

SCA2600A

LATTICE BOOM
CRAWLER CRANE

SANY



Max Boom Length: 301.8ft (92m)

Max Fixed Jib Combination: 203.4ft + 137.8ft (62m + 42m)

Max Luffing Jib Combination: 203.4ft + 206.7ft (62m + 63m)

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



Lattice Boom Crawler Crane SCA2600A

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P09	Technical Parameters	<ul style="list-style-type: none">• Major Performance Specifications• Basic Dimensions of Crane• Transportation Dimensions• Self-Assembly and Disassembly• Boom and Attachment Assembly
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**SCA2600A
LATTICE BOOM CRAWLER CRANE
300 UST (272 mt) LIFTING CAPACITY**

MADE FOR AMERICA

Main Characteristics

- Page 3 Product Specification
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Product Specification



Engine

- Model: Cummins QSG12 Diesel engine;
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with US EPA Tier F4(f) Emission Standard;
- Displacement: 720 in³ (11.8L);
- Max. Rated Power: 450 HP/1800rpm;
- Max. Torque: 1,600 ft-lb/1400rpm;
- Starter: 24V-8 HP;
- Radiator: Fin type aluminum plate core;
- Air cleaner: Dry type system with main filter element, safety element and resistance indicator;
- Throttle: Electrically controlled hand and foot throttle;
- Fuel filter: Replaceable paper element;
- Batteries: Two 12V×180Ah capacity batteries, connected in series (24V system);
- Fuel tank capacity: 132Gal (500L).

Hydraulic System

- Main pumps: Three variable displacement piston pumps provide power for the main machine functions;
- Gear Pumps: Two gear pumps provide power for radiator and control circuit;
- Control: Electrically controlled positive hydraulic flow control allows for safe and precise multifunction operation;
- Oil Cooler: Fan cooled heat exchanger provides multi stage hydraulic oil cooling;
- Filter: Peak flow, high efficiency filter with bypass valve and replacement filter indicator. Indicator will remind user when its time to replace filter;
- Max. pressure of system: 4,786 psi;
- Main/aux. hoist and travel system: 4,796 psi;
- Swing system: 4,602 psi;
- Control system: 508 psi;
- Hydraulic Tank Capacity: 211Gal (800L).

Main and Aux Hoist Winches

- The main and aux. winches are driven independently and feature a compact design that is easy to assemble. The maintenance-free wet brake ensure safe winch operation;
- Variable displacement hydraulic motor is load sensing and adjust automatically to provide high line speed while maintaining line pull;
- Rotation resistance rope provides safe load lifting and long service life;
- Wire rope button end termination provides convenient and easy socket installation;
- Free fall winches are optional.

Main Hoisting Winch	Drum diameter (non free fall)	24.8" (630mm)
	Drum diameter (free fall)	33" (837mm)
	Rope speed on the outermost work layer (non free fall)	0~410ft/min (0~125m/min)
	Rope speed on the outermost work layer (free fall)	0~384ft/min (0~117m/min)
	Wire rope diameter	1.1" (28mm)
	Wire rope length for main hoisting winch	1,804.5' (550m)
	Rated single line pull	33.1Klb (15t)
Auxiliary Hoisting Winch	Drum diameter (non free fall)	24.8" (630mm)
	Drum diameter (free fall)	33" (837mm)
	Rope speed on the outermost work layer (non free fall)	0~410ft/min (0~125m/min)
	Rope speed on the outermost work layer (free fall)	0~384ft/min (0~117m/min)
	Wire rope diameter	1.1" (28mm)
	Wire rope length for aux. hoisting winch	1,279.5' (390m)
	Rated single line pull	33.1Klb (15t)



Product Specification

Boom Hoist Winches

- Including: winches for boom and luffing jib;
- Winches with grooved lagging allow for multilayer spooling. Hydraulic motor drives the planetary gear reducer to provide multifunction and fine inching control. Spring load brake is hydraulic released.

Boom Hoist Winch	Drum diameter	24.8" (630mm)
	Rope speed on the outermost work layer	0~427ft/min (0~130m/min)
	Wire rope diameter	1.1" (28mm)
	Wire rope length of boom luffing winch	925.2' (282m)
	Rated single line pull	50.7Klb (23t)
Luffing Jib Hoist Winch	Drum diameter	16" (470mm)
	Rope speed on the outermost work layer	0~253ft/min (0~77m/min)
	Wire rope diameter	.79" (20mm)
	Wire rope length of jib luffing winch	1345.1' (410m)
	Rated single line pull	17.6Klb (8t)

Swinging Mechanism

- Large swing motor drives a planetary gear reducer to provide smooth 360° rotation. The swing speed is variable and the max speed is 1.8 rpm. Swing system has free swing and auto brake mode. Swing brake is automatic applied when control lever is in neutral to prevent movement during travel and transportation. Swing bearing is a three-row roller with external gears.

Cab and Control

- The new operator cab is designed with PORSCHE and features a smooth outline that has a distinct brand identification. The spacious cab has a fully enclosed steel frame, sliding door, and large areas of high strength tempered glass that provide the operator a wide field of vision. The cab tilts up 25° providing the operator a panorama view and reducing fatigue. The cab and control layout allow for ergonomic operation keeping the operator comfortable;
- Monitor: Dual touch screen display with simple user friendly interface;
- Armrest Console: Control handles electrical switches, emergency stop, and ignition switch are located on the left and right. Arm console can be adjusted independent of the seat;

- Seat: Multi-way adjustable floating seat;
- HVAC: Powerful air conditioner and heater with optimized vent locations. Air conditioner can drop cab temperature from 131°F (55°C) to 81.5°F (27.5°C) within 20 minutes;
- Cameras: Multiple cameras can be displayed on the monitor at the same time. This provides the operator with a real time view of winches, right side of machine, rear of machine, and view from boom tip;
- Dual axis controls for travel, swing, main, aux, boom hoist, and luffing jib hoist winches.

Counterweight

- Counterweight tray and block nest together for east assembly, disassembly and transportation;
- Rear counterweight: total weight 220.5Klb (100mt), 13.2Klb (6mt) counterweight block x 14, 35.3Klb (16mt) counterweight tray x 1;
- Carbody counterweight: total weight 88.2Klb (40mt), 44.1Klb (20mt) x 2.

Name	Quantity	Length	Width	Height	Unit Weight
Carbody Counterweight	2	18' (5.48m)	5'8" (1.72m)	2' (0.6m)	44.1Klb (20mt)
Rear Counterweight Block	14	7'1" (2.17m)	6'5" (1.96m)	1'8" (0.51m)	13.2Klb (6mt)
Rear Counterweight Tray	1	24'7" (7.5m)	6'5" (1.96m)	2'4" (0.7m)	35.3Klb (16mt)

Product Specification



Carbody

- Side frames pin with hydraulic cylinders to the carbody for easy assembly and disassembly. High-strength steel welded frame is designed with a large chassis to improve the stability of the crane.

Crawler Assembly

- Each side frame is equipped with an independent travel driving motor. The variable speed travel system is configured with speed options to meet various requirements: low speed provides max tractive effort and provides 100% pick and carry. High speed provides fast job site transfer.

Track Pad

- Manufactured by advance casting techniques and materials providing high strength and excellent wear resistance;
- 47.2in (1200mm) wide and each side frame has 74 track pads.

Jack Cylinder

- Standard jack cylinders make jobsite transport easier.

Boom

- Lattice structure with high-strength steel chords. Each section is pinned together with pins;
- The length of the boom ranges from that (65.6ft/20m) of the basic boom to the maximum length (301.8ft/92m) and it can be incrementally changed by 9.8ft (3m).

Fixed Jib

- Lattice structure with high-strength steel chords. Each section is pinned together with pins;
- The length of fixed jib ranges from 42.7ft (13m) to 137.8ft (42m), which can be incrementally changed by 19.7ft (6m) and can be installed on boom from 95.1ft (29m)–203.4ft (62m).

Luffing Jib

- Lattice structure with high-strength steel chords. Each section is pinned together with pins;
- The length of the luffing jib ranges from 68.9ft (21m) to 206.7ft (63m), incrementally changed by 9.8ft (3m), which can be installed on boom from 85.3ft (26m)–203.4ft (62m).

Hook Block

- There are five hook capacity for options:

Hook Type	Max. lifting weight	QTY	No. of sheaves	Unit weight
330 UST	661.4Klb (300mt)	1	9	10.9Klb (4.9mt)
176 UST	352.7Klb (160mt)	1	5	7.1Klb (3.2mt)
110mt	220.5Klb (100mt)	1	3	5.1Klb (2.3mt)
55mt	110.2Klb (50mt)	1	1	3.7Klb (1.7mt)
17.6 UST ball hook	35.3Klb (16mt)	1	None	2.0Klb (0.9mt)



Safety Devices

Assembly/Work Mode Switch

- In assembly mode, some of the safety devices are bypassed for helping crane assembly, for example, jib lower limit, boom angle limit and overload;
- In work mode, all safety devices are active.

Emergency Stop

- When this button is pressed down power supply to whole machine is cut off and all actions are stopped.

Load Moment Indicator (LMI)

- The proprietary load moment indicator is independently developed by Sany, which is a specially designed over-load protective system for SCA series crawler crane, with performance structural parameters of all series of crawler cranes directly stored inside, such as bearing curve, boom and jib weight, center of gravity, and other geometrical parameters. This system maximizes the utilization efficiency of the crane while guaranteeing the lifting safety;
- The independent safety control system fully controlled by computer, the LMI can automatically detect the load weight, work radius, and boom angle, compare rated capacity with actual load, actual radius and actual boom angle. In normal operation, the LMI can intelligently determine and cut off the crane from dangerous operation. It also has a black box function and record overload information;
- LMI consists of a 13.6in (345mm) large colorful display, computer, angle sensors, load sensors and pressure sensors.

Over-hoist Protection of the Main and Auxiliary Hooks (Anti Two Block)

- It is used to prevent the over-hoist of the hook. When the lifting hook is raised to a certain height, the limit switch is activated, and hook hoisting will be automatically cut off by the control system. Warning will be displayed in monitor and alarm will sound. At this moment, only hook lowering is allowed to prevent over-hoist action.

Over-release Protection Device of the Main and Auxiliary Hook (Third Wrap Indicator)

- It is used to prevent the wire rope over-release. When the wire rope is released to the last three wraps, the limit switch will activate, and the releasing of rope will be automatically stopped by the control system. Warning will be displayed in monitor and alarm will sound. At this moment, only rope retraction is allowed to prevent over release 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 control handle movement.

Boom/Luffing Jib Hoist Drum Lock

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

Safety Devices



Crane boom/jib limit device

- When the boom angle exceeds 85° or 88° (LJ configuration) jib angle exceeds 75°, corresponding limit switch will be triggered, and the control system will automatically cut off the boom hoisting. Warning will be displayed in monitor and alarm will sound. At this moment, boom/jib luffing winch won't hoist but it can still lower down;
- When the boom angle is less than 30° or jib down angle is less than 15°, the control system will automatically cut off the boom/jib from further lowering. Warning will be displayed in monitor and alarm will sound. At this moment, boom/jib luffing winch won't be able to lower. This protection is automatically controlled by Load Moment Indicator.

Boom Angle Indicator

- It is a pendulum-type angle indicator fixed on one side of the boom base.

Hook Latch

- The lifting hook is installed with a baffle plate to prevent wire rope from falling off.

Backstop Device

- The boom and the jib are respectively equipped with a pair of backstop cylinders. The high pressure of the cylinder limit boom travel at high angles and provide cushion to prevent vibration. When the jib reaches max angle the backstop limit jib travel.

Camera System

- High-definition camera on boom tip, on each winch, at the rear of the upper and dual displays consist of the camera, which can display four camera views at the same time. Real-time monitoring of each winch help ensure safe operation. The boom tip camera can zoom in/out as needed;
- Components of the boom tip camera: wireless remote transmitter, wireless remote receiver, zoom camera;
- The video recorder can store up to 76 hours of video.

Tri-color Load Indicator

- The load indication light has three colors, green, yellow and red, and the real time load status is presented on the display. When the actual load is smaller than 90% of rated load, the green light is on;
- When the actual load is larger than 90% and smaller than 100%, the yellow light is on, the alarm light flashes and sends out intermittent sirens;
- When the actual load reaches 100% of rated load, the red light is on, the alarm light flashes and sends out continuous sirens;
- When the actual load reaches 102% of rated load, the system will automatically cut off the crane operation.

Black Box

- It is able to record the operation data and machine movement, and analyze the remaining running conditions and service life of machine based on the actual performance.



Safety Devices

Pharos (Aircraft Warning Light)

- Light mounted on the top of boom/jib that flashes at night.

Anemometer

- It is mounted on the top of the boom/jib and displays the wind speed in the monitor in the cab.

Electronic Level Indicator

- It displays the tilting angle of the crane on the monitor in real time and protects the safe operation of the crane.

Lightning Protection Device

- It includes the lightning protection device and the surge protection device, which can effectively protect the electric system elements and workers from lightning.

Swing and Traveling Alarm

- During swing and traveling, the alarm will sound to alert the personnel around the crane. The alarm can be shut off through the display.

Engine Power Limit Load Adjustment and Stalling Protection

- The controller can monitor the engine power to prevent stalling.

Proactive Safety Control Technology

- Reduce the swinging speed automatically based on boom length;
- Reduce the action speed when approaching safety limit, to prevent sudden stops;
- Real-time monitor of hydraulic oil temperature. Based on hydraulic temperature activity may be limited to protect hydraulic components.

Illuminating Light

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

Rear View Mirror

- It is installed on the left of the operator's cab for monitoring the rear part of the machine.

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LATTICE BOOM CRAWLER CRANE
300 UST (272 mt) LIFTING CAPACITY**

MADE FOR AMERICA

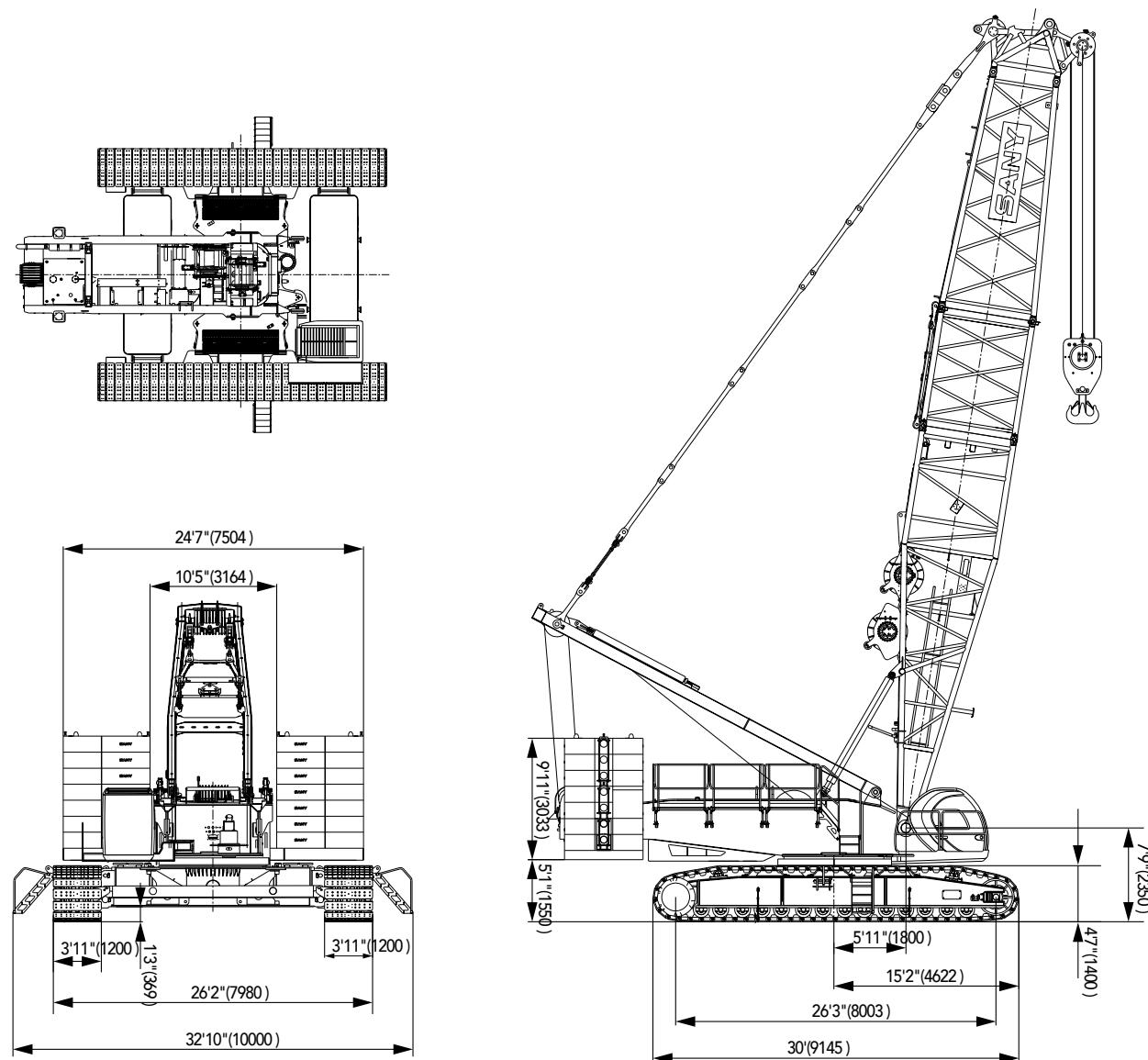
Technical Parameters

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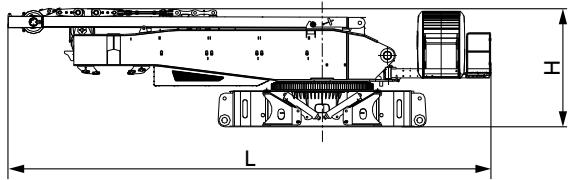
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Main Performance Specifications

Major Performance Specifications of SCA2600A			
Performance Indicators		Unit	Parameter
Boom Configuration	Max. rated lifting capacity	Klb (mt)	600 (272)
	Max. rated lifting moment	Klb·ft (mt·m)	405.2Klb×26ft (183.8×8)
	Boom length	ft (m)	65.6~301.8 (20~92)
Fixed Jib Configuration	Boom angle	°	30°~85°
	Longest boom + longest fixed jib	ft (m)	203.4+137.8 (62+42)
	Boom to jib angle	°	10°, 30°
Heavy Fixed Jib Configuration	Boom + heavy fixed jib	ft (m)	65.6+39.4 (20+12)
	Boom to jib angle	°	20
Luffing Jib Configuration	Largest lifting moment	lbs·ft (mt·m)	137,786×59 (62.5×18)
	Longest boom + longest luffing jib	ft (m)	203.4+206.7 (62~63)
	Boom luffing angle	°	65°~88°
Operation Speed	Speed of single rope of the main hoist (outermost work layer)	ft/min (m/min)	0~410.1 (0~125)
	Max. (aux.) speed of single rope of the main hoist (free fall) (optional)	ft/min (m/min)	0~383.9 (0~117)
	Boom hoist winch speed (outermost layer)	ft/min (m/min)	0~433.1 (0~132)
	Jib hoist winch speed (outermost layer)	ft/min (m/min)	0~252.6 (0~77)
	Swinging speed	rpm	0~1.8
	Travel speed	mile/h(km/h)	0~0.62 (0~1.0)
Machine weight	Basic boom, 220.5Klb rear counterweight, 88.2Klb carbody counterweight, 330 UST hook	Klb (mt)	562.2 (255)
Engine	Output power	HP	450
	Rated speed	rpm	1,800
Transport Parameter	Max. transport weight of single part (with main and aux. hoist winches)	Klb (mt)	99.2 (45)
	Max. transport dimension of single part (L × W × H)	ft (m)	43.7×9.8×10.5 (13.32×3×3.2)
Other Parameters	Average ground pressure	PSI	20
	Gradeability	--	30%

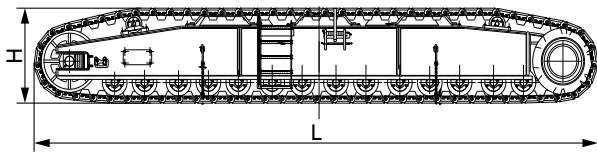
Basic Dimensions of Crane

Transportation Dimensions



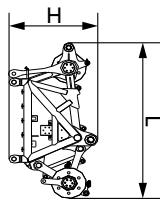
Basic Machine x1

Length (L)	43.7ft (13.32m)
Width (W)	9.8ft (3.0m)
Height (H)	10.5ft (3.20m)
Weight	99.2Klb (45mt)



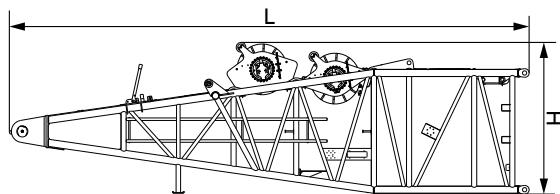
Crawler Assembly x2

Length (L)	30.0ft (9.15m)
Width (W)	3.9ft (1.20m)
Height (H)	4.6ft (1.40m)
Weight	48.5Klb (22mt)



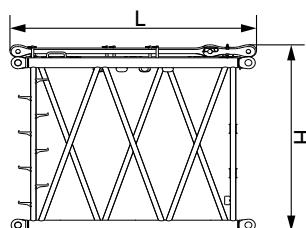
Boom Tip (with sheave block) x1

Length (L)	10.6ft (3.24m)
Width (W)	6.8ft (2.07m)
Height (H)	5.3ft (1.62m)
Weight	7.7Klb (3.5mt)



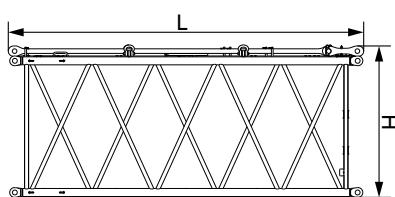
Boom Base (with winch) x1

Length (L)	34.0ft (10.35m)
Width (W)	8.5ft (2.60m)
Height (H)	9.8ft (2.99m)
Weight	29.9Klb (13.58mt)



