



SCC750A

Crawler Crane

75 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 288t·m
Max. boom length: 57m
Max. fixed jib combination: 45m+18m

The parameters and diagrams in the brochure is only for reference, which is subject to further update in real machine.



Crawler Crane Series
SCC750A

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Technical
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SCC750A
SANY CRAWLER CRANE
75 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Main Characteristics

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Product Specification



Engine

- Model: ISUZU 6HK1 Diesel engine;
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with European Off-way Tier III Emission Standard and Chinese Off-way Tier III Emission Standard;
- Displacement: 7.79L;
- Rated power: 212kW/2000rpm;
- Operation power: 200kW/1800rpm;
- Max. Torque: 1080N·m/1500rpm;
- Starter: 24V-5.0kW;
- Radiator: fin type aluminum plate core;
- Air cleaner: Dry type system with main filter element, safety element and resistance indicator;
- Throttle: Grip type hand throttle, electrically-controlled;
- Fuel filter: Replaceable paper element;
- Batteries: Two 12V×180Ah capacity batteries, connected in series;
- Fuel tank capacity: 400L.

Electrical Control System

- Self-developed SYIC-II integrated control system is adopted with higher integration, precise operation and reliable quality;
- Control system consists of power system, engine system, main control system, LMI system, auxiliary system and safety monitoring system. CAN BUS is used for data communication between controller, monitor and the engine;
- Monitor: the working parameters and status are shown on the monitor, such as the engine speed, fuel volume, engine oil pressure, servo pressure, wind speed, engine working hours, lifting conditions and boom angle.

Hydraulic System

- Main pumps: open variable displacement piston pumps of large displacement are adopted to provide oil supply for main actuators of main machine;
- Gear pump: dual gear pump for swing, radiator and control circuit;
- Control: main pump adopts electrically-controlled positive flow control; winch motor adopts limitless adjustable piston motor of variable displacement. The operating components are two cross hydraulic handle, one dual travel pedal control valve to control various actuators proportionally;
- Way of cooling: heat exchanger, fan core and multi-stage cooling;
- Filter: large flow, high precision filter, with bypass valve and transmitter, which can remind the user to replace the filter element in time;
- Max. pressure of system: 32 Mpa;
- Main/aux. load hoist and travel system: 32Mpa;
- Swing system: 20 MPa;
- Control system: 5 MPa;
- Hydraulic Tank Capacity: 260L.

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;
- Free fall for main/aux. load hoist are offered as optional.

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/150 m
	Rated single line pull	7.5 t

Product Specification



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	122 m

Swing Mechanism

- Swing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force;
- Swing system, equipped with integrated swing buffer valve, has free slipping function. It is featured in steady starting and control, and excellent inching function. Unique swing buffer design and steadier brake;
- Swing drive: internal engaged swing drive with 360° swing range, and the max. swing speed is 2.5r/min. The max. drive pressure can reach 20MPa;
- Swing lock: mechanical lock can ensure the upperworks locked securely after work or during transport;
- Swing ring: single row ball bearing.

Cab and Control

- Novel operator's cab with fashionable profile and nice interior. There are low and high-beam lights, back-view mirror, heater and A/C, radio and other functions. The layout of seat, handles, control buttons are designed with ergonomic principles to make operation more comfortable;
- Cab layout: Integrated 8.4-inch touch screen and man-machine interaction interface are more perfect;
- Armrest box: on the left and right armrest box are control handles, electrical switches, emergent stop and ignition switch. The armrest box can be adjusted along with the seat;
- Seat: multi-way and multi-level floating adjustable seat with unload switch;
- A/C: cool and heat air; optimized air channels and vents;
- Multiple cameras can present on the monitor at the same time to realize real-time monitoring of wire rope on each winch, conditions behind the counterweight and surrounding the machine.

Counterweight

- Counterweight trays and blocks are stacked for easier assembly and transport;
- Total rear counterweight: 25 t (approximately);
- Rear counterweight: counterweight tray 9.2t, left counterweight block (1) 3.9t x1, right counterweight block (1) 3.9t x1; left counterweight block (2) 4.0t x1, right counterweight block (2) 4.0t x1.

Upperworks

- High-strength steel weld framework, with no torsion or deformation. The parts are laid out in the way that is easier for maintenance and service.

Product Specification



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: 6m boom top+6m boom base;
- Insert: 3m×1,6m×1,9m×4;
- Boom length: 12m ~57m.

Fixed Jib

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

Extension Jib

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

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 LMI 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.



SCC750A SANY CRAWLER CRANE 75 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Technical Parameters

