



**SANY**  
AMERICA INC.

# SCC8200

Crawler Crane



- 220 US Tons (100 Metric Tons) @ 16 ft 5 in Radius
- 285 ft Max Tip Height (Main Boom)
- Main Boom, Fixed Jib and Luffing Jib Configurations

## Product Guide

## ULTRA CAB



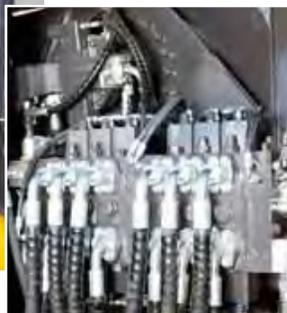
The Ultra Cab, designed by Porsche, maximizes glass space for optimal operator visibility. The working lights and light bar are standard and well positioned. Equipped with adjustable seats and air conditioner. The cab can have a 20° upward angle, and be rotated to the front of platform. Both overhead and bottom view to expand the operating view of drivers and operational safety.

## SANY DESIGNED LMI

SANY designed LMI is prominently displayed. It is user friendly, simple to set up and operate. The console also features large tv monitors.



## HIGH QUALITY, NAME BRAND COMPONENTS



**Cummins** engine coupled to **Rexroth** hydraulic components deliver high reliability and consistent performance.



**SANY**  
AMERICA INC.

## KEY FEATURES

**SCC8200**



- Engine: Cummins QSL9, 325 hp @ 2100 rpm
- Hydraulic system: Rexroth pumps and drive motors
- SANY-designed LML with large display screen
- New ergonomic cab, styled by Porsche Design Studios
- Three configurations available: Main Boom, Fixed Jib, and Luffing Jib
- *Standard features:*
  - Main drum bail limits
  - Main drum and rear counterweight camera system
  - Basic machine lighting package
  - Aircraft warning light

|   |   |
|---|---|
| Maximum Capacity @ Radius                                   | 220 USt @ 16 ft                                       |
| Main Boom   | 3,6 & 11.5 Meter Sections<br>52 ft 6 in – 282 ft 2 in |
| Max Tip Height (H Main Boom)                                | 284 ft 11 in  |
| Fixed Jib Length  | 42 ft 8 in – 101 ft 8 in                              |
| Luffing Jib Length  | 72 ft 2 in – 167 ft 4 in                              |
| Main Winch - Rated Line Pull                                | 29,542 lb   |
| Wire Rope Diameter  | 26 mm   |
| Weight<br>Basic Machine (Without Track Frames or Boom Butt) | 92,594 lb   |
| Total Counterweight (Series 2)                              | 185,188 lb  |
| Length<br>Basic Machine - Transport                         | 36 ft 6 in  |
| Height<br>Basic Machine - Transport                         | 11 ft 2 in  |
| Width<br>Basic Machine - Transport                          | 9 ft 10 in  |
| Tail Swing  | 21 ft 1 in  |



## UPPERWORKS

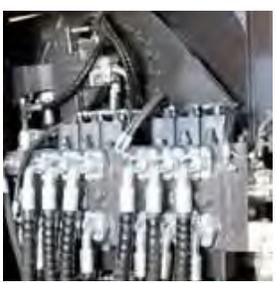
### ENGINE

Cummins Model QSL, 9.0 liter diesel, 6 cylinder  
Power..... 325 hp (242kW)  
Fuel Tank ..... 216 gal (820L)



### HYDRAULIC SYSTEM

Rexroth hydraulic system, including the main pump, main valve, control and motor reducer. It is efficient, energy saving, stable and reliable. It has excellent micro-rotation and performance improvement, load sensing; limit load regulation and hydraulic oil cooling system controlled independently.



### CONTROLS

SANY designed LMI is prominently displayed. It is user friendly, simple to set up and operate. The console also features large tv monitors.



### DRUMS

The main and auxiliary winch are independently driven. Compact and easy-to-install. The low wear and maintenance-free built in wet brake guarantees the security of winch. The variable hydraulic motor automatically adjusts the output load to maximize winch speed based on load.

Rope Diameter ..... 26 mm  
Max Line Speed ..... 410.1 ft/min  
Single Line Pull ..... 29,542 lb  
Max Spooling Main..... 1,148 ft  
Whip ..... 684 ft



### SWING SYSTEM

Rotary hydraulic driven motor provides 360° rotation. Swing bearing: three-row roller slewing bearing  
Swing speed.....0 ~ 2.0 r/min  
Tail Swing.....21 ft. 1 in.

### COUNTERWEIGHT

#### SERIES 1

1 – Upperworks Tray ..... 30,868 lbs  
8 – Upper Side Block ..... 97,000 lbs  
(12,125 lbs each)  
Total ..... 127,868 lbs

#### SERIES 2

1 – Upperworks Tray ..... 30,868 lbs  
8 – Upper Side Block ..... 97,000 lbs  
(12,125 lbs each)  
2 – Upper Side Block ..... 13,228 lbs  
(6,614 lbs each)  
2 – Carbody Block..... 44,092 lbs  
(22,046 lbs each)  
Total ..... 185,188 lbs



**ULTRA CAB**

The Ultra Cab, designed by Porsche, maximizes glass space for optimal operator visibility. The working lights and light bar are standard and well positioned. Equipped with adjustable seats and air conditioner. The cab can have a 20° upward angle, and be rotated to the front of platform. Both overhead and bottom view of drivers and operational safety.



**LOWERWORKS**

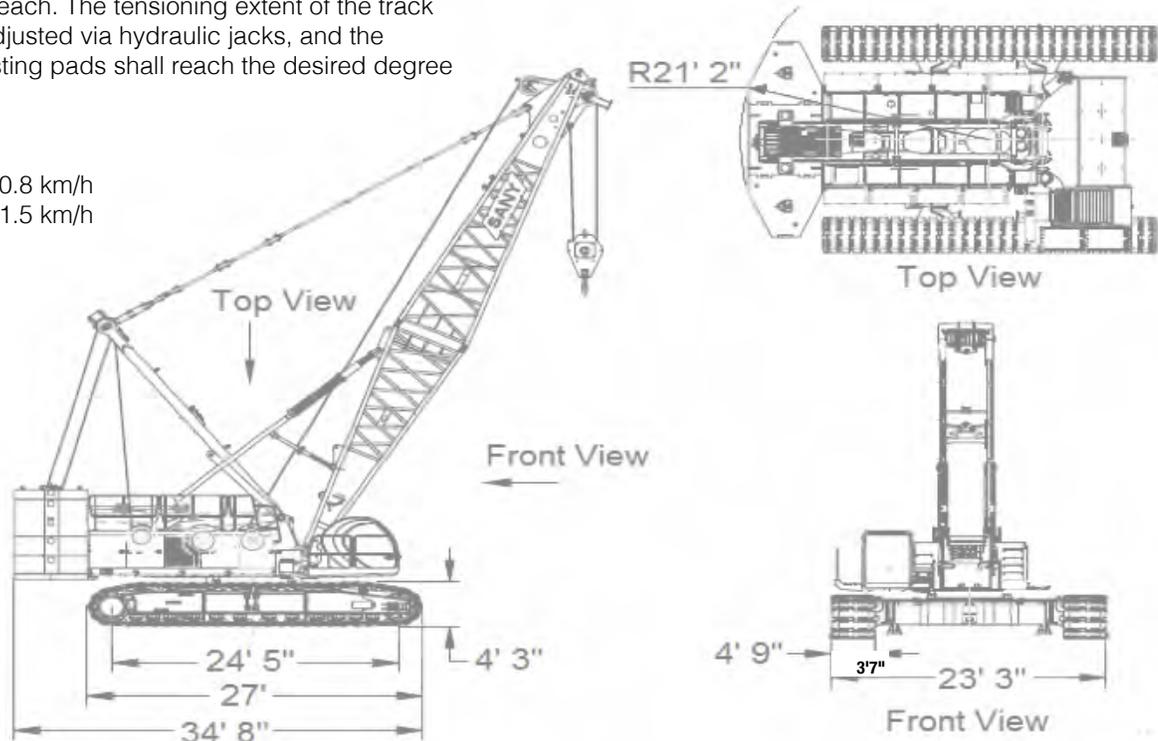
**CARBODY**

Connects upperworks to two independently driven crawler assemblies. Travel motors can achieve lineal travel and counter rotation through motor reducer and high tractive effort.

