diameter	520 mm
	Rope speed of main/auxiliary winch	0 ~ 135 m/min
	Wire rope diameter	ϕ22 mm
	Wire rope length of main/auxiliary load hoist	240 m/180 m
	Rated single line pull	7.5 t

Boom Hoist

- Boom hoist winch is driven separately 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	Drum diameter	400 mm
	Boom hoist rope speed	0 ~ 80 m/min
	Wire rope diameter	ϕ20 mm
	Wire rope length of boom hoist	140 m

Counterweight

- Counterweight trays and blocks are stacked for easier assembly and transport.
- Total rear counterweight: 25 t (approximately).
- Rear counterweight: counterweight tray 8.7 t × 1, left counterweight block (1) 4 t × 1, right counterweight block (1) 4 t × 1, left counterweight block (2) 4.15 t × 1, right counterweight block (2) 4.15 t × 1.

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.
- Outrigger cylinders of lowerworks are offered as options.

Crawler Extension and Retraction

- The crawlers can extend and retract via cylinders. During Work Mode, the crawlers must be extended, and be retracted during transport with crawlers on.

Crawler Tensioning

- 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 can prolong the service life.
- They are 800mm wide, and the total amount is 65pcs x 2.

Operating Equipment

- All chords of boom of operating equipment 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. Pendant cables with quick hitch connector that are easy to assemble are offered as options.

Boom

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins.
- Basic boom: 6 m boom top + 6 m boom base.
- Insert: 3 m × 1, 6 m × 1, 9 m × 4.
- Boom length: 12 m ~57 m.

Fixed Jib

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins.
- Basic boom: 4.5 m boom top + +4.5 m boom base.
- Insert: 4.5 m × 2.
- Length of fixed jib: 9 m ~ 18 m.
- Longest boom + jib: 45 m boom + 18 m jib.

Extension Jib

- The extension jib is a welded structure connected to the boom by pins, used for auxiliary hook.
- Extension jib length: 1.1 m .

Hook Block

- 75 t hook block, 5 sheaves.
- 45 t hook block, 3 sheaves.
- 15 t hook, 1 sheave.
- 9 t ball hook.

Safety Device

Installation/working mode switching switch

- In Assembly Mode, certain safety devices are disabled to facilitate crane assembly.
- In Work Mode, all safety limiting devices activate to protect the operation.

Emergency Stop

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

Load Moment Indicator (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 LMU 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.
- Composition: monitor, angle sensor, force sensor and other parts.

Over-hoist Protection of the Main/Auxiliary Load Hoist

- Over-hoist protection device comprises limit switch and weight on boom top, which prevents the hook lifting up too much. When the hook is lifted 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.

Over-release Protection Device of the Main/Auxiliary Load Hoist

- 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 proximity switch acts, and the system sends alarm through buzzer and show the alarm on the monitor, automatically cutting off the winch action.

Function Lock

- 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

- Boom hoist lock is designed to lock the drum when the boom doesn’t need to move, in order to prevent mis-operation. The boom hoist pawl can open and close by control of handle, and when the handle return to neutral position, the pawl will lock the drum automatically to ensure the work safety of boom.

Slewing Lock

- Slewing Lock can lock the upperworks and lowerworks of crane in front, rear, left and right directions.

Boom Limit Device

- When the boom elevation angle reaches the upper limit, the buzzer sounds and boom action is cut off. This protection is two-stage control ensured by both LMI 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 lifting hook is installed with a baffle plate to prevent wire rope from falling off.

Safety Device

Tri-color Load Indicator

- The load indicator light has three colors, i.e., 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. At this moment, the system will automatically cut off the crane's dangerous operation.

Alarm Light

- When the machine is powered on, the alarm light will work when time comes, so as to warn people around.

Swing Indicator Light

- The slewing indicator light flashes during traveling or slewing.

Illuminating Light

- The machine is equipped with short-beam light in front of machine, front angle adjustable far-beam light, lamps in operator's cab, lighting devices for night operation, so as to increase the visibility during work.

Rearview Mirror

- It is installed on the left of the operator's cab and at the front handrail of the sheet metal for monitoring the rear part of the 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 Gauge

- It displays the tipping angle of crane on the monitor in real time and sends out alarm to the operator automatically when the angle is out of limit.

Seat Interlock

- If the operator leaves the seat, all control handles will be locked immediately 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 and voltage.

Monitoring system

- Standard remote monitoring system: It can provide functions like GPS locating, GPRS data transfer, machine status inquiry and statistics, operating data monitoring and analysis, and remote diagnosis of failures.