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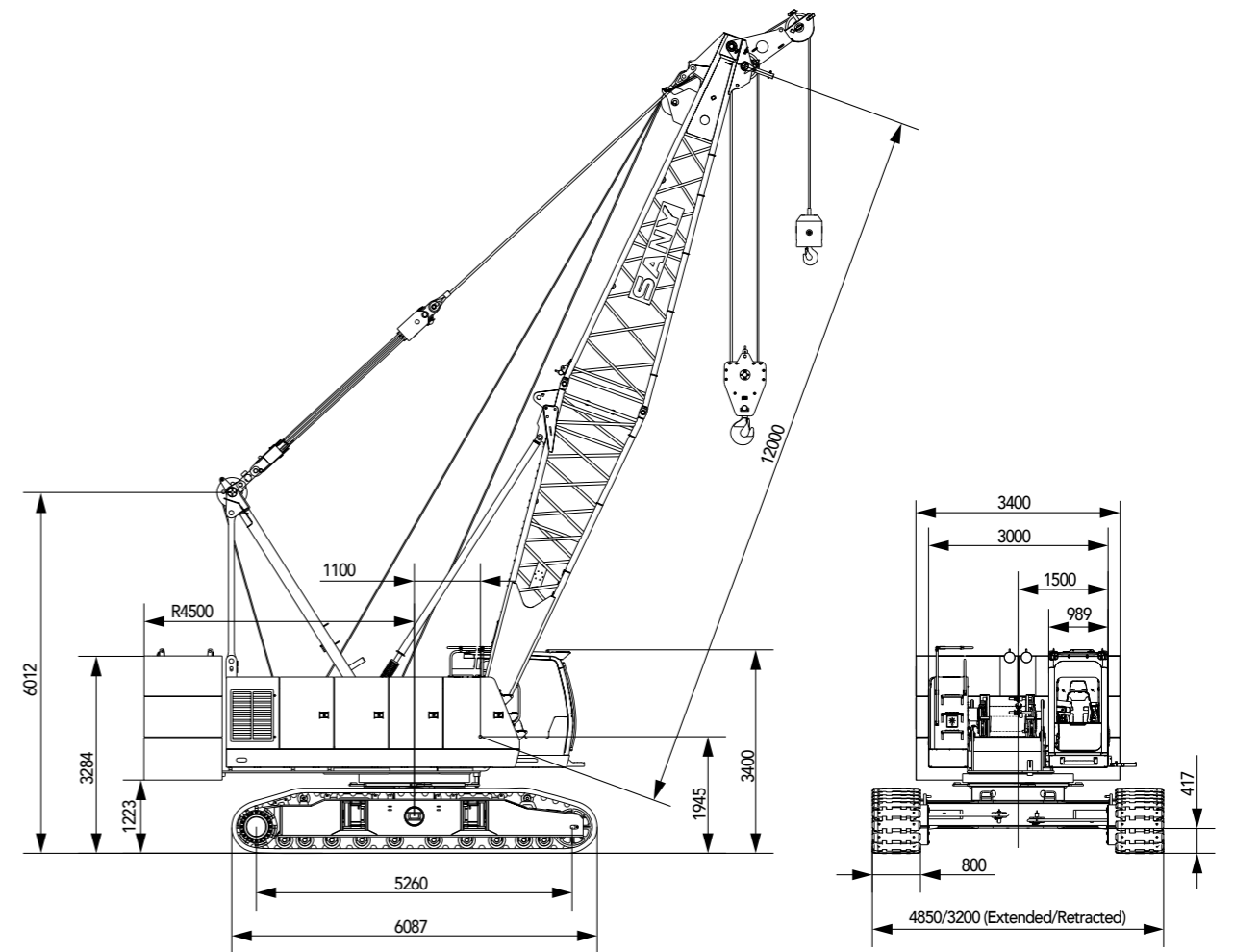


Major Performance & Specifications

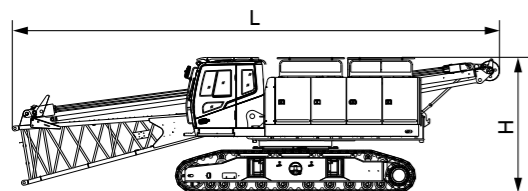
Major Performance & Specifications of SCC750A			
Performance Indicators		Unit	Parameter
Boom Configuration	Max. rated lifting capacity	t	75
	Largest lifting moment	t m	288
	Boom length	m	12 ~ 57
	Main boom luffing angle	°	30 ~ 80
Fixed jib	Max. rated lifting capacity	t	7.5
	Jib length	m	9 ~ 18
	Longest 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 × 150
	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 machine with basic boom	t	67
	Rear counterweight	t	25
	Transport weight of basic machine (with crawler frames and boom base)	t	39.7
	Transport weight of basic machine (without crawler frames)	t	23.9
	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

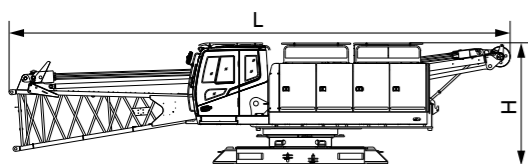
Unit: mm



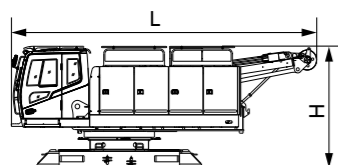
Transport Dimension



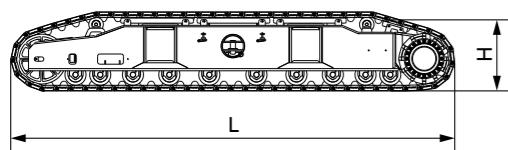
Basic Machine 1 (with boom base and crawler frames)	×1
Length(L)	12.5 m
Width(W)	3.2 m
Height(H)	3.4 m
Weight	39.7 t



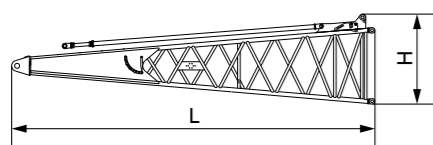
Basic Machine 2 (with boom base)	×1
Length (L)	12.5 m
Width (W)	3.0 m
Height (H)	3.1 m
Weight	23.9 t



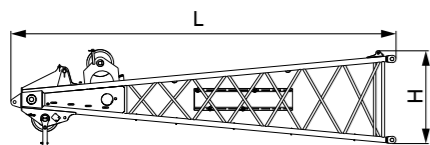
Basic Machine 3	×1
Length (L)	8.1 m
Width (W)	3.0 m
Height (H)	3.1 m
Weight	22.3 t