**CRAWLERS**

112 track shoes on the left and right crawler unit with a width of 3'7" for each. The tensioning extent of the track shoes can be adjusted via hydraulic jacks, and the position of adjusting pads shall reach the desired degree of tension.

Travel speed  
 Low Speed ..... 0.8 km/h  
 High Speed ..... 1.5 km/h



**ATTACHMENTS**

**HEAVY-LIFT MAIN BOOM (H)**

- Max boom length.....282'2" (86m)
- Max boom Combination ..... 2 – 9'10" (3m) insert
- ..... 3 – 19'8" (6m) insert
- ..... 4 – 37'9" (11.5m) insert

**FIXED JIB (FJ)**

- Max Jib Length.....101'8" (31 m)
- Max Jib Combination..... 1 – 9'10" (3m) insert
- ..... 3 – 19'8" (6m) insert

**LUFFING JIB (LJ)**

- Max Luffing Jib Length..... 167'4" (51m)
- Max Luffing Jib Combination..... 1 – 9'10" (3m) insert
- ..... 2 – 19'8" (6m) insert
- ..... 2 – 37'9" (11.5m) insert

### A-Frame Alarm Device

In installation mode, if a-frame does not rise into correct position, the system will alarm and the operator and work mode functions will be inoperative.

### Aircraft Warning Light

Installed on the top of the boom or jib.

### Anemometer

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

### Anti-Two Block (ATB)

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

### Bail Limits

Composed of a mechanical arm with roller riding on the drum wire rope and proximity switches to inform the operator when 3 dead wraps are remaining. The system will alarm through a buzzer and alarm information will be displayed in the instrument cluster and automatically stop the drum movement.

### Boom Stop

Composed of a spring cushioned boom stop and automatic boom stop to prevent exceeding backwards boom angle limits.

### Boom Elevation Device

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

### Drum Locking Device

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

### Emergency Stop Function

In emergency, press the emergency stop button to cut off power supply of the machine and stop all operations.

### Function Cut-Out

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

### Leveling Gauge

Electronic leveling gauge displaying machine angle on monitor.

### Lighting

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

### Lightning Protection Device

Including lightning protection grounding and surge protection devices to prevent damage to electrical components under lightning strikes.

### Monitoring System

**Cameras:** 2 cameras are equipped for monitoring drum spooling, boom hoist, and rear of machine.

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

### Rearview Mirror

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

### Swing Lock

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

### Shove-Off Seat Protection

The operator must be seated for all machine functions to work

### Signs for Boom Angle

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

### Sound and Light Alarming Device

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

### Switch of Installation Mode / Work Mode

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



### Three-Color Load Warning Light

There is green, yellow and red load warning lights, simultaneous displaying real-time load. When the actual load is less than 92% of rated load, the green light is on; when the actual load is between 92% and 100% of the rated load, the yellow light is on, the pre-warning lights will flash and intermittent alarm will be issued; when the actual load reaches 100% of rated load, the red light is on, the pre-warning lights will flash and intermittent alarm will be issued; when the actual load reaches 102% of rated load, the machine will automatically stop hoisting functions.

### Torque Limiter

A completely separate and secure computer-controlled operating system; torque limiter can automatically detect the load of cranes and the angle of boom and show its rated load and actual load, working radius and boom angle.

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

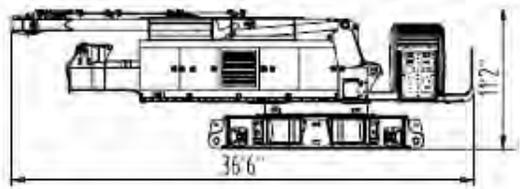
**Functions:** can display real-time rated load, actual load, working radius and boom angle, height and other data at current status of the crane and give real-time alarm if limits are exceeded.

### Turn Indicating Device

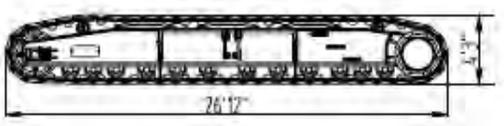
When traveling or swinging, turn indicating light blinks.

### Wire Rope Guides

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


**BASE MACHINE**

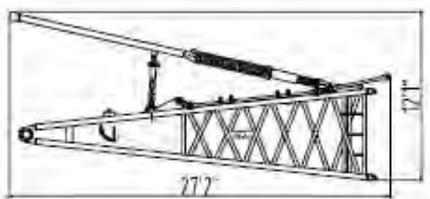
|        |           |
|--------|-----------|
| Length | 36'6"     |
| Width  | 9'10"     |
| Height | 11'2"     |
| Weight | 92594 lbs |


**TRACK FRAME**

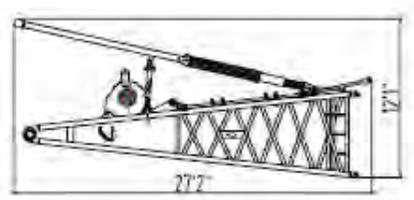
|        |           |
|--------|-----------|
| Length | 26'12"    |
| Width  | 4'9"      |
| Height | 4'3"      |
| Weight | 44092 lbs |


**BOOM TIP**

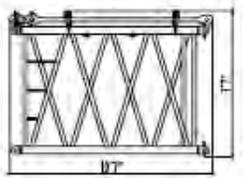
|        |          |
|--------|----------|
| Length | 30'11"   |
| Width  | 7'3"     |
| Height | 8'5"     |
| Weight | 7496 lbs |


**BOOM BASE**

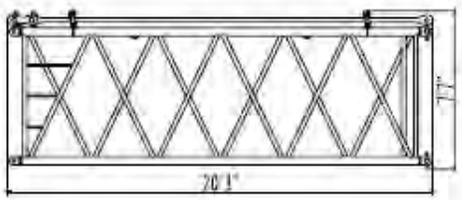
|        |          |
|--------|----------|
| Length | 27'2"    |
| Width  | 7'4"     |
| Height | 12'1"    |
| Weight | 9921 lbs |


**BOOM BASE w/ AUX. DRUM**

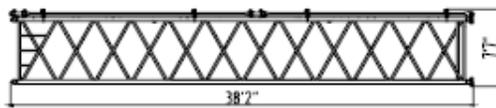
|        |           |
|--------|-----------|
| Length | 27'2"     |
| Width  | 7'4"      |
| Height | 12'1"     |
| Weight | 12566 lbs |


**BOOM INSERT 9'10" (3m)**

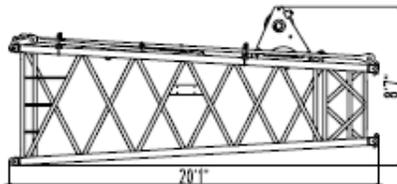
|        |          |
|--------|----------|
| Length | 10'7"    |
| Width  | 7'7"     |
| Height | 7'7"     |
| Weight | 1764 lbs |


**BOOM INSERT 19'8" (6m)**

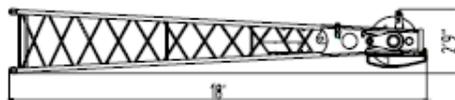
|        |          |
|--------|----------|
| Length | 20'3"    |
| Width  | 7'7"     |
| Height | 7'7"     |
| Weight | 2866 lbs |


**BOOM INSERT 37'9" (11.5m)**

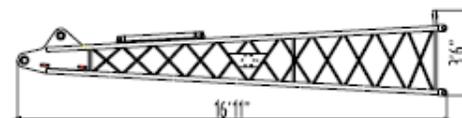
|        |          |
|--------|----------|
| Length | 38'2"    |
| Width  | 7'7"     |
| Height | 7'7"     |
| Weight | 5070 lbs |


**TRANSITION INSERT 19'8" (6m)**

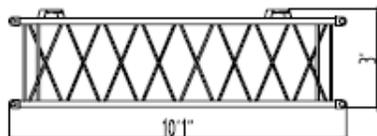
|        |          |
|--------|----------|
| Length | 20'1"    |
| Width  | 7'3"     |
| Height | 8'7"     |
| Weight | 3351 lbs |