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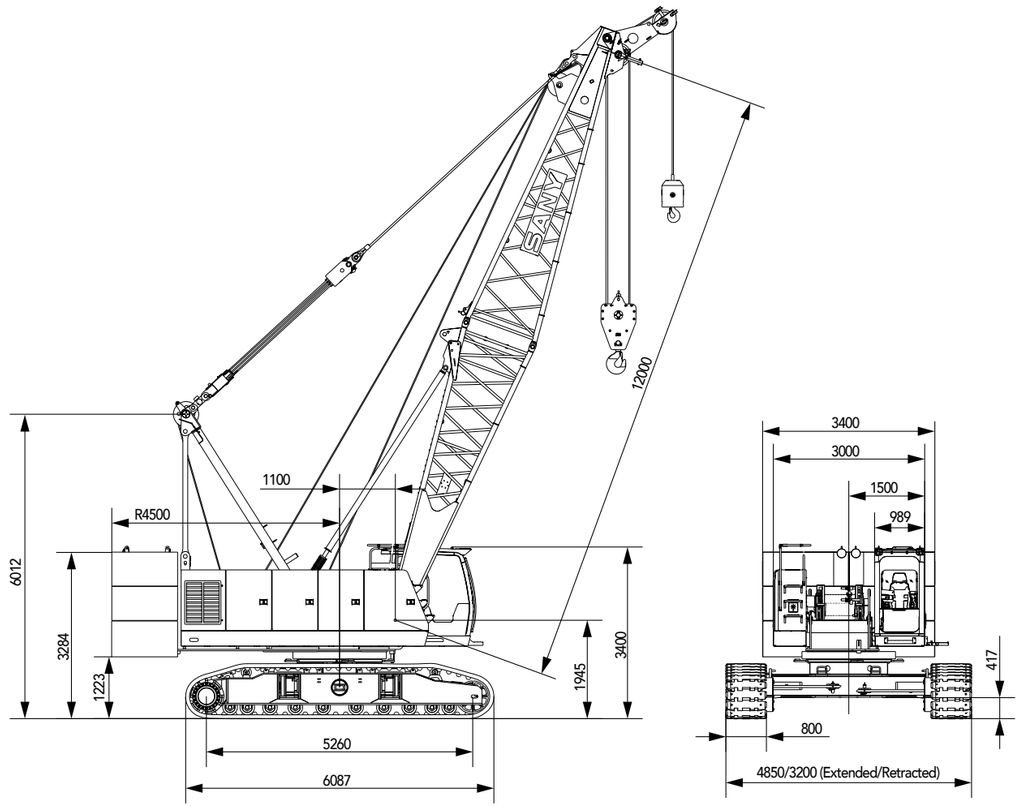
Technical Parameters

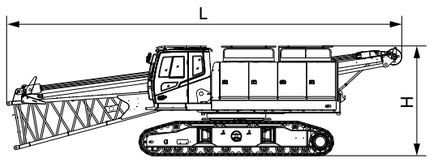
Major Performance & Specifications

Major Performance & Specifications of SCC750A			
Performance Indicators		Unit	Parameter
Boom Configuration	Max. rated lifting capacity	t	75
	Largest lifting moment	t m	288
	Boom length	m	12 ~ 57
	Main boom luffing angle	°	30 ~ 80
Fixed jib	Max. rated lifting capacity	t	7.5
	Jib length	m	9 ~ 18
	Longest boom + jib	m	45+18
Speed	Rope speed of main/auxiliary load hoist winch	m/min	0 ~ 135
	Rope speed of boom hoist winch (3rd layer)	m/min	0 ~ 80
	Swing speed	rpm	0 ~ 2.5
	Travel speed	km/h	0 ~ 1.7
Wire rope	Main load hoist wire rope: Diameter × length	ϕmm × m	ϕ22 × 240
	Auxiliary load hoist wire rope: Diameter × length	ϕmm × m	ϕ22 × 180
	Rated single line pull of main/aux. load hoist wire rope	t	7.5
Engine	Model/Displacement	\L	ISUZU 6HK1\7.79
	Rated power/revolution speed	kW/rpm	212/2000
Transport	Weight of basic boom	t	67
	Rear counterweight	t	25
	Transport weight of basic machine (with crawler frames and boom base)	t	38.2
	Transport weight of basic machine (without crawler frames)	t	22.9
	Machine transport dimension (with crawler frames and boom base) L x W x H	mm	12500×3200×3400
	Machine transport dimension (without crawler frames) L x W x H	mm	12500×3000×3100
Other specifications	Average ground pressure (basic boom)	MPa	0.075
	Gradeability	%	30

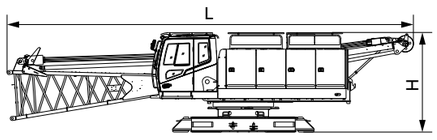
Outline Dimension



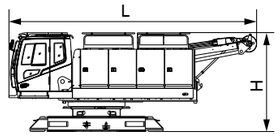
Transport Dimension



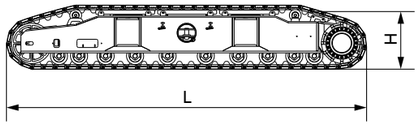
Basic Machine 1 (with boom base and crawler frames)	×1
Length(L)	12.5 m
Width(W)	3.2 m
Height(H)	4.0 m
Weight	38.2 t



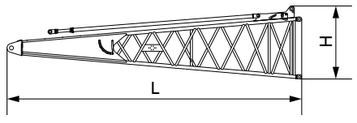
Basic Machine 2 (with boom base)	×1
Length (L)	12.5 m
Width (W)	3.0 m
Height (H)	3.1 m
Weight	22.9 t



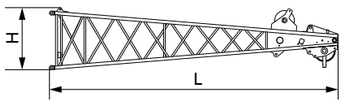
Basic Machine 3	×1
Length (L)	8.1 m
Width (W)	3.0 m
Height (H)	3.1 m
Weight	21.3 t



