



SANY
AMERICA

SCC8150

Crawler Crane



- 165 U.S. Tons (150 Metric Tons) @ 16.4 ft Radius
- 272 ft Max Tip Height (Main Boom)
- Main Boom & Fixed Jib Configurations

Product Guide

THE DEPENDABLE WAY TO LIFT YOUR PRODUCTION

Look to SANY America as the name in dependability. The complete line of SANY crawler cranes is ready to take on the rigors of your job demands, and lift your productivity farther and higher.

The SANY SCC8150 features a maximum capacity of 165 U.S. tons @ 16.4 ft radius and two configurations, for the Main Boom reaching up to 269 ft and a Fixed Jib length up to 102 ft. The Cummins engine, available in either Tier 3, 325 hp or Tier 4i, 340 hp, brings power and fuel efficiency to every job site.

For superior control and reliable performance, the Rexroth hydraulic system includes the main pump, main valve and servo control. Independently driven drums feature hydraulically driven planetary gears, while the swing system is rotary hydraulically driven for 360-degree rotation.



In the slimmer SANY UltraCab 2, designed by Porsche, the operator is treated to productivity-enhancing ergonomics, clear visibility through large windows, year-round climate control, optimally placed function screens

and large-display video monitors that enhance command of it all.

Important features include a boom elevation device, emergency stop function for all operations, two machine monitoring cameras, aircraft warning light and in-seat operator protection, which permits machine functions only when the operator is seated.

Dependability through quality. Power and reach through innovation. Climb inside user-friendly SANY crawler cranes and watch your production and profits climb to new heights.





ULTRACAB 2

A lighter, slimmer version of SANY's Porsche-designed UltraCab that features the industry's most ergonomic operating environment, large windows, air conditioning, a sliding door, and a premium MP3 sound system.



ADVANCED ELECTRONICS

SANY-designed and manufactured the electrical and intelligence systems to deliver quality, efficiency and performance.



QUALITY, BRAND-NAME COMPONENTS



The **Cummins** engine, coupled to **Rexroth** hydraulic components, delivers high reliability and consistent performance. The SCC8150 is outfitted with high-quality Diepa Rope.

SCC8150


- Engine: Cummins Tier 3, 325 hp @ 2100 rpm, or Cummins Tier 4i, 340 hp @ 1800 rpm
- Hydraulic system: Rexroth pumps and drive motors
- SANY-designed LML with large display screen
- Two configurations available: Main Boom and Fixed Jib
- *Standard features:*
 - Pivot cab allows for 3-meter shipping width
 - Main drum bail limits
 - Main drum and rear counterweight cameras
 - Basic machine lighting package
 - Aircraft warning light

Maximum Capacity @ Radius	165 U.S. tons @ 16.4 ft
Main Boom	3, 6 & 11.5 Meter Sections 59 ft - 269 ft
Max Tip Height (H Main Boom)	272 ft
Fixed Jib Length	43 ft - 102 ft
Main Winch - Rated Line Pull	34,172 lb
Wire Rope Diameter	26 mm
Total Counterweight (Series 2)	162,918 lb
Weight	
• Basic Machine (Without Track Frames; With Boom Butt)	99,208 lb
• Basic Machine (Without Track Frames or Boom Butt)	89,508 lb
Length	
• Basic Machine Without Track Frames; With Boom Butt)	53.5 ft
• Basic Machine (Without Track Frames or Boom Base)	36.1 ft
Height	
Basic Machine (Without Track Frames & With or Without Boom Butt)	11.1 ft
Width	
• Basic Machine (Without Track Frames; With Boom Butt)	11.5 ft
• Basic Machine (Without Track Frames or Boom Base)	9.8 ft
Tail Swing	21 ft

UPPERWORKS

ENGINE

Cummins Model QSL9 Tier 3
 Power..... 325 hp (242 kW)

or

Cummins Model QSL9 Tier 4i
 Power..... 340 hp (254 kW)

Fuel Tank 211 gal (800 L)



DRUMS

Independently driven main and auxiliary drums feature hydraulically driven planetary gears.

Rope Diameter26 mm
 Max Line Speed580 ft/min
 Single Line Rated Line Pull.....34,172 lb
 Max Spooling Main.....1,148.3 ft
 Whip984.2 ft



SWING SYSTEM

Rotary hydraulically driven motor provides 360° rotation. Swing and free swing lock functions.
 Tail Swing.....21 ft



HYDRAULIC SYSTEM

Rexroth hydraulic system includes main pump, main valve, servo control and motor reducer. The efficient, energy-saving system includes excellent controllability and solid

performance. The system temperature is regulated by an independent hydraulic oil cooling system.



COUNTERWEIGHT

SERIES 1

1 – Upperworks Tray 30,644 lb
 6 – Upper Side Block 72,750 lb
 (12,125 lb each)
 Total 103,394 lb

SERIES 2

1 – Upperworks Tray 30,644 lb
 8 – Upper Side Block 97,000 lb
 (12,125 lb each)
 2 – Carbody Blocks.....35,274 lb
 (17,637 lb each)
 Total 162,918 lb



CONTROLS

SANY-designed LML and machine function screens are prominently placed for maximum visibility. The system is user friendly and simple to set up and operate. The console also features large video monitors.

UltraCab 2

A lighter, slimmer version of SANY's Porsche-designed UltraCab that features the industry's most ergonomic operating environment, large windows, air conditioning, a sliding door and a premium MP3 sound system.