**FIXED JIB TIP 16'5" (5m)**

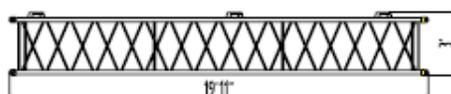
|        |          |
|--------|----------|
| Length | 18'      |
| Width  | 3'4"     |
| Height | 2'9"     |
| Weight | 1102 lbs |


**FIXED JIB BASE 16'5" (5m)**

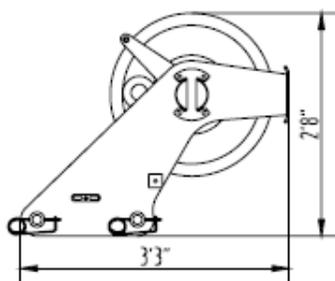
|        |         |
|--------|---------|
| Length | 16'11"  |
| Width  | 3'4"    |
| Height | 3'6"    |
| Weight | 661 lbs |


**FIXED JIB INSERT 9'10" (3m)**

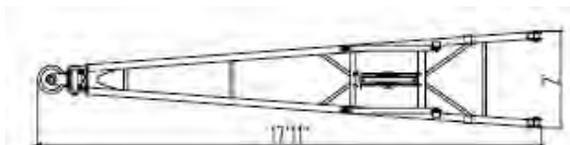
|        |         |
|--------|---------|
| Length | 10'1"   |
| Width  | 3'4"    |
| Height | 3'      |
| Weight | 278 lbs |


**FIXED JIB INSERT 19'8" (6m)**

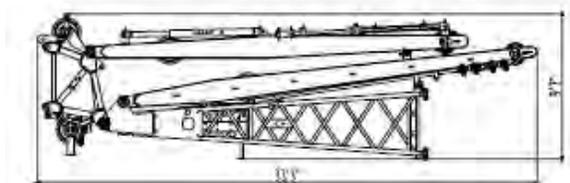
|        |         |
|--------|---------|
| Length | 19'11"  |
| Width  | 3'4"    |
| Height | 3'      |
| Weight | 661 lbs |


**UPPER BOOM POINT**

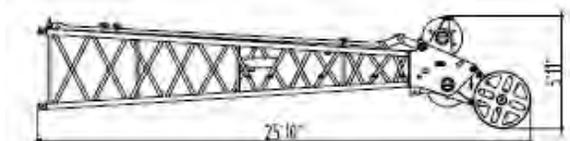
|        |         |
|--------|---------|
| Length | 3'3"    |
| Width  | 1'8"    |
| Height | 2'8"    |
| Weight | 419 lbs |


**FIXED JIB SUPPORT FRAME**

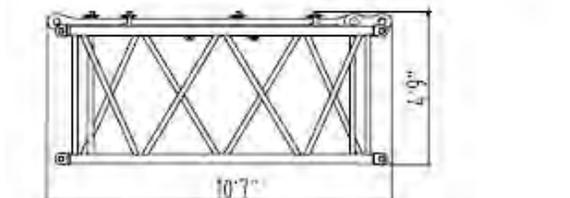
|        |          |
|--------|----------|
| Length | 17'11"   |
| Width  | 3'5"     |
| Height | 2'       |
| Weight | 1168 lbs |


**LUFFING JIB BASE 21'4" (6.5m)  
(Including Struts & Boom Tip Adaptor)**

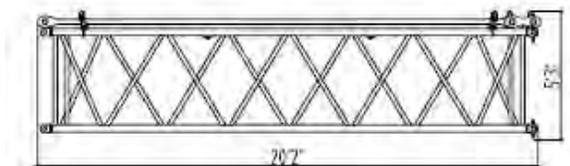
|        |           |
|--------|-----------|
| Length | 33'3"     |
| Width  | 5'        |
| Height | 9'8"      |
| Weight | 15653 lbs |


**LUFFING JIB TIP 21'4" (6.5m)  
(Including the Upper Boom Point)**

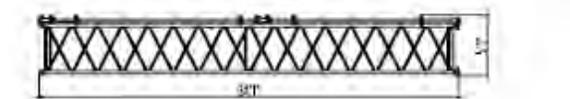
|        |          |
|--------|----------|
| Length | 25'10"   |
| Width  | 4'11"    |
| Height | 4'11"    |
| Weight | 4431 lbs |


**LUFFING JIB INSERT 9'10" (3m)**

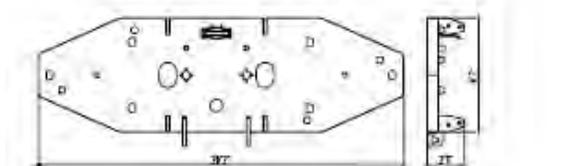
|        |         |
|--------|---------|
| Length | 10'7"   |
| Width  | 5'      |
| Height | 4'9"    |
| Weight | 904 lbs |


**LUFFING JIB INSERT 19'8" (6m)**

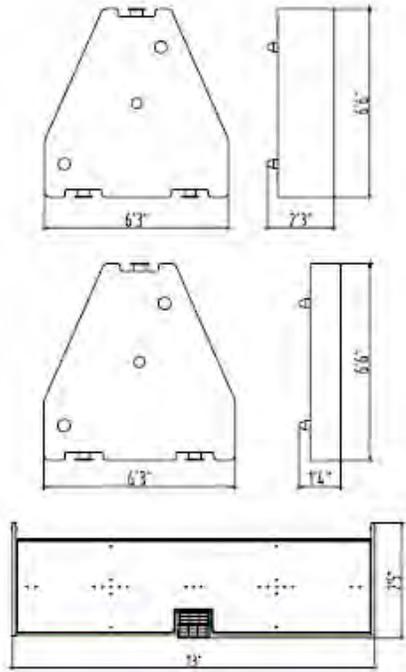
|        |          |
|--------|----------|
| Length | 20'2"    |
| Width  | 5'1"     |
| Height | 5'3"     |
| Weight | 1543 lbs |


**LUFFING JIB INSERT 37'9" (11.5m)**

|        |          |
|--------|----------|
| Length | 38'1"    |
| Width  | 5'1"     |
| Height | 5'1"     |
| Weight | 2866 lbs |


**UPPERWORKS COUNTERWEIGHT TRAY**

|        |           |
|--------|-----------|
| Length | 20'2"     |
| Width  | 6'3"      |
| Height | 2'1"      |
| Weight | 30868 lbs |



**COUNTERWEIGHT BLOCK**

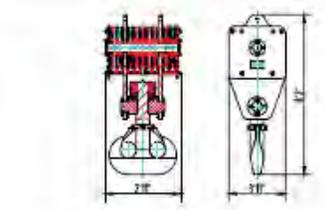
|        |           |
|--------|-----------|
| Length | 6'3"      |
| Width  | 6'6"      |
| Height | 2'3"      |
| Weight | 12125 lbs |

**COUNTERWEIGHT BLOCK**

|        |          |
|--------|----------|
| Length | 6'3"     |
| Width  | 6'6"     |
| Height | 1'4"     |
| Weight | 6614 lbs |

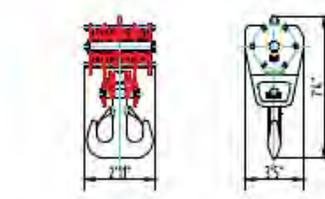
**CARBODY COUNTERWEIGHT**

|        |           |
|--------|-----------|
| Length | 13'       |
| Width  | 4'9"      |
| Height | 2'5"      |
| Weight | 22046 lbs |



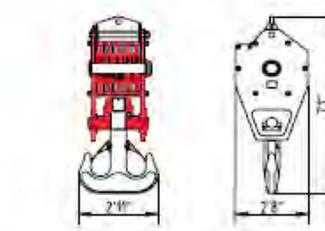
**220 US<sub>t</sub> (200 MT) HOOK BLOCK**

|        |          |
|--------|----------|
| Length | 2'11"    |
| Width  | 3'11"    |
| Height | 8'2"     |
| Weight | 7650 lbs |