Crawler frame	×2
Length(L)	6.1 m
Width(W)	1.1 m
Height(H)	1.1 m
Weight	7.7 t

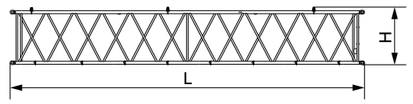


Boom base	×1
Length(L)	6.22 m
Width(W)	1.51 m
Height(H)	1.87 m
Weight	1.66 t

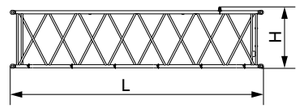


Boom top	×1
Length(L)	6.47 m
Width(W)	1.49 m
Height(H)	1.66 m
Weight	1.24 t

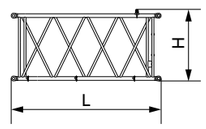
Transport Dimension



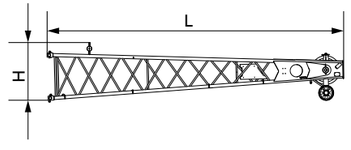
9 m boom	×4
Length(L)	9.13 m
Width(W)	1.51 m
Height(H)	1.56 m
Weight	0.91 t



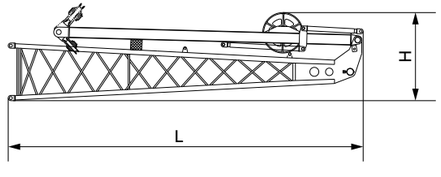
6 m boom	×1
Length (L)	6.14 m
Width (W)	1.51 m
Height (H)	1.56 m
Weight	0.76 t



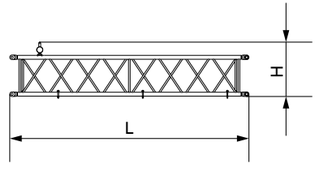
3 m boom	×1
Length (L)	3.14 m
Width (W)	1.51 m
Height (H)	1.56 m
Weight	0.45 t



Fixed jib top	×1
Length(L)	4.93 m
Width(W)	0.87 m
Height(H)	0.92 m
Weight	0.31 t

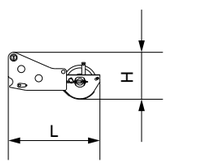


Fixed jib base and strut	×1
Length(L)	4.75 m
Width(W)	0.87 m
Height(H)	1.18 m
Weight	0.75 t

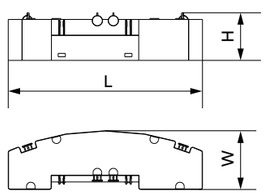


4.5 m fixed jib	×2
Length(L)	4.57 m
Width(W)	0.87 m
Height(H)	0.83 m
Weight	0.24 t

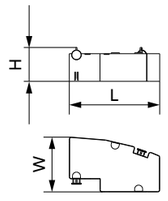
Transport Dimension



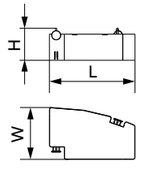
Extension jib	×1
Length (L)	1.55 m
Width (W)	0.96 m
Height (H)	0.82 m
Weight	0.30 t



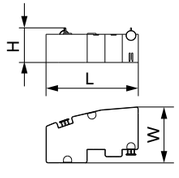
Counterweight tray × 1	×1
Length (L)	3.4 m
Width (W)	1.3 m
Height (H)	0.83 m
Weight	8.7 t



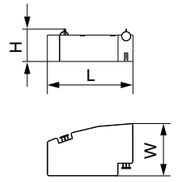
Left counterweight block 1	×1
Length (L)	1.7 m
Width (W)	1.3 m
Height (H)	0.79 m
Weight	4.0 t



Left counterweight block 2	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.79 m
Weight	4.15 t

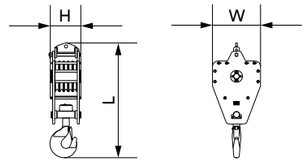


Right counterweight block 1	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.79 m
Weight	4.0 t

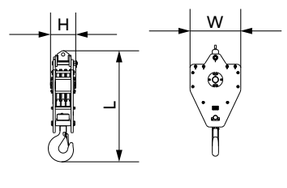


Right counterweight block 2	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.79 m
Weight	4.15 t

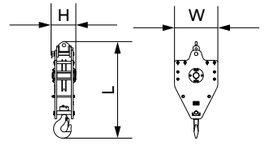
Transport Dimension



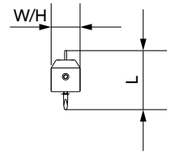
75 T hook	×1
Length(L)	1.75 m
Width(W)	0.69 m
Height(H)	0.43 m
Weight	0.70 t



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



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



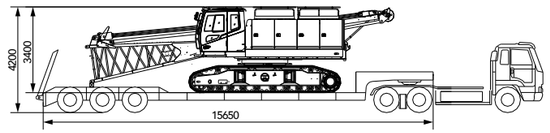
9 T hook	×1
Length(L)	0.75 m
Width(W)	0.37 m
Height(H)	0.37 m
Weight	0.26 t

Note:
① . The transport dimensions of each part in the table are schematic, not proportional to the real parts. The dimensions are designed value without package considered.
② . The Weight is designed value that the actual manufactured part may deviate a little.

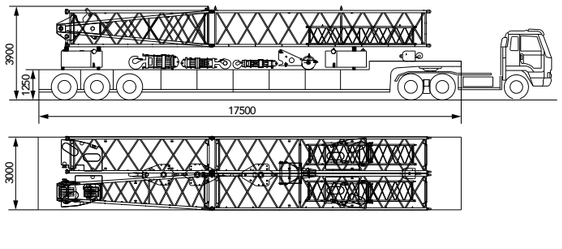
Transport Plan

Plan B: Transport with crawlers.