9.8ft (3m) Boom insert x1

Length (L)	10.4ft (3.18m)
Width (W)	8.7ft (2.65m)
Height (H)	8.7ft (2.66m)
Weight (with auxiliary luffing hoist)	2.9Klb (1.3mt)



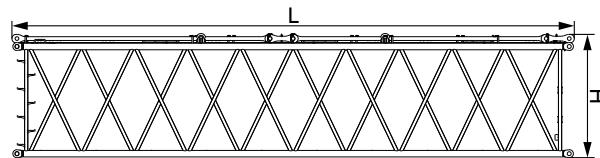
19.7ft (6m) Boom insert x2

Length (L)	20.3ft (6.18m)
Width (W)	8.7ft (2.65m)
Height (H)	8.7ft (2.66m)
Weight	4.4Klb (2.0mt)

Transportation Dimensions

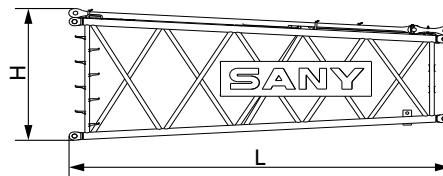
39.4ft (12m) boom insert x5

Length (L)	40.0ft (12.18m)
Width (W)	8.7ft (2.65m)
Height (H)	8.7ft (2.66m)
Weight	7.9Klb (3.6mt)



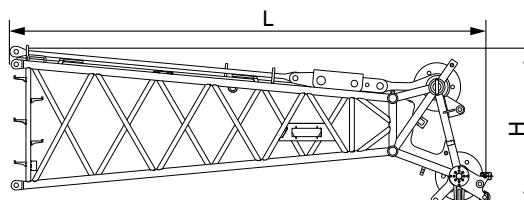
19.7ft (6m) tapered boom insert x1

Length (L)	20.3ft (6.20m)
Width (W)	8.7ft (2.65m)
Height (H)	8.7ft (2.66m)
Weight	4.4Klb (2.0mt)



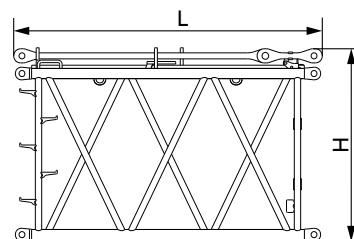
Luffing jib top x1

Length (L)	21.2ft (6.46m)
Width (W)	7.0ft (2.12m)
Height (H)	6.9ft (2.10m)
Weight	5.3Klb (2.4mt)



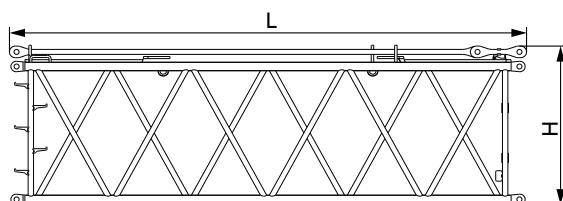
9.8ft (3m) Luffing jib insert x1

Length (L)	10.4ft (3.17m)
Width (W)	7.0ft (2.12m)
Height (H)	6.3ft (1.91m)
Weight	1.4Klb (0.63mt)



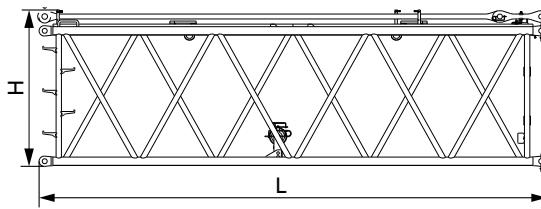
19.7ft (6m) Luffing jib insert x1

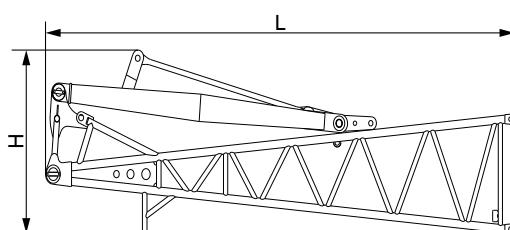
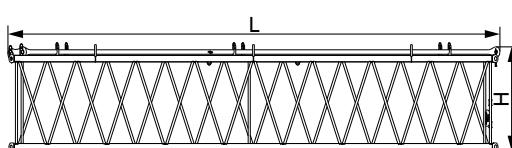
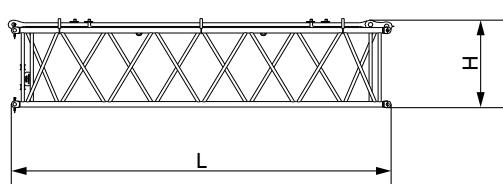
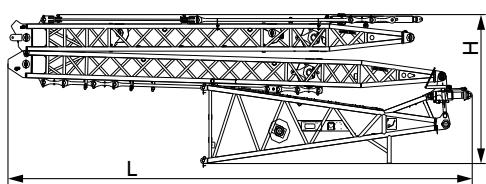
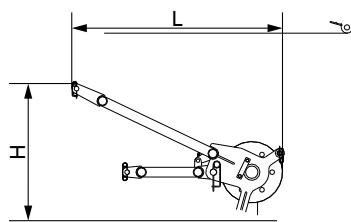
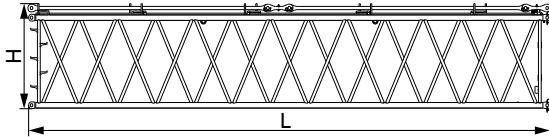
Length (L)	20.2ft (6.17m)
Width (W)	7.0ft (2.12m)
Height (H)	6.3ft (1.91m)
Weight	2.3Klb (1.04mt)



19.7ft (6m) luffing jib insert x1

Length (L)	20.2ft (6.17m)
Width (W)	7.0ft (2.12m)
Height (H)	6.3ft (1.91m)
Weight	2.3Klb (1.05mt)



Transportation Dimensions**39.4ft (12m) Luffing jib insert**

x3

Length (L)	40.0ft (12.17m)
Width (W)	7.0ft (2.12m)
Height (H)	6.3ft (1.91m)
Weight	4.3Klb (1.95mt)

Auxiliary tip extension

x1

Length (L)	7.2ft (2.2m)
Width (W)	3.1ft (0.95m)
Height (H)	4.7ft (1.44m)
Weight	1.0Klb (0.42mt)

Jib base, front and rear mast of luffing jib

x1

Length (L)	37.7ft (11.49m)
Width (W)	6.9ft (2.11m)
Height (H)	10.7ft (3.26m)
Weight	12.1Klb (5.5mt)

19.7ft (6m) fixed jib insert

x1

Length (L)	20.0ft (6.11m)
Width (W)	4.9ft (1.50m)
Height (H)	4.7ft (1.42m)
Weight	1.7Klb (0.75mt)

37.7ft (11.5m) fixed jib insert

x1

Length (L)	38.3ft (11.67m)
Width (W)	5.0ft (1.50m)
Height (H)	4.7ft (1.42m)
Weight	2.9Klb (1.3mt)

Fixed jib base and mast

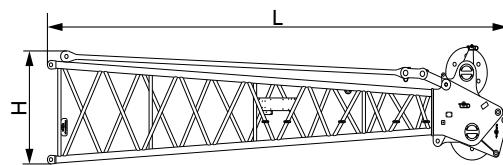
x1

Length (L)	22.0ft (6.70m)
Width (W)	4.7ft (1.42m)
Height (H)	6.6ft (2.00m)
Weight	3.7Klb (1.7mt)

Transportation Dimensions

Fixed jib top x1

Length (L)	23.3ft (7.10m)
Width (W)	4.7ft (1.42m)
Height (H)	4.7ft (1.43m)
Weight	3.9Klb (1.75mt)



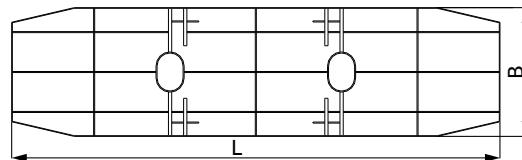
Carbody Counterweight x2

Length (L)	18.0ft (5.48m)
Width (W)	5.6ft (1.72m)
Height (H)	2.0ft (0.60m)
Weight	44.1Klb (20mt)



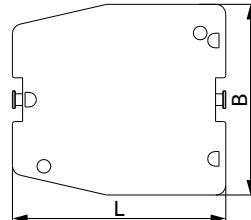
Rear Counterweight Tray x1

Length (L)	24.6ft (7.50m)
Width (W)	6.4ft (1.96m)
Height (H)	2.3ft (0.70m)
Weight	35.3Klb (16mt)



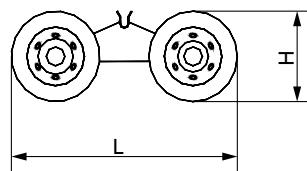
13.2Klb (6mt) Counterweight Block x14

Length (L)	7.1ft (2.17m)
Width (W)	6.4ft (1.96m)
Height (H)	1.7ft (0.51m)
Weight	13.2Klb (6mt)



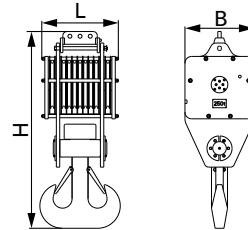
Trolley x1

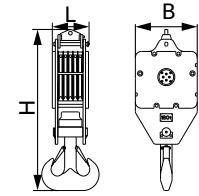
Length (L)	8.4ft (2.56m)
Width (W)	5.7ft (1.74m)
Height (H)	3.3ft (1.00m)
Weight	2.2Klb (1mt)



330 UST Lifting Hook x1

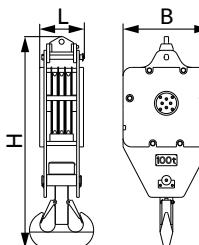
Length (L)	3.4ft (1.04m)
Width (W)	3.3ft (1.02m)
Height (H)	9.6ft (2.93m)
Weight	10.9Klb (4.9mt)



Transportation Dimensions**176 UST Lifting Hook**

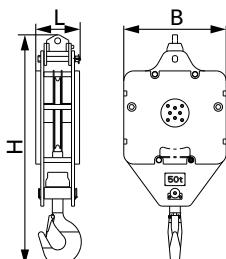
x1

Length (L)	1.9ft (0.59m)
Width (W)	3.3ft (1.02m)
Height (H)	8.7ft (2.64m)
Weight	7.1Klb (3.2mt)

**110 UST Lifting Hook**

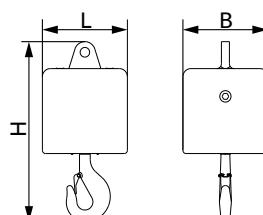
x1

Length (L)	1.7ft (0.51m)
Width (W)	3.3ft (1.02m)
Height (H)	8.1ft (2.48m)
Weight	5.1Klb (2.3mt)

**55 UST Lifting Hook**

x1

Length (L)	1.5ft (0.45m)
Width (W)	3.3ft (1.02m)
Height (H)	7.5ft (2.30m)
Weight	3.7Klb (1.7mt)

**17.5 UST Lifting Hook**

x1

Length (L)	1.7ft (0.53m)
Width (W)	1.7ft (0.53m)
Height (H)	3.6ft (1.10m)
Weight	2.0Klb (0.9mt)

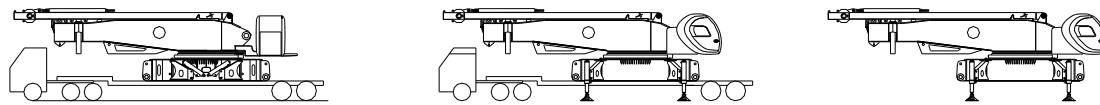
Note:

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. Weight is designed value that the actual manufactured part may deviate a little.
3. The dimensions and weight of each part may change due to product upgrading. The final values are subject to the new product.

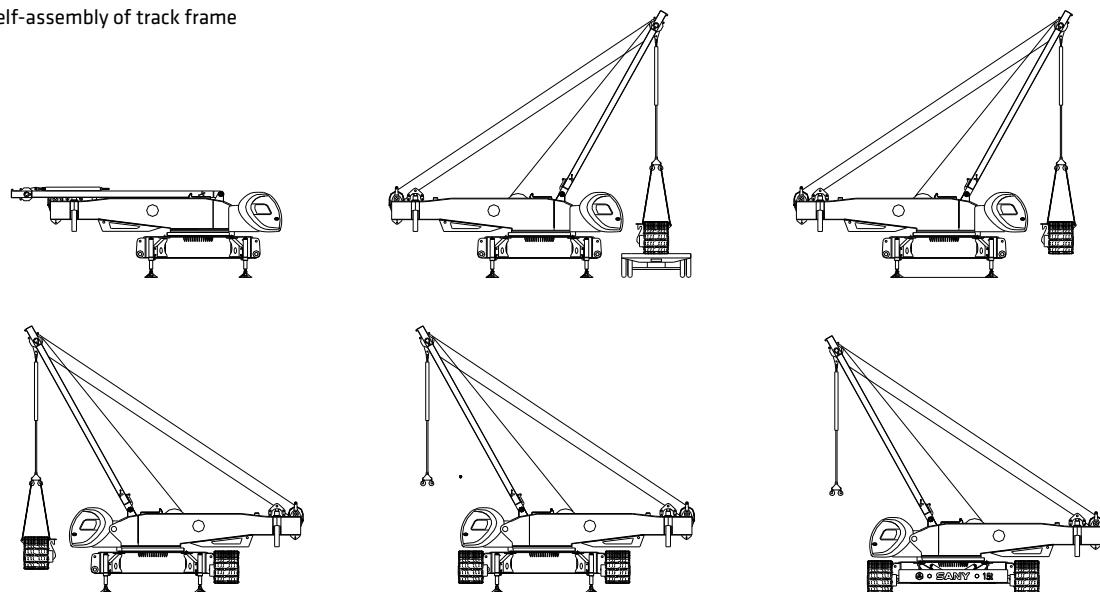
Schematics for Assembly/Disassembly

Schematics for self-assembly of basic machine

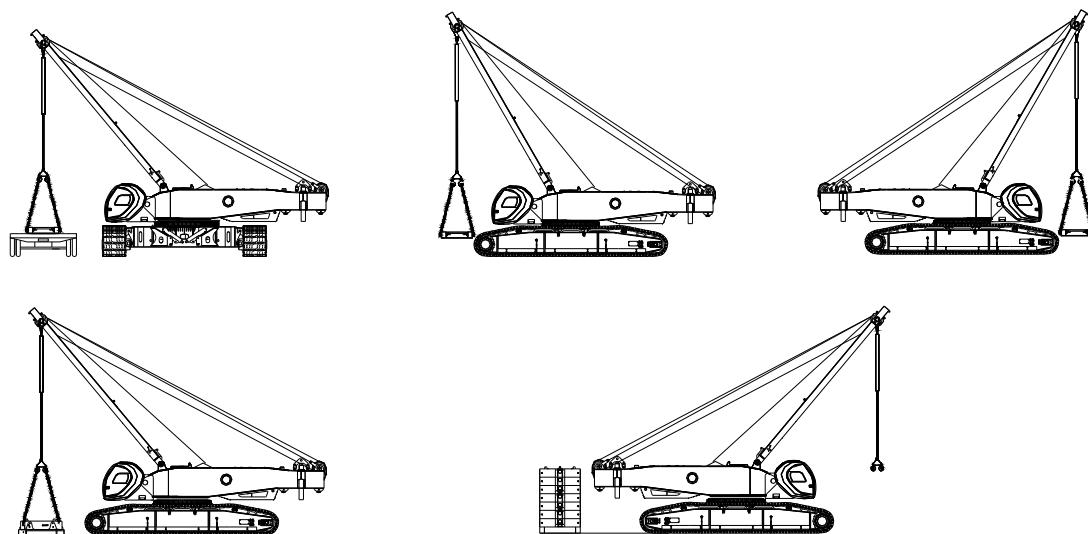
1) Self-assembly of basic machine

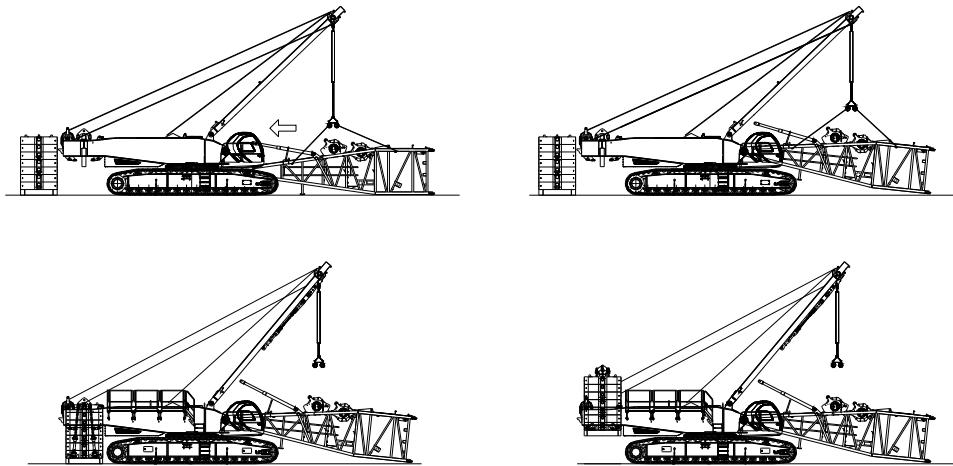


2) Self-assembly of track frame

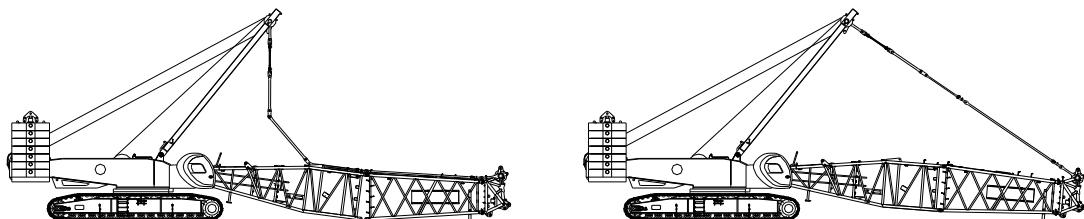


3) Self-assembly of counterweight and boom base

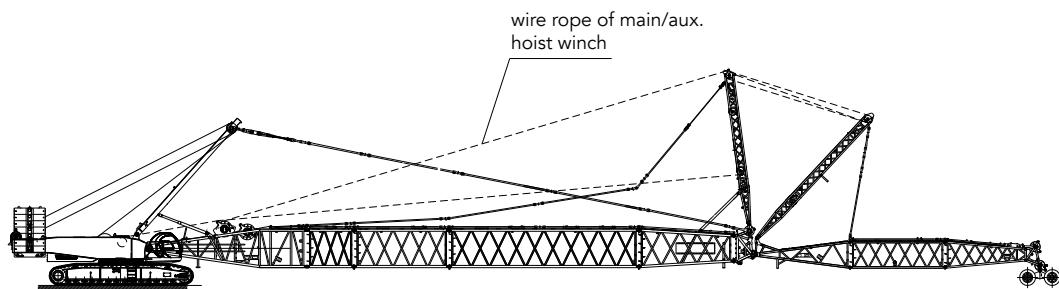
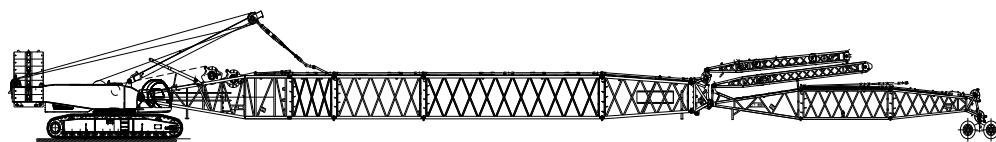


Schematics for Assembly/Disassembly**Schematics of boom assembly**

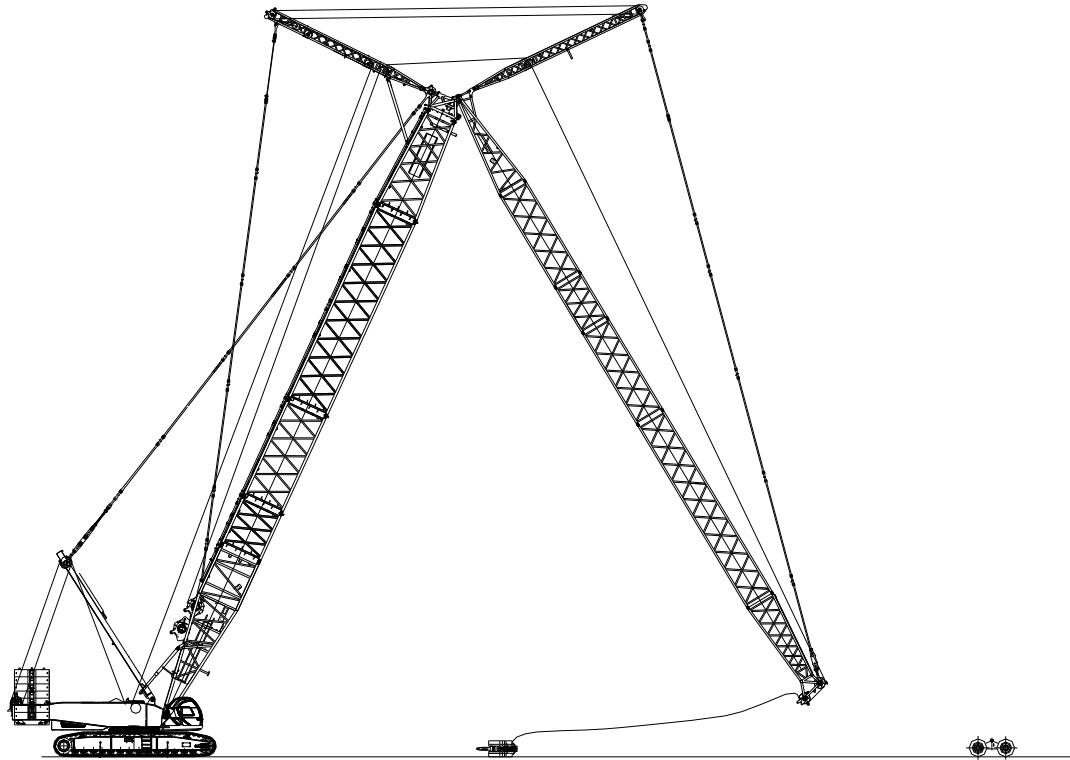
1) Boom assembly



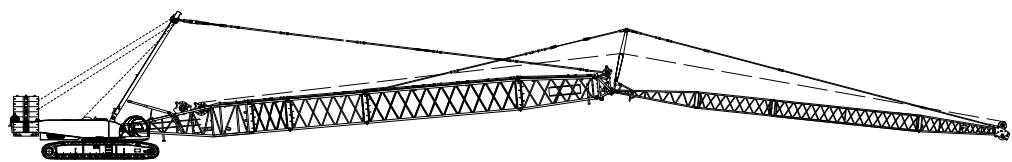
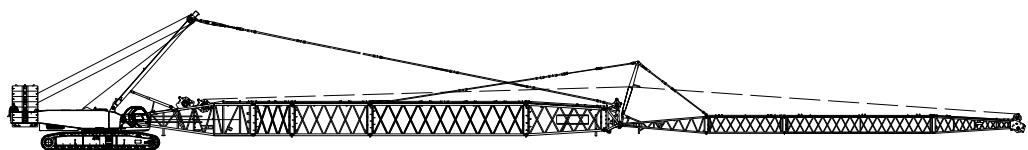
2) Luffing jib assembly