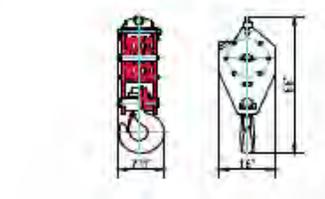
**165 US<sub>t</sub> (150MT) HOOK BLOCK**

|        |          |
|--------|----------|
| Length | 2'11"    |
| Width  | 3'5"     |
| Height | 7'4"     |
| Weight | 5666 lbs |



**110 US<sub>t</sub> (100MT) HOOK BLOCK**

|        |          |
|--------|----------|
| Length | 2'11"    |
| Width  | 2'8"     |
| Height | 7'1"     |
| Weight | 4057 lbs |



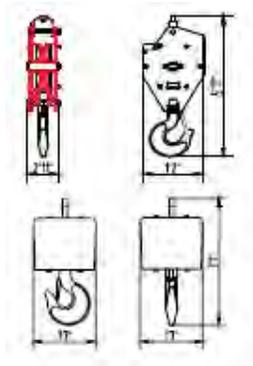
**55 US<sub>t</sub> (50MT) HOOK BLOCK**

|        |          |
|--------|----------|
| Length | 2'11"    |
| Width  | 1'6"     |
| Height | 6'6"     |
| Weight | 2116 lbs |



**SANY**  
AMERICA INC.

## TRANSPORT DIMENSIONS



### 28 Ust (25MT) HOOK BLOCK

|        |          |
|--------|----------|
| Length | 2'11"    |
| Width  | 1'2"     |
| Height | 5'11"    |
| Weight | 1653 lbs |

### 14.9 Ust (13.5MT) HOOK BALL

|        |          |
|--------|----------|
| Length | 1'7"     |
| Width  | 1'7"     |
| Height | 3'1"     |
| Weight | 1146 lbs |

#### NOTES:

1. The transport size of this part is diagram, which is not drawn based on scale, the indicating size is the design value, and the packaging is not included
2. The weight is the design value, due to the manufacturing errors, the weight error is about  $\pm 2\%$



# LOAD OUT SUMMARY

## 282'2" MAIN BOOM + 101'8" FIXED JIB + 167'4" LUFFING JIB TRANSPORT TRAILER LOAD OUT SUMMARY

| NAME   | WEIGHT (LBS) | 1      | 2      | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10   | 11   |
|--|--------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|------|
| BASIC MACHINE<br>(3 WINCHES, CARBODY,<br>OUTRIGGERS, ALL WIRE ROPES) | 92594        | 1      |        |       |       |       |       |       |       |       |      |      |
| TRACK FRAME  | 44092        |        | 2      |       |       |       |       |       |       |       |      |      |
| BOOM BASE W/ AUX. DRUM   | 12566        |        | 1      |       |       |       |       |       |       |       |      |      |
| UPPERWORKS CTWT TRAY   | 30868        |        |        | 1     |       |       |       |       |       |       |      |      |
| CARBODY CTWT   | 22046        |        |        |       |       |       |       |       |       | 2     |      |      |
| CTWT BLOCK 5.5T  | 12125        |        |        |       | 2     | 2     | 2     | 2     |       |       |      |      |
| CTWT BLOCK 3T  | 6614         |        |        |       |       |       |       | 2     |       |       |      |      |
| BOOM TIP   | 7496         |        |        | 1     |       |       |       |       |       |       |      |      |
| MAIN BOOM INSERT 9'10" (3M)  | 1764         |        |        |       |       |       |       |       |       |       |      | 2    |
| MAIN BOOM INSERT 19'8" (6M)  | 2866         |        |        |       |       |       |       |       |       |       | 2    | 1    |
| MAIN BOOM INSERT 37'9" (11.5M)                                       | 5070         |        |        |       | 1     | 1     | 1     | 1     |       |       |      |      |
| TRANSITION INSERT  | 3351         |        |        |       |       |       |       |       | 1     |       |      |      |
| LUFFING JIB TIP<br>(+ UPPER POINT)                                   | 4431         |        |        |       |       |       |       |       | 1     |       |      |      |
| LUFFING JIB BASE   | 15653        |        |        |       |       |       |       |       |       | 1     |      |      |
| LUFFING JIB INSERT 9'10" (3M)  | 904          |        |        |       |       |       |       |       |       |       |      | 1    |
| LUFFING JIB INSERT 19'8" (6M)  | 1543         |        |        |       |       |       |       |       |       |       | 2    |      |
| LUFFING JIB INSERT 37'9" (11.5M)                                     | 2866         |        |        |       | 1     | 1     |       |       |       |       |      |      |
| Fixed Jib Support Frame  | 1168         |        |        |       | 1     |       |       |       |       |       |      |      |
| Fixed Jib Tip  | 1102         |        |        |       |       |       | 1     |       |       |       |      |      |
| Fixed Jib Base   | 661          |        |        |       |       |       | 1     |       |       |       |      |      |
| Fixed Jib Insert 9'10" (3m)  | 278          |        |        |       |       |       |       |       |       |       |      | 1    |
| FIXED JIB INSERT 19'8" (6M)  | 661          |        |        |       |       |       |       | 2     |       |       |      | 1    |
| UPPER BOOM POINT   | 419          |        |        | 1     |       |       |       |       |       |       |      |      |
| HOOK BLOCK 220 UST (200MT)   | 7650         |        |        |       |       |       |       |       | 1     |       |      |      |
| HOOK BLOCK 165 UST (150MT)   | 5666         |        |        |       |       |       |       |       | 1     |       |      |      |
| HOOK BLOCK 110 UST (100MT)   | 4057         |        |        |       |       |       |       |       |       | 1     |      |      |
| HOOK BLOCK 55 UST (50MT)   | 2116         |        |        |       |       |       |       |       |       | 1     |      |      |
| HOOK BLOCK 28 UST (25MT)   | 1653         |        |        |       |       |       |       |       |       | 1     |      |      |
| HOOK BLOCK 14.9 UST (13.5MT)   | 1146         |        |        |       |       |       |       |       | 1     |       |      |      |
| PACKAGE BOX  | 11023        |        |        |       | 1     |       |       |       |       |       |      |      |
| PACKAGE BOX  | 8818         | 1      |        |       |       |       |       |       |       |       |      |      |
| <b>SINGLE TRUCK TRANSPORT WEIGHT (LBS)</b>                           |              | 101412 | 100751 | 38783 | 44377 | 32187 | 31085 | 43872 | 22244 | 67571 | 8818 | 8237 |