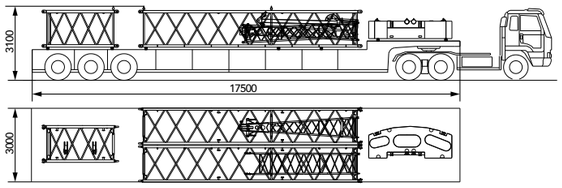
Trailer 1	
Part(s)	▪ Basic Machine
Weight	▪ 38.2 t



Trailer 2	
Part(s)	▪ Boom top × 1 ▪ 9 m boom × 2 ▪ 6 m boom × 1 ▪ 4.5 m fixed jib × 2 ▪ Boom extension jib × 1 ▪ Left counterweight block 1 × 1 ▪ Right counterweight block 1 × 1 ▪ Left counterweight block 2 × 1 ▪ Right counterweight block 2 × 1 ▪ 75 t hook × 1 ▪ 45 t hook × 1 ▪ 15 t hook × 1 ▪ 9 t hook × 1
Weight	▪ 22.7 t



Trailer 3	
Part(s)	▪ Rear counterweight tray × 1 ▪ Fixed jib top × 1 ▪ Fixed jib base × 1 ▪ 9 m boom × 2 ▪ 3 m boom × 1
Weight	▪ 12.1 t



C

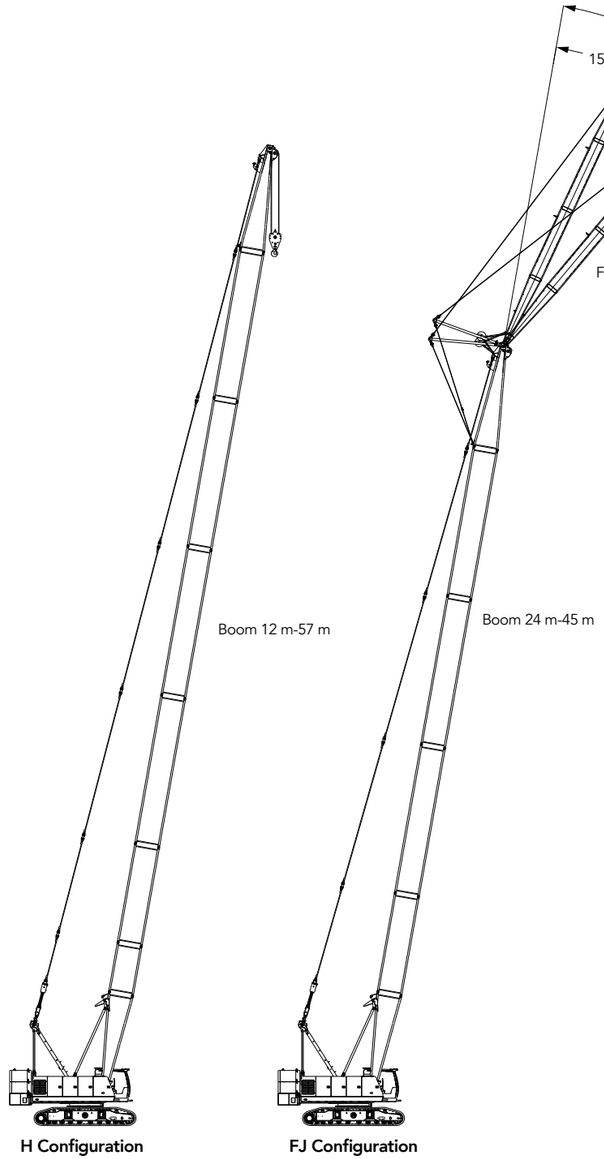
SCC750A
SANY CRAWLER CRANE
75 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Boom Combination