Schematics for Assembly/Disassembly



3) Fixed jib assembly





C

**SCA2600A
LATTICE BOOM CRAWLER CRANE
300 UST (272 mt) LIFTING CAPACITY**

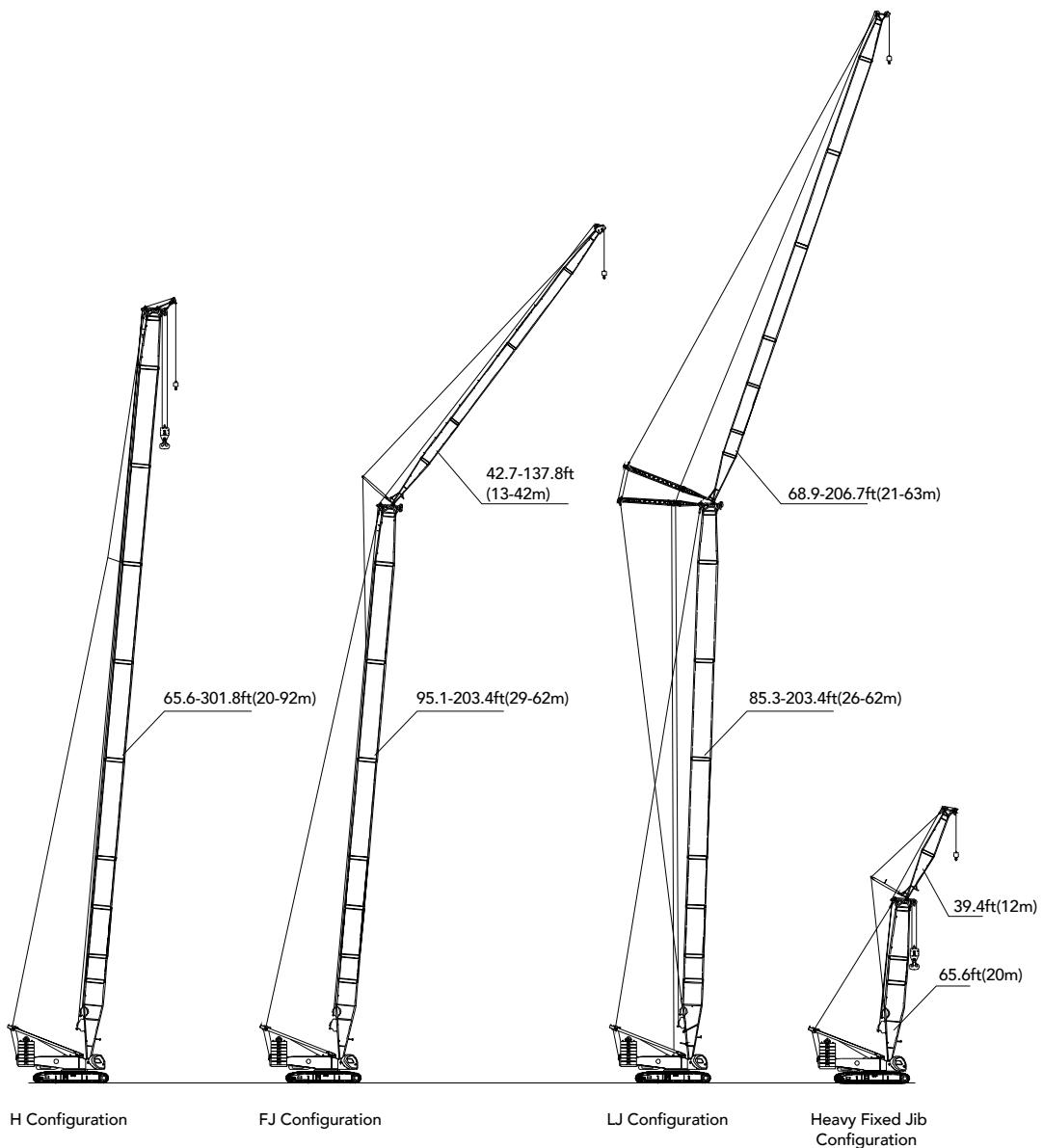
MADE FOR AMERICA

Configurations

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- Page 23 H Configuration
- Page 24 H Working Radius
- Page 25 H Load Chart
- Page 27 H Load Chart
- Page 28 FJ Working Radius
- Page 29 FJ Load Chart
- Page 35 LJ Configuration
- Page 36 LJ Working Radius
- Page 37 LJ Load Chart
- Page 72 Heavy Fixed Jib Configuration

> 21

Boom Combinations



H Configuration

FJ Configuration

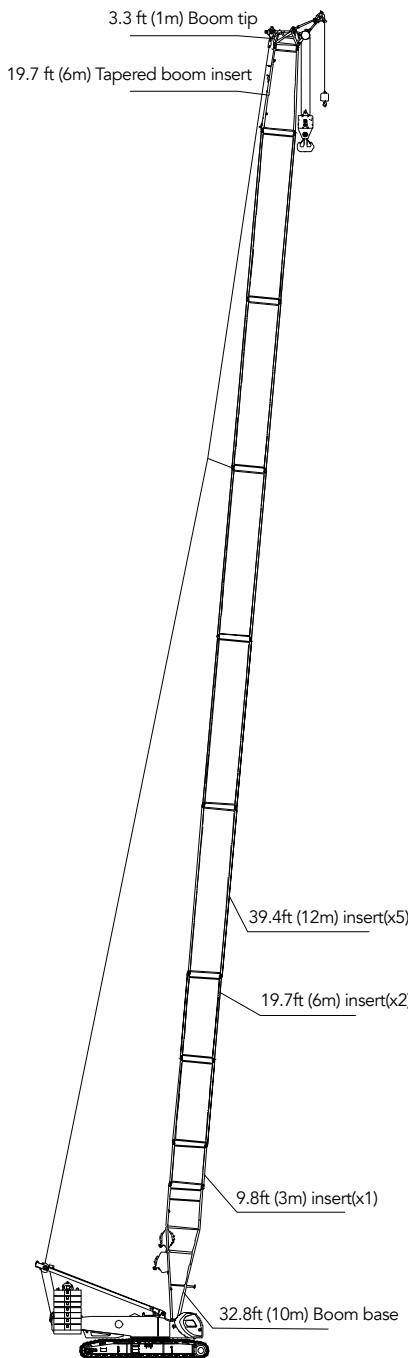
LJ Configuration

Heavy Fixed Jib
Configuration

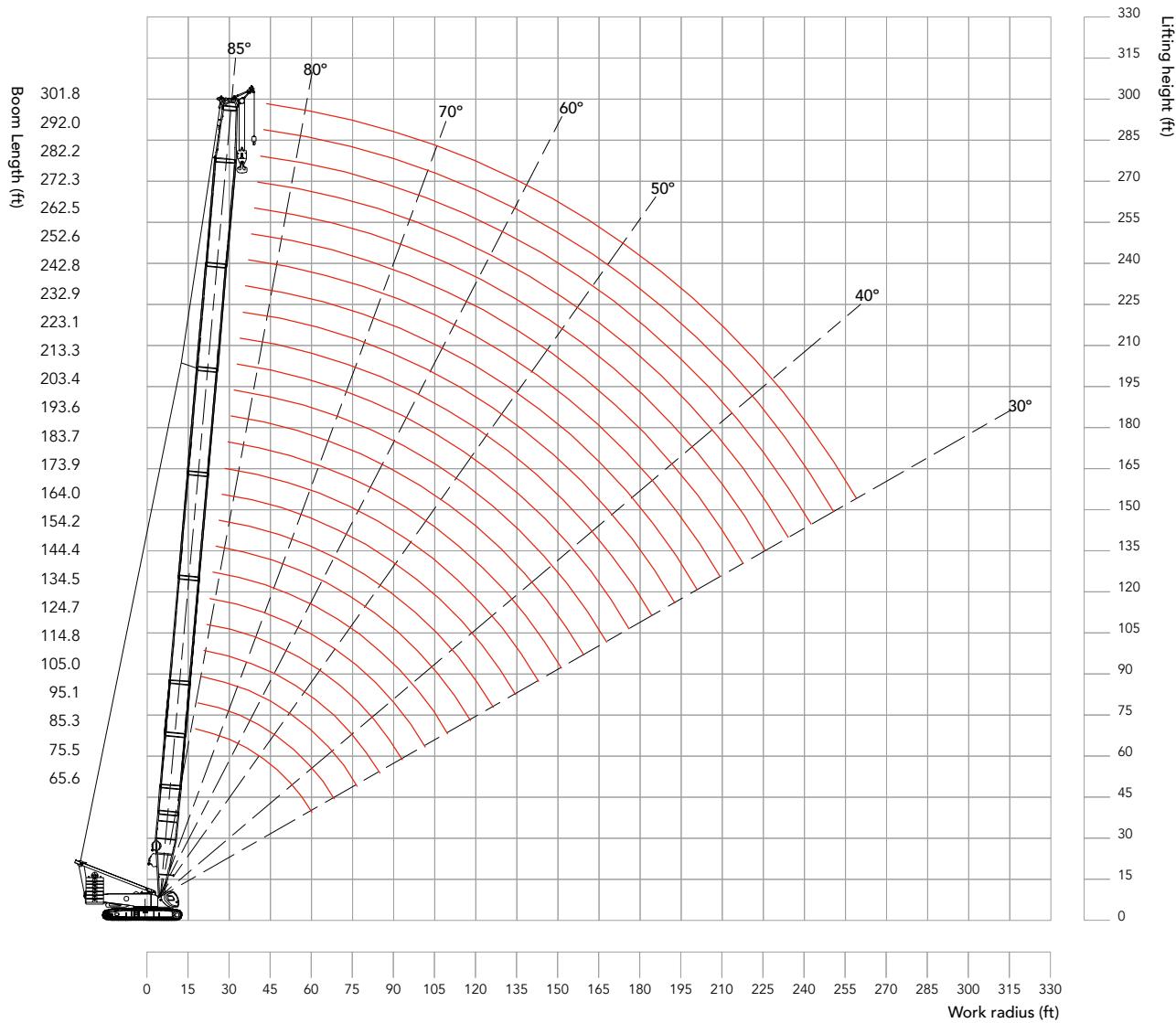
H Configuration

H Configuration			
Boom length (m)	Insert		
	9.8ft (3m)	19.7ft (6m)	39.4ft (12m)
65.6 (20)	1	-	-
75.5 (23)		1	-
85.3 (26)	1	1	-
95.1 (29)	-	-	1
105 (32)	1	-	1
114.8 (35)	-	1	1
124.7 (38)	1	1	1
134.5 (41)	-	-	2
144.4 (44)	1	-	2
154.2 (47)	-	1	2
164 (50)	1	1	2
173.9 (53)	-	-	3
183.7 (56)	1	-	3
193.6 (59)	-	1	3
203.4 (62)	1	1	3
213.3 (65)	-	-	4
223.1 (68)	1	-	4
232.9 (71)	-	1	4
242.8 (74)	1	1	4
252.6 (77)	-	-	5
262.5 (80)	1	-	5
272.3 (83)	-	1	5
282.2 (86)	1	1	5
292 (89)		2	5
301.8 (92)	1	2	5

Note: 65.6ft (20m) basic boom consists of 32.8ft (10m) boom section, 9.8ft (3m) boom insert, 19.7ft (6m) transition section and 1m boom head.



Combination of Working Conditions

H Working Radius

H Load Chart

SCA2600A Crawler Crane -H																
Radius (ft)	Boom length (ft)	65.6	75.5	85.3	95.1	105	114.8	124.7	134.5	144.4	154.2	164	173.9	183.7	Boom length (ft)	Radius (ft)
16.4	600.0														16.4	
20	519.4	492.3	488.7	447.7	423.8										20	
25	425.1	417.3	407.4	393.4	373.4	357.4	352.0	325.9							25	
30	339.2	333.1	324.8	316.1	310.3	310.0	307.1	285.5	266.9	258.6	250.9	246.4	244.0		30	
35	288.5	282.0	278.6	273.2	269.9	269.1	265.6	260.1	245.0	243.2	229.3	224.5	202.1		35	
40	238.5	234.5	233.5	232.8	232.1	233.2	228.7	222.5	222.3	217.3	212.5	208.2	198.1		40	
45	203.8	201.7	200.2	199.3	198.2	198.4	197.3	196.1	194.3	190.4	186.4	182.9	178.0		45	
50	177.0	175.7	174.6	173.8	172.4	172.2	173.7	171.6	170.8	169.3	165.8	162.7	159.3		50	
55	155.5	154.4	153.5	152.7	151.8	151.7	152.9	151.1	150.6	150.4	148.5	145.9	142.9		55	
60		137.1	135.8	135.2	135.2	135.6	134.3	134.9	133.6	133.4	133.6	131.6	128.9		60	
65		123.2	122.2	121.6	121.5	122.0	121.6	121.2	120.9	120.7	120.3	119.4	116.9		65	
70		113.2	111.9	111.1	110.8	111.0	110.8	110.5	110.1	109.9	109.4	109.2	107.0		70	
75			102.9	102.0	101.5	101.4	101.1	100.9	100.4	100.2	99.7	100.2	98.2		75	
80				94.1	93.3	93.2	92.7	92.5	91.9	91.9	91.4	92.1	90.4		80	
85					86.7	86.4	86.6	86.2	86.2	84.3	84.8	84.6	84.5		85	
90						79.7	79.9	79.5	79.3	78.3	78.5	77.9	77.6		90	
95						73.4	73.7	73.2	73.0	72.5	72.4	71.7	71.3		95	
100							68.1	67.6	67.4	67.0	66.7	66.1	65.6	65.0		100
105							63.1	62.6	62.4	61.9	61.7	61.1	60.6	60.0		105
110								58.2	58.0	57.5	57.3	56.6	56.2	55.5		110
115									54.0	53.8	53.3	52.6	52.3	51.5		115
120										50.5	50.2	49.0	48.7	47.9		120
125										47.6	48.4	45.8	45.3	44.7		125
130										44.8	45.3	43.5	42.9	42.4		130
135											41.4	40.7	40.3	40.0		135
140												38.3	38.0	37.6		140
145												36.1	35.5		145	
150												33.9	33.5		150	
155													30.9		155	
160													28.8		160	
165															165	
170															170	
175															175	
180															180	
185															185	
190															190	
195															195	
200															200	
205															205	
210															210	
215															215	
220															220	

- Note: 1. The rated load in the load chart is calculated complying with ASME B30.5;
 2. The working radius is the horizontal distance from the load center to the swing center;
 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
 5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

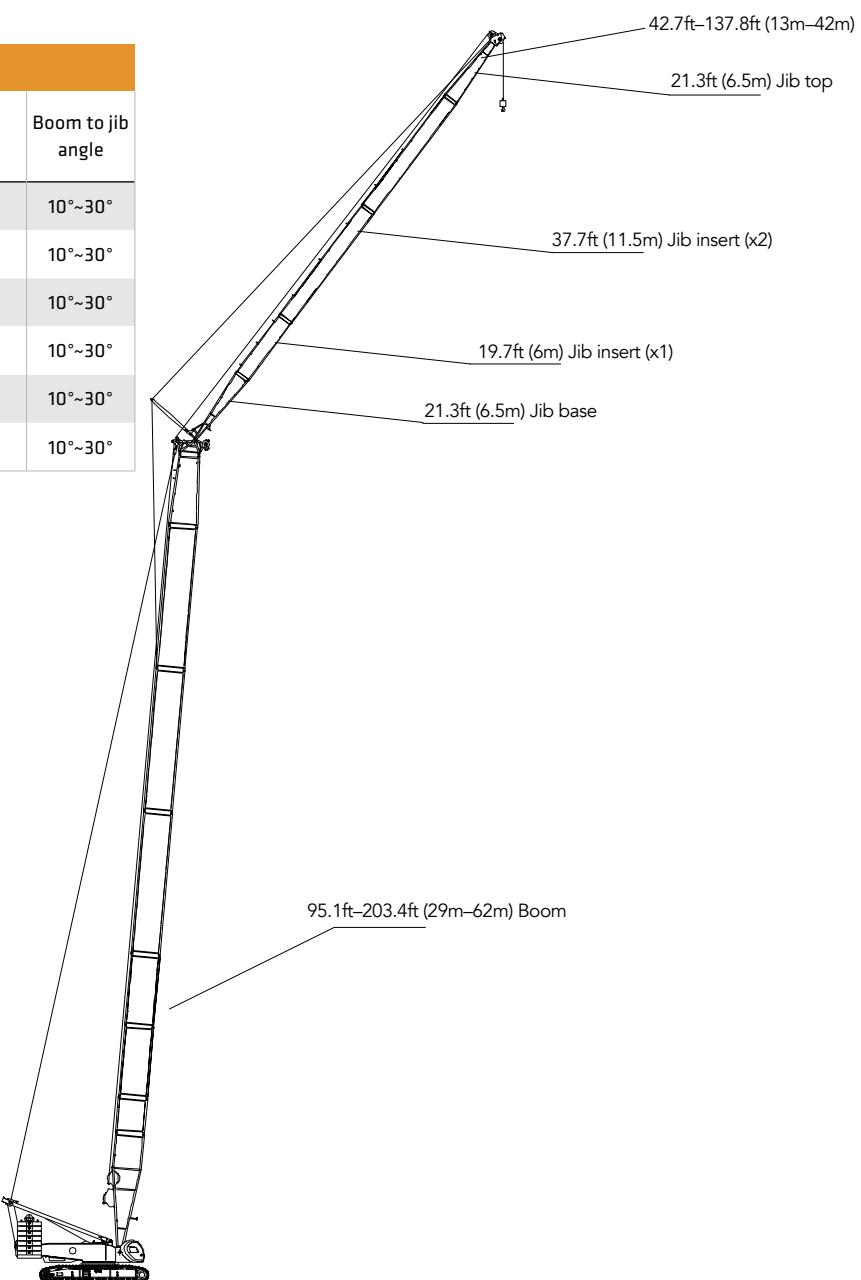
H Load Chart

SCA2600A Crawler Crane -H												
Radius (ft)	193.6	203.4	213.3	223.1	232.9	242.8	252.6	262.5	272.3	282.2	292	301.8
Boom length (ft)												Radius (ft)
16.4												16.4
20												20
25												25
30	243.3	215.0	215.0									30
35	196.3	195.2	188.3	184.3	171.6	169.2	166.8					35
40	190.2	186.5	167.6	160.2	147.3	139.8	132.0	130.6	128.5	128.3	126.3	119.5
45	174.2	168.4	162.2	158.6	144.2	133.9	122.7	116.8	115.3	113.0	112.7	104.2
50	156.6	152.4	149.3	146.2	139.3	125.3	117.2	109.3	107.8	104.7	99.3	93.2
55	140.6	137.7	135.1	132.3	130.2	119.3	111.0	103.9	102.5	95.6	87.2	81.8
60	126.9	124.2	121.9	119.5	117.5	114.9	104.0	99.4	97.3	85.0	77.0	70.3
65	115.2	112.7	110.6	108.4	106.7	104.5	101.5	95.2	87.9	79.7	69.5	64.2
70	105.4	103.1	101.2	99.2	97.6	95.4	93.7	90.0	82.7	73.5	62.7	58.0
75	96.6	94.5	92.8	90.8	89.4	87.3	85.7	83.7	79.1	69.8	59.0	54.2
80	88.9	86.9	85.4	83.4	82.1	80.2	78.6	76.9	75.6	67.5	57.6	52.2
85	82.2	80.2	78.9	76.9	75.8	74.0	72.5	70.7	69.6	63.5	55.9	50.1
90	76.3	74.5	73.0	71.3	70.2	68.5	67.0	65.3	64.2	61.2	54.1	48.6
95	70.4	69.2	67.7	66.1	65.0	63.3	61.9	60.3	59.2	57.6	52.2	47.3
100	64.8	64.1	62.9	61.2	60.3	58.7	57.3	55.8	54.7	53.2	50.1	46.0
105	59.7	59.1	58.4	56.9	56.0	54.5	53.1	51.6	50.7	49.2	47.8	44.3
110	55.3	54.7	54.2	53.0	52.1	50.6	49.4	47.8	47.0	45.4	44.3	42.3
115	51.3	50.7	50.2	49.3	48.6	47.1	46.0	44.4	43.5	42.1	41.0	39.5
120	47.6	47.0	46.5	45.7	45.2	43.8	42.7	41.2	40.3	39.0	37.9	36.4
125	44.3	43.5	43.0	42.3	41.9	40.8	39.7	38.2	37.5	36.0	34.9	33.5
130	41.3	40.8	39.9	39.2	38.8	38.0	37.0	35.5	34.8	33.3	32.3	30.8
135	38.9	38.5	37.3	36.6	36.1	35.2	34.5	32.9	32.3	30.8	29.8	28.4
140	36.8	36.3	34.9	34.3	33.7	32.6	32.1	30.6	29.9	28.6	27.5	26.2
145	34.8	33.9	32.6	32.1	31.7	30.1	29.7	28.5	27.8	26.4	25.4	24.1
150	32.4	31.4	30.6	29.9	29.5	28.0	27.5	26.4	25.8	24.2	23.3	22.0
155	30.6	29.7	28.7	28.3	27.9	25.9	25.5	24.4	23.7	22.3	21.4	20.1
160	29.0	28.0	27.0	26.8	26.2	24.0	23.5	22.6	21.9	20.6	19.7	18.4
165	27.3	26.2	25.4	25.0	24.3	22.2	21.5	20.8	20.2	18.9	18.0	16.7
170	25.6	24.5	23.3	22.9	22.2	20.5	19.8	18.9	18.5	17.2	16.3	15.0
175		23.1	22.4	21.5	20.0	18.8	18.3	17.4	17.0	15.7	14.8	13.5
180			21.1	20.3	19.1	17.2	16.8	15.9	15.6	14.2	13.3	12.0
185				19.0	18.8	15.7	15.3	14.4	14.2	12.9	12.0	10.7
190					17.5	17.3	14.4	14.0	13.1	12.9	11.6	10.7
195						16.0	15.9	13.2	12.6	11.7	11.5	9.4
200							14.3	11.9	11.4	10.5	10.3	9.2
205								10.7	10.2	9.4	9.1	8.0
210									9.7	9.0	8.4	7.9
215										8.0	7.2	6.9
220										7.0	6.1	5.9