# (H) BOOM LOAD CHART

## SCC8200 MAIN BOOM (H) LOAD CHART



2119A



60,400 lbs  
+  
22,000 lbs

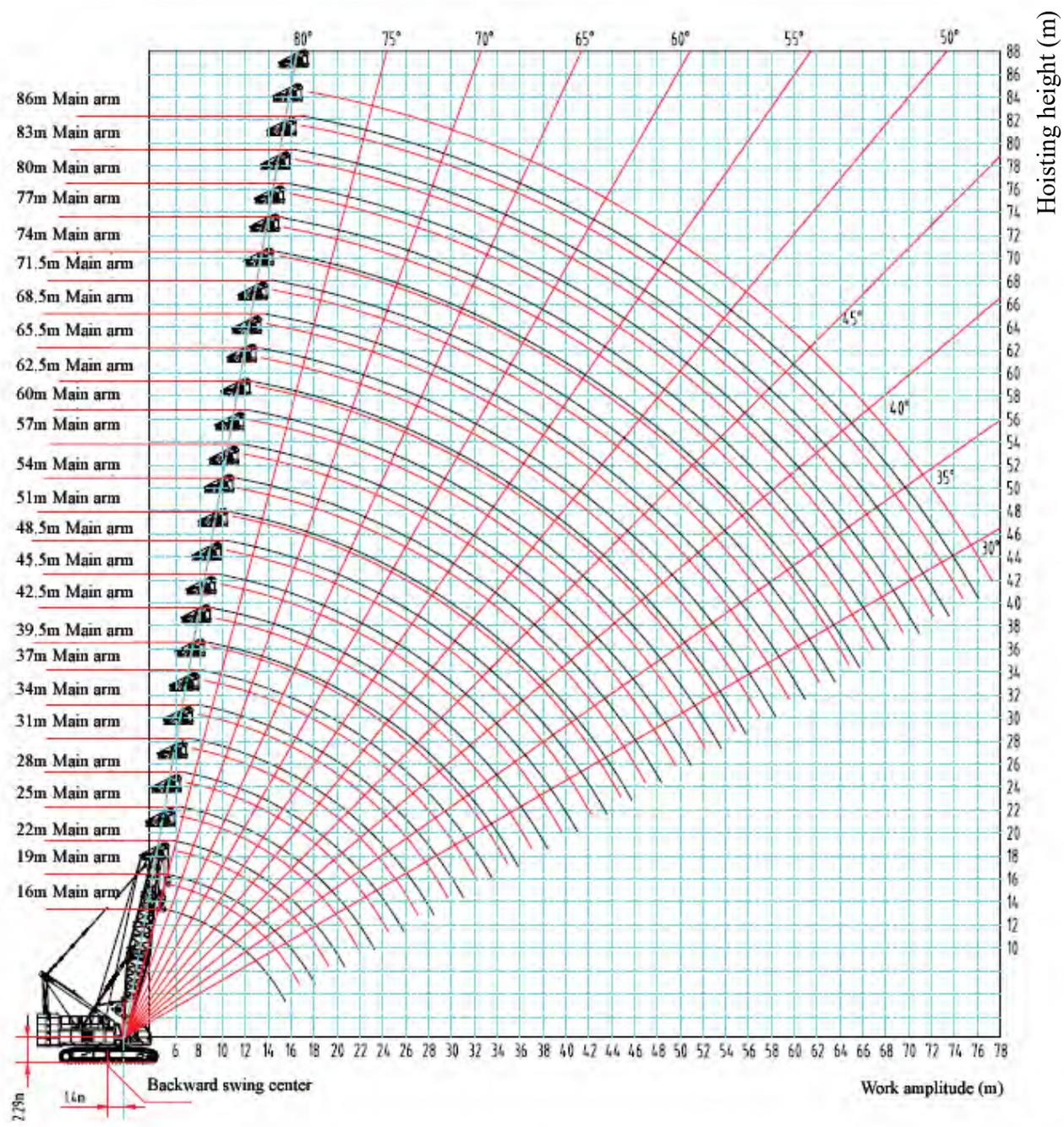


360°

| BOOM LENGTH (ft) |                |       |       |       |       |       |       |       |       |      |      |      |      |
|------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| LOAD RAD (ft)    | 53             | 72    | 92    | 112   | 130   | 149   | 167   | 187   | 205   | 225  | 243  | 263  | 282  |
|                  | CAPACITY (Klb) |       |       |       |       |       |       |       |       |      |      |      |      |
| 16               | 424.4          |       |       |       |       |       |       |       |       |      |      |      |      |
| 18               | 387.9          |       |       |       |       |       |       |       |       |      |      |      |      |
| 20               | 353.7          | 309.7 |       |       |       |       |       |       |       |      |      |      |      |
| 25               | 302.7          | 291.2 | 279.8 |       |       |       |       |       |       |      |      |      |      |
| 30               | 246.1          | 246.1 | 234.1 | 221.2 | 201.9 |       |       |       |       |      |      |      |      |
| 35               | 195.7          | 195.7 | 194.2 | 185.3 | 176.9 | 163.4 |       |       |       |      |      |      |      |
| 40               | 160.9          | 160.9 | 160.9 | 158.4 | 151.9 | 145.4 | 138.5 | 135.2 |       |      |      |      |      |
| 45               | 136.2          | 136.2 | 136.2 | 136.2 | 132.9 | 127.5 | 122.6 | 117.6 | 110.4 | 96.3 |      |      |      |
| 50               |                | 113.4 | 113.4 | 113.4 | 116.4 | 113.2 | 109.1 | 104.8 | 101.0 | 92.4 | 80.2 |      |      |
| 55               |                | 103.5 | 103.5 | 103.5 | 103.5 | 101.6 | 98.0  | 94.2  | 90.9  | 86.9 | 77.2 | 66.3 |      |
| 60               |                | 90.2  | 90.2  | 90.2  | 91.5  | 91.4  | 88.7  | 85.3  | 82.3  | 79.2 | 73.9 | 63.4 | 54.3 |
| 65               |                |       | 82.9  | 82.7  | 82.3  | 81.8  | 80.7  | 77.8  | 75.1  | 72.1 | 69.1 | 60.8 | 52.0 |
| 70               |                |       | 75.2  | 74.9  | 74.6  | 74.1  | 72.4  | 71.4  | 68.8  | 66.2 | 63.7 | 58.3 | 49.8 |
| 75               |                |       | 68.5  | 68.2  | 67.9  | 67.4  | 66.8  | 65.6  | 63.3  | 60.8 | 58.6 | 55.3 | 47.8 |
| 80               |                |       |       | 62.4  | 62.0  | 61.6  | 60.9  | 60.3  | 58.4  | 56.0 | 54.0 | 51.6 | 45.9 |
| 85               |                |       |       | 57.2  | 57.0  | 56.5  | 55.8  | 55.2  | 54.2  | 51.8 | 49.9 | 47.7 | 44.5 |
| 90               |                |       |       | 52.9  | 52.7  | 52.3  | 51.5  | 50.8  | 50.0  | 48.2 | 46.4 | 44.2 | 41.7 |
| 95               |                |       |       | 49.3  | 48.9  | 48.4  | 47.7  | 47.0  | 46.3  | 44.8 | 43.1 | 40.9 | 38.9 |
| 100              |                |       |       |       | 45.3  | 44.9  | 44.2  | 43.5  | 42.9  | 41.7 | 40.1 | 38.0 | 36.1 |
| 110              |                |       |       |       | 38.9  | 39.0  | 38.4  | 37.7  | 37.0  | 36.1 | 34.9 | 33.0 | 31.1 |
| 120              |                |       |       |       |       | 34.2  | 33.5  | 32.8  | 32.1  | 31.3 | 30.4 | 28.7 | 26.9 |
| 130              |                |       |       |       |       | 30.2  | 29.5  | 28.8  | 28.1  | 27.2 | 26.5 | 25.0 | 23.3 |
| 140              |                |       |       |       |       |       | 26.1  | 25.4  | 24.7  | 23.9 | 23.1 | 21.9 | 20.2 |
| 150              |                |       |       |       |       |       |       | 22.5  | 21.8  | 20.9 | 20.2 | 19.1 | 17.4 |
| 160              |                |       |       |       |       |       |       | 20.0  | 19.2  | 18.5 | 17.6 | 16.6 | 15.0 |
| 170              |                |       |       |       |       |       |       |       | 16.9  | 16.1 | 15.4 | 14.5 | 12.8 |
| 180              |                |       |       |       |       |       |       |       |       | 14.2 | 13.5 | 12.5 | 10.9 |
| 190              |                |       |       |       |       |       |       |       |       | 12.5 | 11.6 | 10.7 | 9.2  |
| 200              |                |       |       |       |       |       |       |       |       |      | 10.1 | 9.1  | 7.7  |
| 210              |                |       |       |       |       |       |       |       |       |      | 8.7  | 7.7  |      |