> 17

Boom Combination

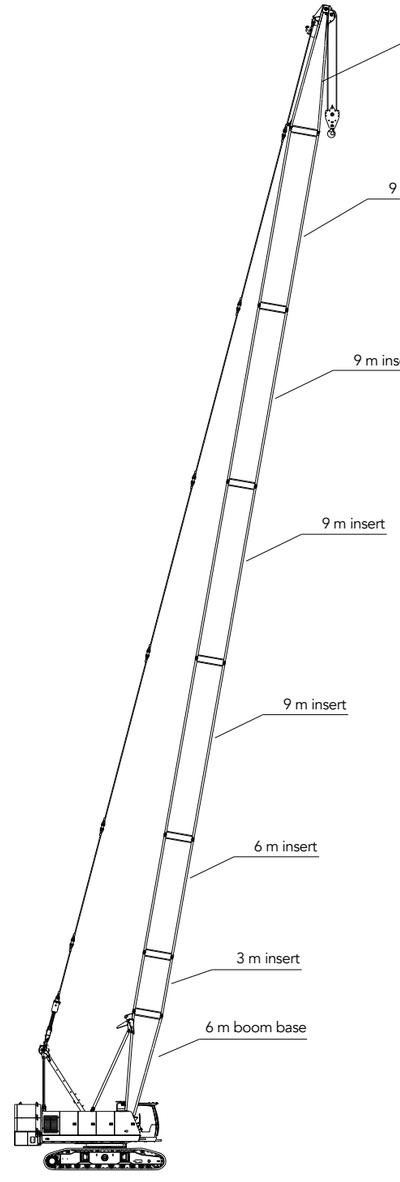


H Configuration FJ Configuration

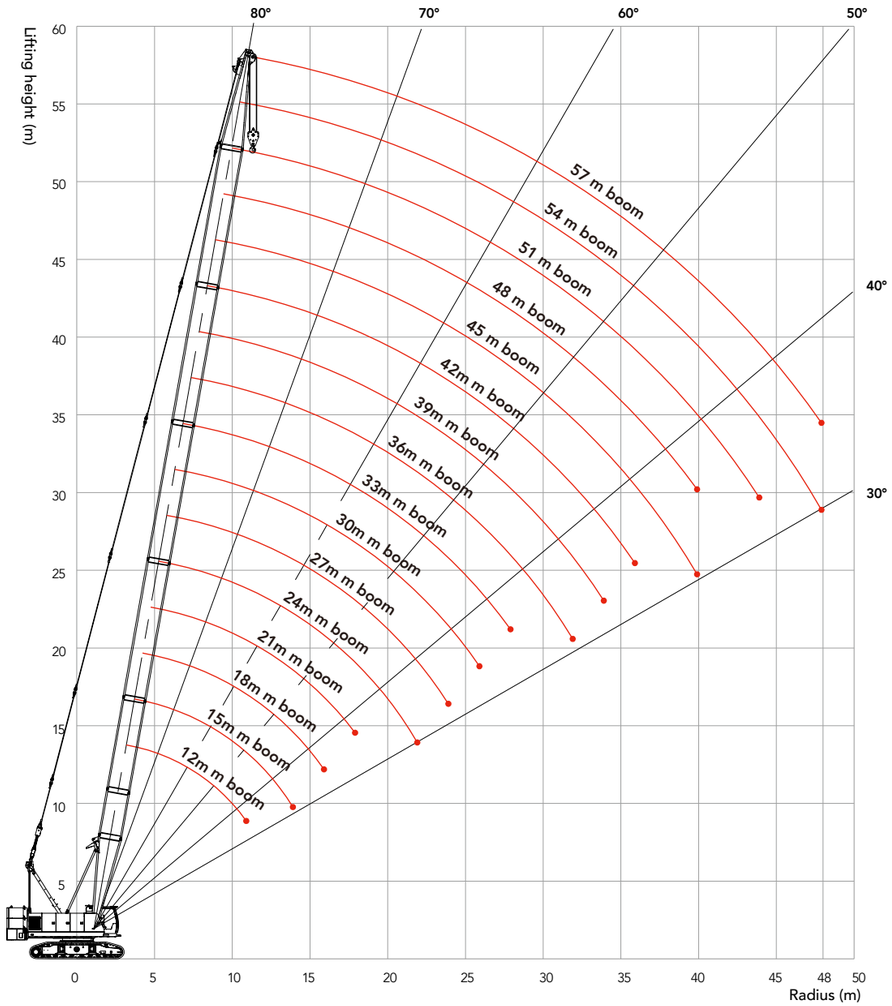
H Configuration

Boom Combination in H Configuration

Boom length (m)	Insert		
	3m	6m	9m
12	-	-	-
15	1	-	-
18	-	1	-
21	-	-	1
24	1	-	1
27	-	1	1
30	1	1	1
	-	-	2
33	1	-	2
36	-	1	2
39	1	1	2
	-	-	3
42	1	-	3
45	-	1	3
48	1	1	3
	-	-	4
51	1	-	4
54	-	1	4
57	1	1	4



Working Radius in H Configuration



Unit: t

Load Chart of H Configuration

SCC750A Crawler Crane – H Configuration 1/2

Boom length: 12 m ~ 57 m Rear counterweight: 25 t

R/BL (m)	12	15	18	21	24	27	30	33	R/BL (m)
3.8	75.0								3.8
4	72.0								4
5	57.5	57.3	56.7						5
6	43.5	42.9	42.5	42.1	41.8				6
7	34.5	34.2	33.9	33.6	33.4	33.1	32.8		7
8	28.6	28.3	28.1	27.9	27.7	27.5	27.2	27.0	8
9	24.4	24.1	24.0	23.8	23.6	23.4	23.2	23.0	9
10	21.2	21.0	20.8	20.7	20.5	20.3	20.2	20.0	10
11	18.7	18.5	18.4	18.2	18.1	17.9	17.8	17.6	11
12		16.6	16.4	16.3	16.2	16.0	15.9	15.7	12
14		13.6	13.5	13.3	13.2	13.1	13.0	12.8	14
16			11.4	11.2	11.1	11.0	10.9	10.8	16
18				9.7	9.6	9.4	9.3	9.2	18
20					8.3	8.2	8.1	8.0	20
22					7.3	7.2	7.1	7.0	22
24						6.4	6.3	6.2	24
26							5.6	5.5	26
28								4.9	28