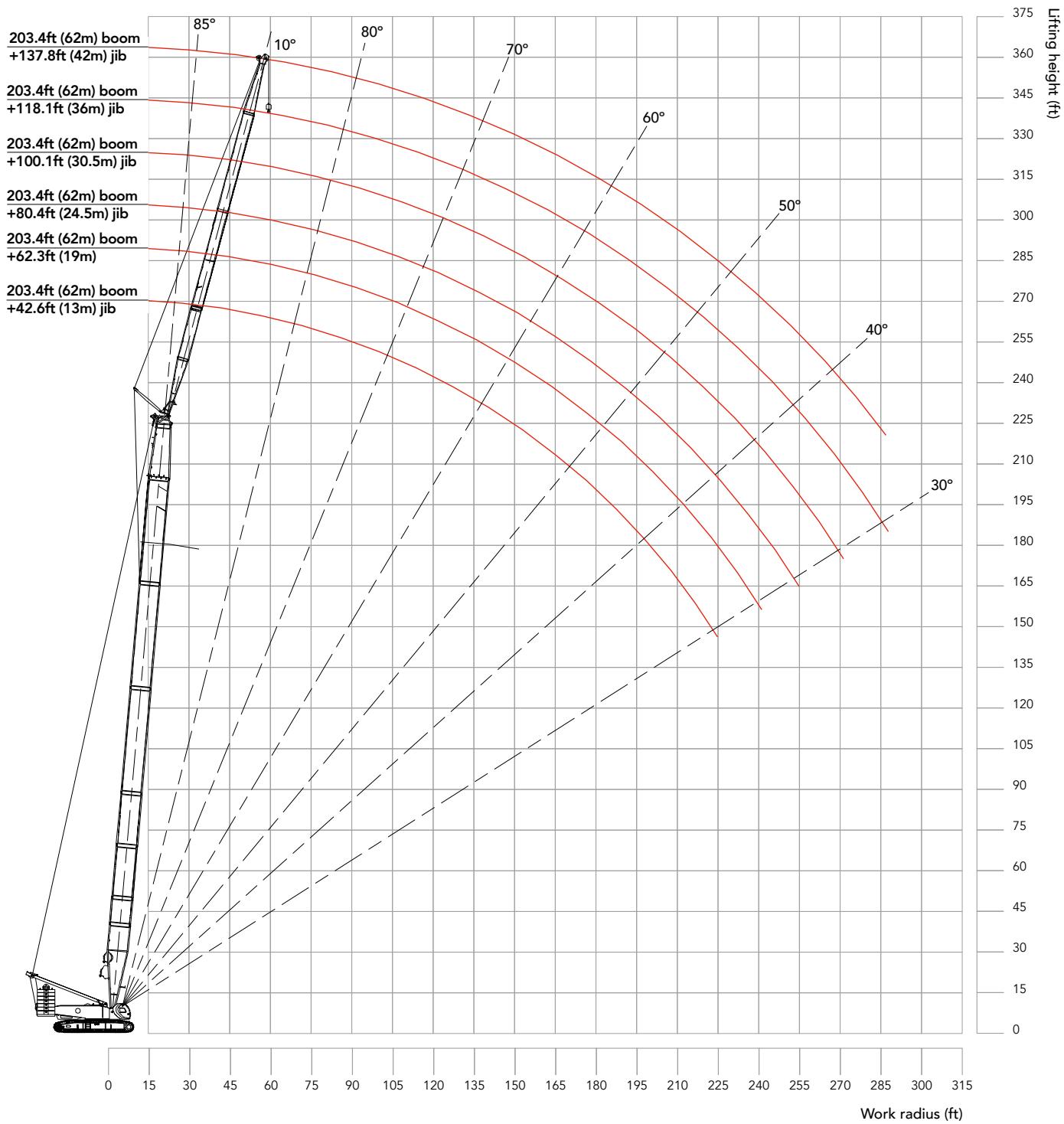
- Note:
1. The rated load in the load chart is calculated complying with ASME B30.5;
 2. The working radius is the horizontal distance from the load center to the swing center;
 3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
 4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of any other negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
 5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.

FJ Configuration

Fixed Jib				
Jib Length ft (m)	Insert		Boom Length ft (m)	Boom to jib angle
	16.7ft (6m)	37.7ft (11.5m)		
42.7 (13)	-	-	95.1ft (29m)~203.4ft (62m)	10°~30°
62.3 (19)	1	-	95.1ft (29m)~203.4ft (62m)	10°~30°
80.4 (24.5)	-	1	95.1ft (29m)~203.4ft (62m)	10°~30°
100.1 (30.5)	1	1	95.1ft (29m)~203.4ft (62m)	10°~30°
118.1 (36)	-	2	95.1ft (29m)~203.4ft (62m)	10°~30°
137.8 (42)	1	2	95.1ft (29m)~203.4ft (62m)	10°~30°



Combination of Working Conditions

FJ Working Radius

FJ Load Chart

SCA2600A Fixed Jib (without boom tip sheave block)														
		Fixed jib 42.7 ft												
Boom length	95.1ft		105ft		114.8ft		124.7ft		134.5ft		144.4ft		Boom length	
Radius Ft.	Boom to jib angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle / Radius Ft.
30	141.5	-	-	-	-	-	-							30
35	138.2	-	139.3	-	140.7	-	140.5							35
40	129.5	-	133.5	-	137.0	-	135.5		138.4		141.3			40
45	119.0	-	122.9	-	126.6	-	125.1		128.1		131.6			45
50	110.0	59.1	113.9	59.7	117.6	60.6	116.7	60.0	119.8		120.5			50
55	102.1	56.6	106.0	57.2	109.7	58.1	109.4	57.8	110.7	58.3	109.3	59.0		55
60	95.1	54.1	99.1	54.9	102.4	55.8	102.1	55.6	100.6	56.4	98.6	57.0		60
65	89.2	51.9	93.0	52.9	94.7	53.8	93.0	53.6	91.4	54.4	89.6	55.1		65
70	84.0	50.0	87.2	51.1	87.1	51.9	85.2	51.9	83.7	52.7	82.1	53.4		70
75	79.0	48.3	80.4	49.4	79.8	50.3	78.3	50.3	76.9	51.1	75.3	51.8		75
80	73.6	46.6	74.0	47.7	74.7	48.8	74.7	48.8	70.9	49.7	70.1	50.3		80
85	67.5	45.3	71.3	46.4	75.3	47.3	78.8	47.5	65.4	48.4	68.2	49.0		85
90	65.2	43.9	68.8	45.0	69.7	46.1	73.2	46.1	66.1	47.0	66.2	47.8		90
95	63.1	42.7	64.6	43.8	66.1	44.9	67.5	44.9	63.3	45.8	64.1	46.7		95
100	61.1	41.6	60.5	42.7	63.0	43.8	63.2	43.8	60.0	44.7	61.2	45.6		100
105	59.3	40.6	58.7	41.7	58.5	42.8	60.9	42.8	60.5	43.7	56.7	44.5		105
110	55.2	39.8	56.0	40.9	55.7	41.7	56.7	42.0	56.2	42.8	54.8	43.7		110
115		39.0	52.7	40.0	53.0	40.8	52.8	41.1	52.4	41.9	53.0	42.8		115
120			49.2	39.2	50.0	40.1	49.4	40.3	49.5	41.1	50.7	42.0		120
125					46.7	39.5	46.6	39.7	47.9	40.3	47.2	41.2		125
130					43.6	38.9	43.5	39.0	44.8	39.6	44.0	40.5		130
135						38.4	41.6	38.4	41.9	39.1	41.2	39.8		135
140								37.9	39.2	38.6	38.6	38.8		140
145										37.8	36.1	37.2		145
150										35.3	33.7	34.8		150
155												32.5		155
160														160
165														165
170														170
175														175
180														180
185														185
190														190
195														195
200														200

FJ Load Chart

SCA2600A Fixed Jib (without boom tip sheave block)													
		Fixed jib 42.7 ft											
Boom length	154.2ft		164ft		173.9ft		183.7ft		193.6ft		203.4ft		Boom length
Boom to jib angle Radius Ft.	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle Radius Ft.
30													30
35													35
40	140.4		140.6		129.2		129.0						40
45	132.1		129.8		125.9		123.8						45
50	119.4		116.9		114.7		112.5		110.4		108.2		50
55	107.2	60.5	105.1	60.9	103.1	61.5	101.1	61.9	99.3		97.3		55
60	96.8	58.6	95.0	59.0	93.2	59.7	91.3	60.1	89.8	60.5	87.9	60.8	60
65	88.1	56.6	86.3	57.3	84.7	58.0	83.0	58.4	81.5	58.8	79.9	59.3	65
70	80.7	55.1	79.0	55.8	77.5	56.3	79.2	56.9	77.8	57.3	79.3	57.8	70
75	76.0	53.6	74.4	54.2	73.1	54.8	74.3	55.3	73.0	55.9	75.9	56.3	75
80	73.5	52.1	71.9	52.8	69.9	53.4	69.1	53.9	68.3	54.5	70.5	55.0	80
85	71.1	50.8	69.6	51.5	64.5	52.1	66.6	52.8	67.7	53.2	67.9	53.9	85
90	69.1	49.4	66.4	50.3	62.9	50.9	64.5	51.6	66.5	52.2	67.8	52.7	90
95	65.2	48.3	63.0	49.1	60.9	49.7	62.4	50.4	64.6	51.1	64.8	51.6	95
100	61.3	47.2	59.2	48.0	59.5	48.6	60.3	49.3	61.7	50.0	60.1	50.6	100
105	59.5	46.1	55.2	47.0	60.0	47.6	58.4	48.3	57.3	48.9	55.8	49.6	105
110	55.1	45.3	55.8	45.9	55.9	46.6	54.3	47.5	53.4	47.9	51.9	48.6	110
115	51.3	44.4	53.3	45.0	52.2	45.7	50.7	46.5	49.8	47.0	48.3	47.7	115
120	48.4	43.6	49.6	44.2	48.7	44.9	47.3	45.6	46.4	46.2	44.9	46.5	120
125	46.8	42.7	46.1	43.4	45.4	44.1	44.3	44.9	43.2	45.2	41.9	44.6	125
130	43.7	41.9	42.9	42.7	42.4	43.4	41.3	43.4	40.4	42.7	39.1	41.5	130
135	40.8	41.2	40.1	41.1	39.5	41.2	38.7	40.7	37.8	40.1	36.5	38.8	135
140	38.1	39.6	37.5	38.9	36.8	38.5	36.2	37.8	35.4	37.5	34.1	36.2	140
145	35.6	37.0	35.0	36.3	34.3	35.9	33.7	35.2	33.0	35.0	31.7	33.7	145
150	33.5	34.6	32.6	33.9	32.1	33.5	31.3	32.8	30.8	32.6	29.5	31.5	150
155	31.3	32.4	30.5	31.7	30.0	31.3	29.1	30.6	28.8	30.4	27.5	29.3	155
160		30.2	28.5	29.6	28.0	29.2	27.1	28.5	26.8	28.3	25.5	27.2	160
165			26.5	27.6	26.1	27.2	25.2	26.5	24.8	26.3	23.7	25.3	165
170			24.7	25.6	24.2	25.3	23.3	24.7	23.1	24.2	22.0	23.6	170
175					22.5	23.5	21.8	22.8	21.4	22.5	20.5	21.9	175
180							20.3	21.2	19.8	20.9	19.0	20.3	180
185								19.7	18.4	19.4	17.5	18.6	185
190								18.0	17.1	18.0	16.2	17.1	190
195										16.5	14.8	15.7	195
200											14.3		200

FJ Load Chart

SCA2600A Fixed Jib (without boom tip sheave block)													
		Fixed jib 100.1ft											
Boom length	95.1ft	105ft		114.8ft		124.7ft		134.5ft		144.4ft		Boom length	
Radius Ft.	Boom to jib angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle	Radius Ft.
50		72.6											50
55		67.2		68.9		69.8		67.2		66.6		68.5	55
60		61.0		63.0		64.9		64.6		64.9		66.9	60
65		55.7		57.6		59.6		60.9		61.7		63.7	65
70		51.8		53.2		55.3		56.7		57.7		59.8	70
75		47.9		49.4		51.4		52.6		54.0		55.9	75
80		44.4	30.3	46.2	30.6	47.9	30.8	48.9		50.6		52.4	80
85		41.5	29.2	43.2	29.4	44.5	29.9	46.2		47.5		49.1	85
90		39.0	28.2	40.7	28.4	42.1	28.8	43.5	28.3	45.0	28.5	46.2	90
95		36.7	27.2	38.3	27.5	39.8	27.8	41.1	27.4	42.3	27.7	43.8	95
100		34.6	26.2	36.1	26.6	37.5	26.8	38.8	26.5	39.9	26.8	41.6	100
105		32.9	25.4	34.2	25.6	35.4	26.0	36.7	25.8	37.9	26.0	39.5	105
110		31.1	24.6	32.4	24.9	33.7	25.3	34.8	25.0	36.1	25.3	37.7	110
115		29.6	23.7	30.8	24.2	32.2	24.5	33.1	24.1	34.5	24.7	36.0	115
120		28.2	22.9	29.3	23.5	30.7	23.8	31.6	23.3	33.0	24.0	34.3	120
125		26.7	22.5	28.0	22.9	29.2	23.4	30.2	22.5	31.5	23.1	32.8	125
130		25.6	21.8	26.9	22.2	28.1	22.7	29.1	21.8	30.2	22.4	31.6	130
135		25.1	21.2	25.7	21.7	26.9	22.1	27.8	21.1	29.0	21.7	30.2	135
140		24.5	20.7	24.9	21.2	25.8	21.6	26.6	20.4	27.9	20.9	28.9	140
145		23.6	20.2	24.7	20.6	24.7	21.1	25.5	19.7	26.7	20.2	27.8	145
150		22.8	19.7	23.9	20.2	23.7	20.6	24.7	19.1	25.7	19.7	26.8	150
155		22.0	19.2	23.2	19.7	22.9	20.1	23.8	18.7	24.8	19.0	25.9	155
160		21.4	18.8	22.5	19.2	22.0	19.6	22.9	18.2	23.9	18.5	24.8	160
165			18.4	21.7	18.9	21.2	19.3	22.1	17.5	23.1	18.2	23.5	165
170			18.1	20.9	18.5	20.6	19.0	21.3	17.2	22.4	17.7	22.2	170
175			17.8		18.2	19.8	18.7	20.7	17.1	22.4	17.3	21.8	175
180					17.9		18.3	20.0	16.8	21.7	17.1	21.6	180
185							18.1	19.1	16.5	20.5	16.9	21.1	185
190							17.9	18.5	16.3	19.3	16.5	20.0	190
195									16.2	19.0	16.4	18.8	195
200											16.2	17.7	200
205												16.3	205
210												16.1	210
215												16.1	215
220													220
225													225
230													230
235													235
240													240
245													245
250													250
255													255

FJ Load Chart

SCA2600A Fixed Jib (without boom tip sheave block)													
		Fixed jib 100.1ft											
Boom length	154.2ft		164ft		173.9ft		183.7ft		193.6ft		203.4ft		Boom length
Boom to jib angle Radius Ft.	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle Radius Ft.
50													50
55	67.1		65.7										55
60	66.1		64.8		63.3		61.7		60.1		58.6		60
65	64.9		63.8		62.4		60.9		59.5		58.0		65
70	61.3		61.7		61.6		60.2		58.7		57.2		70
75	57.3		58.5		59.4		59.3		58.0		56.6		75
80	53.6		54.9		56.2		57.6		57.0		55.9		80
85	50.5		52.0		53.3		54.3		55.7		55.1		85
90	48.0	29.7	49.2	29.9	50.4	30.1	51.4		53.0		52.5		90
95	45.5	28.8	46.4	29.1	47.8	29.4	48.9	29.6	50.0	29.8	49.2	30.0	95
100	43.1	28.0	44.0	28.4	45.4	28.6	46.6	28.8	47.0	29.0	45.8	29.2	100
105	40.8	27.3	42.0	27.6	43.2	27.8	44.5	28.0	43.8	28.2	42.8	28.4	105
110	39.0	26.7	40.1	26.9	41.3	27.1	41.8	27.3	41.0	27.7	40.0	27.9	110
115	37.2	26.0	38.4	26.2	39.4	26.4	39.3	26.8	38.5	27.1	37.5	27.3	115
120	35.5	25.3	36.7	25.6	37.5	25.8	36.8	26.2	36.0	26.4	35.0	26.7	120
125	34.1	24.7	35.0	25.1	35.6	25.4	34.5	25.6	33.8	25.8	32.8	26.2	125
130	32.5	24.1	33.6	24.4	33.4	24.8	32.4	25.0	31.8	25.2	30.8	25.5	130
135	31.2	23.7	32.1	23.9	31.5	24.3	30.5	24.6	29.9	24.8	28.9	25.0	135
140	30.1	23.2	30.5	23.4	29.6	23.8	28.6	24.1	28.0	24.3	27.0	24.6	140
145	28.9	22.6	28.7	22.8	27.9	23.3	26.9	23.5	26.3	23.8	25.5	24.2	145
150	27.6	22.1	27.1	22.4	26.3	22.8	25.4	23.0	24.8	23.5	25.1	23.7	150
155	26.1	21.6	25.6	22.0	24.8	22.3	23.9	22.7	24.2	23.0	24.6	23.2	155
160	24.5	21.2	24.0	21.6	23.4	21.8	23.0	22.2	23.8	22.5	24.0	22.7	160
165	23.1	20.8	22.5	21.1	22.3	21.5	22.7	21.7	23.3	22.2	23.1	22.4	165
170	21.8	20.5	21.2	20.7	22.0	21.2	22.3	21.4	22.9	21.8	22.4	22.0	170
175	21.4	20.2	19.9	20.4	21.7	20.9	21.2	21.1	22.1	21.4	22.3	21.7	175
180	21.2	19.9	18.7	20.1	21.2	20.5	20.6	20.7	21.6	21.0	21.4	21.4	180
185	20.7	19.5	17.6	19.7	20.5	20.2	20.7	20.4	21.0	20.7	19.9	21.1	185
190	19.4	19.2	16.6	19.4	19.9	19.8	20.5	20.1	19.7	20.5	18.6	20.7	190
195	18.4	18.8	15.6	19.3	19.7	19.5	19.2	19.7	18.5	20.2	17.3	20.0	195
200	17.8	18.6	15.1	19.0	18.9	19.2	18.0	19.5	17.2	19.7	16.0	19.0	200
205	17.3	18.4	14.7	18.7	17.7	18.9	16.8	19.0	16.0	18.8	14.8	17.7	205
210	16.8	18.1	13.8	18.5	16.5	18.5	15.7	17.9	15.0	17.4	13.7	16.5	210
215		17.9	12.8	17.5	15.3	17.3	14.6	16.7	13.8	16.2	12.6	15.2	215
220		17.1		16.4	14.3	16.2	13.6	15.5	12.7	15.1	11.6	14.1	220
225				15.3		15.0	12.6	14.3	11.7	13.9	10.6	13.0	225
230						13.8		13.1	10.7	12.7	9.6	11.8	230
235						12.8		12.1	9.9	11.7	8.8	10.8	235
240								11.2	9.1	10.7	8.0	9.9	240
245										9.7	7.1	8.8	245
250											7.8	250	
255											7.0	255	