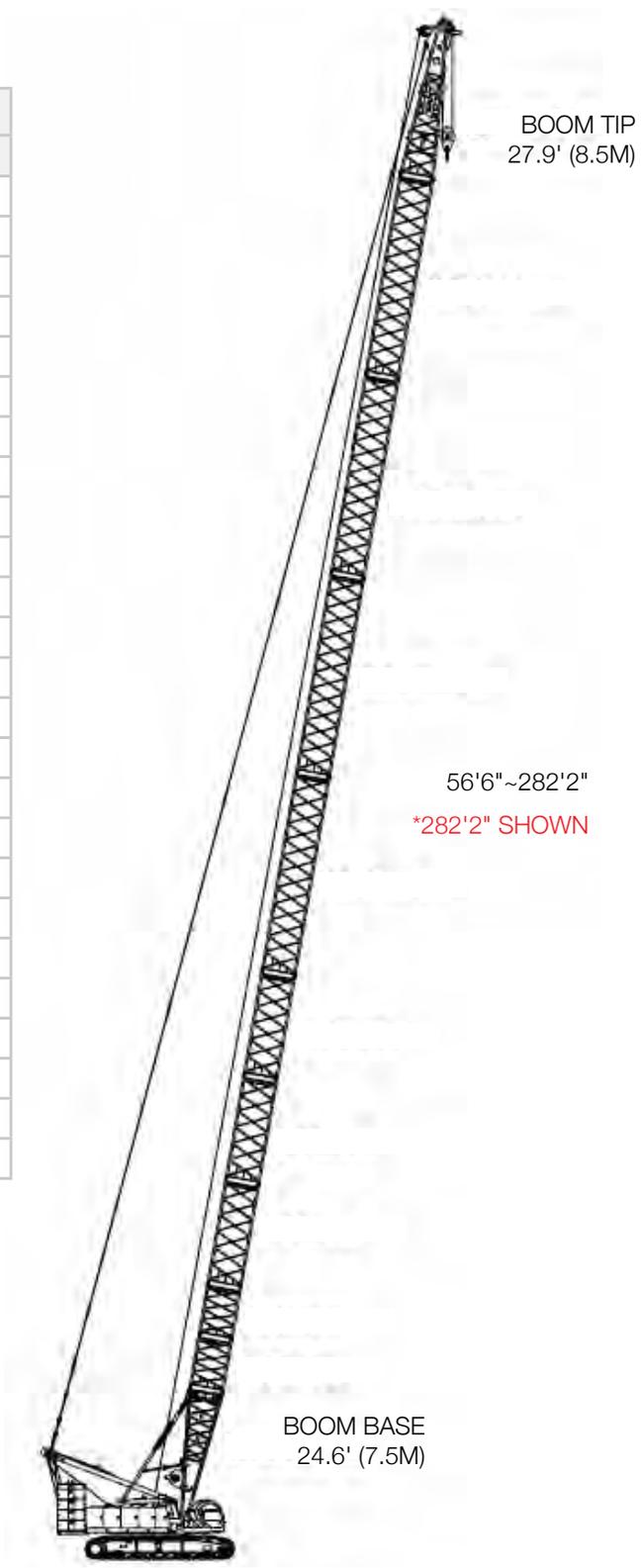
\*This material is supplied for reference only. Operator must refer to Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly operating procedures.

## (H) BOOM RANGE DIAGRAM



## (H) BOOM OPERATING CONDITIONS

| Arm Length<br>(ft) | Boom Insert |       |       |
|--------------------|-------------|-------|-------|
|                    | 9'10"       | 19'8" | 37'9" |
| 56'6"              | -           | -     | -     |
| 62'4"              | 1           | -     | -     |
| 72'2"              | -           | 1     | -     |
| 82'                | 1           | 1     | -     |
| 91'10"             | -           | 2     | -     |
| 101'8"             | 1           | 2     | -     |
| 111'6"             | -           | 3     | -     |
| 121'5"             | 1           | 3     | -     |
| 129'7"             | -           | 2     | 1     |
| 139'5"             | 1           | 2     | 1     |
| 149'4"             | -           | 3     | 1     |
| 159'1"             | 1           | 3     | 1     |
| 167'4"             | -           | 2     | 2     |
| 177'2"             | 1           | 2     | 2     |
| 187'               | -           | 3     | 2     |
| 196'11"            | 1           | 3     | 2     |
| 205'1"             | -           | 2     | 3     |
| 214'11"            | 1           | 2     | 3     |
| 224'8"             | -           | 3     | 3     |
| 234'7"             | 1           | 3     | 3     |
| 242'10"            | -           | 2     | 4     |
| 252'7"             | 1           | 2     | 4     |
| 262'6"             | -           | 3     | 4     |
| 272'4"             | 1           | 3     | 4     |
| *282'2"            | 2           | 3     | 4     |





(FJ) FIXED JIB LOAD CHART

| SCC8200<br>43 FT FIXED JIB |                |      |      |                          |      |       |      |      |      |  |
|----------------------------|----------------|------|------|--------------------------|------|-------|------|------|------|--|
| 0908A + 2119A              |                |      |      | 141,100 lbs + 44,100 lbs |      | 360°  |      |      |      |  |
| BOOM ANGLE 10°             |                |      |      |                          |      |       |      |      |      |  |
| BOOM LENGTH (ft)           |                |      |      |                          |      |       |      |      |      |  |
| LOAD RAD (ft)              | 92             | 112  | 130  | 149                      | 167  | 187   | 205  | 224  | 234  |  |
|                            | CAPACITY (Klb) |      |      |                          |      |       |      |      |      |  |
| 35                         | 55.1           |      |      |                          |      |       |      |      |      |  |
| 40                         | 54.8           | 55.0 | 54.9 |                          |      |       |      |      |      |  |
| 50                         | 49.7           | 51.8 | 52.6 | 54.0                     | 54.7 | 55.7  | 55.5 |      |      |  |
| 60                         | 44.9           | 47.9 | 48.8 | 50.7                     | 51.7 | 52.7  | 53.5 | 54.3 | 54.7 |  |
| 70                         | 40.8           | 44.2 | 45.5 | 47.1                     | 48.1 | 49.32 | 50.3 | 51.1 | 51.5 |  |
| 80                         | 37.2           | 40.8 | 42.3 | 43.8                     | 44.7 | 46.0  | 47.2 | 48.3 | 48.7 |  |
| 90                         | 34.1           | 38.0 | 39.4 | 40.6                     | 41.7 | 43.3  | 44.5 | 45.5 | 46.1 |  |
| 100                        | 31.5           | 35.2 | 36.7 | 37.7                     | 39.1 | 40.6  | 41.8 | 42.4 | 43.0 |  |
| 110                        | 29.0           | 32.4 | 34.0 | 34.9                     | 36.5 | 37.8  | 37.7 | 36.7 | 36.0 |  |
| 120                        | 26.8           | 29.7 | 31.5 | 32.0                     | 33.7 | 33.2  | 32.3 | 31.2 | 30.7 |  |
| 130                        |                | 26.9 | 29.2 | 29.3                     | 29.6 | 28.6  | 27.8 | 26.7 | 26.2 |  |
| 140                        |                | 24.9 | 27.0 | 26.3                     | 25.8 | 24.7  | 24.0 | 22.9 | 22.4 |  |
| 150                        |                |      | 24.8 | 23.3                     | 22.5 | 21.5  | 20.7 | 19.7 | 19.2 |  |
| 160                        |                |      |      | 20.4                     | 19.7 | 18.7  | 18.0 | 17.0 | 16.4 |  |
| 170                        |                |      |      | 18.2                     |      | 16.4  | 15.7 | 14.7 | 14.2 |  |
| 180                        |                |      |      |                          |      | 14.4  | 13.6 | 12.7 | 12.2 |  |
| 190                        |                |      |      |                          |      | 12.6  | 11.9 | 11.0 | 10.5 |  |
| 200                        |                |      |      |                          |      | 11.1  | 10.3 | 9.4  | 9.0  |  |
| 210                        |                |      |      |                          |      |       | 9.0  | 8.1  | 7.6  |  |
| 220                        |                |      |      |                          |      |       | 8.0  | 6.9  |      |  |