Unit: t

Load Chart of H Configuration

SCC750A Crawler Crane – H Configuration 2/2

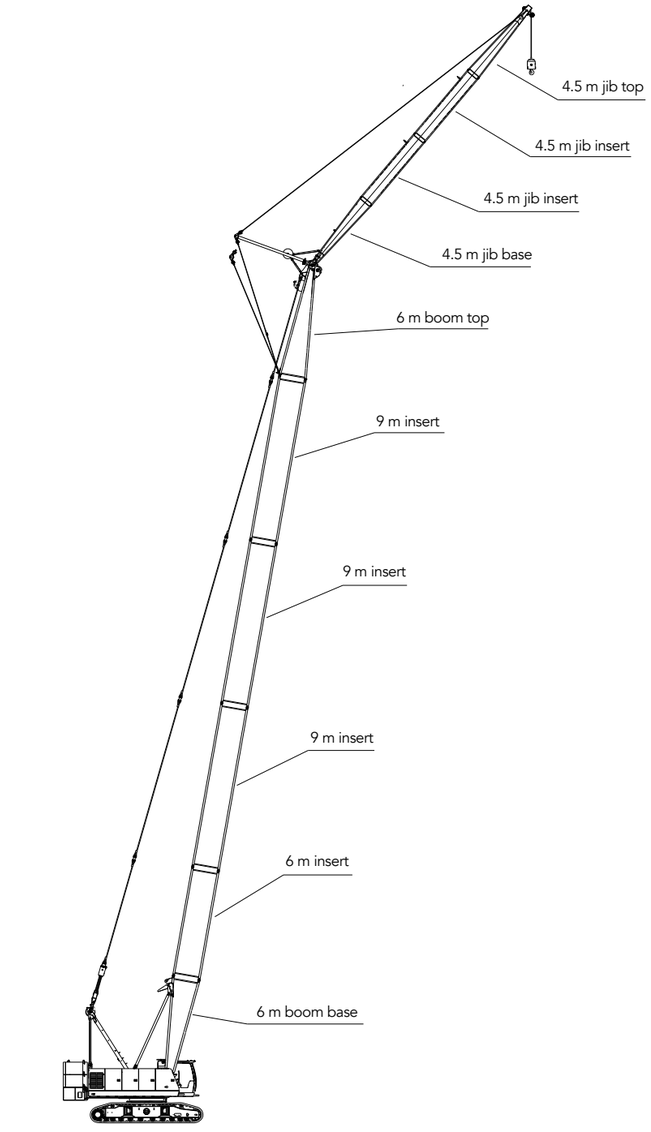
Boom length: 12 m ~ 57 m Rear counterweight: 25 t

R/BL (m)	36	39	42	45	48	51	54	57	R/BL (m)
8	26.8								8
9	22.9	22.7	22.3						9
10	19.9	19.7	19.5	19.4	18.9				10
11	17.5	17.3	17.2	17.0	16.9	16.6	16.2		11
12	15.6	15.4	15.3	15.2	15.0	14.9	14.6	14.3	12
14	12.7	12.6	12.5	12.3	12.2	12.1	11.9	11.8	14
16	10.7	10.5	10.4	10.3	10.1	10.0	9.9	9.8	16
18	9.1	9.0	8.8	8.7	8.6	8.5	8.4	8.2	18
20	7.9	7.7	7.6	7.5	7.4	7.3	7.2	7.0	20
22	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.0	22
24	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.3	24
26	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.6	26
28	4.8	4.7	4.6	4.5	4.4	4.3	4.1	4.0	28
30	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.5	30
32	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	32
34		3.4	3.3	3.2	3.1	3.0	2.9	2.7	34
36			3.0	2.9	2.8	2.7	2.5	2.4	36
38				2.6	2.5	2.4	2.2	2.1	38
40				2.3	2.2	2.1	2.0	1.9	40
44						1.6	1.5	1.4	44
48							1.2	1.0	48

※ Notes: Rated capacity of crawler crane:
① . The rated capacity in the load charts is calculated when the crane is parking on firm and level ground and lifting the load slowly and steadily.
② . The rated capacity values in the load charts are only valid when wind speed is lower than 9.8 m/s.
③ . The rated capacity in the load charts includes the weight of lifting hook, etc.; therefore, the actual rated capacity is the value after deducting the weight of lifting tools (such as lifting hook), from the rated load in the load charts.
④ . The crawlers must be extended during lifting.
⑤ . The values in the load charts are valid for 360° slewing.