FJ Load Chart

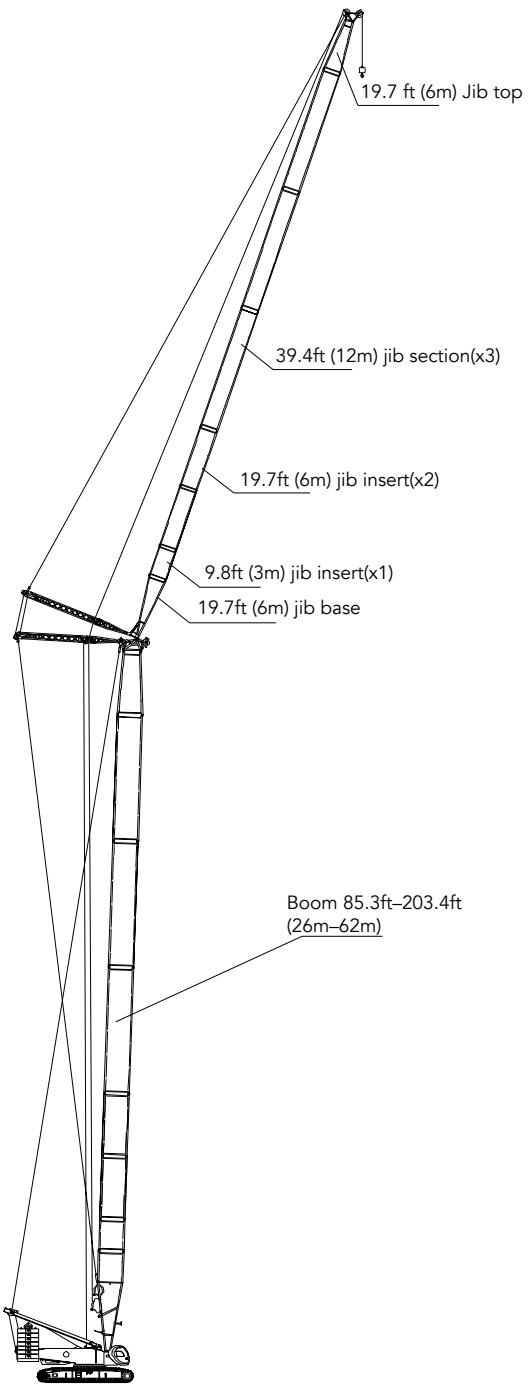
SCA2600A Fixed Jib (without boom tip sheave block)													
		Fixed jib 137.8 ft											
Boom length	95.1ft		105ft		114.8ft		124.7ft		134.5ft		144.4ft		Boom length
Boom to jib angle Radius Ft.	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle Radius Ft.
60	38.2		38.3		37.7		36.3						60
65	37.1		37.3		36.8		35.5						65
70	36.1		36.3		35.9		34.6		35.8		34.4		70
75	35.2		35.4		35.0		33.7		35.0		33.7		75
80	34.0		34.3		34.2		32.9		34.2		32.9		80
85	31.8		32.8		33.4		32.1		33.4		32.1		85
90	29.8		30.6		31.5		31.4		32.6		31.4		90
95	28.0		28.8		29.8		30.1		31.8		30.7		95
100	26.3		27.3		28.0		28.6		30.8		29.9		100
105	24.8	22.0	25.6	22.5	26.3	22.7	27.1	21.8	29.1	22.0	28.6	22.3	105
110	23.5	21.2	24.2	21.7	24.9	21.9	25.9	21.1	27.7	21.4	27.4	21.6	110
115	22.3	20.5	23.0	20.9	23.7	21.1	24.6	20.6	26.3	20.8	26.1	20.9	115
120	21.4	19.8	22.2	20.2	22.6	20.4	23.3	20.0	25.0	20.2	24.8	20.3	120
125	21.2	19.2	21.9	19.6	21.6	19.8	22.1	19.4	23.6	19.6	23.5	19.8	125
130	20.3	18.6	20.9	19.1	20.6	19.3	21.1	18.8	22.7	19.1	22.5	19.3	130
135	19.9	18.2	20.0	18.6	20.0	18.8	20.2	18.4	21.8	18.6	21.7	18.8	135
140	19.4	17.7	19.2	18.1	19.4	18.3	19.4	17.9	20.8	18.1	20.7	18.3	140
145	18.6	17.1	18.4	17.5	18.6	17.8	18.6	17.3	19.8	17.6	19.7	17.9	145
150	17.8	16.6	17.6	17.1	17.8	17.3	17.8	16.9	19.2	17.3	19.1	17.5	150
155	17.2	16.1	16.9	16.6	17.2	17.0	17.1	16.5	18.5	16.8	18.4	17.0	155
160	16.4	15.6	16.2	16.1	16.5	16.5	16.3	16.1	17.7	16.3	17.6	16.6	160
165	15.6	15.1	15.4	15.6	15.7	16.0	15.6	15.8	16.9	16.0	16.9	16.2	165
170	15.1	14.7	14.7	15.1	15.1	15.5	15.1	15.4	16.3	15.7	16.3	15.9	170
175	14.5	14.3	14.1	14.7	14.5	15.1	14.5	15.1	15.7	15.4	15.7	15.6	175
180	13.9	13.9	13.7	14.4	14.0	14.7	13.9	14.7	15.2	15.0	15.1	15.2	180
185	13.4	13.6	13.3	14.0	13.5	14.2	13.5	14.3	14.7	14.7	14.6	15.0	185
190	12.9	13.0	12.7	13.4	13.1	13.9	12.9	14.1	14.1	14.3	14.1	14.8	190
195	12.4	12.7	12.3	13.1	12.6	13.4	12.5	13.6	13.6	14.0	13.7	14.4	195
200		12.4	11.9	12.8	12.2	13.1	12.2	13.2	13.2	13.7	13.3	14.1	200
205		12.0		12.5	11.8	12.9	11.7	13.0	12.7	13.3	12.7	13.8	205
210		11.7		12.1	11.3	12.6	11.2	12.8	12.2	13.0	12.2	13.4	210
215				11.9		12.2	11.0	12.4	11.8	12.8	12.0	13.1	215
220				11.7		12.0		12.1	11.5	12.5	11.6	12.9	220
225						11.8		11.8	11.2	12.2	11.3	12.7	225
230								11.7		11.9	10.9	12.3	230
235								11.3		11.7	10.5	12.0	235
240										11.6		11.8	240
245												11.6	245
250													250
255													255
260													260
265													265
270													270
275													275
280													280
285													285

FJ Load Chart

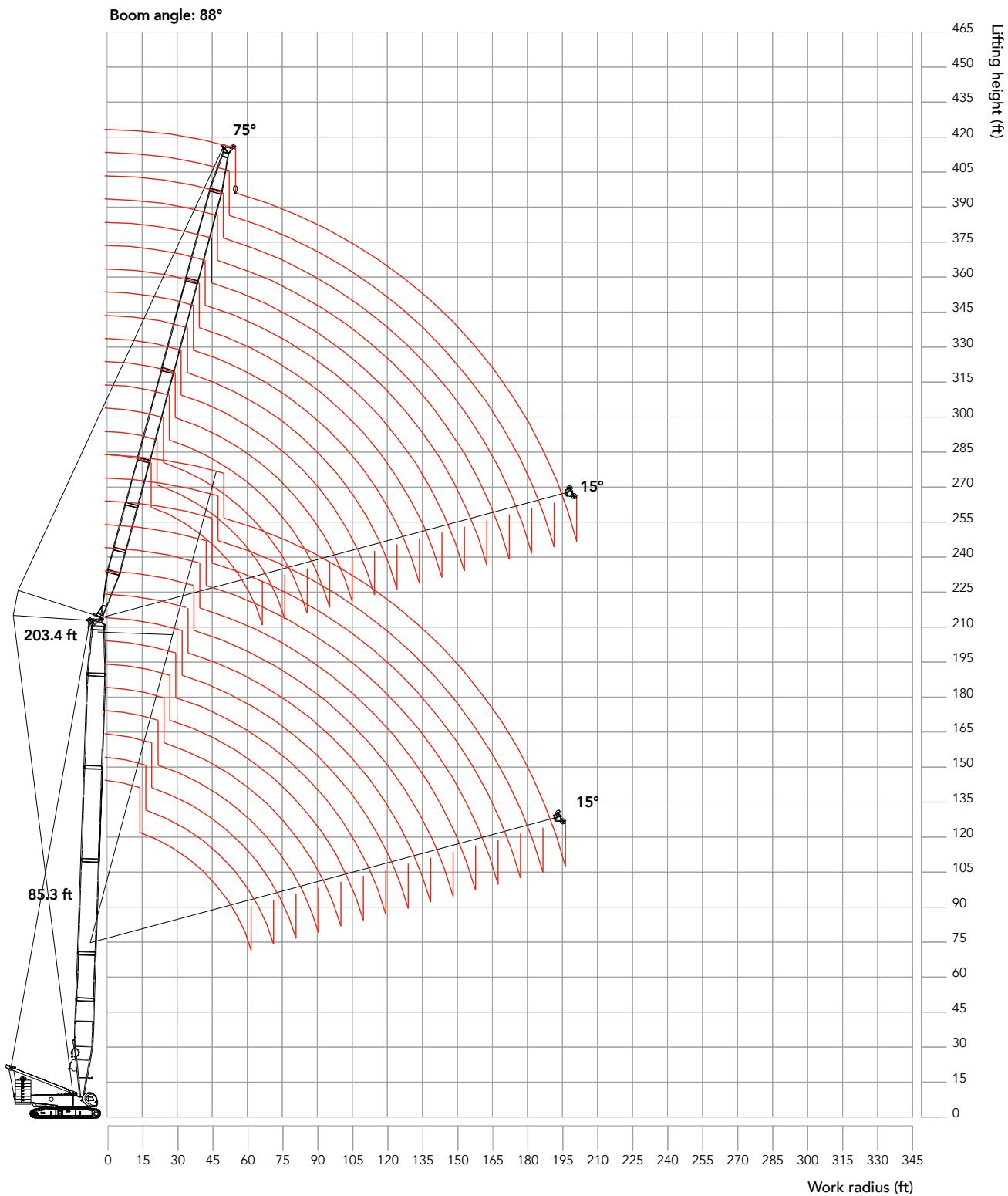
SCA2600A Fixed Jib (without boom tip sheave block)													
		Fixed jib 137.8 ft											
Boom length	154.2ft		164ft		173.9ft		183.7ft		193.6ft		203.4ft		Boom length
Boom to jib angle Radius Ft.	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	Boom to jib angle Radius Ft.
60													60
65													65
70	35.2		35.0		34.7		36.6						70
75	34.6		34.4		34.1		36.0		33.4		33.1		75
80	33.9		33.7		33.4		35.3		32.9		32.6		80
85	33.1	-	32.9		32.7		34.7		32.2		32.1		85
90	32.5		32.3		32.1		34.1		31.8		31.5		90
95	31.8		31.7		31.6		33.6		31.3		31.1		95
100	31.0		31.1		31.1		33.0		30.8		30.6		100
105	29.8	22.9	30.4		30.4		32.3		30.4		30.1		105
110	28.1	22.2	29.0		29.6		31.8		29.8		29.6		110
115	26.9	21.7	27.8	21.9	28.3	22.0	30.9	22.1	29.2	22.3	29.1	22.3	115
120	25.8	21.2	26.5	21.3	27.0	21.4	29.7	21.6	28.4	21.8	28.6	21.8	120
125	24.5	20.7	25.2	20.7	26.0	20.9	28.3	21.2	27.2	21.4	27.8	21.4	125
130	23.4	20.0	24.1	20.2	24.8	20.4	27.1	20.6	26.1	20.8	26.6	20.8	130
135	22.4	19.5	23.1	19.7	23.8	19.9	26.0	20.1	25.1	20.4	25.6	20.5	135
140	21.4	19.0	22.1	19.3	22.9	19.5	25.0	19.6	24.1	19.9	24.6	20.1	140
145	20.6	18.6	21.2	18.9	22.1	19.1	24.1	19.2	23.0	19.4	23.5	19.6	145
150	19.8	18.2	20.4	18.4	21.2	18.6	23.3	18.8	22.2	19.1	22.8	19.3	150
155	19.1	17.8	19.6	18.1	20.4	18.3	22.4	18.5	21.4	18.7	22.0	18.8	155
160	18.3	17.4	18.9	17.6	19.5	17.8	21.5	18.0	20.7	18.3	21.0	18.3	160
165	17.6	16.9	18.3	17.1	18.7	17.3	20.6	17.5	20.2	17.8	20.1	18.0	165
170	17.1	16.5	17.6	16.8	18.1	17.0	19.9	17.2	20.5	17.4	18.8	17.6	170
175	16.5	16.2	17.0	16.5	17.6	16.7	19.3	16.9	19.6	17.1	17.7	17.3	175
180	15.9	15.9	16.4	16.1	17.0	16.3	18.7	16.6	18.5	16.8	16.6	17.0	180
185	15.3	15.6	15.9	15.9	16.4	16.1	17.9	16.3	17.3	16.5	15.4	16.7	185
190	14.9	15.2	15.4	15.7	15.9	15.9	17.0	16.1	16.3	16.3	14.5	16.5	190
195	14.3	15.1	14.8	15.2	15.4	15.5	16.0	15.8	15.3	16.0	13.5	16.2	195
200	13.9	14.7	14.4	14.8	14.8	15.2	15.0	15.5	14.4	15.7	12.7	15.9	200
205	13.5	14.2	14.0	14.5	14.1	14.9	14.0	15.2	13.5	15.3	11.8	15.6	205
210	13.1	13.9	13.6	14.1	13.2	14.6	13.2	15.0	12.5	15.0	10.9	15.2	210
215	12.6	13.7	12.9	13.9	12.4	14.2	12.3	14.7	11.7	14.7	10.1	15.0	215
220	12.1	13.4	12.2	13.6	11.7	13.9	11.4	14.2	10.9	14.4	9.4	14.8	220
225	11.7	13.1	11.4	13.3	10.9	13.6	10.7	13.8	10.1	14.2	8.6	14.5	225
230	11.2	12.8	10.7	13.2	10.3	13.2	10.0	13.7	9.3	13.9	7.9	14.0	230
235	10.5	12.6	10.0	12.9	9.5	13.0	9.2	13.3	8.6	13.7	7.2	13.0	235
240	9.9	12.3	9.3	12.7	8.8	12.9	8.5	13.0	8.0	12.9	6.6	12.1	240
245		12.0	8.6	12.4	8.1	12.6	7.8	12.4	7.3	11.9	6.0	11.0	245
250		11.7		12.0	7.5	12.2	7.1	11.6	6.6	10.9	5.4	10.0	250
255		11.7		11.6	7.0	11.2	6.6	10.6	5.9	10.1	4.7	9.2	255
260				10.8		10.3	5.9	9.7	5.4	9.1	4.2	8.2	260
265				10.0		9.5		8.9	4.8	8.2	3.7	7.3	265
270						8.6		8.0	4.3	7.3	3.2	6.4	270
275						7.8		7.2	3.8	6.5	2.7	5.6	275
280								6.4		5.8		4.9	280
285										5.0		4.1	285

LJ Configuration

LJ Configuration					
Jib length ft (m)	Insert			Boom Length ft (m)	Boom Angle
	9.8ft (3m)	19.7ft (6m)	39.4ft (12m)		
68.9 (21)	1	1	-	85.3ft (26m)~203.4ft (62m)	65°~88°
78.7 (24)	-	2	-	85.3ft (26m)~203.4ft (62m)	65°~88°
88.6 (27)	1	2	-	85.3ft (26m)~203.4ft (62m)	65°~88°
98.4 (30)	-	1	1	85.3ft (26m)~203.4ft (62m)	65°~88°
108.3 (33)	1	1	1	85.3ft (26m)~203.4ft (62m)	65°~88°
118.1 (36)	-	2	1	85.3ft (26m)~203.4ft (62m)	65°~88°
128 (39)	1	2	1	85.3ft (26m)~203.4ft (62m)	65°~88°
137.8 (42)	-	1	2	85.3ft (26m)~203.4ft (62m)	65°~88°
147.6 (45)	1	1	2	85.3ft (26m)~203.4ft (62m)	65°~88°
157.5 (48)	-	2	2	85.3ft (26m)~203.4ft (62m)	65°~88°
167.3 (51)	1	2	2	85.3ft (26m)~203.4ft (62m)	65°~88°
177.2 (54)	-	1	3	85.3ft (26m)~203.4ft (62m)	65°~88°
187 (57)	1	1	3	85.3ft (26m)~203.4ft (62m)	65°~88°
196.9 (60)	-	2	3	85.3ft (26m)~203.4ft (62m)	65°~88°
206.7 (63)	1	2	3	85.3ft (26m)~203.4ft (62m)	65°~88°



Luffing jib combination

LJ Working Radius

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)														
Boom length (ft)		85.3										Boom length (ft)		
Jib length (ft)		68.9						78.7						
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	
33		198.2											33	
35		196.6						193.3					35	
40		190.9	196.9					184.8					40	
45		172.9	187.5					166.2					45	
50		156	169.5					150.2	166.8				50	
55		141.3	151.6	151.8				135.9	150.2				55	
60		127.8	136.2	138.7				123.6	136.0	136.3			60	
65		111.5	122.3	127.8				114.0	123.3	125.5			65	
70		92.6	107.1	118.2	114.4			103.5	113.5	116.6			70	
75			89.6	108.9	105.5			91.3	103.2	108.1	104.5		75	
80				100.2	97.1	94.2			91.7	100.0	96.8		80	
85					92.9	90	87.1			78.8	92.7	89.8		85
90						83.9	81.3			86.5	83.7	80.9		90
95						76	73.5			80.8	78.2	75.7		95
100							69				73.2	71	68.6	100
105							64.8				68.7	66.6	64.4	105
110												62.8	60.8	110
115													57.4	115
120														120
125														125
130														130
135														135

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		85.3											Boom length (ft)		
Jib length (ft)		88.6						98.4						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
33														33	
35														35	
40	182.7							172.9						40	
45	165.2							163.6						45	
50	149.5	164.8						148.4						50	
55	135.3	149.2						134.4	147.5					55	
60	123.0	135.4	133.8					123.0	135.0					60	
65	113.4	123.5	123.3					112.6	123.1					65	
70	104.9	113.7	114.5					104.9	113.2	111.8				70	
75	96.8	105.3	106.7					97.7	104.9	104.2				75	
80	88.2	97.9	99.4	94.9				90.9	97.8	97.4	93.3			80	
85	77.2	90.4	92.3	88.2				84.8	91.1	91.1	87.5			85	
90	65.5	78.9	86.1	82.3				74.7	85.2	85.1	81.7			90	
95		66.7	80.5	76.9	74.4			64.8	77.4	79.5	76.4			95	
100			75.4	72.0	69.7				67.8	74.5	71.6	68.7		100	
105				70.7	67.7	65.5	63.8		57.0	70.0	67.2	64.6		105	
110					63.9	61.7	60.3			66.1	63.4	60.9		110	
115						58.4	57				60.0	57.6	56.1	115	
120							53.9				56.8	54.6	53.1	120	
125											51.8	50.4		125	
130											49.2	47.9		130	
135											45.6			135	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		85.3										Boom length (ft)	
Jib length (ft)		108.3						118.1					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
50		147.2						144.8					
55		133.1	145.0					132.7					
60		121.2	132.8					121.1	130.6				
65		112.0	122.5					111.3	120.5				
70		103.9	112.8					103.4	112.0				
75		96.7	104.1	103.3				96.3	103.8	100.7			
80		90.5	96.6	96.7				89.8	96.1	94.2			
85		84.9	90.5	90.8				84.0	89.8	88.4			
90		76.6	85.0	85.1	79.5			79.3	84.5	83.4			
95		68.2	78.2	79.8	74.5			72.9	79.4	78.4	73.9		
100		60.0	70.4	74.8	69.9	67.4		65.7	74.2	73.6	69.5		
105		52.1	62.3	70.3	65.7	63.3		59.0	68.1	69.2	65.3	62.9	
110		44.0	53.8	66.4	61.9	59.6		51.4	60.8	65.3	61.6	59.2	
115				61.1	58.5	56.4		44.6	53.2	61.7	58.2	56.0	
120				54.0	55.4	53.5	52.5		45.9	58.4	55.1	53.1	
125					52.6	50.7	50.0			55.4	52.2	50.3	48.3
130					49.9	48.2	47.5			52.6	49.6	47.8	46.0
135						45.9	45.1				47.3	45.5	43.7
140							42.9					43.4	41.6
145												41.5	39.7
150												39.5	38.0
155													36.3
160													160
165													165
170													170
175													175

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		85.3											
Jib length (ft)		128						137.8					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
50		137.1											
55		131.1						118.7					
60		120.2	128.4					116.3					
65		110.1	118.6					107.6					
70		101.9	110.3					99.8	108.7				
75		94.7	102.9					92.7	101.4				
80		88.4	96.2	92.6				86.5	94.7	89.3			
85		83.0	90.0	86.9				80.9	88.8	83.8			
90		78.4	84.3	82.0				76.6	83.5	79.2			
95		73.9	79.0	77.5	72.8			72.3	78.6	74.8			
100		69.0	74.5	73.2	68.7			68.2	74.3	70.8	67.4		
105		63.3	70.6	68.8	64.7			64.5	70.6	67.1	63.8		
110		57.0	65.4	64.9	61.0			59.9	66.7	63.1	60.2		
115		51.4	59.5	61.3	57.7	55.4		54.6	62.6	59.6	56.8		
120		45.4	52.8	58.0	54.7	52.5		49.4	57.8	56.4	53.6	51.6	
125		38.2	45.6	55.0	51.8	49.7	47.7	44.4	52.2	53.6	50.9	49.0	
130		32.6	39.6	52.2	49.2	47.2	45.4	37.5	47.4	50.9	48.5	46.5	
135				49.8	46.9	45.0	43.2	32.5	40.8	48.5	46.1	44.2	42.4
140				47.5	44.7	42.9	41.2		34.5	44.8	43.9	42.1	40.4
145					42.7	40.9	39.3			39.2	42.0	40.2	38.5
150					40.7	39.0	37.4			33.7	40.0	38.4	36.8
155						37.3	35.7				38.3	36.7	35.1
160							34.2					35.1	33.6
165												32.1	165
170												30.8	170
175												29.5	175

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Cabbody counterweight 88.2Klb													
Boom length (ft)		85.3										Boom length (ft)	
Jib length (ft)		147.6						157.5					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
55		105.9											55
60		105.0						94.0					60
65		103.9						93.0					65
70		98.7	101.8					92.1	91.5				70
75		92.6	97.6					89.6	90.6				75
80		86.5	91.4					85.5	88.8				80
85		81.1	85.8					79.9	84.4				85
90		76.0	81.0	77.8				75.5	79.8				90
95		71.6	76.5	73.4				71.3	75.4	72.3			95
100		67.8	72.4	69.5				67.3	71.4	68.5			100
105		64.1	68.7	66.1	63.3			63.5	67.7	64.9			105
110		60.9	64.9	62.6	60.1			60.6	64.3	61.8			110
115		57.0	61.4	59.2	56.9			57.7	61.1	58.7	56.2		115
120		52.7	58.2	56.0	53.9			54.7	57.9	55.6	53.4		120
125		48.1	55.1	53.2	51.0	50.5		51.3	54.8	52.8	50.6	48.5	125
130		43.9	49.9	50.5	48.4	48.0		46.5	52.1	50.1	48.0	46.0	130
135		37.9	45.5	48.0	46.1	45.7		42.8	48.4	47.6	45.7	43.7	135
140		32.4	40.2	45.7	43.9	43.5	40.3	39.3	44.5	45.3	43.5	41.6	140
145		28.1	33.4	43.3	41.9	41.4	38.5	35.3	40.3	43.3	41.5	39.7	37.9
150		23.6	29.0	39.1	40.0	39.5	36.6	28.3	33.5	41.4	39.6	37.8	36.2
155				34.1	38.2	37.8	35.1	23.9	29.0	39.6	37.9	36.1	34.5
160					36.5	36.1	33.5		24.8	37.9	36.3	34.5	33.0
165					35.0	34.6	32.0			36.2	34.6	33.0	31.6
170					33.5	33.2	30.8			34.7	33.3	31.7	30.4
175						31.8	29.5				31.9	30.5	29.1
180							28.3					29.3	27.9
185													26.7
190													25.7
195													195
200													200
205													205
210													210