Crawler frame	×2
Length(L)	6.1 m
Width(W)	1.1 m
Height(H)	1.1 m
Weight	7.9 t

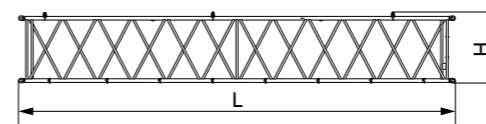


Boom base	×1
Length(L)	6.22 m
Width(W)	1.51 m
Height(H)	1.87 m
Weight	1.55 t

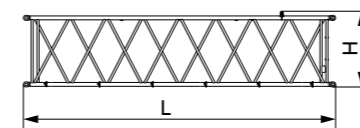


Boom top	×1
Length(L)	6.47 m
Width(W)	1.49 m
Height(H)	1.66 m
Weight	1.11 t

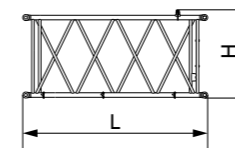
Transport Dimension



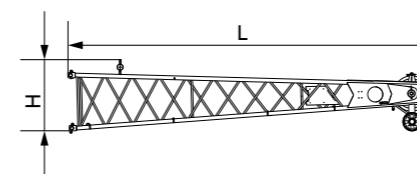
9 m boom	×4
Length(L)	9.13 m
Width(W)	1.51 m
Height(H)	1.56 m
Weight	0.91 t



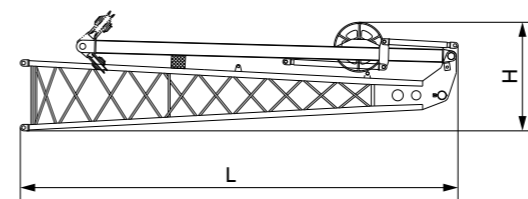
6 m boom	×1
Length (L)	6.14 m
Width (W)	1.51 m
Height (H)	1.56 m
Weight	0.76 t



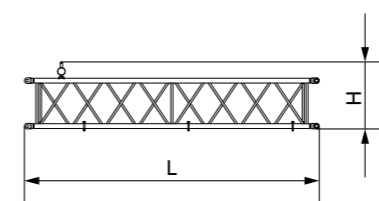
3 m boom	×1
Length (L)	3.14 m
Width (W)	1.51 m
Height (H)	1.56 m
Weight	0.45 t



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

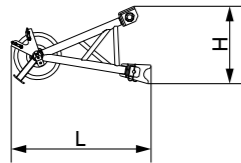


Fixed jib base and strut	×1
Length(L)	4.75 m
Width(W)	0.87 m
Height(H)	1.18 m
Weight	0.75 t

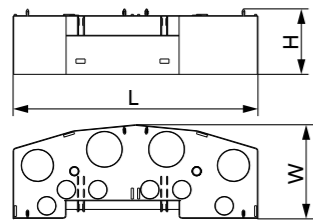


4.5 m fixed jib	×2
Length(L)	4.57 m
Width(W)	0.87 m
Height(H)	0.83 m
Weight	0.24 t

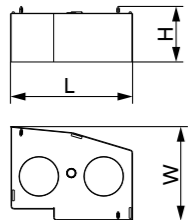
Transport Dimension



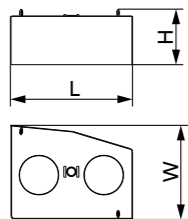
Extension jib	×1
Length (L)	1.4 m
Width (W)	1.0 m
Height (H)	0.8 m
Weight	0.13 t



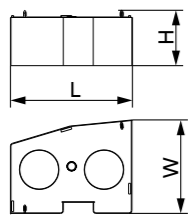
Counterweight tray × 1	×1
Length (L)	3.4 m
Width (W)	1.3 m
Height (H)	0.91 m
Weight	9.2 t



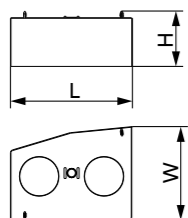
Left counterweight block 1	×1
Length (L)	1.7 m
Width (W)	1.3 m
Height (H)	0.77 m
Weight	3.9 t



Left counterweight block 2	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.77 m
Weight	4.0 t

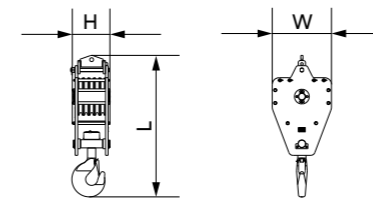


Right counterweight block 1	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.77 m
Weight	3.9 t

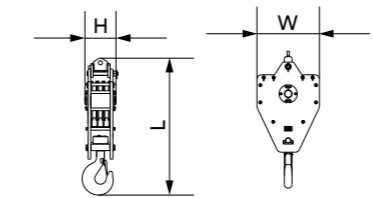


Right counterweight block 2	×1
Length(L)	1.7 m
Width(W)	1.3 m
Height(H)	0.77 m
Weight	4.0 t

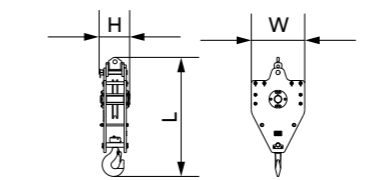
Transport Dimension



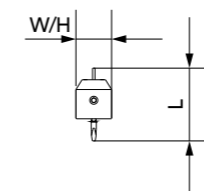
75 T hook	×1
Length(L)	1.75 m
Width(W)	0.69 m
Height(H)	0.43 m
Weight	0.70 t



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	0.34 t



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

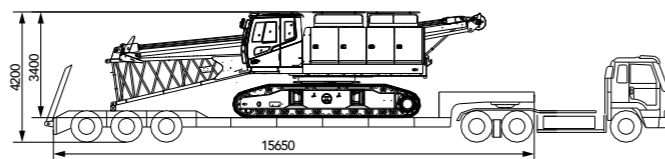
Note:

- 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.