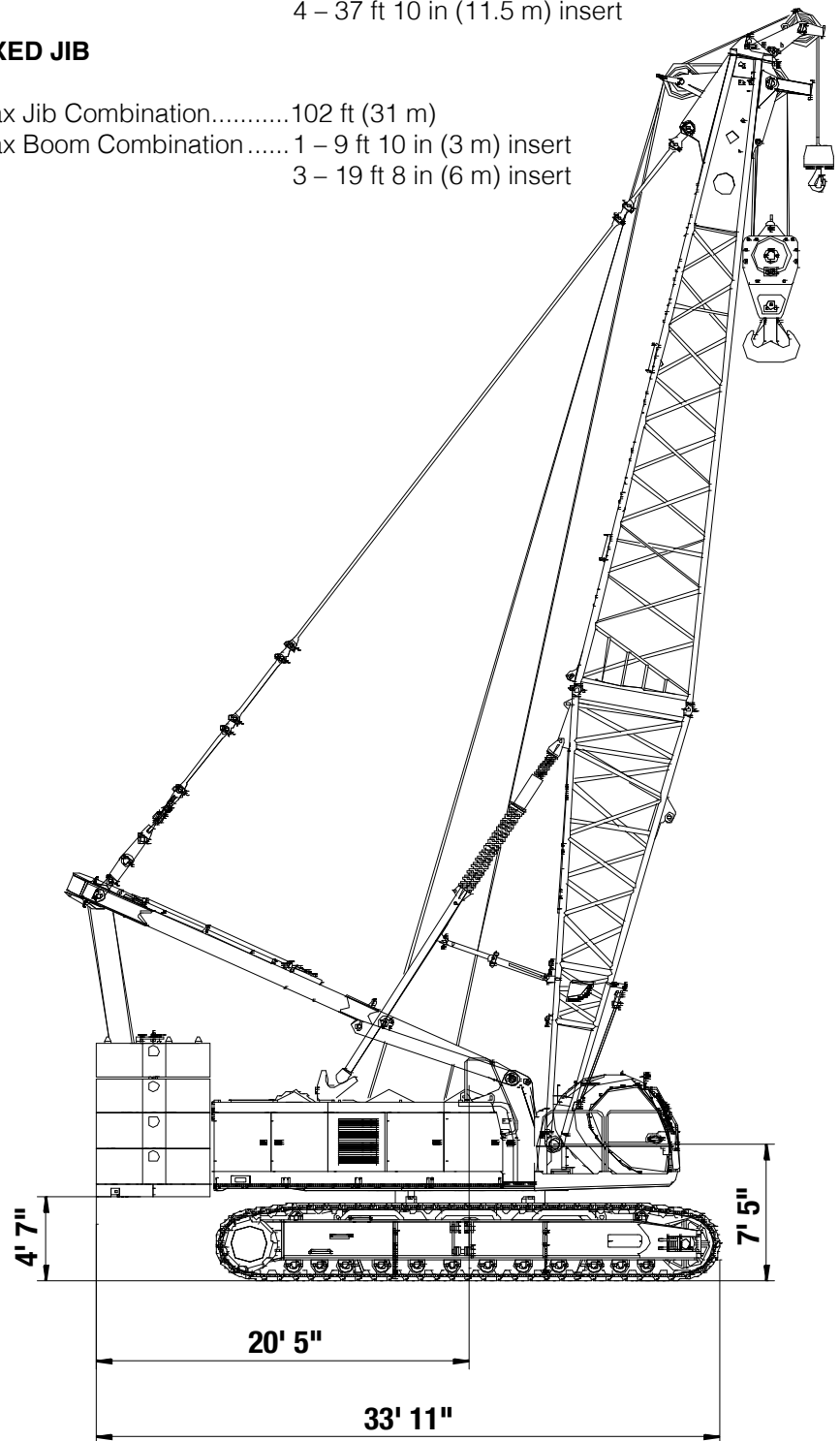
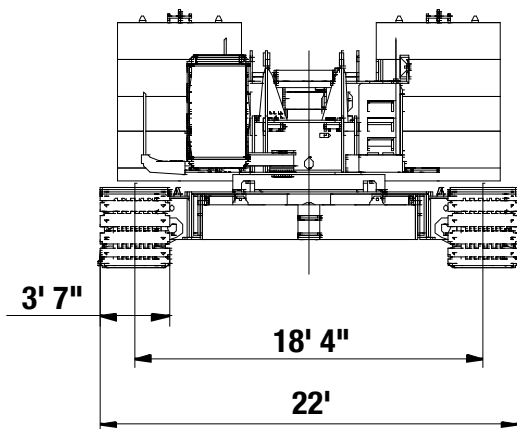
ATTACHMENTS

MAIN BOOM (H)

[illegible]

FIXED JIB

Max Jib Combination.....102 ft (31 m)
Max Boom Combination.....1 – 9 ft 10 in (3 m) insert
3 – 19 ft 8 in (6 m) insert



A-Frame Alarm Device

In installation mode, if A-frame does not rise into correct position, the system alarm will alert the operator. Work mode functions will be inoperative.

Aircraft Warning Light

Installed on the top of the boom or jib.

Anemometer

Installed at the top of boom or fixed jib for real-time monitoring of wind speed and transmission of data to cab for display on monitor.

Anti-Two Block (ATB)

Composed of limit switch and actuation weight on load lines to prevent excessive raising of the hook block. When the lifting hook is raised to its maximum height, a limit switch will activate a buzzer on the control panel, an indicator light will blink and will automatically stop the lifting operation of the hook block.

Bail Limits

A mechanical arm with roller riding on the drum wire rope and proximity switches informs the operator when three dead wraps are remaining. An alarm will sound, information will be displayed on the instrument cluster and the system will automatically stop drum rotation.

Boom Stop

A spring-cushioned boom stop and automatic boom stop prevent exceeding backward boom-angle limits.

Boom Elevation Device

When the boom angle is greater than 81 degrees, an alarm will sound and the boom control lever will be deactivated. This protection is controlled by a torque limiter and position switch. When the boom angle is less than 30 degrees, an alarm will activate and display information in the control panel and automatically stop operation.

Drum Locking Device

All drums are equipped with an electric locking device. Before drum operation, the operator must activate switch to unlock.

Emergency Stop Function

The emergency stop button cuts power to the machine, stopping all operations.

Function Cut-Out

If the function lock handle is not in place, all machine operating functions will be deactivated.

In-Seat Operator Protection

The operator must be seated for machine functions to work.

Leveling Gauge

The electronic leveling gauge displays the machine angle on the monitor.

Lighting

Equipped with drum lights, lower beam in front of machine, front adjustable high beam, lighting lamps in operator's cab and lighting equipment for night operation.

Lightning Protection Device

Lightning protection grounding and surge protection devices prevent damage to electrical components.

LML (Load Moment Limiter)

A dedicated computer-controlled operating system, the torque limiter automatically detects load and boom angle and displays rated load, actual load, working radius and boom angle.

Components: machine, monitor, angle sensors, force sensors etc.

Functions: can display real-time rated load, actual load, working radius and boom angle, height and other data at current status of the crane and give real-time alarm if limits are exceeded.

Monitoring System

Two cameras monitor drum spooling, boom hoist, and rear of machine.

Optional: variable-zoom camera system on boom top monitors the working conditions of hook block.

Rearview Mirror

Installed on the right side of the operator's cab for monitoring the rear of the machine.

Swing Lock

Hydraulic power pin locks the crane in front, rear, left and right positions.

Signs for Boom Angle

Pendulum angle-indicator device is located in boom base next to the cab for operator convenience.

Sound and Light Alarms

When engine is running, lights will flash; when traveling or swinging, alarm will sound.

Installation Mode / Work Mode

In installation mode, bail limits, boom elevation device and torque limiter are inoperative. In operation mode, all safety limits return to normal.

Three-Color Load Warning Light

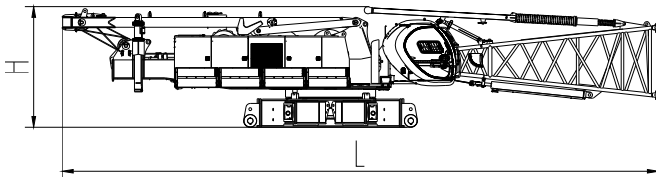
Green, yellow and red load warning lights, simultaneously display real-time load. When the actual load is less than 92 percent of rated load, the green light is on. When the actual load is between 92 percent and 100 percent of the rated load, the yellow light is on, the pre-warning lights will flash and intermittent alarm will be issued. When the actual load reaches 100 percent of rated load, the red light is on, the pre-warning lights will flash and intermittent alarm will be issued. When the actual load reaches 102 percent of rated load, the machine will automatically stop hoisting functions.

Turn Indicating Device

When traveling or swinging, the turn-indicating light blinks.

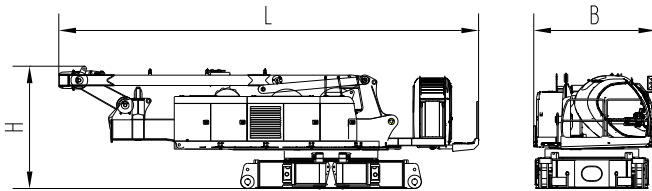
Wire Rope Guides

Lifting hooks are provided with guides to ensure the wire rope is maintained in the correct sheave location.