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block) (3-2/20)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Carbody counterweight 88.2Klb

Boom length (ft)		85.3										Boom length (ft)			
Jib length (ft)		167.3						177.2						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
55															55
60	84.5							70.1							60
65	83.6							69.5							65
70	82.7							68.8							70
75	81.8	81.4						68.1	67.7						75
80	80.8	80.6						67.3	66.9						80
85	79.5	79.7						66.5	66.3						85
90	75.0	77.6						65.9	65.6						90
95	70.8	74.2	71.2					65.2	64.9						95
100	66.9	70.3	67.4					64.2	64.4	62.7					100
105	63.3	66.7	63.9					62.5	63.9	62.1					105
110	60.2	63.3	60.7					59.1	62.1	59.6					110
115	57.3	60.3	57.8	55.4				55.0	59.5	57.0					115
120	54.6	57.4	55.1	52.8				50.8	56.5	54.4	52.1				120
125	52.0	54.4	52.2	50.0				47.0	53.3	51.8	49.7				125
130	48.9	51.7	49.6	47.4				43.4	49.0	49.2	47.2				130
135	45.1	49.2	47.2	45.1	43.2			40.1	45.3	46.9	44.9				135
140	41.4	46.5	44.9	43.0	41.2			37.0	41.8	44.7	42.8	40.8			140
145	38.1	43.4	42.9	41.1	39.1			34.2	38.5	42.7	40.7	38.9			145
150	34.9	39.8	40.9	39.1	37.4			31.7	35.6	40.7	38.8	37.0			150
155	28.8	36.2	39.1	37.3	35.7	34.1		29.1	32.9	38.8	37.1	35.3			155
160	23.7	31.0	37.5	35.7	34.1	32.5	26.7	30.4	36.7	35.5	33.7	32.2			160
165		24.7	35.0	34.2	32.6	31.0	23.7	28.1	34.4	33.8	32.2	30.8			165
170		21.2	29.5	32.7	31.4	29.8	16.9	25.7	31.6	32.5	31.0	29.5			170
175			25.3	31.4	30.0	28.5	13.2	19.3	29.2	31.2	29.7	28.2			175
180				30.1	28.7	27.3		14.5	24.1	29.9	28.5	27.0			180
185				28.9	27.5	26.1			18.0	27.5	27.3	25.9			185
190				27.7	26.5	25.1			15.3	21.6	26.3	24.9			190
195					25.4	24.1				18.5	25.2	23.8			195
200							23.2				24.1	22.8			200
205												21.9			205
210												21.0			210

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																					
Boom length (ft)		85.3															Boom length (ft)				
Jib length (ft)		187						196.9						206.7						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
70		67.6						61.4												70	
75		66.9						60.7						55.5						75	
80		66.1	65.7					59.9	59.7					54.8						80	
85		65.2	64.9					59.3	58.9					54.2						85	
90		64.4	64.2					58.7	58.5					53.5	53.3					90	
95		63.8	63.4					58.0	57.8					52.8	52.6					95	
100		63.2	62.8	61.6				57.3	57.1					52.2	52.0					100	
105		62.3	62.3	61.1				56.5	56.5	55.6				51.4	51.4					105	
110		59.4	60.9	58.6				56.0	55.8	54.8				50.8	50.8					110	
115		56.6	58.5	56.0				55.0	55.2	54.0				50.2	50.2	49.4				115	
120		54.0	55.8	53.4				53.2	54.2	52.5				49.6	49.6	48.8				120	
125		51.3	53.3	50.9	48.7			50.7	52.5	50.1	47.7			48.9	49.0	48.1				125	
130		48.8	51.0	48.7	46.4			48.5	50.2	47.8	45.5			47.9	48.3	46.6				130	
135		46.5	48.6	46.4	44.2			46.4	48.0	45.7	43.6			46.0	46.8	44.8	42.7			135	
140		44.4	46.2	44.1	42.2			44.4	45.8	43.7	41.6			44.0	45.0	42.9	40.9			140	
145		42.3	44.0	42.1	40.3	38.3		42.5	43.6	41.7	39.7			42.3	43.3	41.1	39.1			145	
150		39.1	42.0	40.2	38.3	36.4		40.6	41.6	39.7	37.8			40.3	41.3	39.2	37.4			150	
155		36.1	40.2	38.4	36.5	34.7		37.9	39.8	37.9	36.1	34.3		38.8	39.4	37.4	35.6			155	
160		33.4	37.8	36.7	34.9	33.2		35.0	38.1	36.3	34.5	32.7		36.6	37.7	35.7	33.9	32.2		160	
165		30.0	34.8	35.0	33.4	31.8	30.3	32.2	36.2	34.6	33.0	31.2		33.8	36.0	34.2	32.4	30.9		165	
170		23.2	32.2	33.5	31.9	30.6	29.0	29.9	33.8	33.1	31.5	30.0		31.5	34.3	32.7	31.2	29.6		170	
175		19.9	25.6	32.1	30.7	29.2	27.7	27.6	31.4	31.8	30.3	28.7	27.1	29.3	32.6	31.4	29.8	28.2		175	
180		17.1	20.8	30.9	29.5	27.9	26.5	22.5	26.2	30.5	29.1	27.5	26.0	27.1	30.6	30.1	28.5	27.0	25.5	180	
185			18.0	29.7	28.3	26.7	25.3	16.5	20.0	29.3	27.9	26.3	24.9	23.5	28.2	28.9	27.3	25.9	24.3	185	
190			15.1	28.5	27.1	25.7	24.3	14.0	17.6	28.1	26.7	25.3	23.9	16.3	26.1	27.7	26.3	24.7	23.3	190	
195				27.4	26.0	24.6	23.3	11.6	15.0	21.8	25.6	24.2	22.9	13.7	18.8	26.6	25.2	23.7	22.3	195	
200					26.3	24.9	23.6	22.4		18.0	24.6	23.2	22.0	11.4	14.6	21.7	24.1	22.7	21.4	200	
205						23.9	22.7	21.5		15.6	23.7	22.3	21.1		12.3	16.5	23.1	21.8	20.5	205	
210							23.0	21.8	20.6		12.7	22.6	21.4	20.2		9.9	15.3	22.2	21.0	19.6	210
215								20.9	19.8			21.7	20.5	19.4			12.7	21.3	20.1	18.9	215
220									19.0				19.7	18.7				20.5	19.3	18.2	220
225													18.0				19.7	18.5	17.4	225	
230																	17.9	16.7		230	
235																	17.1	16.0		235	
240																	15.3		240		

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)														
Boom length (ft)		114.8										Boom length (ft)		
Jib length (ft)		68.9						78.7						
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	
33		198.1											33	
35		196.6											35	
40		191.7						181.9					40	
45		178.1						173.9					45	
50		162.4	157.6					159.5	154.9				50	
55		148.1	143.6					145.4	141.2				55	
60		135.4	131.7	125.4				133.5	129.6				60	
65		122.9	121.6	115.7				123.4	119.7				65	
70		97.6	113.3	107.6				114.9	111.4	105.8			70	
75			105.9	100.4	95.4			102.5	104.1	98.7			75	
80				93.9	89.3			86.8	97.5	92.5	87.9		80	
85					88.2	83.8		71	91.8	87	82.4		85	
90						82.3	78.4		85.7	81.8	77.9		90	
95						73.3	70			76.7	73.1	69.6	95	
100							65.6				68.5	65.2	100	
105							61.7	58.7			64.5	61.3	105	
110							58	55.4			60.7	57.8	110	
115								52.4				54.6	52	115
120												49.2	120	
125												46.7	125	
130												44.3	130	
135													135	
140													140	
145													145	
150													150	

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Cabbody counterweight 88.2Klb

Boom length (ft)		114.8										Boom length (ft)			
Jib length (ft)		88.6						98.4						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
33															33
35															35
40	180.9							170.2							40
45	170.9							164.9							45
50	156.5							153.2							50
55	142.8	138.6						140.7	136.5						55
60	131.1	127.2						129.2	125.3						60
65	121.2	117.5						119.5	115.8						65
70	112.9	109.4	103.9					111.2	107.8						70
75	105.5	102.2	97					104	100.7	95.6					75
80	98.1	95.7	90.9					97.5	94.4	89.5					80
85	89.4	90	85.4					91.8	88.8	84.2					85
90	75	85	80.8	76.5				86.8	83.9	79.6					90
95		79.9	76	72.2				76.2	79.3	75.2	71.4				95
100			71.5	68.1	64.6				74.8	71.1	67.5				100
105			67.3	63.9	60.7				70.4	67.1	63.7	60.5			105
110			63.3	60.4	57.4				66.3	63.3	60.2	57			110
115				57	54.3					59.8	56.9	54			115
120					51.4	48.6					53.9	51.2			120
125						48.7	46.1				51	48.5	45.9		125
130						46.2	43.8				48.4	46	43.6		130
135							41.7					43.8	41.5		135
140													39.5		140
145													37.7		145
150													36		150

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		114.8										Boom length (ft)	
Jib length (ft)		108.3						118.1					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
50		148.2						137					
55		138.3						132.8					
60		127.1	123.1					124.9	121.2				
65		117.5	113.8					115.6	112				
70		109.4	106					107.8	104.3				
75		102.2	98.9	93.9				100.6	97.4				
80		95.7	92.6	87.9				94.2	91.3	86.5			
85		90	87.2	82.6				88.6	85.8	81.3			
90		85.1	82.4	78.1				83.7	81.2	76.9			
95		79	78	73.8	69.9			79.4	76.8	72.6			
100		70.6	73.9	69.9	66.2			75	72.8	68.8	65		
105		59.5	70	66.5	62.9			70.2	69.2	65.5	61.7		
110		50.5	66.1	62.8	59.5			59.6	65.6	62.3	58.8		
115			62.5	59.4	56.3	53.4		51.2	62.1	59	55.8		
120				56.2	53.4	50.6			58.8	55.8	53	50	
125					53.4	50.6	47.9	45.3		55.8	53	50.2	47.5
130					50.7	48	45.4	43		53.1	50.4	47.6	45
135						45.7	43.2	40.9			48	45.4	42.8
140							41.2	38.9				43.3	40.9
145								39.3	37.1				36.7
150									37.6	35.4			
155										33.9			
160													32
165													30.7
170													29.4
175													
180													175

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																		
Boom length (ft)		114.8										Boom length (ft)						
Jib length (ft)		128						137.8										
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)			
50														50				
55		121.2						108.5						55				
60		119.5	118.5					107.8						60				
65		113.2	110.1					107						65				
70		105.9	102.6					103.1	100.8					70				
75		99	95.8					97.6	94.5					75				
80		92.8	89.7					91.5	88.5					80				
85		87.2	84.4					86	83.2					85				
90		82.6	79.8	75.5				81.4	78.7	74.5				90				
95		78.1	75.4	71.4				77	74.4	70.4				95				
100		74	71.5	67.6				73	70.5	66.6				100				
105		70.4	68.1	64.1	60.5			69.4	67.1	63.3	59.7			105				
110		66.9	64.9	61	57.6			66.1	63.9	60.2	56.9			110				
115		61.3	61.6	58.2	55			63	60.9	57.4	54.2			115				
120		53.6	58.4	55.4	52.4			59.3	58	54.8	51.7			120				
125		44.2	55.2	52.6	49.7	46.9		54.2	55.2	52.2	49.3	46.3		125				
130		37.5	47.8	50	47.2	44.4		44.9	52.5	49.6	46.8	44.2		130				
135			41	47.6	44.9	42.2		38.3	50	47.3	44.6	42.1		135				
140				45.3	42.8	40.3	37.9		47.6	45.1	42.6	40		140				
145					43.3	40.9	38.5	36.1		45.3	43.1	40.7	38.1	35.7	145			
150						41.3	39	36.6	34.4		43.1	41.1	38.8	36.4	34.2	150		
155							37.3	35.1	32.9			39.3	37.1	34.9	32.7	155		
160								33.5	31.4				35.5	33.3	31.2	160		
165									32	30.2				33.8	31.8	29.9	165	
170										30.8	28.9				32.5	30.6	28.6	170
175											27.7					29.3	27.5	175
180															26.3		180	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		114.8										Boom length (ft)			
Jib length (ft)		147.6						157.5							
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65		
55		97.6											55		
60		96.8						87.2					60		
65		95.9						86.4					65		
70		95.1	94.7					85.6					70		
75		93.4	91.9					84.9	84.5				75		
80		90.1	87.1					84.1	83.2				80		
85		84.6	81.8					83.2	80.6				85		
90		80.1	77.3					78.9	76.3				90		
95		75.8	73.1	69.1				74.6	72.1	68			95		
100		71.9	69.3	65.4				70.7	68.3	64.4			100		
105		68.3	65.9	62.1				67.3	64.9	61.1			105		
110		65.1	62.7	59				64.1	61.7	58			110		
115		62.1	59.8	56.4	53			61.1	58.8	55.4			115		
120		59.3	57.2	53.9	50.5			58.4	56.2	52.9	49.5		120		
125		56.5	54.6	51.5	48.3			55.8	53.9	50.5	47.3		125		
130		52.9	52	49.2	46.1			53.2	51.6	48.3	45.3		130		
135		45.4	49.6	46.9	44	41.4		50.8	49.2	46.3	43.5		135		
140		38.4	47.2	44.7	42	39.4		47.5	46.9	44.3	41.6	38.9	140		
145		33.5	45	42.7	40.1	37.5		42.8	44.8	42.3	39.7	37.1	145		
150		28.5	43	40.7	38.2	35.8		34.1	42.8	40.3	37.8	35.4	150		
155			41.2	38.9	36.5	34.3	32	29	36.8	38.5	36.1	33.9	155		
160				37.3	34.9	32.7	30.6		31.2	36.9	34.5	32.4	30.1	160	
165					33.4	31.3	29.3			35.2	33	30.9	28.8	165	
170						32.1	30.1	28		33.7	31.7	29.6	27.5	170	
175						30.8	28.8	26.9			32.3	30.4	28.3	26.3	175
180							27.6	25.8			29.1	27.2	25.2	180	
185								24.7				26.1	24.2	185	
190								23.7				25.1	23.3	190	
195								22.7				24	22.3	195	
200													21.4	200	
205														205	
210														210	
215														215	
220														220	

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Cabbody counterweight 88.2Klb

Boom length (ft)		114.8										Boom length (ft)			
Jib length (ft)		167.3						177.2						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
55															55
60	78.9														60
65	78.3														65
70	77.5						64.6								70
75	76.8	76.4					64								75
80	76	75.6					63.3	63.1							80
85	75.2	74.8					62.7	62.5							85
90	74.5	73.7					62.1	61.9							90
95	72.5	70.9					61.7	61.5							95
100	69.5	67.2	63.2				61.4	61.1							100
105	66.1	63.7	59.9				60.9	60.5	58.3						105
110	62.9	60.6	57.1				60.3	59.3	56.1						110
115	60	57.8	54.4				58.6	57	53.6						115
120	57.4	55.3	51.9	48.5			56.4	54.5	51.1						120
125	54.9	52.9	49.5	46.3			54.1	52.1	48.7	45.5					125
130	52.6	50.6	47.3	44.3			51.8	49.8	46.5	43.6					130
135	50.3	48.4	45.3	42.5			48.7	47.7	44.7	41.7					135
140	48	46.3	43.4	40.7			45.2	45.8	42.9	40					140
145	45.6	44.4	41.7	38.9	36.3		41.5	44	41.1	38.3					145
150	42.5	42.3	39.8	37.2	34.8		38.1	42	39.4	36.8					150
155	34.3	40.4	38	35.5	33.3		35.1	40.2	37.7	35.3	32.8				155
160	28.1	38.7	36.3	33.9	31.8		32.4	37.8	36.1	33.7	31.4				160
165	25	37	34.8	32.4	30.4	28.2	29.7	34.8	34.4	32.2	30.1				165
170	20.9	35.5	33.3	31.2	29.1	26.9	27.3	32	33.1	31	28.8				170
175		34.1	31.9	29.9	27.9	25.9	22.3	29.4	31.8	29.6	27.5	25.5			175
180			30.7	28.7	26.7	24.8		25.1	30.5	28.4	26.4	24.4			180
185				27.5	25.5	23.7			29.3	27.3	25.3	23.3			185
190				26.5	24.5	22.7			28.1	26.1	24.3	22.3			190
195				25.4	23.5	21.7			27	25.1	23.2	21.3			195
200					22.6	20.8				24.1	22.2	20.5			200
205						20					21.4	19.7			205
210						19.2					20.6	18.8			210
215						18.5					19.7	18.1			215
220											17.5	220			

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																			
Boom length (ft)		114.8															Boom length (ft)		
Jib length (ft)		187						196.9						206.7					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	88	85	80	75	70	65
70		63.8						58.2											70
75		63.2						57.5						52.9					75
80		62.5	62.1					56.8						52.2					80
85		61.7	61.5					56.5						51.6					85
90		61.3	60.8					56	55.8					51	50.8				90
95		60.7	60.3					55.4	55.2					50.4	50.2				95
100		60.1	59.9					54.8	54.6					49.8	49.7				100
105		59.5	59.3	57.7				54.2	54					49.2	49.2				105
110		58.9	58.2	55				53.6	53.4					48.7	48.6				110
115		57.5	56	52.5				53	52.8	50.8				48.2	48	46.9			115
120		55.5	53.5	50.1				52.4	51.8	49.1				47.6	47.4	46.4			120
125		53.1	51.1	47.7				51.9	50.1	46.9				47.2	47	45.9			125
130		50.8	48.8	45.7				49.9	47.9	44.7				46.7	46.5	43.8			130
135		48.6	46.7	43.8	40.7			47.8	45.9	42.9				46.1	44.9	41.9			135
140		46.6	44.8	41.9	39			45.8	44	41.1	38.2			45	43	40.2	37.2		140
145		44.8	43.1	40.1	37.3			44	42.3	39.3	36.5			43.3	41.3	38.5	35.7		145
150		43	41.4	38.6	35.8			42.4	40.6	37.8	35			41.4	39.8	36.8	34.2		150
155		41.2	39.7	37.1	34.4	31.9		40.7	39.1	36.3	33.6			39.9	38.3	35.4	32.8		155
160		39.5	38.1	35.5	33	30.6		39.1	37.5	34.8	32.3	30		38.3	36.7	34	31.4		160
165		37.5	36.4	34	31.6	29.4		37.4	36	33.4	31.1	28.8		36.8	35.3	32.7	30.2	27.8	165
170		34.5	34.9	32.5	30.4	28.1		35.7	34.5	32.1	29.9	27.5		35.3	34	31.4	28.9	26.7	170
175		25.4	33.4	31.3	29.1	26.9		33.9	33.1	30.9	28.7	26.5		33.9	32.6	30.3	27.9	25.7	175
180		20.1	27.7	30	27.9	25.8	23.8	26.7	31.8	29.6	27.5	25.4		32.5	31.3	29.1	26.8	24.6	180
185		18.2	20.9	28.7	26.7	24.7	22.7	18	30.5	28.3	26.3	24.3	22.2	28.4	30.1	27.9	25.7	23.6	185
190		15.1	19.7	27.7	25.7	23.7	21.7	17	29.3	27.3	25.3	23.3	21.3	16.6	28.9	26.7	24.7	22.7	190
195				26.6	24.6	22.7	20.9	15	28	26.2	24.2	22.2	20.3	14.9	27.6	25.6	23.6	21.7	19.7
200				25.5	23.6	21.8	20		26.9	25.1	23.2	21.3	19.5	13.8	26.5	24.6	22.6	20.8	19
205					22.7	20.9	19.2			24.1	22.3	20.5	18.7		25.5	23.7	21.7	19.9	18.2
210					21.8	20	18.5			23.2	21.4	19.6	17.9		24.6	22.8	20.8	19	17.3
215					20.9	19.2	17.7			22.3	20.5	18.9	17.1		23.1	21.9	20	18.3	16.7
220						18.5	17			19.7	18.2	16.5			21	19.3	17.6	16	220
225							16.3				17.4	15.8				18.5	16.9	15.3	225
230											16.7	15.1				17.9	16.3	14.7	230
235											16	14.4				17.1	15.5	13.9	235
240												13.8				14.8	13.4	240	
245																12.8	245		
250																12.2	250		
255																11.6	255		

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		144.4										Boom length (ft)	
Jib length (ft)		68.9						78.7					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
33		188.5											33
35		188.5											35
40		186.5						180.4					40
45		169.4						165.9					45
50		154.2	148.1					151.4					50
55		141	135.5					138.5	133				55
60		129.8	124.5					127.5	122.4				60
65		120.2	115.2					118.2	113.2				65
70		96.7	107.5	100.2				110.3	105.6	98.5			70
75			100.6	93.6				103.2	98.8	92			75
80			94.4	87.8				96.9	92.6	86.2			80
85			89.2	82.6				91.2	87.4	81.3			85
90				78.2	72.6			82.9	76.9	71.4			90
95				74.2	68.8				72.8	67.6			95
100					65.2	60.5			69.2	64.1			100
105					61.9	57.5			65.9	60.9	56.4		105
110					58.2	54.5				58	53.6		110
115						51.6				54.9	51		115
120							50.4				48.4		120
125							47.7				45.9	47.3	125
130							45.4				43.6	44.9	130
135											42.6		135
140											40.6		140
145													145
150													150
155													155
160													160