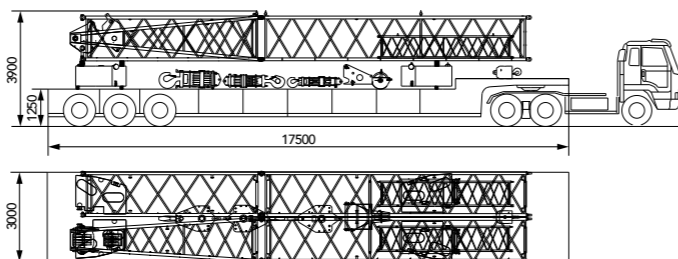
Transport Plan

Plan B: Transport with crawlers.

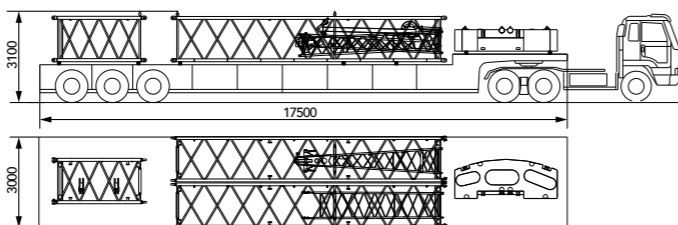
Trailer 1	
Part(s)	▪ Basic Machine
Weight	▪ 39.7 t



Trailer 2	
Part(s)	<ul style="list-style-type: none"> ▪ 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	▪ 21.9 t



Trailer 3	
Part(s)	<ul style="list-style-type: none"> ▪ Rear counterweight tray × 1 ▪ Fixed jib top × 1 ▪ Fixed jib base × 1 ▪ 9 m boom × 2 ▪ 3 m boom × 1
Weight	▪ 12.5 t