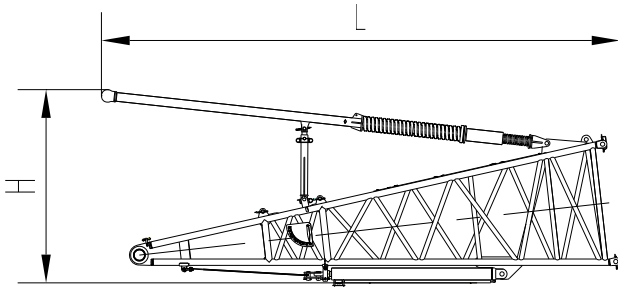
BASIC MACHINE (With Boom Butt)

Length	53' 6"	16.31 m
Width	11' 6"	3.50 m
Height	11' 1"	3.37 m
Weight	99,208 lb	45 t



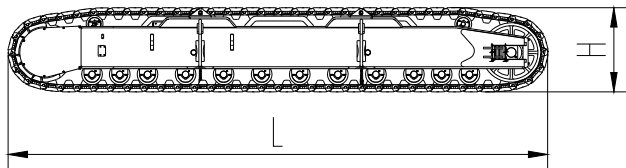
BASIC MACHINE (Without Boom Butt)

Length	36' 1"	11.0 m
Width	9' 10"	3.0 m
Height	11' 1"	3.37 m
Weight	89,508 lb	40.6 t



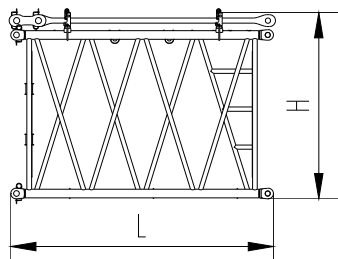
BOOM BUTT

Length	27' 4"	8.33 m
Width	7' 4"	2.21 m
Height	10' 1"	3.08 m
Weight	9,700 lb	4.4 t



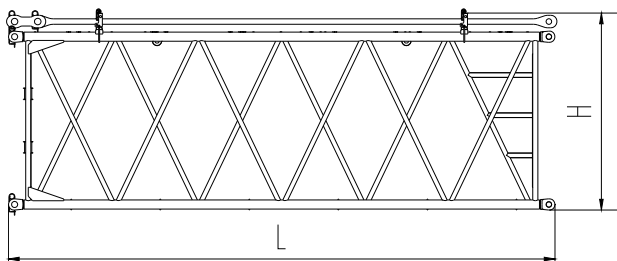
TRACK FRAME ASSEMBLY

Length	27' 6"	8.37 m
Width	4' 8"	1.43 m
Height	4' 4"	1.30 m
Weight	38,140 lb	17.30 t



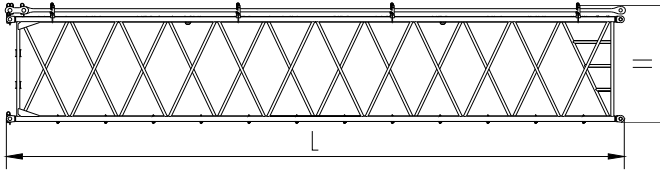
3 m BOOM INSERT NO. 2119A

Length	10' 4"	3.14 m
Width	7' 4"	2.21 m
Height	7' 6"	2.30 m
Weight	1,521 lb	0.69 t



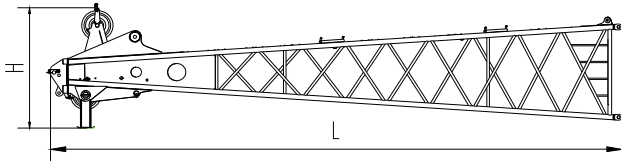
6 m BOOM INSERT NO. 2119A

Length	20' 1"	6.14 m
Width	7' 4"	2.21 m
Height	7' 6"	2.30 m
Weight	2,315 lb	1.05 t



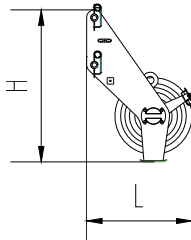
11.5 m BOOM INSERT NO. 2119A

Length	38' 2"	11.64 m
Width	7' 4"	2.21 m
Height	7' 6"	2.30 m
Weight	4,034 lb	1.83 t



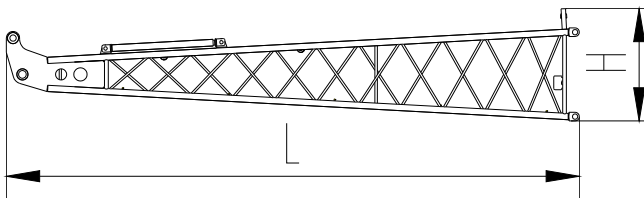
BOOM TIP NO. 2119A

Length	36' 11"	11.26 m
Width	7' 4"	2.21 m
Height	8' 2"	2.50 m
Weight	6,614 lb	3.00 t



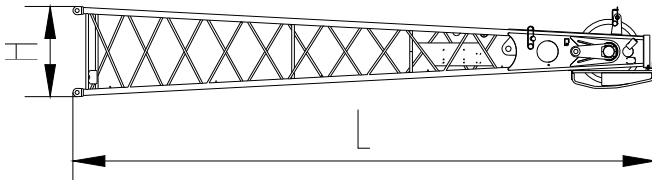
TIP EXTENSION

Length	2' 8"	0.82 m
Width	1' 6"	0.45 m
Height	3' 11"	1.19 m
Weight	485 lb	0.22 t



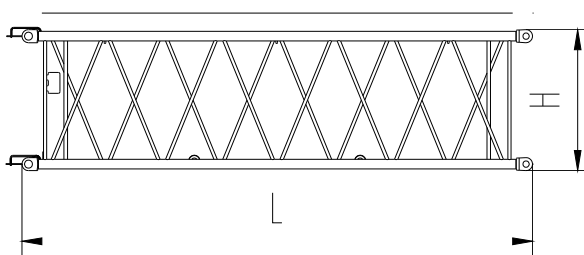
FIXED JIB BASE NO. FJ5-0907

Length	17'	5.18 m
Width	3' 4"	1.01 m
Height	3' 4"	1.02 m
Weight	617 lb	0.28 t



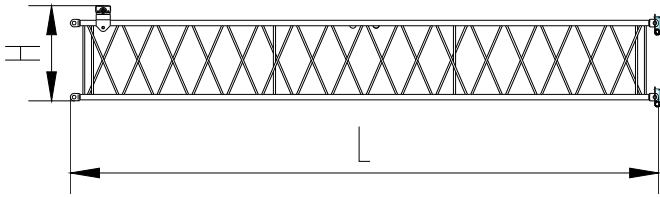
FIXED JIB TIP NO. FJ5-0907

Length	17' 11"	5.47 m
Width	3' 4"	1.01 m
Height	2' 10"	0.84 m
Weight	1,102 lb	0.50 t



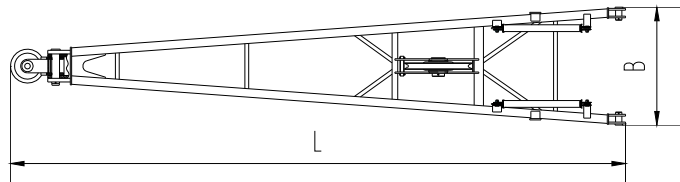
3 m INSERT NO. FJ5-0907

Length	10' 1"	3.08 m
Width	3' 4"	1.01 m
Height	2' 10"	0.84 m
Weight	287 lb	0.13 t