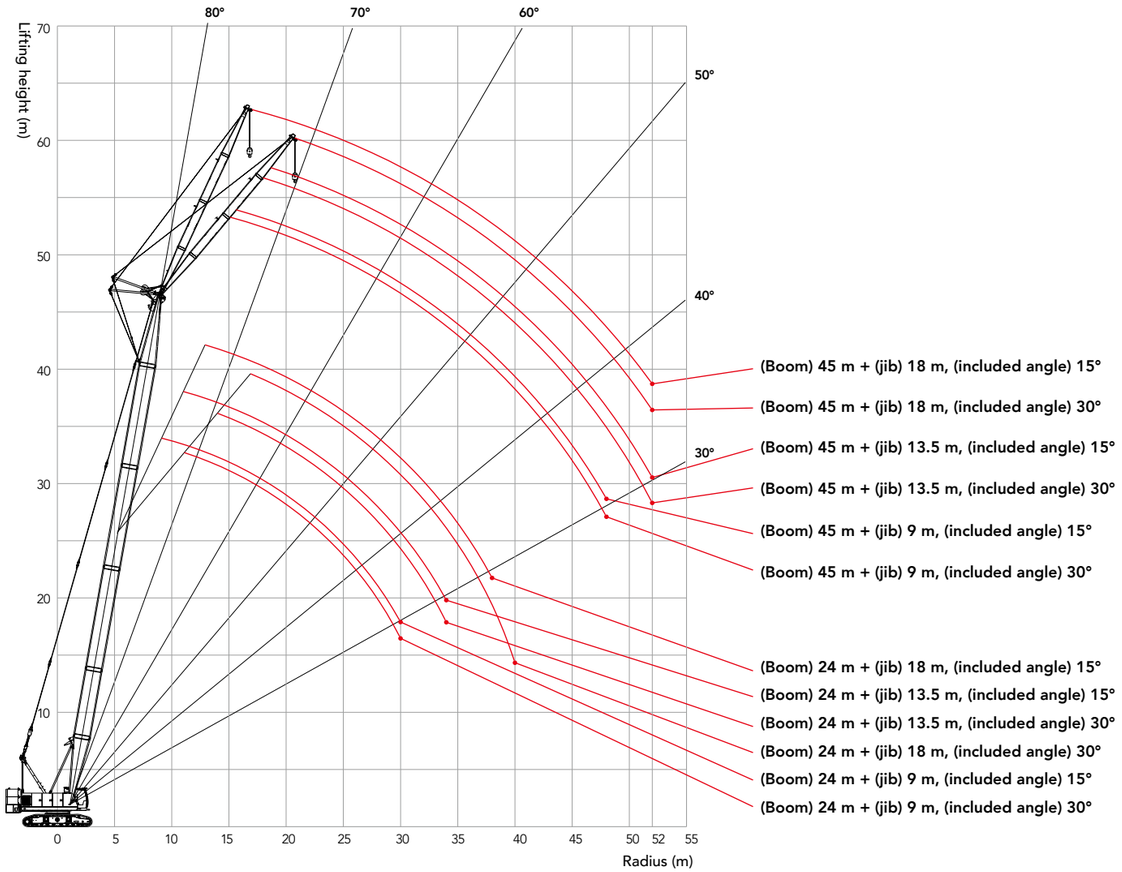
FJ Configuration

FJ Configuration	
Jib Length (m)	Insert 4.5m
9	-
13.5	1
18	2



Longest boom + jib: 45 m + 18 m

Working Radius in FJ Configuration



Unit: t

Load Chart of FJ Configuration

SCC750A Crawler Crane – FJ Configuration 1/4

(Boom: 24 m-45 m, jib: 9 m-18 m) rear counterweight: 25 t, without main hook

R/BL (m)	24						27						R/BL (m)
Jib Length (m)	9		13.5		18		9		13.5		18		Jib Length (m)
Included angle between boom and jib	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	Included angle between boom and jib
10	7.5						7.5						10
12	7.5	7.5	7.5				7.5	7.5	7.5				12
14	7.5	7.5	7.5	7.5	7.5		7.5	7.5	7.5		7.5		14
16	7.5	7.5	7.5	7.3	7.5		7.5	7.5	7.5	7.3	7.5		16
18	7.5	7.5	7.5	6.9	7.5	5.5	7.5	7.5	7.5	6.9	7.5	5.5	18
20	7.5	7.5	7.5	6.6	7.3	5.2	7.5	7.5	7.5	6.6	7.3	5.2	20
22	7.3	7.4	7.4	6.3	6.8	5.0	7.2	7.3	7.3	6.3	6.8	5.0	22
24	6.4	6.5	6.5	6.0	6.3	4.8	6.3	6.5	6.5	6.0	6.3	4.8	24
26	5.7	5.8	5.8	5.8	5.9	4.6	5.6	5.7	5.8	5.8	5.8	4.6	26
28	5.1	5.2	5.2	5.4	5.3	4.4	5.0	5.1	5.2	5.3	5.2	4.4	28
30	4.6	4.6	4.7	4.8	4.8	4.3	4.5	4.6	4.7	4.8	4.7	4.3	30
32			4.3	4.4	4.4	4.1	4.1	4.1	4.2	4.3	4.3	4.1	32
34			3.9	3.9	4.0	4.0			3.8	3.9	3.9	4.0	34
36					3.6	3.7			3.5	3.5	3.5	3.6	36
38					3.3	3.4				3.2	3.2	3.3	38
40						3.0					2.9	3.0	40

Unit: t

Load Chart of FJ Configuration

SCC750A Crawler Crane – FJ Configuration 2/4

(Boom: 24 m - 45 m, jib: 9 m - 18 m) rear counterweight: 25t, without main hook

R/BL (m)	30						33						R/BL (m)
Jib Length (m)	9		13.5		18		9		13.5		18		Jib Length (m)
Included angle between boom and jib	15	30	15	30	15	30	15	30	15	30	15	30	Included angle between boom and jib
12	7.5						7.5						12
14	7.5	7.5	7.5		7.5		7.5	7.5	7.5				14
16	7.5	7.5	7.5	7.3	7.5		7.5	7.5	7.5	7.3	7.5		16
18	7.5	7.5	7.5	6.9	7.5	5.5	7.5	7.5	7.5	6.9	7.5		18
20	7.5	7.5	7.5	6.6	7.3	5.2	7.5	7.5	7.5	6.6	7.3	5.2	20
22	7.0	7.2	7.2	6.3	6.8	5.0	6.9	7.1	7.1	6.3	6.8	5.0	22
24	6.2	6.3	6.3	6.0	6.3	4.8	6.1	6.2	6.2	6.0	6.3	4.8	24
26	5.5	5.6	5.6	5.8	5.7	4.6	5.4	5.5	5.5	5.7	5.6	4.6	26
28	4.9	5.0	5.0	5.2	5.1	4.4	4.8	4.9	4.9	5.1	5.0	4.4	28
30	4.4	4.5	4.5	4.6	4.6	4.3	4.3	4.4	4.4	4.6	4.5	4.3	30
32	3.9	4.0	4.1	4.2	4.1	4.1	3.8	3.9	4.0	4.1	4.0	4.1	32
34	3.5	3.6	3.7	3.8	3.7	3.9	3.4	3.5	3.6	3.7	3.6	3.8	34
36		3.2	3.3	3.4	3.4	3.5	3.1	3.1	3.2	3.3	3.3	3.4	36
38			3.0	3.1	3.1	3.2	2.7	2.8	2.9	3.0	3.0	3.1	38
40			2.7	2.7	2.8	2.9			2.6	2.7	2.7	2.8	40
44					2.3	2.3					2.2	2.2	44