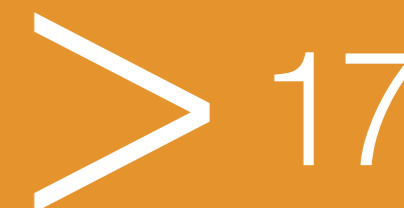


SCC750A SANY CRAWLER CRANE 75 TONS LIFTING CAPACITY

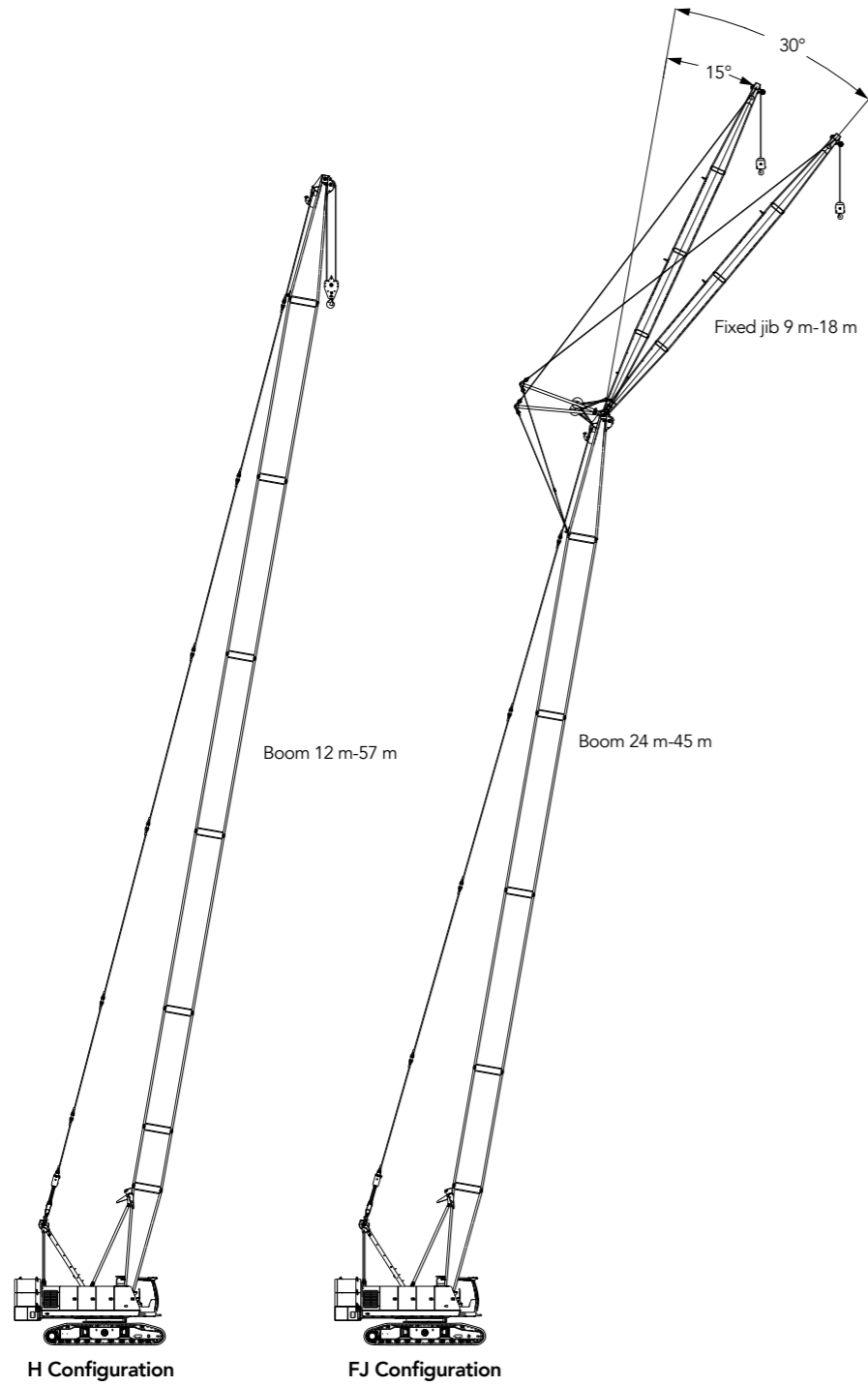
QUALITY CHANGES THE WORLD

Cofigurations