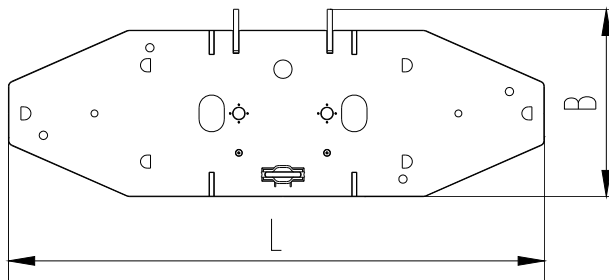
6 m INSERT NO. FJ5-0907

Length	19' 11"	6.08 m
Width	3' 4"	1.01 m
Height	3' 2"	0.99 m
Weight	529 lb	0.24 t



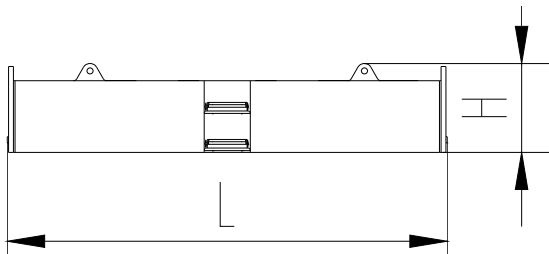
FIXED JIB MAST

Length	17' 11"	5.46 m
Width	3' 5"	1.05 m
Height	1' 11"	0.60 m
Weight	1,102 lb	0.50 t



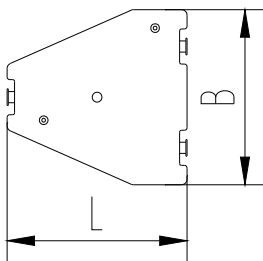
COUNTERWEIGHT TRAY

Length	20' 1"	6.14 m
Width	7'	2.14 m
Height	1' 11"	0.60 m
Weight	30,644 lb	13.90 t



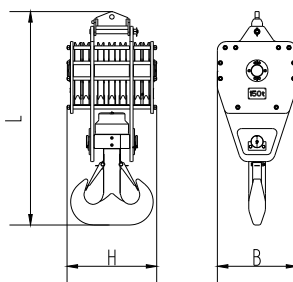
CENTRAL COUNTERWEIGHT

Length	11' 7"	3.53 m
Width	4' 8"	1.44 m
Height	2' 5"	0.72 m
Weight	17,637 lb	8.00 t



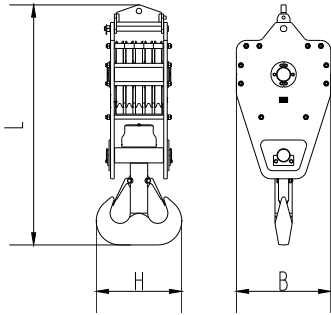
COUNTERWEIGHT BLOCK (Rear Counterweight)

Length	6' 6"	1.97 m
Width	6' 2"	1.90 m
Height	1' 11"	0.58 m
Weight	12,125 lb	5.50 t



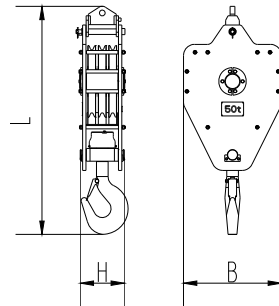
150 ton HOOK BLOCK

Length	8'	2.45 m
Width	2' 11"	0.91 m
Height	3' 5"	1.03 m
Weight	6,239 lb	2.83 t



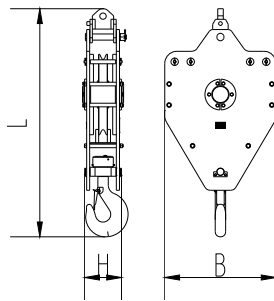
100 ton HOOK BLOCK

Length	7' 8"	2.36 m
Width	3' 1"	0.93 m
Height	2' 10"	0.84 m
Weight	4,387 lb	1.99 t



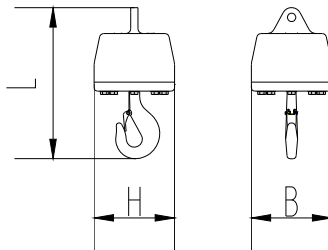
50 ton HOOK BLOCK

Length	6' 10"	2.07 m
Width	2' 11"	0.89 m
Height	1' 4"	0.40 m
Weight	2,337 lb	1.06 t



25 ton HOOK BLOCK

Length	6' 1"	1.85 m
Width	2' 11"	0.90 m
Height	1'	0.30 m
Weight	1,720 lb	0.78 t



13.5 ton HOOK BALL

Length	3' 1"	0.93 m
Width	1' 7"	0.50 m
Height	1' 7"	0.50 m
Weight	1,168 lb	0.53 t

NOTES:

1. The transport dimensions of the parts marked on schematic diagrams are not drawn to scale. The dimensions indicated are the design values excluding package.
2. The weight is the design value and there may be difference due to manufacturing tolerance.

TRANSPORT WITH BOOM BASE – 269' MAIN BOOM + 101.7' FIXED JIB											
NAME	WEIGHT (LB)	1	2	3	4	5	6	7	8	9	10
Basic Crane (with Boom Base)	99,208	1									
Left Crawler Assembly	38,140		1								
Right Crawler Assembly	38,140			1							
Counterweight Tray	30,644				1						
Counterweight Block	12,125					3	3		2		
Central Counterweight	17,637										2
3 m Boom Insert	1,543									1	1
6 m Boom Insert	2,315									1	1
11.5 m Boom Insert	4,034					1	1	1	1		
Boom Tip	6,945				1						
Tip Extension	485				1						
Fixed Jib Base	661		1								
3 m Fixed Jib Insert	287			1							
6 m Fixed Jib Insert	529		2	1							
Fixed Jib Tip	1,102			1							
Fixed Jib Mast	1,102								1		
150 t Hook Block	6,239									1	
100 t Hook Block	4,387									1	
50 t Hook Block	2,337							1			
25 t Hook Block	1,720							1			
13.5 t Hook Ball	1,168							1			
WEIGHT EACH TRAILER (LB)		99,208	39,904	40,124	38,140	40,565	40,565	9,921	29,762	15,212	39,242