| BOOM ANGLE 30°   |                |      |      |      |      |      |      |      |      |  |
|------------------|----------------|------|------|------|------|------|------|------|------|--|
| BOOM LENGTH (ft) |                |      |      |      |      |      |      |      |      |  |
| LOAD RAD (ft)    | 92             | 112  | 130  | 149  | 167  | 187  | 205  | 224  | 234  |  |
|                  | CAPACITY (Klb) |      |      |      |      |      |      |      |      |  |
| 50               | 40.2           | 40.9 |      |      |      |      |      |      |      |  |
| 60               | 36.8           | 38.1 | 38.8 | 39.4 | 40.0 |      |      |      |      |  |
| 70               | 32.9           | 34.7 | 36.0 | 37.2 | 37.7 | 40.1 | 38.6 | 38.8 | 39.0 |  |
| 80               | 29.9           | 31.6 | 32.9 | 34.1 | 35.2 | 38.1 | 36.7 | 37.1 | 37.3 |  |
| 90               | 27.4           | 29.1 | 30.4 | 31.5 | 32.6 | 36.2 | 34.5 | 35.2 | 35.5 |  |
| 100              | 25.2           | 26.8 | 28.0 | 29.3 | 30.4 | 31.3 | 32.2 | 33.0 | 33.4 |  |
| 110              | 23.7           | 25.1 | 26.1 | 27.2 | 28.2 | 29.2 | 30.1 | 30.8 | 31.2 |  |
| 120              | 22.5           | 23.4 | 24.4 | 25.5 | 26.5 | 27.4 | 28.2 | 29.0 | 29.4 |  |
| 130              |                | 22.2 | 23.1 | 24.0 | 24.9 | 25.7 | 26.5 | 27.1 | 27.4 |  |
| 140              |                | 21.5 | 22.0 | 22.7 | 23.4 | 24.2 | 24.5 | 23.8 | 23.3 |  |
| 150              |                |      | 20.9 | 21.5 | 22.2 | 22.0 | 21.4 | 20.5 | 20.0 |  |
| 160              |                |      | 19.9 | 20.4 | 20.1 | 19.2 | 18.6 | 17.7 | 17.2 |  |
| 170              |                |      |      | 18.3 |      | 16.7 | 16.1 | 15.2 | 14.7 |  |
| 180              |                |      |      |      |      | 14.6 | 14.0 | 13.2 | 12.6 |  |
| 190              |                |      |      |      |      | 12.8 | 12.3 | 11.4 | 10.8 |  |
| 200              |                |      |      |      |      | 11.2 | 10.6 | 9.7  | 9.2  |  |
| 210              |                |      |      |      |      |      | 9.2  | 8.3  | 7.9  |  |
| 220              |                |      |      |      |      |      | 8.1  | 7.2  |      |  |

| SCC8200<br>62 FT FIXED JIB |                |      |      |                          |      |      |      |      |      |      |
|----------------------------|----------------|------|------|--------------------------|------|------|------|------|------|------|
| 0908A + 2119A              |                |      |      | 141,100 lbs + 44,100 lbs |      | 360° |      |      |      |      |
| BOOM ANGLE 10°             |                |      |      |                          |      |      |      |      |      |      |
| BOOM LENGTH (ft)           |                |      |      |                          |      |      |      |      |      |      |
| LOAD RAD (ft)              | 92             | 112  | 130  | 149                      | 167  | 187  | 205  | 224  | 234  |      |
|                            | CAPACITY (Klb) |      |      |                          |      |      |      |      |      |      |
| 40                         | 46.0           |      |      |                          |      |      |      |      |      |      |
| 50                         | 41.7           | 43.1 | 44.2 | 45.0                     | 45.2 |      |      |      |      |      |
| 60                         | 37.9           | 39.4 | 40.5 | 41.6                     | 42.5 | 43.4 | 44.2 | 44.4 | 44.8 |      |
| 70                         | 34.5           | 36.2 | 37.3 | 38.5                     | 39.4 | 40.3 | 41.0 | 41.8 | 42.2 |      |
| 80                         | 31.7           | 33.4 | 34.4 | 35.6                     | 36.6 | 37.6 | 38.3 | 39.1 | 39.4 |      |
| 90                         | 28.4           | 30.9 | 32.0 | 33.2                     | 34.2 | 35.1 | 35.9 | 36.7 | 37.0 |      |
| 100                        | 25.1           | 27.7 | 29.8 | 31.1                     | 32.0 | 32.9 | 33.7 | 34.5 | 34.9 |      |
| 110                        | 22.4           | 24.8 | 26.9 | 29.0                     | 29.9 | 30.9 | 31.7 | 32.5 | 32.9 |      |
| 120                        | 20.2           | 22.4 | 24.2 | 26.3                     | 27.9 | 29.1 | 29.8 | 30.6 | 30.8 |      |
| 130                        | 18.4           | 20.2 | 22.0 | 23.8                     | 25.4 | 27.1 | 27.9 | 27.6 | 27.2 |      |
| 140                        | 16.6           | 18.5 | 20.0 | 21.7                     | 23.2 | 24.7 | 24.7 | 23.8 | 23.3 |      |
| 150                        |                | 16.9 | 18.4 | 19.9                     | 21.3 | 22.1 | 21.6 | 20.5 | 20.0 |      |
| 160                        |                | 15.7 | 16.9 | 18.3                     | 19.5 | 19.4 | 18.7 | 17.8 | 17.3 |      |
| 170                        |                |      | 15.7 | 16.9                     | 17.8 | 17.0 | 16.3 | 15.3 | 14.9 |      |
| 180                        |                |      |      | 15.7                     | 15.9 | 15.0 | 14.3 | 13.4 | 12.9 |      |
| 190                        |                |      |      |                          | 14.5 | 14.1 | 13.2 | 12.6 | 11.7 | 11.2 |
| 200                        |                |      |      |                          |      | 12.5 | 11.5 | 10.9 | 10.0 | 9.6  |
| 210                        |                |      |      |                          |      |      | 10.2 | 9.5  | 8.6  | 8.2  |
| 220                        |                |      |      |                          |      |      | 9.0  | 8.3  | 7.5  | 7.1  |
| 230                        |                |      |      |                          |      |      |      | 7.3  |      |      |

| BOOM ANGLE 30°   |                |      |      |      |      |      |      |      |      |     |
|------------------|----------------|------|------|------|------|------|------|------|------|-----|
| BOOM LENGTH (ft) |                |      |      |      |      |      |      |      |      |     |
| LOAD RAD (ft)    | 92             | 112  | 130  | 149  | 167  | 187  | 205  | 224  | 234  |     |
|                  | CAPACITY (Klb) |      |      |      |      |      |      |      |      |     |
| 60               | 27.9           |      |      |      |      |      |      |      |      |     |
| 70               | 26.9           | 27.3 | 27.4 | 27.4 | 27.5 |      |      |      |      |     |
| 80               | 24.8           | 25.7 | 26.1 | 26.5 | 26.7 | 26.8 | 26.8 | 26.8 | 26.8 |     |
| 90               | 22.5           | 23.6 | 24.5 | 25.2 | 25.5 | 25.9 | 26.0 | 26.2 | 26.2 |     |
| 100              | 20.5           | 21.6 | 22.5 | 23.5 | 24.2 | 24.5 | 24.9 | 25.2 | 25.2 |     |
| 110              | 18.7           | 19.9 | 20.8 | 21.7 | 22.4 | 23.1 | 23.7 | 24.0 | 24.1 |     |
| 120              | 17.5           | 18.5 | 19.3 | 20.1 | 20.8 | 21.5 | 22.1 | 22.7 | 23.0 |     |
| 130              | 16.3           | 17.1 | 17.9 | 18.8 | 19.4 | 20.2 | 20.7 | 21.3 | 21.5 |     |
| 140              | 15.5           | 16.1 | 16.8 | 17.5 | 18.2 | 18.9 | 19.4 | 19.9 | 20.1 |     |
| 150              |                | 15.2 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 |     |
| 160              |                | 14.5 | 15.0 | 15.6 | 16.1 | 16.7 | 17.1 | 17.7 | 17.9 |     |
| 170              |                |      | 14.3 | 14.7 | 15.2 | 15.8 | 16.2 | 16.5 | 16.2 |     |
| 180              |                |      |      | 14.0 | 14.4 | 14.9 | 15.1 | 14.5 | 14.0 |     |
| 190              |                |      |      | 13.4 | 13.7 | 13.8 | 13.4 | 12.6 | 12.3 |     |
| 200              |                |      |      |      | 12.8 | 12.2 | 11.7 | 10.9 | 10.6 |     |
| 210              |                |      |      |      |      | 10.7 | 10.2 | 9.5  | 9.0  |     |
| 220              |                |      |      |      |      |      | 9.3  | 8.8  | 8.1  | 7.7 |
| 230              |                |      |      |      |      |      |      | 7.7  |      |     |

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



(FJ) FIXED JIB LOAD CHART

SCC8200 82 FT FIXED JIB



0908A + 2119A



141,100 lbs + 44,100 lbs



BOOM ANGLE 10°

BOOM LENGTH (ft)

Table with columns: LOAD RAD (ft), BOOM LENGTH (ft) (92, 112, 130, 149, 167, 187, 205, 224, 234), CAPACITY (Kib). Rows for load radii from 50 to 240.