Unit: t

Load Chart of FJ Configuration

SCC750A Crawler Crane – FJ Configuration 3/4

(Boom: 24 m - 45 m, jib: 9 m - 18 m) rear counterweight: 25t, without main hook

R/BL (m)	36						39						R/BL (m)
Jib Length (m)	9		13.5		18		9		13.5		18		Jib Length (m)
Included angle between boom and jib	15	30	15	30	15	30	15	30	15	30	15	30	Included angle between boom and jib
12	7.5						7.5						12
14	7.5	7.5	7.5				7.5	7.5	7.5				14
16	7.5	7.5	7.5		7.5		7.5	7.5	7.5		7.5		16
18	7.5	7.5	7.5	6.9	7.5		7.5	7.5	7.5	6.9	7.5		18
20	7.5	7.5	7.5	6.6	7.3	5.2	7.5	7.5	7.5	6.6	7.3	5.2	20
22	6.8	7.0	7.0	6.3	6.8	5.0	6.7	6.9	6.9	6.3	6.8	5.0	22
24	6.0	6.1	6.1	6.0	6.2	4.8	5.9	6.1	6.0	6.0	6.1	4.8	24
26	5.3	5.4	5.4	5.6	5.5	4.6	5.2	5.3	5.3	5.6	5.4	4.6	26
28	4.7	4.8	4.8	5.0	4.9	4.4	4.6	4.7	4.7	4.9	4.8	4.4	28
30	4.2	4.3	4.3	4.5	4.4	4.3	4.1	4.2	4.2	4.4	4.3	4.3	30
32	3.7	3.8	3.9	4.0	3.9	4.1	3.7	3.8	3.8	3.9	3.9	4.1	32
34	3.3	3.4	3.5	3.6	3.5	3.7	3.2	3.3	3.4	3.5	3.5	3.7	34
36	3.0	3.0	3.1	3.2	3.2	3.4	2.9	3.0	3.0	3.2	3.1	3.3	36
38	2.6	2.7	2.8	2.9	2.9	3.0	2.5	2.6	2.7	2.8	2.8	3.0	38
40	2.3	2.4	2.5	2.6	2.6	2.7	2.3	2.3	2.4	2.5	2.5	2.6	40
44			2.0	2.0	2.1	2.2		1.8	1.9	1.9	2.0	2.1	44
48					1.6	1.7			1.4	1.5	1.5	1.6	48
52											1.1	1.2	52

Unit: t

Load Chart of FJ Configuration

SCC750A Crawler Crane – FJ Configuration 4/4

(Boom: 24 m-45 m, jib: 9 m-18 m) rear counterweight: 25 t, without main hook

R/BL (m)	42						45						R/BL (m)
Jib Length (m)	9		13.5		18		9		13.5		18		Jib Length (m)
Included angle between boom and jib	15	30	15	30	15	30	15	30	15	30	15	30	Included angle between boom and jib
14	7.5						7.5						14
16	7.5	7.5	7.5				7.5	7.5	7.5				16
18	7.5	7.5	7.5	6.9	7.5		7.5	7.5	7.5	6.9	7.5		18
20	7.5	7.5	7.5	6.6	7.3		7.5	7.5	7.5	6.6	7.3		20
22	6.6	6.8	6.8	6.3	6.8	5.0	6.5	6.7	6.7	6.3	6.8	5.0	22
24	5.8	6.0	5.9	6.0	6.0	4.8	5.7	5.9	5.8	6.0	5.9	4.8	24
26	5.1	5.3	5.2	5.5	5.3	4.6	5.0	5.2	5.1	5.4	5.2	4.6	26
28	4.5	4.6	4.6	4.9	4.7	4.4	4.4	4.6	4.5	4.8	4.6	4.4	28
30	4.0	4.1	4.1	4.3	4.2	4.3	3.9	4.0	4.0	4.2	4.1	4.3	30
32	3.5	3.7	3.7	3.8	3.8	4.0	3.4	3.6	3.6	3.8	3.7	3.9	32
34	3.1	3.2	3.3	3.4	3.4	3.6	3.0	3.1	3.2	3.3	3.3	3.5	34
36	2.8	2.9	2.9	3.1	3.0	3.2	2.6	2.8	2.8	3.0	2.9	3.1	36
38	2.4	2.5	2.6	2.7	2.7	2.9	2.3	2.4	2.5	2.6	2.6	2.8	38
40	2.1	2.2	2.3	2.4	2.4	2.6	2.0	2.1	2.2	2.3	2.3	2.5	40
44	1.6	1.7	1.8	1.8	1.8	2.0	1.5	1.6	1.6	1.7	1.7	1.9	44
48			1.3	1.4	1.4	1.5	1.1	1.1	1.2	1.3	1.3	1.4	48
52					1.0	1.1			0.8	0.9	0.9	1.0	52

※ Notes: Rated capacity of crawler crane:
① . The rated capacity in the load charts is calculated when the crane is parking on firm and level ground and lifting the load slowly and steadily.
② . The rated capacity values in the load charts are only valid when wind speed is lower than 9.8 m/s.
③ . The rated capacity in the load charts includes the weight of lifting hook, etc.; therefore, the actual rated capacity is the value after deducting the weight of lifting tools (such as lifting hook), from the rated load in the load charts.
④ . The crawlers must be extended during lifting.
⑤ . The values in the load charts are valid for 360° slewing.

Notes

Notes

Zhejiang SANY Equipment Co., Ltd.

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