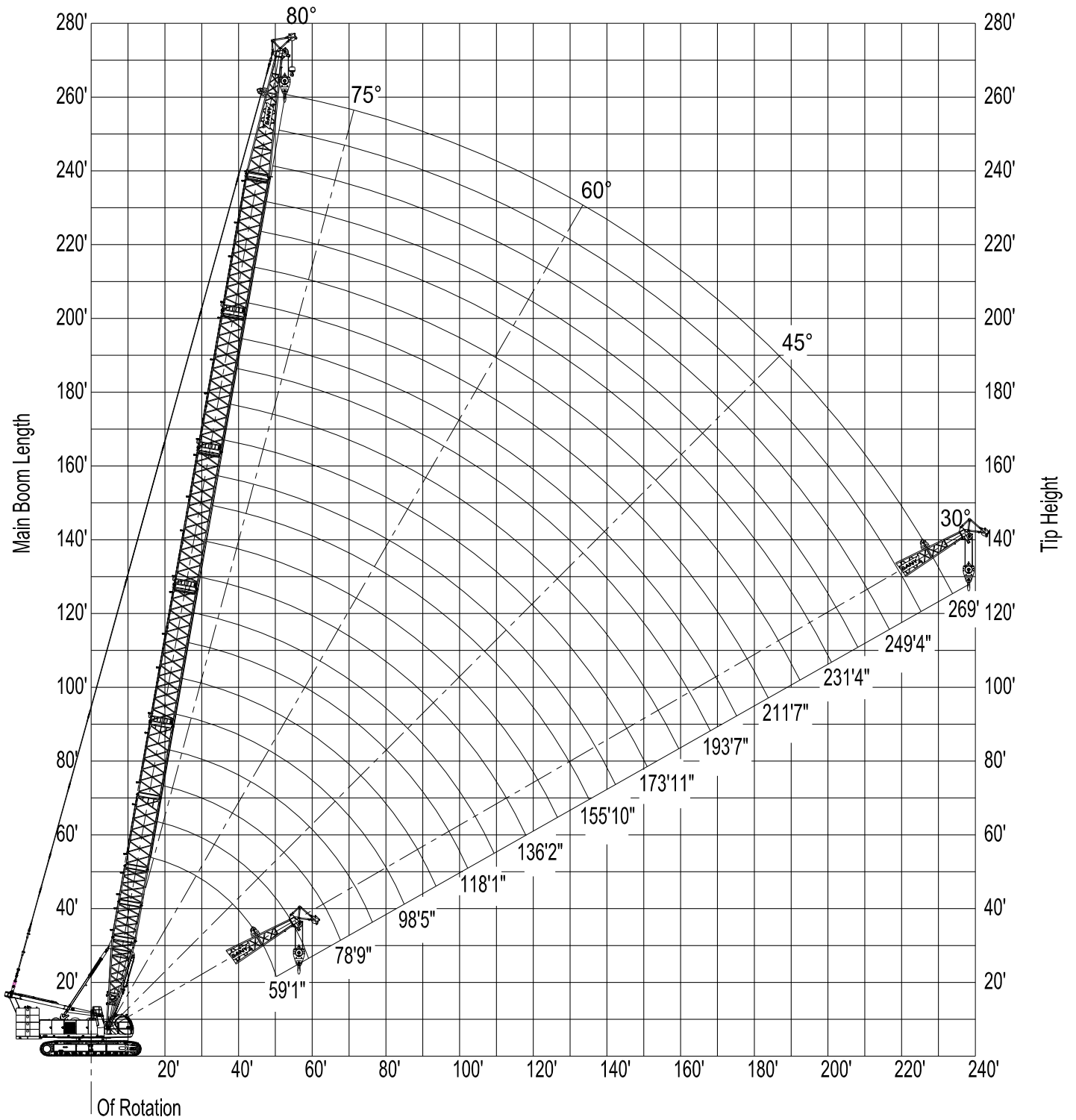
TRANSPORT WITHOUT BOOM BASE – 269' MAIN BOOM + 101.7' FIXED JIB											
NAME	WEIGHT (LB)	1	2	3	4	5	6	7	8	9	10
Basic Crane (without Boom Base)	89,508	1									
Boom Base	9,700	1									
Left Crawler Assembly	38,140		1								
Right Crawler Assembly	38,140			1							
Counterweight Tray	30,644				1						
Counterweight Block	12,125					3	3		2		
Central Counterweight	17,637										2
3 m Boom Insert	1,543									1	1
6 m Boom Insert	2,315									1	1
11.5 m Boom Insert	4,034					1	1	1	1		
Boom Tip	6,945				1						
Tip Extension	485				1						
Fixed Jib Base	661		1								
3 m Fixed Jib Insert	287			1							
6 m Fixed Jib Insert	529		2	1							
Fixed Jib Tip	1,102			1							
Fixed Jib Mast	1,102								1		
150 t Hook Block	6,239									1	
100 t Hook Block	4,387									1	
50 t Hook Block	2,337							1			
25 t Hook Block	1,720							1			
13.5 t Hook Ball	1,168							1			
WEIGHT EACH TRAILER (LB)		99,208	39,904	40,124	38,140	40,565	40,565	9,921	29,762	15,212	39,242

SCC8150 MAIN BOOM (H) LOAD CHART


 127,868 lbs
 +
 35,274 lbs


LOAD RADIUS (ft)	BOOM LENGTH (ft)											
	59	79	98	118	136	156	174	194	212	231	249	269
	CAPACITY (x 1000 lb)											
16.4	330.7											
20	301.4	287.0										
25	254.1	243.7	232.6									
30	207.3	204.2	192.8	181.4	168.9							
35	171.6	168.5	164.1	155.3	148.2	136.5						
40	146.2	145.6	140.9	134.1	128.5	122.4	117.4	108.7				
45	124.5	124.1	122.6	118.0	113.6	108.3	104.3	99.1	95.3			
50	108.3	108.1	107.4	105.1	101.6	97.2	93.6	89.6	86.3	80.2	76.7	
55		95.3	94.6	93.6	91.4	87.7	84.6	81.0	78.1	74.2	71.1	60.7
60		84.6	84.0	83.2	82.5	79.7	76.8	73.6	71.0	68.1	65.6	60.1
70		68.9	68.6	67.7	67.3	66.3	64.7	62.0	60.0	57.4	55.2	52.8
80			57.2	56.6	56.1	55.2	54.7	53.0	51.1	48.9	47.2	45.0
90				48.2	47.9	47.0	46.4	45.5	44.4	42.2	40.6	38.6
100				41.6	41.3	40.4	39.9	39.0	38.3	36.7	35.4	33.4
110					36.1	35.2	34.7	33.8	33.1	32.0	30.9	29.0
120						30.8	30.4	29.5	28.8	27.9	27.1	25.4
130						27.1	26.7	25.8	25.3	24.2	23.5	22.2
140							23.7	22.8	22.1	21.2	20.6	19.6
150							20.9	20.0	19.6	18.5	17.8	17.0
160								17.8	17.3	16.3	15.7	14.7
180									13.4	12.4	11.8	11.0
200										9.2	8.9	8.0
220												5.5
230												4.4