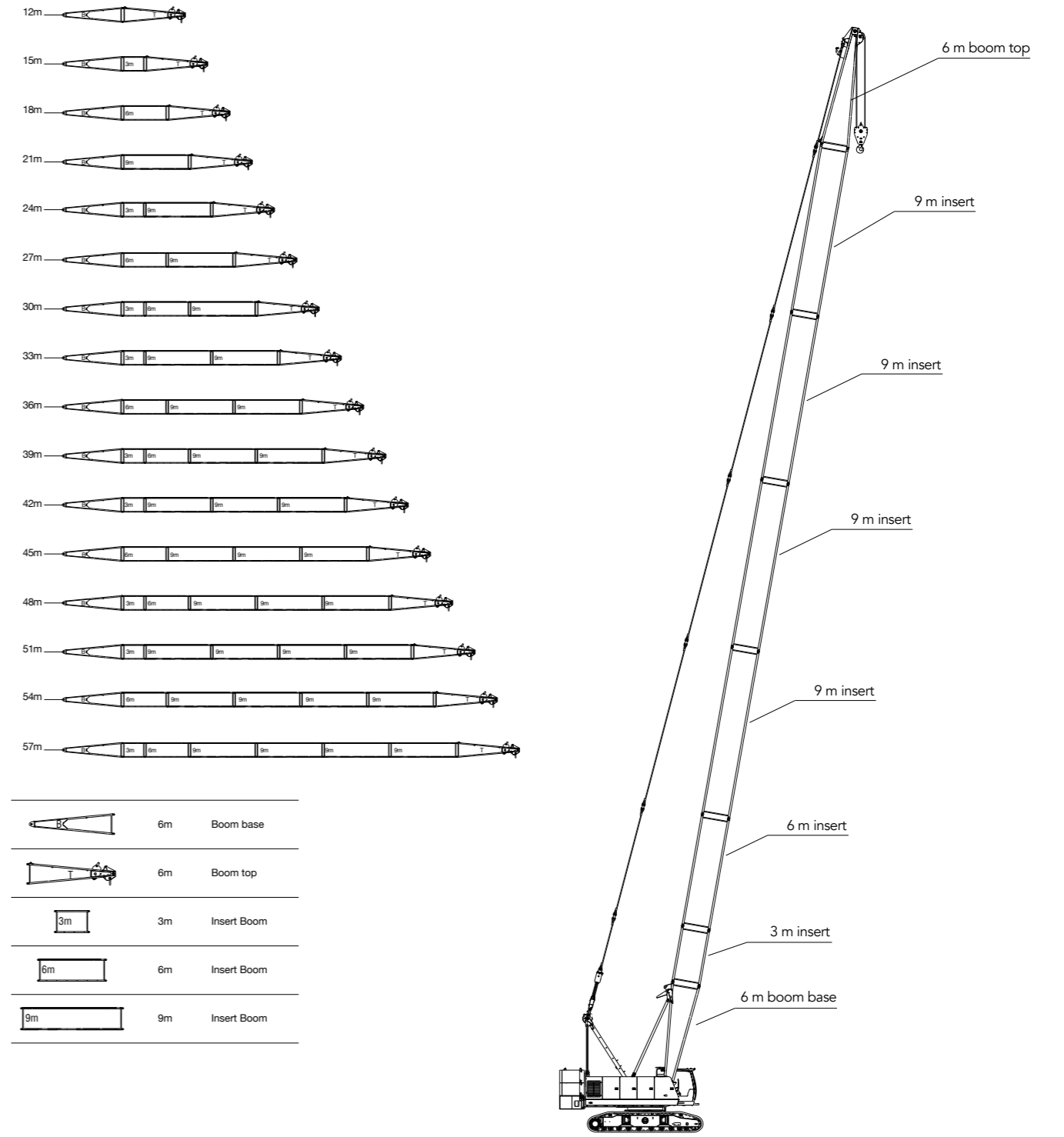
- Page 19 H Configuration
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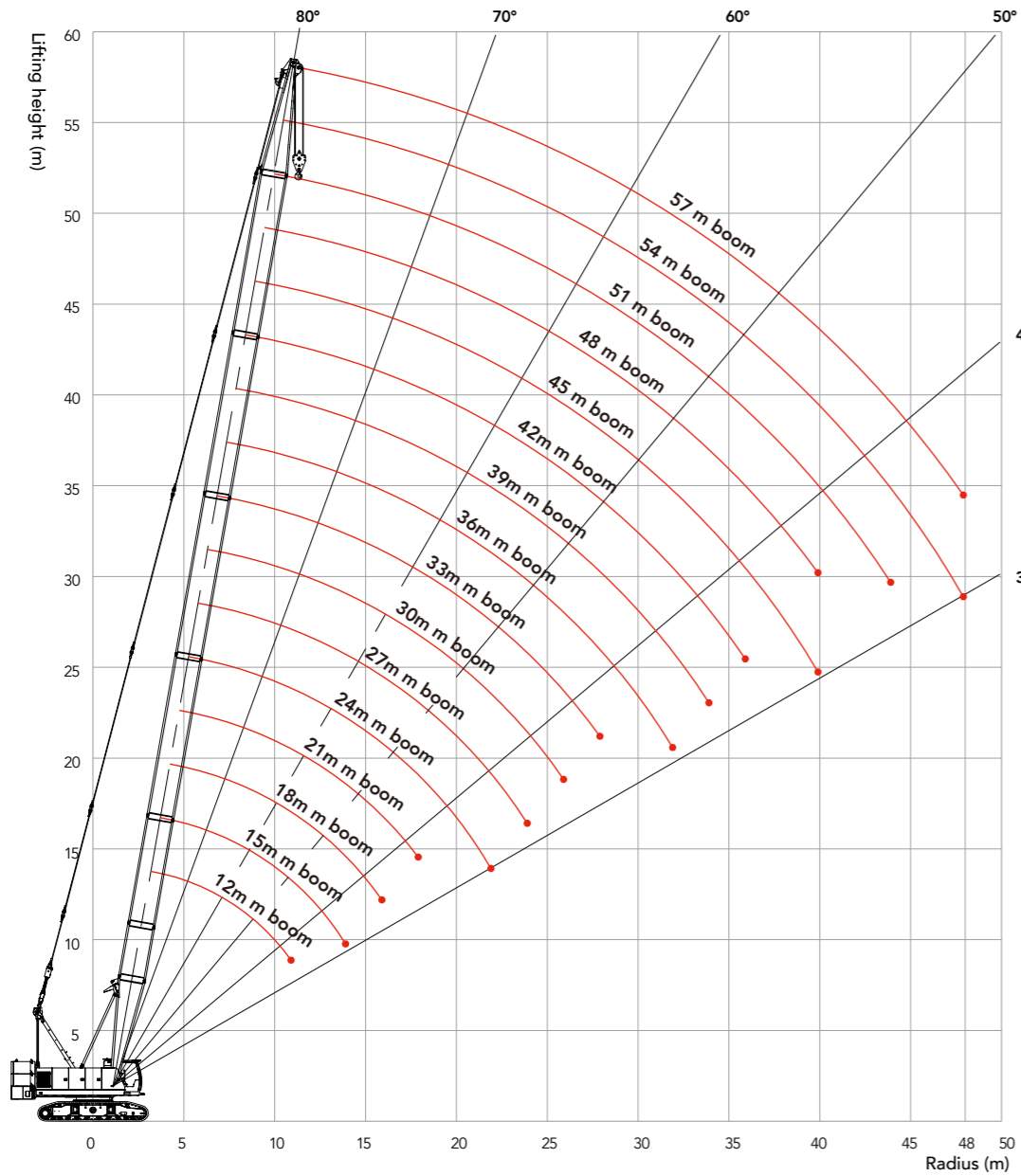
Boom Combination