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		144.4										Boom length (ft)	
Jib length (ft)		88.6						98.4					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
33													33
35													35
40	158.7												40
45	158.7												45
50	148.1						142.1						50
55	136.1	133.6					134	128.6					55
60	125.3	122.9					123.4	118.4					60
65	116	113.7					114.4	109.7					65
70	108.3	106.1					106.7	102.4					70
75	101.3	99.2	92.3				99.8	95.7					75
80	95	93.1	86.5				93.6	89.8	83.5				80
85	89.6	87.7	81.4				88.4	84.6	78.7				85
90	84.9	82.9	76.9				83.7	80.1	74.3				90
95	77.4	78.6	72.8	67.7			79.4	75.9	70.4				95
100		74.8	69.1	64.1			74.8	72.1	66.8	61.7			100
105		71.4	65.7	60.8			69	68.7	63.5	58.7			105
110			62.8	58				65.6	60.6	56			110
115			59.6	55.3	51.1				57.8	53.4			115
120				52.7	48.8				55.1	50.9	48.6		120
125					46.3					48.7	46.4		125
130					44					46.2	44.2		130
135					41.9	42				44	42.1	41.7	135
140						40					40.2	39.8	140
145						38.2					38.3	37.9	145
150						36.5					36.6	36.2	150
155											34.5		155
160											32.9		160

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Cabbody counterweight 88.2Klb

Boom length (ft)		144.4										Boom length (ft)			
Jib length (ft)		108.3						118.1						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
50		131.2						118.7							50
55		127.6						117.8							55
60		121.2	116.3					115.9	114.6						60
65		112.4	107.7					110.2	106						65
70		104.8	100.5					103.2	98.9						70
75		98.1	94					96.6	92.5						75
80		92.1	88.2	81.9				90.7	86.8						80
85		86.8	83	77.1				85.4	81.7						85
90		82.2	78.5	72.8				80.9	77.3	71.6					90
95		77.8	74.3	69				76.6	73.2	67.8					95
100		73.9	70.6	65.4	60.5			72.7	69.5	64.3					100
105		70.4	67.3	62.1	57.3			69.2	66.1	61.1	56.4				105
110		64.9	64.2	59.2	54.6			66	63	58.2	53.6				110
115			61.4	56.6	52.1			62.3	60.2	55.6	51.2				115
120			58.6	54.1	49.8	45.8		57.7	57.6	53.1	48.9				120
125				51.8	47.7	43.7			55.2	50.9	46.7	43.9			125
130				49.2	45.7	41.9			52.6	48.7	44.7	42			130
135					43.5	40.1				46.6	42.9	40.2			135
140					41.5	38.3	39.1			44.5	41.1	38.4			140
145						36.5	37.3				39.3	36.9	36.6		145
150						34.8	35.6				37.4	35.2	34.9		150
155						33.3	33.9				35.7	33.7	33.4		155
160							32.4					32.2	31.9		160
165							31					30.7	30.6		165
170							29.7					29.4	29.3		170
175													28.1		175
180															180
185															185
190															190
195															195

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																				
Boom length (ft)		144.4																		
Jib length (ft)		128						137.8												
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65							
50													50							
55	106.5							96.5					55							
60	105.7							95.9					60							
65	104.9							95.1					65							
70	100.5	97.2						94.3	93.6				70							
75	95	90.9						92	89.7				75							
80	89.2	85.2						88	84.2				80							
85	84	80.3						82.8	79.3				85							
90	79.5	75.9	70.4					78.4	74.9				90							
95	75.3	71.8	66.6					74.3	70.9	65.6			95							
100	71.5	68.2	63.1					70.5	67.2	62.1			100							
105	68.1	64.9	59.9					67.1	63.9	59.1			105							
110	64.9	61.8	57.1					63.9	61	56.3			110							
115	62	59	54.4	51.2				61	58.2	53.6	49.3		115							
120	59.2	56.4	51.9	48.9				58.4	55.6	51.2	47		120							
125	56.2	54.1	49.7	46.8				56.1	53.3	49.1	44.9		125							
130	51.4	51.9	47.7	44.7				53.8	51.1	46.9	43		130							
135		49.7	45.7	42.8	38.2			50.1	49.1	45	41.2		135							
140			43.8	41.1	36.6			45.9	47.1	43.3	39.6	36.8	140							
145				42.1	39.6	35.1			45	41.7	37.9	35.3	145							
150					40.1	37.8	33.7			43	39.8	36.5	33.9							
155						36.1	32.3	32.6			38.1	35.1	32.6							
160							34.5	30.8	31.2			36.5	33.5	31.3						
165								29.6	29.8				32	30	29.5					
170									28.3	28.5				30.8	28.7	28.2				
175										27.1	27.4				29.5	27.5	27			
180											26.3					26.4	25.9	180		
185												25.1					25.3	24.8	185	
190													24.1					24.2	23.9	190
195																		22.9	195	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		144.4										Boom length (ft)	
Jib length (ft)		147.6						157.5					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
60		87						79.1					60
65		86.4						78.5					65
70		85.6						77.9					70
75		85	84.7					77.3	77.1				75
80		83.9	82.7					76.6	76.4				80
85		81.4	77.9					76	75.8				85
90		77.1	73.6					74.7	72.2				90
95		73	69.7					71.8	68.6				95
100		69.3	66.1	60.9				68.2	65	59.9			100
105		65.9	62.9	57.9				64.9	61.7	56.9			105
110		62.8	59.8	55.1				61.8	58.8	54.1			110
115		60	57.2	52.5				59	56.2	51.5			115
120		57.4	54.7	50.1	47.4			56.4	53.7	49.2			120
125		54.9	52.3	47.9	45.4			54.1	51.3	47.1	43.9		125
130		52.7	50.1	45.9	43.4			51.8	49.1	44.9	42		130
135		50.6	48.1	44.1	41.6			49.7	47.1	43.1	40.2		135
140		48.1	46.2	42.4	39.8			47.7	45.2	41.4	38.4		140
145		44.9	44.4	40.7	38.1	35.4		45.7	43.5	39.7	36.9		145
150		41.2	42.6	39	36.7	34		43.5	42	38.2	35.5		150
155			40.8	37.6	35.4	32.6		40.4	40.3	36.8	34.2	30.8	155
160				36.1	34	31.4		36.9	38.7	35.4	32.8	29.6	160
165					34.4	32.6	30.2	28.5		37	34	31.6	28.4
170						33.1	31.3	29	27.4		35.5	32.7	30.3
175							29.9	27.8	26.3			31.4	29.1
180								28.7	26.6	25.2			30.1
185									25.5	24.2			26.9
190										24.6	23.2		25.9
195											23.4	22.2	21.7
200												21.3	20.8
205													20.4
210													19.4
215													
220													
225													
230													
235													235

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																				
Boom length (ft)		144.4										Boom length (ft)								
Jib length (ft)		167.3						177.2												
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65							
60		71.9											60							
65		71.3											65							
70		70.8						59.5					70							
75		70.3						59					75							
80		69.6	69.3					58.6	58.4				80							
85		69	68.9					58.3	57.9				85							
90		68.5	68.3					57.9	57.5				90							
95		67.9	66.6					57.4	57				95							
100		66.6	63.9					57	56.6				100							
105		63.7	60.7	55.8				56.5	56.4	54			105							
110		60.6	57.8	53				56.1	55.9	52			110							
115		58	55.2	50.5				55.7	54.2	49.7			115							
120		55.5	52.7	48.2				54.5	51.9	47.4			120							
125		53.1	50.3	46.1				52.3	49.5	45.3			125							
130		50.8	48.1	44				50	47.3	43.4			130							
135		48.7	46.1	42.2	40.5			47.9	45.4	41.5	38.9		135							
140		46.8	44.3	40.6	38.7			46	43.6	39.8	37.2		140							
145		45	42.7	38.9	37.1			44.2	41.9	38.1	35.7		145							
150		43.4	41	37.4	35.7			42.6	40.4	36.6	34.3		150							
155		41.5	39.5	35.9	34.2	29.2		40.6	38.9	35.2	32.9		155							
160		39.1	38	34.5	32.8	28		37.8	37.4	33.9	31.5	28.9	160							
165		36.3	36.6	33.3	31.6	26.8		34.5	36	32.7	30.3	27.7	165							
170		33.3	35.1	32	30.5	25.9		31.6	34.7	31.4	29.2	26.7	170							
175			33.7	30.9	29.4	24.9			33.4	30.3	28.2	25.6	175							
180				29.7	28.3	23.9	23.4		32.2	29.2	27.1	24.6	180							
185					28.5	27.1	23	22.5		30.9	28.1	26.2	23.7	22	185					
190						27.3	26.1	22.1	21.7		29.7	27.1	25.3	22.9	21	190				
195							25.1	21.3	20.8			26	24.2	21.9	20.3	195				
200								24.1	20.4	20			24.9	23.2	21.1	19.6	200			
205									19.6	19.2				22.3	20.3	18.8	205			
210										18.8	18.5				21.5	19.5	18.1	210		
215											18.1	17.7				20.6	18.7	17.3	215	
220												16.9					17.9	16.5	220	
225													16.2						15.8	225
230																		15.2	230	
235																		14.5	235	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																								
Boom length (ft)		144.4															Boom length (ft)							
Jib length (ft)		187						196.9						206.7										
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	88	85	80	75	70	65					
Radius(ft)	Boom Angle(°)	70	59					54.4											70					
75		58.4						53.9					49.3						75					
80		58						53.3					48.9						80					
85		57.7						52.8					48.4						85					
90		57.1	56.9					52.2	52				47.8						90					
95		56.7	56.4					51.7	51.5				47.3	47.1					95					
100		56.2	55.9					51.3	51.1				46.9	46.7					100					
105		55.6	55.4					50.8	50.6				46.4	46.2					105					
110		55.1	54.9					50.3	50				45.9	45.7					110					
115		54.7	53.2	48.7				49.9	49.5	47.1			45.5	45.3					115					
120		53.5	50.9	46.4				49.4	48.8	45.4			45	44.8	43.4				120					
125		51.3	48.7	44.3				48.9	47.7	43.4			44.6	44.4	42.6				125					
130		49.1	46.5	42.4				47.9	45.5	41.5			44.1	43.9	40.6				130					
135		47	44.6	40.5				46.1	43.7	39.7			43.7	42.6	38.7				135					
140		45.1	42.8	38.8	35			44.2	42	38			43	41	37				140					
145		43.5	41.1	37.3	33.5			42.5	40.3	36.5	32.7		41.7	39.3	35.5	31.7			145					
150		41.8	39.4	35.8	32.1			41	38.6	35	31.4		40	37.8	34	30.4			150					
155		40.1	37.9	34.4	31			39.3	37.1	33.6	30.2		38.5	36.3	32.6	29.2			155					
160		38.6	36.4	33	29.8			37.8	35.7	32.2	29		37	34.8	31.3	28			160					
165		37.2	35.1	31.7	28.6	25.4		36.5	34.4	31	27.8		35.6	33.5	30.2	26.8			165					
170		35.9	33.8	30.5	27.3	24.3		35.2	33.1	29.9	26.7		34.3	32.2	28.9	25.7			170					
175		34	32.6	29.5	26.4	23.4		34	32	28.7	25.7	23.4		33	31.1	27.9	24.8		175					
180		31.9	31.5	28.4	25.4	22.5		32.6	30.9	27.7	24.7	22.4		31.9	30	26.8	23.8	20.9	180					
185		29.6	30.5	27.4	24.4	21.6		30.8	29.8	26.7	23.8	21.5		30.8	29	25.8	22.8	20	185					
190		27.1	29.3	26.5	23.5	20.7		28.7	28.9	25.7	22.9	20.7		29.5	28.1	24.9	22	19.1	190					
195			28	25.5	22.7	19.9	19.3	26.6	27.8	24.7	21.9	20		27.7	27	23.9	21.1	18.3	195					
200				24.5	21.9	19.2	18.6	26.7	23.9	21.1	19.2	17.8	25.8	26	23.1	20.3	17.7		200					
205					23.5	21.1	18.5	17.9	25.5	23.1	20.4	18.4	17	23.9	25.1	22.4	19.6	17.1	16.1					
210						22.6	20.2	17.9	17.2	24	22.2	19.6	17.6	16.3	21.8	24.2	21.6	18.8	16.3	15.4				
215								19.4	17.3	16.5		21.3	19	17	15.6		23.3	20.8	18.3	15.7	14.8			
220									18.7	16.6	15.8		20.5	18.3	16.4	15		20.1	17.6	15.1	14.1	220		
225										15.8	15.2			17.6	15.8	14.4			19.3	16.9	14.5	13.5	225	
230											15.1	14.6			15.2	13.9				16.3	13.9	13		230
235											14.4	13.9			14.5	13.2				15.6	13.4	12.3		235
240												13.3			13.9	12.6				15	12.8	11.8		240
245													12.7							12.3	11.3			245
250																11.6					11.8	10.7		250
255																11.1					11.2	10.2		255
260																				9.9			260	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)													
Boom length (ft)		173.9										Boom length (ft)	
Jib length (ft)		68.9						78.7					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
40		158.1						146.2					
45		153.3						142.6					
50		144.4	138.8					138.7					
55		134.2	127.2					131.6	125.2				
60		123.8	117.3					121.6	115.4				
65		114.8	108.7					112.9	107				
70			101.6					105.6	99.9				
75			95.2	86.8				99	93.6	85.4			
80			89.4	81.5				93.1	88	80.2			
85			84.4	76.7				88	82.8	75.5			
90				72.6				78.6	71.4				
95				68.9	62.4			74.7	67.7	63.3			
100					59.2				64.3	60			
105					56.4				61.1	57			
110					53.8				58.3	54.3			
115					51.3	46.1				51.9			
120						44.1				49.7	43.1		
125						42.2					41.2		
130						40.3					39.5		
135							38.4				37.9		
140							36.8					35.9	
145												34.4	
150												32.9	
155												31.4	
160													160
165													165
170													170

LJ Load Chart**SCA2600A Luffing Jib (without boom tip sheave block)**

Boom 85.3 ft-203.4ft; Jib 68.9ft-206.6ft; Rear counterweight 220.5Klb; Cabbody counterweight 88.2Klb

Boom length (ft)		173.9										Boom length (ft)			
Jib length (ft)		88.6						98.4						Jib length (ft)	
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
40		134.4													40
45		131.9													45
50		129						119.5							50
55		125.1	122.8					117.4							55
60		119.5	113.2					114.5	111.6						60
65		110.9	105					109	103.6						65
70		103.7	98					102.2	96.8						70
75		97.2	91.8					95.8	90.6						75
80		91.4	86.3	78.6				90	85.1	77.4					80
85		86.2	81.5	73.9				84.8	80.3	72.9					85
90		81.7	77.1	70				80.4	76	69					90
95		77.3	73.1	66.3				76.4	72	65.3					95
100		69.6	62.9	61.2				72.7	68.4	61.9					100
105		66.3	59.9	58.2				69.4	65.3	58.9	56.1				105
110			57.2	55.4					62.4	56.2	53.4				110
115			54.7	52.8					59.8	53.7	51				115
120				50.5	42.9				51.4	48.8					120
125					48.4	41.1			49.3	46.6	39.4				125
130					46.5	39.2			47.3	44.7	37.7				130
135					44.6	37.5				42.9	36.1				135
140						36.1	34.7			41.2	34.7				140
145							34.7	33.3				33.3	32.6		145
150							33.3	31.9				31.9	31.3		150
155								30.8				30.9	30.1		155
160								29.5					28.9		160
165												27.8			165
170												26.6			170

LJ Load Chart

SCA2600A Luffing jib (without boom tip sheave block)													
Boom length (ft)		173.9										Boom length (ft)	
Jib length (ft)		108.3						118.1					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
50		110.1											50
55		108.5						100					55
60		106.8	109.3					98.8					60
65		105	101.7					97.4					65
70		99.9	95					96	93.5				70
75		94.1	88.9					92.3	87.6				75
80		88.4	83.5					87	82.3				80
85		83.4	78.9					82	77.5				85
90		79	74.6	67.6				77.8	73.4				90
95		74.9	70.8	64				73.7	69.6	62.8			95
100		71.2	67.2	60.7				70	66.1	59.6			100
105		67.9	63.9	57.7				66.7	62.9	56.7			105
110		64.8	61	55				63.8	60	54			110
115		59.6	58.3	52.5	52.4			61	57.4	51.6	51.3		115
120			55.9	50.2	50.1			57.8	54.9	49.3	49		120
125				48.1	48			52.7	47.1	46.9			125
130				46.1	45.9			50.5	45.2	44.8			130
135				44.4	44	35.1			43.5	42.9			135
140					42.3	33.6			41.8	41.2	32.7		140
145					40.6	32.2			40.3	39.7	31.4		145
150					39.1	31			38.8	38.2	30.2		150
155					37.6	29.8	29			36.7	29		155
160						28.7	27.8			35.3	27.9	27	160
165						27.6	26.7				26.8	25.8	165
170						26.5	25.7				25.9	24.8	170
175							24.9				25	24	175
180							23.8					23.1	180
185												22.3	185
190												21.5	190
195													195
200													200
205													205
210													210

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		173.9										Boom length (ft)			
Jib length (ft)		128						137.8							
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
50														50	
55	92							84.3						55	
60	90.9							83.6						60	
65	90							82.8						65	
70	89	89.9						82						70	
75	87.8	86						81.2	82.1					75	
80	85.6	80.7						80.4	79.8					80	
85	80.7	76.1						79.5	75.1					85	
90	76.4	72						75.4	71					90	
95	72.4	68.3	61.6					71.5	67.3					95	
100	68.8	64.9	58.4					67.8	63.9	57.6				100	
105	65.5	61.7	55.6					64.5	60.7	54.8				105	
110	62.4	58.8	52.8					61.6	57.9	52.2				110	
115	59.7	56.2	50.4					58.9	55.4	49.7				115	
120	57.2	53.7	48.2	47.7				56.4	52.9	47.4				120	
125	54.8	51.5	46.1	45.5				54.1	50.7	45.3	43.1			125	
130	52.2	49.3	44.2	43.6				51.9	48.7	43.5	41.1			130	
135		47.4	42.4	41.8				49.9	46.7	41.7	39.4			135	
140		45.7	40.8	40.1				47	44.9	40	37.8			140	
145			39.1	38.3	30.5			43.3	38.5	36.2	31.4			145	
150			37.7	33.9	29.2			41.8	37	34.9	30.1			150	
155			36.4	32	28				35.7	33.5	28.9			155	
160				30.8	26.9				34.4	32.2	27.8			160	
165				29.8	26	24.7			33.1	31.1	26.8			165	
170				28.7	24.9	23.7			32	29.9	25.7			170	
175					24	22.9				29	24.7	22.2		175	
180					23.2	22				28	23.8	21.3		180	
185					22.4	21.2					23	20.5		185	
190					21.5	20.4					22.2	19.8		190	
195						19.6					21.5	19		195	
200						18.9						18.3		200	
205												17.7		205	
210												17		210	

LJ Load Chart

SCA2600A Luffing jib (without boom tip sheave block)													
Boom length (ft)		173.9										Boom length (ft)	
Jib length (ft)		147.6						157.5					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
60		76.9						70.5					
65		76.1						69.9					
70		75.5						69.3					
75		74.8	70.4					68.7					
80		74	69.7					68.2	68.6				
85		73.4	68.6					67.7	68.1				
90		72.7	67.2					67.4	67.5				
95		70.2	64.6					66.9	65.1				
100		66.7	61.4	56.4				65.5	61.7				
105		63.5	58.4	53.6				62.5	58.5	52.6			
110		60.4	55.6	51				59.6	55.8	50			
115		57.8	53.1	48.6				56.8	53.3	47.6			
120		55.3	50.8	46.4				54.3	50.9	45.5			
125		53.1	48.6	44.3	43.8			52.1	48.7	43.6			
130		50.8	46.5	42.5	41.7			49.9	46.7	41.6			
135		48.8	44.7	40.7	39.9			47.9	44.8	39.8	39		
140		47	43	39	38.3			46	43.1	38.2	37.4		
145		45.1	41.3	37.5	36.6			44.2	41.5	36.7	35.7		
150		42.2	39.9	36	35.3			42.8	39.8	35.2	34.4		
155		38.4	34.7	34	26.5			40.8	38.4	33.9	33.1		
160		37	33.5	32.6	25.5			38	37	32.7	31.7	24.7	
165			32.3	31.3	24.4				35.7	31.5	30.4	23.6	
170			31.1	30.1	23.3				34.4	30.3	29.2	22.7	
175			30.1	29.1	22.5					29.3	28.2	21.8	
180				28.1	21.7	20.3				28.3	27.2	20.9	
185					27	20.8	19.6			27.4	26.3	20	18.8
190					26.1	20	18.8			26.5	25.5	19.2	18
195						19.3	18.1				24.4	18.7	17.2
200						18.7	17.4				23.6	18	16.6
205						18.1	16.6					17.3	15.9
210						17.5	16.1					16.7	15.2
215							15.4					16.1	14.5
220							14.9						14
225													13.5
230													230
235													235
240													240
245													245