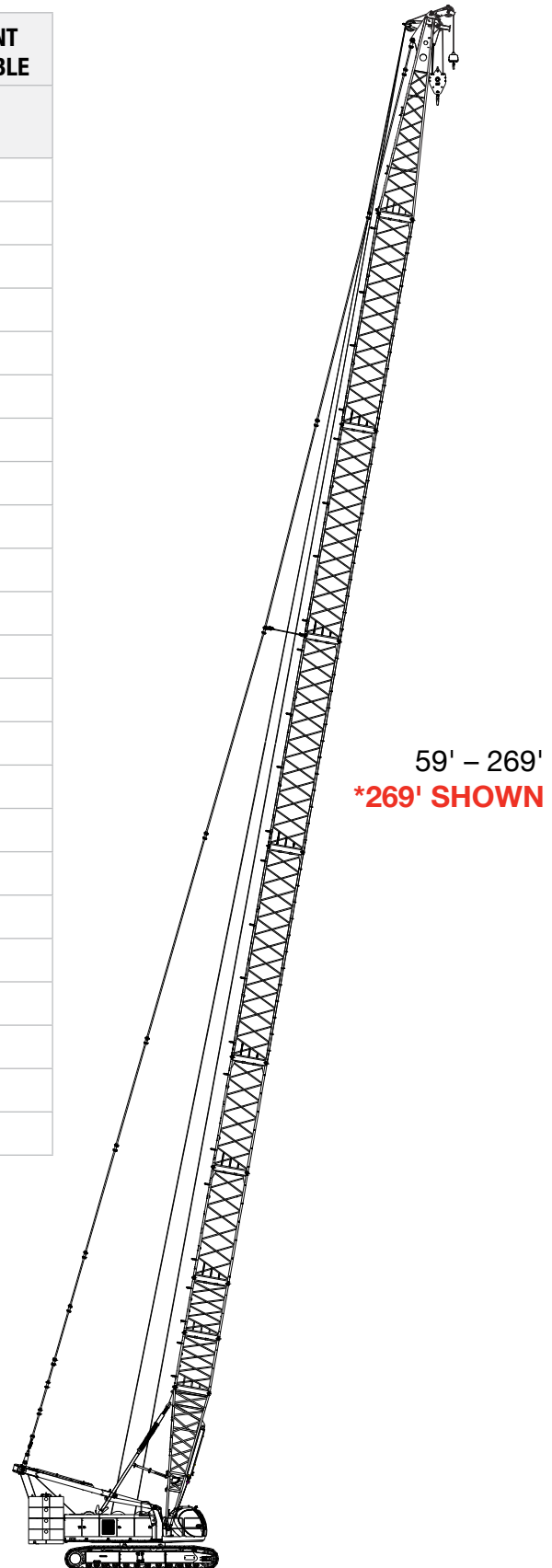
*This material is supplied for reference only. Operator must refer to Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly operating procedures.



BOOM LENGTH (ft)	BOOM INSERT			BOOM MID-POINT SUSPENSION CABLE
	9' 10" (3 m)	19' 8" (6 m)	37' 8" (11.5 m)	7' 4" (2.24 m)
59'	—	—	—	—
69'	1	—	—	—
79'	2	—	—	—
89'	1	1	—	—
98'	2	1	—	—
108'	1	2	—	—
118'	2	2	—	—
126'	1	1	1	—
136'	2	1	1	—
146'	1	2	1	—
156'	2	2	1	—
164'	1	1	2	—
174'	2	1	2	—
184'	1	2	2	—
194'	2	2	2	—
202'	1	1	3	—
212'	2	1	3	—
221'	1	2	3	—
231'	2	2	3	—
240'	1	1	4	—
249'	2	1	4	1
259'	1	2	4	1
*269'	2	2	4	1

NOTES:

1. If the boom length is 241', 259' or 269', the 2.24 m boom mid-point suspension cable will be adopted, with its installation position referred to in the "Boom configuration table."
2. Note: when selecting the boom extension, see boom operating condition load table in cab.



SCC8150
43 FT FIXED JIB LOAD CHART

 0908A
 +
 2119B

 127,868 lbs
 +
 35,274 lbs

BOOM ANGLE 10°

BOOM LENGTH (ft)

LOAD RADIUS (ft)	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
40	52.5							
50	48.6	48.1	47.6	46.9	44.0			
60	45.7	45.0	44.3	43.9	43.0	42.3	41.9	40.3
70	43.3	42.8	42.3	41.6	41.1	40.5	40.1	39.4
80	41.2	41.0	40.7	39.8	39.6	39.0	38.4	37.7
90	39.5	39.4	39.1	38.5	38.1	37.3	37.1	36.2
100	38.4	38.0	37.8	37.2	36.6	35.8	35.6	34.9
110	37.6	37.9	37.3	36.4	35.7	34.9	33.8	31.5
120		34.3	33.7	32.8	32.1	31.3	30.3	27.8
130		30.6	30.0	29.3	28.4	27.5	26.9	24.7
140			26.9	26.1	25.4	24.5	23.9	21.9
150			24.2	23.3	22.7	21.8	21.1	19.4
160				21.0	20.4	19.6	18.9	17.4
170				18.8	18.4	17.5	16.9	15.3
180					16.5	15.6	14.9	13.6
190						14.1	13.3	12.0
200						12.6	11.9	10.6
210							10.6	9.3
220								8.0
230								7.1
240								6.0

BOOM ANGLE 30°

BOOM LENGTH (ft)

LOAD RADIUS (ft)	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
50	40.7							
60	39.4	38.9	38.0	37.4	36.8			
70	38.9	38.6	37.7	36.9	36.1	35.6	35.7	
80	38.0	37.8	36.9	36.3	35.6	35.2	34.7	33.6
90	37.4	36.9	36.3	35.6	34.8	34.2	33.8	32.9
100	37.0	36.4	35.5	34.9	34.1	33.1	32.6	31.2
110	36.5	35.8	35.1	34.2	33.4	32.1	31.6	29.2
120	35.4	35.0	34.5	33.9	33.2	32.5	30.8	27.5
130		31.1	30.6	30.0	29.3	28.6	28.0	25.8
140			27.3	26.7	26.2	25.3	24.8	23.1
150			24.5	23.8	23.3	22.7	22.0	20.5
160				21.4	20.9	20.1	19.6	18.2
170				19.3	18.6	18.0	17.5	16.2
180					16.8	16.2	15.6	14.3
190					5.1	14.4	14.0	12.7
200						12.8	12.4	11.2
210							10.8	9.7
220							9.6	8.5
230								7.3
240								6.3

*This material is supplied for reference only. Operator must refer to Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly operating procedures.

SCC8150
62 FT FIXED JIB LOAD CHART

 0908A
 +
 2119B

 127,868 lbs
 +
 35,274 lbs

BOOM ANGLE 10°

BOOM LENGTH (ft)

LOAD RADIUS (ft)	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
45	42.9	42.3						
50	41.4	41.0						
60	35.6	38.1	37.6	77.6	36.7			
70	37.9	35.1	34.8	34.2	34.1	33.7	33.3	33.4
80	33.3	33.2	33.1	203	32.4	32.0	31.4	30.9
90	31.5	31.3	30.9	199	30.1	29.4	29.3	29.2
100	30.0	29.7	29.5	194	28.6	28.0	27.4	26.3
110	28.6	28.1	27.5	189	26.1	25.3	24.3	23.5
120	27.6	26.6	26.0	183	24.4	23.6	22.7	21.8
130	26.8	25.5	24.5	175	22.7	21.8	20.7	19.9
140		24.9	23.4	167	21.4	20.6	19.7	18.6
150		24.9	22.8	159	20.7	19.9	19.2	18.3
160			22.3	148	20.4	19.5	18.7	17.8
170			20.4	136	19.1	18.2	17.5	15.8
180				122	17.1	16.3	15.6	14.1
190				106	15.5	14.8	14.0	12.6
200					14.2	13.3	12.6	11.1
210						11.9	11.2	9.9
220						10.7	10.0	8.7
230							9.0	7.7
240								6.6
250								5.6
260								4.8

BOOM ANGLE 30°

BOOM LENGTH (ft)