H Configuration



Working Radius in H Configuration



Load Chart of H Configuration

Unit: t

SCC750A Crawler Crane – H Configuration 1/3									
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

Load Chart of H Configuration

SCC750A Crawler Crane – H Configuration 2/3										
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	

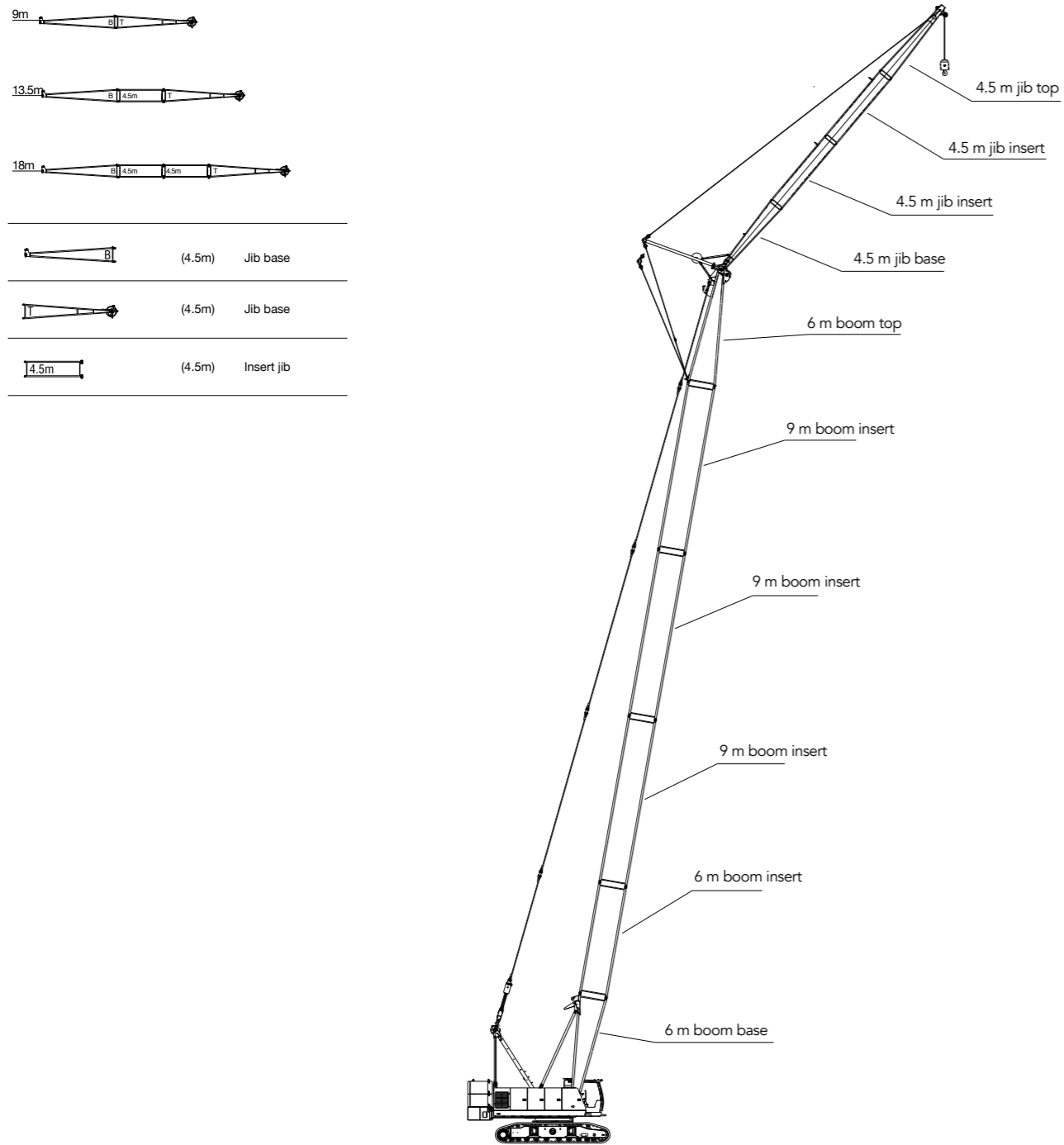
Load Chart of H Configuration

SCC750A Crawler Crane – H Configuration 3/3											
Boom length 12~39m Rear counterweight 9.2t (no extension jib)											
R/BL (m)	12	15	18	21	24	27	30	33	36	39	R/BL (m)
4	50.4										4
5	33.5	33.1	32.8								5
6	24.9	24.7	24.4	24.2	24.0						6
7	19.7	19.5	19.4	19.2	19.0	18.8	18.6				7
8	16.3	16.1	16.0	15.8	15.7	15.5	15.3	15.2	14.9		8
9	13.8	13.6	13.5	13.4	13.2	13.1	12.9	12.8	12.7	12.5	9
10	12.0	11.8	11.7	11.5	11.4	11.3	11.1	11.0	10.9	10.8	10
11	10.5	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.5	9.4	11
12		9.2	9.1	9.0	8.9	8.7	8.6	8.5	8.4	8.3	12
14		7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7	6.6	14
16			6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	16
18				5.1	5.0	4.9	4.7	4.6	4.5	4.4	18
20					4.2	4.1	4.0	3.9	3.8	3.7	20
22					3.7	3.6	3.4	3.3	3.2	3.1	22
24						3.1	2.9	2.8	2.8	2.6	24
26							2.5	2.4	2.4	2.2	26
28								2.1	2.0	1.9	28
30									1.7	1.6	30
32									1.5	1.4	32
34										1.1	34

※ Notes: Rated capacity of crawler crane:

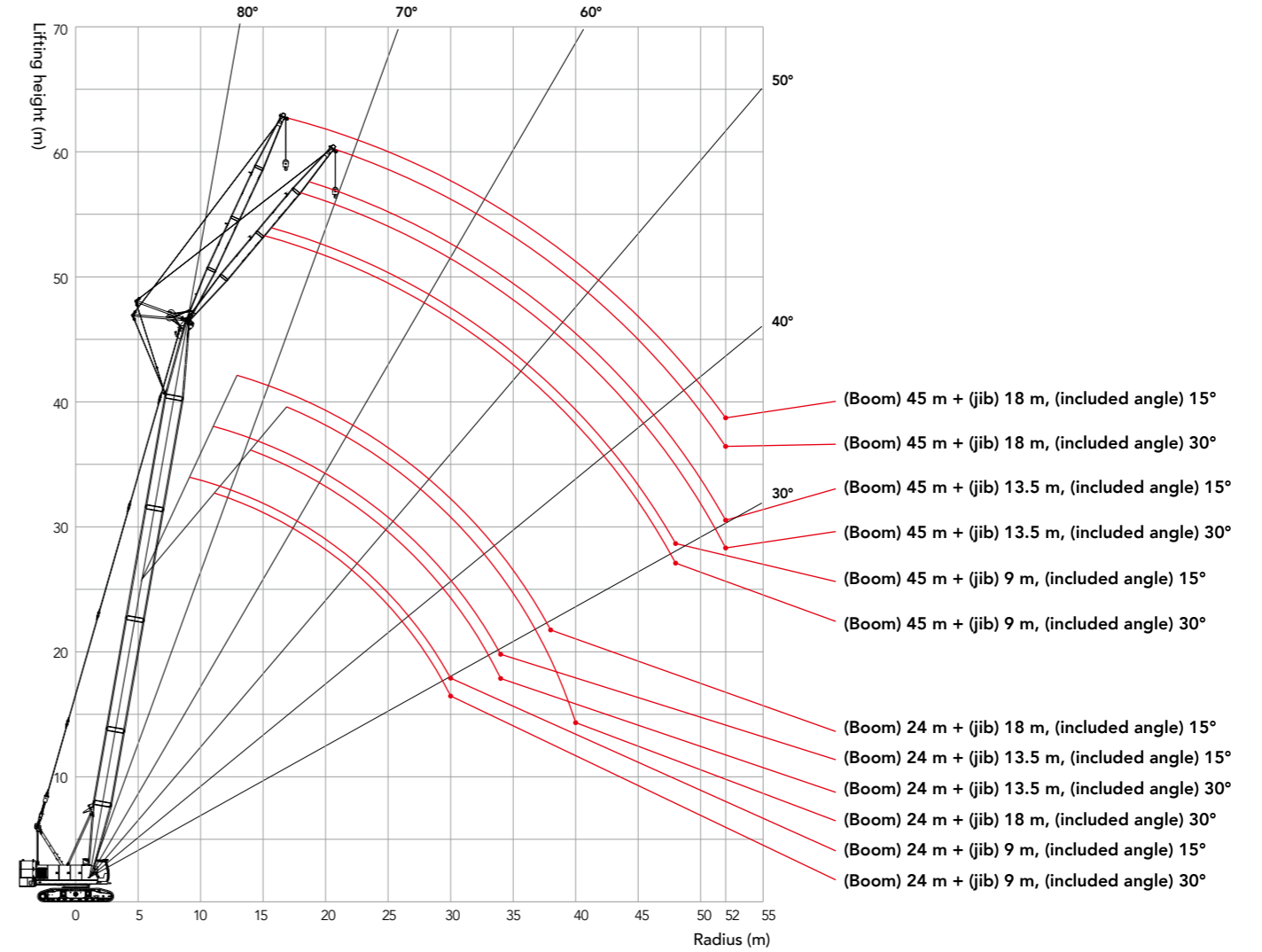
- ① . The rated capacity in the load charts is calculated when the crane is parking on firm and level ground and lifting the load slowly and steadily.
- ② . The rated capacity values in the load charts are only valid when wind speed is lower than 9.8 m/s.
- ③ . The rated capacity in the load charts includes 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