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		173.9										Boom length (ft)			
Jib length (ft)		167.3						177.2							
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
60		65.2												60	
65		64.6												65	
70		61.7						54.6						70	
75		60						54.1						75	
80		59.5	59.7					53.7						80	
85		59	59.2					53.2						85	
90		58.6	58.8					52.8	52.8					90	
95		58.1	58.4					52.3	52.4					95	
100		57.6	57.2					51.9	52.1					100	
105		57.2	54.3					51.6	51.6					105	
110		55	51.8					51.1	51.3					110	
115		52.7	49.4	46.6				50.8	50.6	45.8				115	
120		50.4	47.2	44.4				50.4	49.2	43.7				120	
125		48.2	45.1	42.4				49.9	47.1	41.8				125	
130		46.2	43.2	40.5				48	44.9	39.9				130	
135		44.3	41.4	38.8				46.2	43.1	38.2				135	
140		42.6	39.8	37.2	36.3			44.4	41.4	36.6	35.5			140	
145		41	38.2	35.7	34.6			42.7	39.7	35.1	34			145	
150		39.5	36.8	34.3	33.3			41	38.2	33.6	32.6			150	
155		31.7	35.4	33	32			39.6	36.8	32.3	31.3			155	
160		26.4	34.1	31.7	30.7			38.2	35.4	31.1	30			160	
165		24.8	33	30.6	29.6	22.6		36.7	34.1	30	28.9			165	
170		23.2	31.8	29.5	28.3	21.7		34.9	32.8	28.9	27.7			170	
175			30.7	28.5	27.3	20.8		26.1	31.8	27.9	26.7	20.2		175	
180			29.7	27.4	26.3	20			30.7	26.8	25.6	19.4		180	
185				26.4	25.3	19.2			29.8	25.8	24.6	18.6		185	
190				25.6	24.4	18.5			28.9	24.9	23.7	17.9		190	
195				24.7	23.4	17.8	16.2			24.1	22.8	17.3		195	
200					22.6	17.1	15.5			23.3	22	16.6	15	200	
205					21.8	16.5	14.8				21.2	15.9	14.4	205	
210					21.2	15.9	14.3				20.5	15.3	13.7	210	
215						15.3	13.6				19.8	14.7	13.2	215	
220						14.7	13.1				19.1	14.2	12.5	220	
225							12.6					13.7	11.9	225	
230							12.1					13.1	11.5	230	
235							11.6					12.6	10.9	235	
240							11.1					10.4		240	
245												10		245	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																						
Boom length (ft)		173.9															Boom length (ft)					
Jib length (ft)		187						196.9						206.7						Jib length (ft)		
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)	
70		54.2																		70		
75		53.7						46.4						45.7						75		
80		53.3						49.1						45.3						80		
85		52.8						48.6						44.8						85		
90		52.5	52.4					48.2						44.4						90		
95		52.1	52					47.8	42.5					44	39.1					95		
100		51.7	51.7					47.5	42.1					43.7	38.7					100		
105		51.2	51.2					47	41.8					43.3	38.4					105		
110		50.7	50.7					46.5	41.4					42.8	38					110		
115		50.4	49.8					46.2	41					42.5	37.6					115		
120		50	48.2	42.8				45.8	40.6	41.8				42.1	37.3					120		
125		49.3	46.1	40.8				45.4	40.1	39.8				41.7	37	34.5				125		
130		47.3	44.2	38.9				45.1	38.3	38.1				41.4	36.8	33				130		
135		45.3	42.3	37.2				44.1	36.8	36.4				41.1	35.8	31.5				135		
140		43.5	40.6	35.6				42.8	35.3	34.8				40.7	34.5	30.1				140		
145		41.9	38.9	34.1	29.7			41.1	33.8	33.3				40.1	33.1	28.8				145		
150		40.2	37.4	32.7	28.4			39.4	32.5	31.9				38.6	31.8	27.5				150		
155		38.7	36	31.6	27.2			37.9	31.3	30.8	26.4			37.1	30.5	26.4				155		
160		37.2	34.6	30.4	26.1			36.4	30.1	29.6	25.3			35.6	29.3	25.4	27.2			160		
165		35.9	33.3	29.2	25			35.1	28.9	28.4	24.2			34.3	28.2	24.3	26			165		
170		34.6	32	27.9	23.9			33.8	27.8	27.3	23.3			33	27.1	23.4	24.8			170		
175		25.2	31	27	23			32.6	26.9	26.3	22.4			31.8	26.1	22.6	23.8			175		
180		19.8	30	26	22.2	18.6		26	25.9	25.3	21.5	17.9		30.7	25.2	21.7	22.9			180		
185		18.5	28.9	25	21.4	17.9		17.6	25	24.4	20.6	17.1		27.1	24.3	20.8	22	17.9		185		
190		17.4	27.9	24.1	20.5	17.1		16.6	24.2	23.5	19.7	16.3		16.2	23.5	20.1	21	17.2		190		
195			27.1	23.3	19.7	16.4		15.5	23.4	22.5	18.9	15.7		14.3	22.7	19.3	20.1	16.4		195		
200			26.2	22.5	19	15.7			22.6	21.7	18.3	15		13.3	21.9	18.6	19.4	15.7		200		
205				21.8	18.3	15.1	13.3		21.8	21	17.7	14.3		12.5	21.1	18	18.7	15		205		
210					21	17.7	14.5	12.8		21.2	20.2	16.9	13.7	11.9	11.7	20.5	17.3	17.9	14.3		210	
215					20.2	17.1	13.9	12.1			19.6	16.3	13.2	11.4		19.8	16.8	17.2	13.6		215	
220						16.5	13.3	11.5			18.9	15.7	12.7	10.8			16.1	16.5	13.1	9.8		220
225						15.9	12.7	11				15.1	12.1	10.2			15.5	15.8	12.5	9.3		225
230							12.3	10.6				14.5	11.7	9.7			15	15.2	11.9	8.8		230
235							11.8	10				14	11	9.4			14.4	14.7	11.3	8.3		235
240							11.4	9.6				13.6	10.6	8.9				14.2	10.9	7.9		240
245								9.1					10.1	8.4				13.6	10.4	7.5		245
250								8.7					9.7	7.9					9.9	7		250
255								8.3					9.4	7.6					9.6	6.7		255
260													7.1						9.1	6.2		260
265													6.6							5.8		265
270																			5.4		270	
275																			5.1		275	

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		203.4										Boom length (ft)			
Jib length (ft)		68.9						78.7							
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
40		126.7						118.5						40	
45		122.4						114.9						45	
50		118.2						111.4						50	
55		114.1	119.3					108	114.7					55	
60		110.3	110.1					104.6	108.3					60	
65		106.8	102.3					101.2	100.5					65	
70		101.9	95.7					98.1	94.1					70	
75		96.5	89.8	79.7				94	88.2					75	
80			84.5	74.9				89	82.9	73.5				80	
85			79.9	70.7				84.2	78.3	69.3				85	
90			75.9	66.9					74.3	65.7				90	
95				63.4					70.7	62.3				95	
100				60.2	58.8					59.2				100	
105				57.3	55.8					56.4	54.7			105	
110					53.3					53.8	52.2			110	
115					50.9					51.4	49.8			115	
120					48.6	37.9				47.5				120	
125						36.2				45.5	35.2			125	
130						34.5				43.6	33.7			130	
135						33.1					32.3			135	
140							29.9				31			140	
145							28.8				29.9	27.9		145	
150							27.5				28.6	26.7		150	
155							26.4					25.6		155	
160												24.6		160	
165														165	
170														170	
175														175	
180														180	

LJ Load Chart

SCA2600A Luffing jib (without boom tip sheave block)													
Boom length (ft)		203.4											
Jib length (ft)		88.6						98.4					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65
40													40
45													45
50	104.8							98.3					50
55	102							96					55
60	99.1	105.8						93.6	99.5				60
65	96.2	98.7						91.4	96.7				65
70	93.3	92.4						89	91.1				70
75	90.6	86.6						86.5	85.5				75
80	87.4	81.3						84	80.3				80
85	82.6	76.9						81.4	75.9				85
90	78.4	72.8	64.3					77.2	71.8	63.4			90
95	74.5	69.1	60.9					73.3	68.1	60.1			95
100		65.7	57.8					69.8	64.9	57			100
105		62.7	55	53.4				66.7	61.7	54.2			105
110			52.5	50.8					58.9	51.7			110
115			50.2	48.4					56.6	49.4	47.7		115
120			34.8	46.2						47.3	45.6		120
125				44.2						45.3	43.6		125
130				42.3						43.5	41.7		130
135				40.6	31.3					41.8	39.9		135
140				39	30					38.3	29.5		140
145					28.7					36.8	28.3		145
150					27.6					35.5	27		150
155					26.5	24.5					25.9		155
160						23.5					24.9	22.9	160
165						22.5					24	21.8	165
170						21.7					23.1	21	170
175						20.9						20.2	175
180												19.5	180

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																						
Boom length (ft)		203.4										Boom length (ft)										
Jib length (ft)		108.3						118.1														
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)							
50		91.8												50								
55		90							84.5					55								
60		88.1							83					60								
65		86.1							81.6					65								
70		84.3	88.2						80.1	84				70								
75		82.4	83.8						78.5	81.4				75								
80		80.6	78.8						76.8	77.5				80								
85		78.9	74.3						75.1	73.1				85								
90		75.5	70.4						73.4	69.3				90								
95		71.9	66.9	58.7					70.7	65.7	57.6			95								
100		68.4	63.5	55.7					67.3	62.3	54.7			100								
105		65.3	60.5	53					64.1	59.3	52			105								
110		62.4	57.7	50.5					61.2	56.8	49.5			110								
115		59.5	55.3	48.2					58.6	54.3	47.3			115								
120			53	46.1	44.2				56.3	52	45.3	43.3		120								
125				44.1	42.2					49.9	43.4	41.3		125								
130					42.3	40.5				47.9	41.5	39.4		130								
135						40.7	38.8				46	39.8	37.8		135							
140							39.2	37.2				38.2	36.4		140							
145								35.7	27.1				36.7	34.9	26.3	145						
150									34.4	26				35.3	33.5	25.2	150					
155										33.1	24.9				32.2	24.1		155				
160										31.8	23.9				30.9	23.1		160				
165											23	20.7				29.8	22.2		165			
170												22.1	19.9				28.8	21.3		170		
175													21.3	19.1				20.5		175		
180														18.4				19.8		180		
185															17.7				19		185	
190																17				18.3		190
195																	16.3					195
200																						200
205																						205
210																						210
215																						215
220																						220

LJ Load Chart

SCA2600A Luffing jib (without boom tip sheave block)														
Boom length (ft)		203.4												
Jib length (ft)		128						137.8						
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	
50													50	
55		78.8						73.1					55	
60		77.6						72.2					60	
65		76.3						71.3					65	
70		75.1						70.4					70	
75		73.9	77.1					69.4	71.6				75	
80		72.6	75.4					68.4	70.8				80	
85		71.3	71.6					67.4	70				85	
90		69.9	67.9					66.3	66.9				90	
95		68.3	64.4					65.2	63.6				95	
100		66.1	61.2	53.5				63.9	60.3				100	
105		62.9	58.3	50.8				62.1	57.3	50			105	
110		60.1	55.6	48.3				59.2	54.8	47.7			110	
115		57.6	53.1	46.1				56.7	52.3	45.5			115	
120		55.1	50.8	44.1				54.3	50	43.5			120	
125		52.9	48.7	42.2	40			52.1	47.9	41.6			125	
130		50.7	46.7	40.5	38.3			49.9	45.9	39.7			130	
135		47.8	44.8	38.8	36.6			44.3	44.2	38.1	36		135	
140			43.2	37.2	35.1			39.2	42.6	36.6	34.5		140	
145				35.7	33.8			40.9	35.1	33.1			145	
150				34.3	32.4			39.4	33.7	31.7			150	
155				33.1	31.1	23.1		38.1	32.5	30.4			155	
160				32	29.9	22.1			31.3	29.3	21.5			160
165					28.9	21.2			30.2	28.2	20.6			165
170					27.7	20.5			29.3	27	19.9			170
175	18.4				26.7	19.6				26.2	19.1			175
180	17.6				25.7	18.8				25.2	18.4			180
185	16.8					18.1				24.3	17.7	15.2		185
190	16.1					17.5				23.5	16.9	14.6		190
195	15.4					16.9					16.3	13.9		195
200	14.9										15.7	13.4		200
205											15.1	12.8		205
210											14.5	12.1		210
215												11.6		215
220												11.1		220

LJ Load Chart

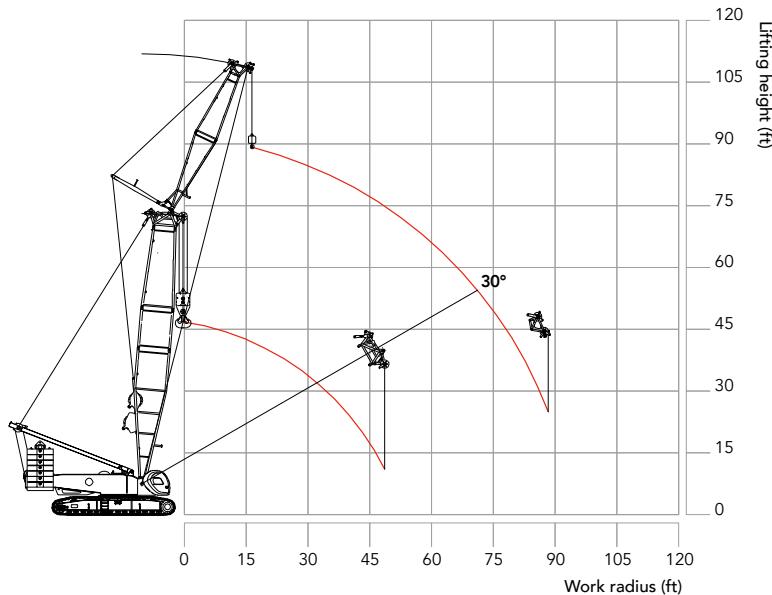
SCA2600A Luffing Jib (without boom tip sheave block)															
Boom length (ft)		203.4										Boom length (ft)			
Jib length (ft)		147.6						157.5							
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	Radius(ft)	Boom Angle(°)
60		67.2						62.4						60	
65		66.4						61.8						65	
70		65.6						61.2						70	
75		64.9						60.5						75	
80		64.1	65.7					59.7	60.9					80	
85		63.2	65.1					59.1	60.3					85	
90		62.4	64.5					58.4	59.9					90	
95		61.5	62.3					57.7	59.4					95	
100		60.6	59.2					57.1	58.2					100	
105		59.7	56.4	48.8				56.4	55.4					105	
110		57.9	53.8	46.5				55.6	52.8					110	
115		55.6	51.3	44.4				54.2	50.3	43.4				115	
120		53.1	49	42.4				52.3	48.1	41.4				120	
125		50.9	46.9	40.6				50.1	46.1	39.6				125	
130		48.9	44.9	38.7				47.9	44.2	37.9				130	
135		47	43.2	37.1				46	42.3	36.3				135	
140		42.8	41.6	35.6	33.4			44.3	40.6	34.8	32.5			140	
145		36	39.9	34.1	32			41.9	39.1	33.3	31.1			145	
150		33.7	38.4	32.7	30.6			33.9	37.6	31.9	29.7			150	
155			37	31.6	29.5			30.8	36.2	30.8	28.6			155	
160			35.7	30.5	28.3			28.8	34.9	29.7	27.4			160	
165				29.4	27.1	19.6			33.7	28.6	26.3			165	
170				28.3	26.1	18.9			32.4	27.5	25.2			170	
175				27.3	25.1	18.2			31.6	26.6	24.2	17.4		175	
180				26.4	24.2	17.5				25.7	23.3	16.7		180	
185					23.4	16.7				20.1	22.5	15.9		185	
190					22.6	16.1				-	21.7	15.3		190	
195					21.7	15.5	13				20.8	14.7		195	
200						14.9	12.4				20.1	14.1	11.5	200	
205						14.3	11.7				19.4	13.5	10.9	205	
210						13.7	11.2				18.7	12.9	10.4	210	
215						13.1	10.7					12.4	9.9	215	
220							10.2					12	9.3	220	
225							9.7					11.5	8.9	225	
230							9.3						8.6	230	
235							8.9						8	235	
240													7.7	240	
245														245	
250														250	
255														255	
260														260	

LJ Load Chart

SCA2600A Luffing jib (without boom tip sheave block)														
Boom length (ft)		203.4												
Jib length (ft)		167.3						177.2						
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	
60													60	
65													65	
70	56.8							49					70	
75	56.2							48.5					75	
80	55.7							48.1					80	
85	55.2							47.6					85	
90	54.6	55.6						47.3	47.7				90	
95	54	55.1						46.9	47.3				95	
100	53.5	54.7						46.5	46.9				100	
105	53	54.2						46	46.6				105	
110	52.4	51.6						45.5	46.3				110	
115	51.8	49.2	42.4					45.1	45.9				115	
120	50.8	47.1	40.4					44.7	45.3	39.8			120	
125	49.1	45.1	38.6					44.4	44.3	37.8			125	
130	47.1	43.2	36.9					43.9	42.5	36.1			130	
135	45.1	41.4	35.3					43.5	40.7	34.5			135	
140	43.3	39.8	33.8					42.6	39	33.1			140	
145	41.7	38.1	32.4	30				41.1	37.5	31.8			145	
150	40.2	36.7	31.2	28.6				39.6	36	30.6			150	
155	33	35.4	30	27.5				37.6	34.6	29.4	26.8		155	
160	27.9	34	28.8	26.3				35.6	33.3	28.2	25.7		160	
165	26.1	32.7	27.6	25.2				33.7	32.1	27	24.7		165	
170	24.6	31.6	26.5	24.1				31.9	31.1	26.1	23.7		170	
175		30.6	25.6	23.3	16.4			25.1	30.1	25.1	22.7		175	
180		29.6	24.7	22.3	15.8			20.9	29	24.1	21.8	15.3	180	
185			23.8	21.4	15.1			28		23.2	21	14.5	185	
190			23	20.7	14.5			27.1		22.4	20.2	13.9	190	
195			22.1	19.9	13.9					21.7	19.3	13.3	195	
200			21.4	19.2	13.3					20.9	18.6	12.7	200	
205				18.4	12.7	10				20.2	17.9	12.2	205	
210				17.6	12.1	9.5				19.4	17.2	11.7	8.8	210
215				17.1	11.6	9					16.5	11.1	8.3	215
220					11.2	8.5					15.8	10.6	7.9	220
225					10.7	8.1					15.2	10.1	7.5	225
230					10.1	7.7						9.7	7.1	230
235					9.8	7.2						9.2	6.7	235
240						6.8						8.8	6.3	240
245						6.4							5.8	245
250													5.5	250
255													5.2	255
260													4.8	260

LJ Load Chart

SCA2600A Luffing Jib (without boom tip sheave block)																			
Boom length (ft)		203.4															Boom length (ft)		
Jib length (ft)		187						196.9						206.7					
Radius(ft)	Boom Angle(°)	88	85	80	75	70	65	88	85	80	75	70	65	88	85	80	75	70	65
60		49.3																	60
65		48.9																	65
70		48.4																	70
75		47.9						44.9						41.8					75
80		47.5							44.5					41.4					80
85		47							44.2					41.1					85
90		46.6	47.5						43.8					40.7					90
95		46.2	47.1						43.5	43.7				40.3	40.3				95
100		45.9	46.7						43.2	43.4				40	40				100
105		45.4	46.4						42.7	42.9				39.7	39.7				105
110		44.9	46.1						42.4	42.6				39.2	39.4				110
115		44.6	45.7						42	42.3				38.9	39.1				115
120		44.2	44.9	38.6					41.6	42				38.6	38.8				120
125		43.7	43.4	36.8					41.3	41.6	36			38.3	38.5				125
130		42.7	41.5	35.3					41	40.6	34.3			38	38.2				130
135		41.2	39.8	33.7					40.7	39	32.7			37.7	37.5	31.9			135
140		39.6	38.2	32.3					40.2	37.4	31.3			37.4	36.4	30.6			140
145		38.1	36.5	30.9					39.3	35.7	30.1			37.1	34.9	29.2			145
150		36.7	35.1	29.6					37.8	34.3	28.8			36.8	33.5	27.8			150
155		35.3	33.8	28.4	25.7				36.4	33	27.6			35.6	32.2	26.7			155
160		33.6	32.5	27.3	24.6				35	31.7	26.5	23.8		34.2	30.9	25.7			160
165		30.4	31.3	26.2	23.6				33.6	30.6	25.4	22.7		32.9	29.8	24.6	21.6		165
170		21.6	30.1	25.1	22.6				32.1	29.5	24.3	21.7		31.6	28.5	23.5	20.8		170
175		19.5	29.1	24.2	21.8				30.5	28.5	23.4	20.9		30.2	27.6	22.6	19.8		175
180		18.4	28.1	23.3	20.8				24.8	27.4	22.5	20		28.9	26.6	21.7	18.9		180
185			27.2	22.4	19.9	13.7			17.8	26.4	21.6	19.2		27.6	25.6	20.8	18.1		185
190			26.3	21.6	19.2	12.9			16.6	25.5	20.8	18.4		26.1	24.7	20	17.4		190
195			25.3	20.7	18.4	12.3			15.5	24.5	20.1	17.5	11.7	17.3	23.7	19.3	16.6		195
200			24.5	20	17.7	11.8			23.7	19.3	16.8	11.1		13.4	22.9	18.6	15.9	10.2	200
205				19.4	17	11.3			23	18.6	16.1	10.6		12.6	22.2	17.9	15.2	9.7	205
210				18.7	16.3	10.7			22.2	18.1	15.4	10.1		11.7	21.4	17.3	14.6	9.1	210
215				18.1	15.6	10.2				17.3	14.8	9.5			20.6	16.5	13.9	8.6	215
220				17.5	15	9.8	6.9			16.7	14.2	9			20	15.9	13.3	8.2	220
225					14.4	9.3	6.5			16.1	13.6	8.5	5.8		15.3	12.7	7.7	4.8	225
230					13.9	8.9	6.2			13	8.1	5.3			12.1	7.3	4.4		230
235					13.3	8.4	5.6			12.4	7.8	5			11.6	6.8	4.1		235
240						8	5.3			12	7.4	4.6			11.1	6.5	3.6		240
245						7.6	4.9			11.5	6.9	4.2			10.6	6.1	3.2		245
250						7.2	4.6				6.5	3.7			10.1	5.8	2.8		250
255						6.8	4.3				6.2	3.4			9.8	5.5	2.5		255
260						3.9					6	3.1				5.2	0.9		260
265						3.5					2.7								265

Heavy Fixed Jib Configuration**Heavy Fixed Jib Configuration (boom to jib angle 20°)****SCA2600A Heavy Fixed Jib Configuration**

1) Boom to jib angle 20°; 2) Rear counterweight 220.5 Klb, car-body counterweight 88.2Klb
Boom length 65.6 ft Jib length 39.4 ft

Radius ft	Boom hook capacity (empty jib hook) Klb	Jib hook (empty boom hook) Klb	Radius ft
16.4	549	-	16.4
17	540.2	-	17
20	493.0	-	20
25	396.8	-	25
30	327.4	-	30
35	283.6	205.7	35
40	228.8	191.1	40
45	188.1	167.4	45
50	158.9	147.8	50
55	134.2	130.6	55
60	113.5	115.5	60
65	-	103.4	65
70	-	93.4	70
75	-	84.7	75
80	-	77.2	80
85	-	70.7	85
90	-	65.2	90
95	-	60.1	95

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