LOAD RADIUS (ft)	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
65	30.5							
70	30.3	29.8	28.9	28.2				
80	29.7	29.5	28.9	27.9	27.5	26.6	25.7	
90	28.7	28.4	28.3	27.2	26.7	25.9	25.0	24.5
100	27.9	27.5	26.9	26.1	25.6	24.8	24.3	23.2
110	26.5	26.1	25.6	25.1	24.4	23.6	22.9	21.7
120	25.9	25.3	24.4	24.1	23.3	22.5	21.8	20.6
130	25.6	24.9	24.1	23.2	22.4	21.5	21.0	19.9
140	25.2	24.6	23.7	22.8	21.9	20.8	20.2	19.0
150		24.0	23.2	22.3	21.4	20.3	19.3	18.2
160			22.6	21.8	21.1	19.8	18.9	17.6
170			20.8	20.2	19.7	19.1	18.3	17.1
180				18.2	17.8	17.1	16.5	15.3
190				16.6	16.2	15.5	14.9	13.7
200					14.5	13.8	13.3	12.2
210					13.0	12.3	11.9	10.6
220						11.0	10.5	9.4
230							9.3	8.2
240							8.2	7.1
250								6.1
260								5.1

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SCC8150
82 FT FIXED JIB LOAD CHART

 0908A
 +
 2119B

 127,868 lbs
 +
 35,274 lbs

BOOM ANGLE 10°

LOAD RADIUS (ft)	BOOM LENGTH (ft)							
	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
50	33.4							
60	31.8	31.5	31.4	31.2				
70	30.2	29.9	30.1	29.8	29.6	28.9	27.9	
80	28.6	28.5	28.5	28.5	28.5	27.9	27.2	25.5
90	27.4	27.2	27.2	27.2	27.1	26.9	26.3	24.8
100	26.7	26.4	26.2	26.1	26.0	25.9	25.5	24.2
110	26.3	25.7	25.5	25.3	25.3	25.1	24.8	23.5
120	24.2	23.9	23.7	23.7	23.5	23.0	23.0	22.6
130	23.7	23.0	23.0	22.8	22.8	22.7	22.7	22.3
140	22.8	22.3	22.3	22.1	22.1	21.9	21.7	21.5
150	22.1	21.5	21.3	21.3	21.3	21.0	20.8	20.0
160		21.1	21.0	20.8	20.6	20.4	20.0	18.0
170		19.9	20.5	19.9	19.3	18.6	18.0	16.0
180			18.9	18.2	17.6	16.7	16.0	14.3
190			17.3	16.6	16.0	15.1	14.4	12.8
200				15.2	14.6	13.7	13.0	11.5
210					13.2	12.3	11.7	10.1
220					11.9	11.1	10.4	8.9
230						10.1	9.5	7.9
240							8.4	6.9
250							7.4	5.9
260								5.1
270								4.3
280								3.4

BOOM ANGLE 30°

LOAD RADIUS (ft)	BOOM LENGTH (ft)							
	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
75	23.6							
80	23.6	22.7	22.5					
90	23.0	22.8	22.5	22.1	21.7	20.9		
100	22.6	22.3	22.1	21.7	21.1	20.5	19.7	18.6
110	21.9	21.3	20.7	20.4	19.9	19.3	18.8	17.8
120	21.0	20.6	20.4	19.7	19.1	18.4	18.1	16.9
130	20.2	20.2	19.7	19.2	18.4	17.7	17.1	16.2
140	19.5	19.1	18.8	18.6	17.7	16.8	16.4	15.7
150	19.0	19.0	18.2	17.7	16.9	16.2	15.8	14.9
160	18.7	18.1	17.3	16.8	16.1	15.5	14.9	14.1
170		18.1	17.0	16.1	15.4	14.8	14.1	13.2
180			16.6	15.7	14.8	14.1	13.5	12.3
190			16.3	15.4	14.3	13.4	12.6	11.2
200				15.1	14.0	13.1	12.0	10.8
210				14.1	13.7	13.0	11.9	10.6
220					12.3	11.6	11.2	10.0
230						10.6	9.9	8.8
240						9.3	8.9	7.8
250							7.8	6.7
260							6.9	5.8
270								4.8
280								3.9

*This material is supplied for reference only. Operator must refer to Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly operating procedures.