Longest boom + jib: 45 m + 18 m

Working Radius in FJ Configuration



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) Jib Length (m) Included angle between boom and jib	24						27						R/BL (m) Jib Length (m) Included angle between boom and jib
	9		13.5		18		9		13.5		18		
	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	
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	7.3	7.5		7.5	7.5	7.5		7.5		14
16	7.5	7.5	7.5	6.8	7.5		7.5	7.5	7.5	7.0	7.5		16
18	7.5	7.5	7.5	6.4	6.9	5.0	7.5	7.5	7.5	6.5	7.1	5.1	18
20	7.5	7.5	7.5	6.0	6.3	4.7	7.5	7.5	7.5	6.2	6.6	4.8	20
22	7.3	7.4	7.0	5.7	5.8	4.5	7.2	7.3	7.3	5.9	6.1	4.6	22
24	6.4	6.5	6.5	5.4	5.4	4.2	6.3	6.5	6.5	5.6	5.7	4.3	24
26	5.7	5.8	5.8	5.2	5.1	4.0	5.6	5.7	5.8	5.4	5.3	4.1	26
28	5.1	5.2	5.2	5.0	4.7	3.8	5.0	5.1	5.2	5.1	5.0	3.9	28
30	4.6	4.6	4.7	4.8	4.5	3.7	4.5	4.6	4.7	4.8	4.7	3.8	30
32			4.3	4.4	4.2	3.5	4.1	4.1	4.2	4.3	4.3	3.6	32
34			3.9	3.9	4.0	3.4			3.8	3.9	3.9	3.5	34
36					3.6	3.3			3.5	3.5	3.5	3.4	36
38					3.3	3.2			3.2	3.2	3.3	3.3	38
40						3.0					2.9	3.0	40

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) Jib Length (m) Included angle between boom and jib	30						33						R/BL (m) Jib Length (m) Included angle between boom and jib
	9		13.5		18		9		13.5		18		
	15	30	15	30	15	30	15	30	15	30	15	30	
10													10
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	7.1	7.5		7.5	7.5	7.5	7.2	7.5		16
18	7.5	7.5	7.5	6.7	7.4	5.2	7.5	7.5	7.5	6.8	7.5		18
20	7.5	7.5	7.5	6.3	6.8	4.9	7.5	7.5	7.5	6.5	7.0	5.0	20
22	7.0	7.2	7.2	6.0	6.3	4.7	6.9	7.1	7.1	6.2	6.6	4.8	22
24	6.2	6.3	6.3	5.8	5.9	4.4	6.1	6.2	6.2	5.9	6.1	4.5	24
26	5.5	5.6	5.6	5.5	5.5	4.2	5.4	5.5	5.5	5.7	5.6	4.3	26
28	4.9	5.0	5.0	5.2	5.1	4.0	4.8	4.9	4.9	5.1	5.0	4.2	28
30	4.4	4.5	4.5	4.6	4.6	3.9	4.3	4.4	4.4	4.6	4.5	4.0	30
32	3.9	4.0	4.1	4.2	4.1	3.7	3.8	3.9	4.0	4.1	4.0	3.8	32
34	3.5	3.6	3.7	3.8	3.7	3.6	3.4	3.5	3.6	3.7	3.6	3.7	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

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) Jib Length (m) Included angle between boom and jib	36						39						R/BL (m) Jib Length (m) Included angle between boom and jib
	9		13.5		18		9		13.5		18		
	15	30	15	30	15	30	15	30	15	30	15	30	
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	7.1	7.5		18
20	7.5	7.5	7.5	6.6	7.3	5.1	7.5	7.5	7.5	6.7	7.5	5.2	20
22	6.8	7.0	7.0	6.3	6.8	4.9	6.7	6.9	6.9	6.4	7.0	4.9	22
24	6.0	6.1	6.1	6.0	6.2	4.6	5.9	6.1	6.0	6.2	6.1	4.7	24
26	5.3	5.4	5.4	5.6	5.5	4.4	5.2	5.3	5.3	5.6	5.4	4.5	26
28	4.7	4.8	4.8	5.0	4.9	4.2	4.6	4.7	4.7	4.9	4.8	4.3	28
30	4.2	4.3	4.3	4.5	4.4	4.1	4.1	4.2	4.2	4.4	4.3	4.2	30
32	3.7	3.8	3.9	4.0	3.9	3.9	3.7	3.8	3.8	3.9	3.9	4.0	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

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) Jib Length (m) Included angle between boom and jib	42						45						R/BL (m) Jib Length (m) Included angle between boom and jib	
	9		13.5		18		9		13.5		18			
	15	30	15	30	15	30	15	30	15	30	15	30		
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	7.2	7.5		7.5	7.5	7.5	7.2	7.5		18	
20	7.5	7.5	7.5	6.8	7.5		7.5	7.5	7.5	6.9	7.5		20	
22	6.6	6.8	6.8	6.5	6.9	5.0	6.5	6.7	6.7	6.7	6.8	5.1	22	
24	5.8	6.0	5.9	6.2	6.0	4.8	5.7	5.9	5.8	6.1	5.9	4.9	24	
26	5.1	5.3	5.2	5.5	5.3	4.6	5.0	5.2	5.1	5.4	5.2	4.7	26	
28	4.5	4.6	4.6	4.9	4.7	4.4	4.4	4.6	4.5	4.8	4.6	4.5	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



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— Agent information —

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