SCC8150
102 FT FIXED JIB LOAD CHART

 0908A
 +
 2119B

 127,868 lbs
 +
 35,274 lbs

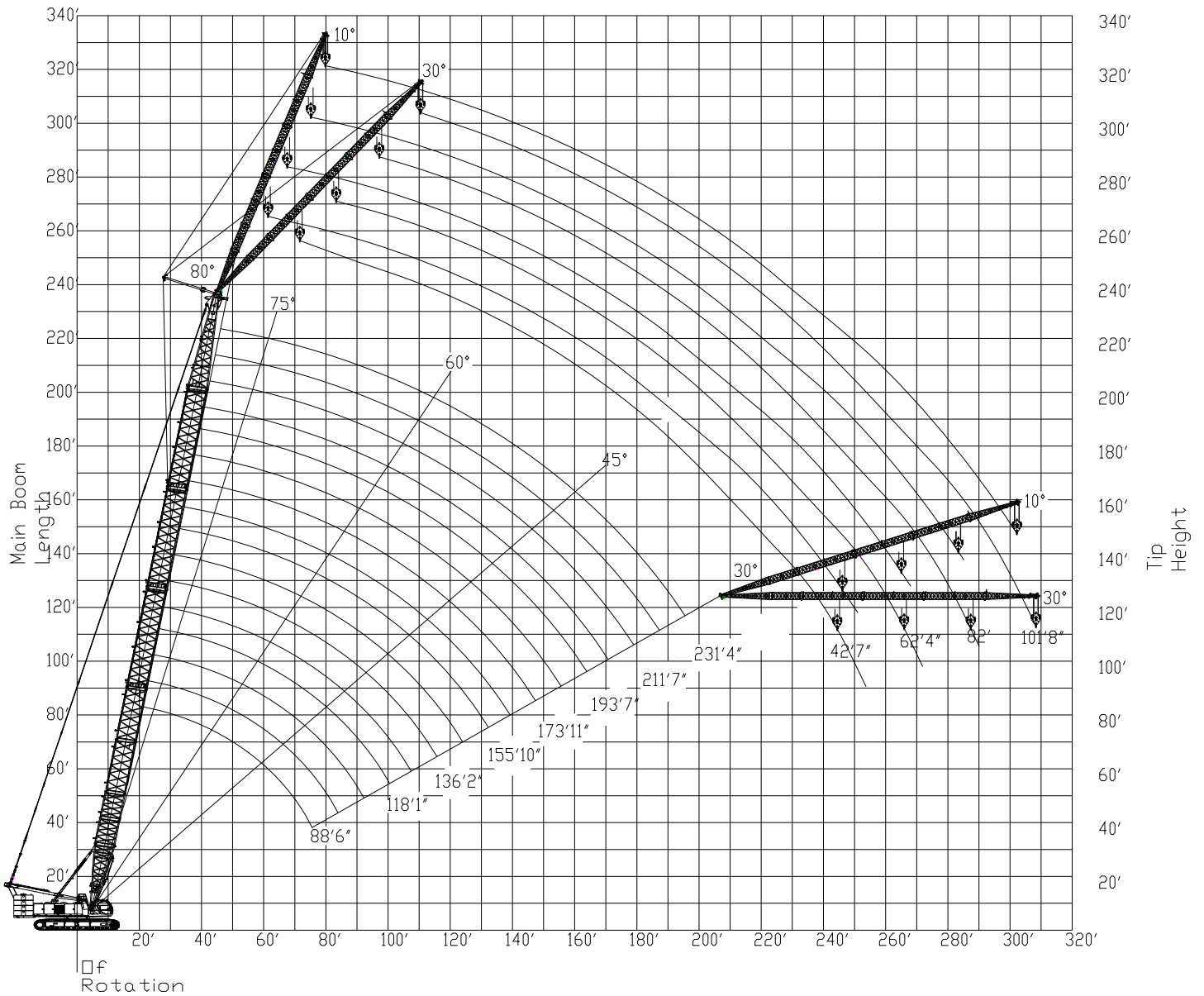
BOOM ANGLE 10°

LOAD RADIUS (ft)	BOOM LENGTH (ft)							
	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
60	20.8	20.8	20.9					
70	19.8	19.8	19.8	19.8	19.8	19.5	20.0	
80	18.9	18.8	18.8	18.8	18.8	18.8	18.5	
90	18.3	18.1	18.1	18.0	18.0	18.0	17.9	17.5
100	17.9	17.7	17.7	17.5	17.6	17.5	17.4	17.0
110	17.2	17.0	17.0	16.9	16.9	16.9	16.9	16.3
120	16.7	16.7	16.4	16.4	16.4	16.4	16.2	16.0
130	16.2	16.2	16.0	16.0	15.8	15.8	15.8	15.5
140	15.7	15.7	15.5	15.5	15.3	15.3	15.3	15.1
150	15.2	15.2	15.2	15.0	14.8	14.8	14.8	14.6
160	14.6	14.6	14.5	14.3	14.3	14.1	14.1	14.0
170	14.1	14.1	14.1	13.9	13.9	13.7	13.7	13.7
180		13.8	13.8	13.6	13.6	13.5	13.5	13.5
190		13.2	13.2	13.0	13.0	12.8	12.8	12.6
200			12.9	12.9	12.7	12.7	12.6	11.5
210			12.3	12.3	12.6	12.6	11.9	10.4
220				12.1	12.0	11.3	10.7	9.1
230					11.0	10.4	9.7	8.2
240					10.0	9.3	8.7	7.1
250						8.3	7.6	6.1
260							6.8	5.3
270							6.1	4.5
280								3.7
290								3.0
301								2.2

BOOM ANGLE 30°

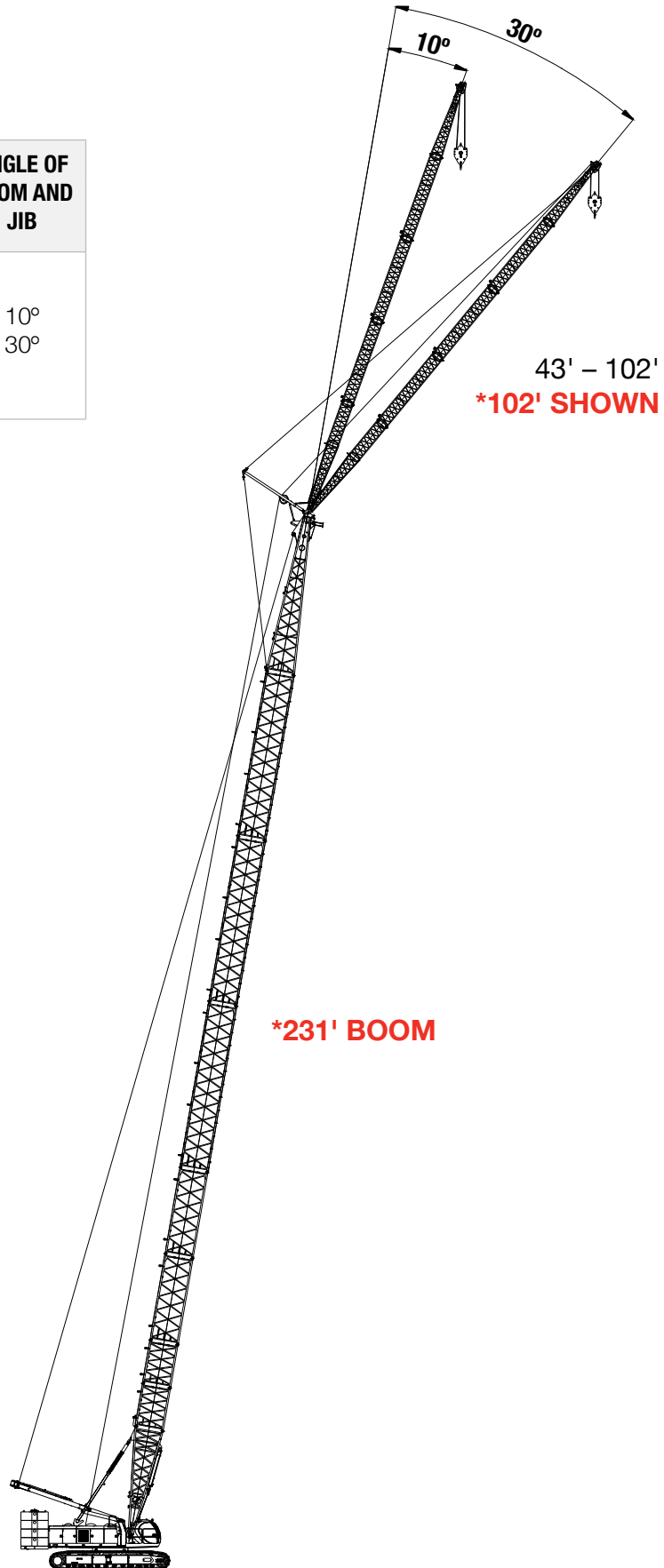
LOAD RADIUS (ft)	BOOM LENGTH (ft)							
	89	108	126	146	164	184	202	231
	CAPACITY (x 1000 lb)							
90	17.8	17.2						
100	17.1	17.0	16.7	16.7	16.8			
110	16.4	16.3	16.0	16.0	16.0	15.8	15.8	15.7
120	16.0	15.8	15.5	15.2	15.2	14.9	14.8	14.7
130	15.1	14.9	14.7	14.6	14.4	14.0	14.0	13.8
140	14.4	14.2	14.0	13.7	13.5	13.1	12.9	12.6
150	13.8	13.7	13.1	12.9	12.7	12.4	12.2	11.8
160	13.3	13.1	12.4	12.1	11.9	11.5	11.2	10.8
170	13.0	12.8	11.9	11.5	11.1	10.7	10.4	9.9
180	12.9	12.5	11.6	10.8	10.2	9.8	9.5	9.1
190		12.1	11.2	10.4	9.5	9.0	8.8	8.2
200			11.1	10.0	9.1	8.4	8.4	7.7
210			10.6	9.7	8.8	8.2	7.9	7.1
220				9.4	8.5	7.6	7.3	6.4
230					7.9	7.3	6.6	6.0
240					7.7	6.9	6.1	4.8
250						6.4	5.5	4.2
260						6.3	5.4	4.1
270							5.3	4.0
280							5.3	4.0
290								3.6
301								2.7

*This material is supplied for reference only. Operator must refer to Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly operating procedures.





BOOM LENGTH (ft)	BOOM INSERT		ANGLE OF BOOM AND JIB
	9' 10" (3 m)	19' 8" (6 m)	
43'	1	—	10° 30°
62'	1	1	
82'	1	2	
*102'	1	3	





SANY
AMERICA

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