BOOM ANGLE 30°

BOOM LENGTH (ft)

Table with columns: LOAD RAD (ft), BOOM LENGTH (ft) (92, 112, 130, 149, 167, 187, 205, 224, 234), CAPACITY (Kib). Rows for load radii from 70 to 240.

SCC8200 102 FT FIXED JIB



141,100 lbs + 44,100 lbs



BOOM ANGLE 10°

BOOM LENGTH (ft)

Table with columns: LOAD RAD (ft), BOOM LENGTH (ft) (92, 112, 130, 149, 167, 187, 205, 224, 234), CAPACITY (Kib). Rows for load radii from 60 to 180.

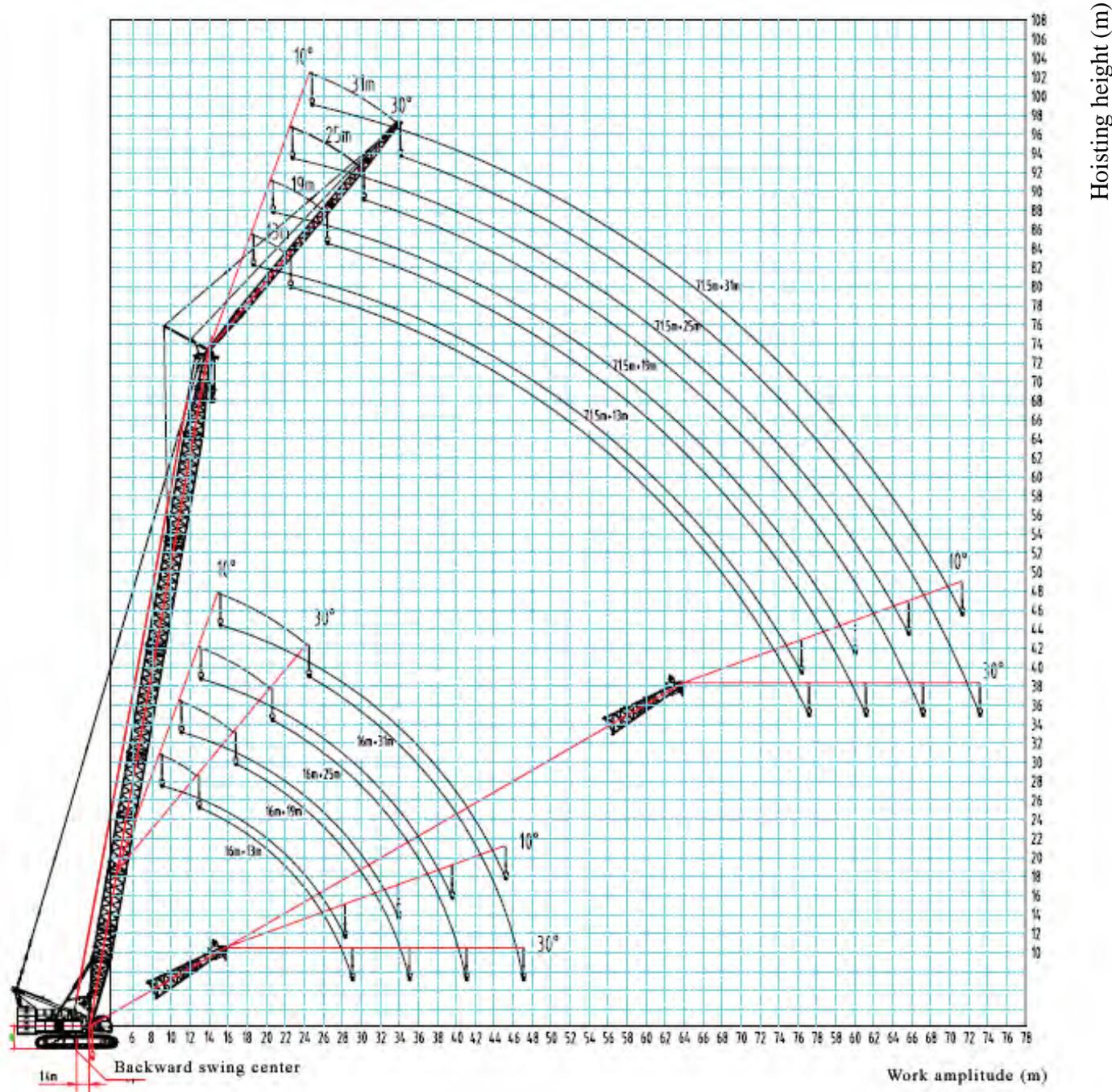
BOOM ANGLE 30°

BOOM LENGTH (ft)

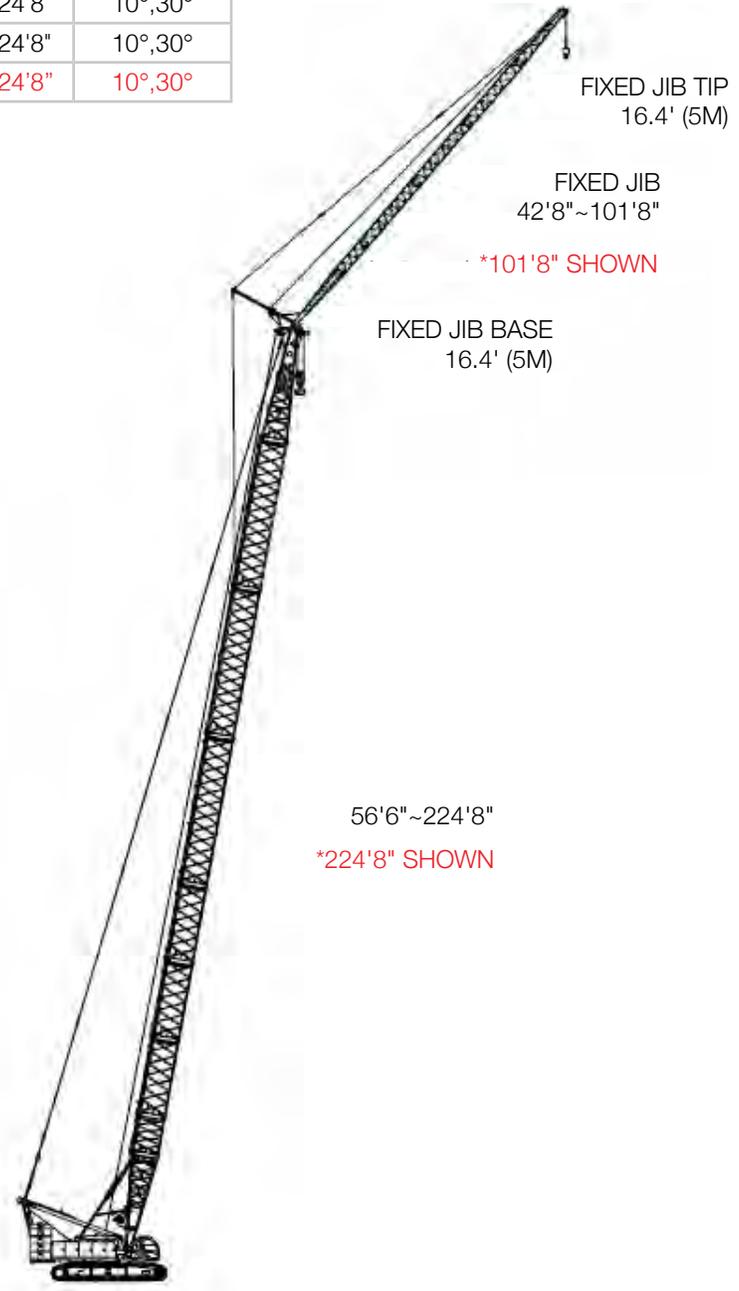
Table with columns: LOAD RAD (ft), BOOM LENGTH (ft) (92, 112, 130, 149, 167, 187, 205, 224, 234), CAPACITY (Kib). Rows for load radii from 80 to 130.

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

# JIB ATTACHMENT ON (H) WORKING RANGE DIAGRAM



| Fixed Jib Length (ft) | Fixed Jib Insert |       | Length of Main Boom (ft) | Angle of Fixed Jib |
|-----------------------|------------------|-------|--------------------------|--------------------|
|                       | 9'10"            | 19'8" |                          |                    |
| 42'8"                 | 1                | -     | 91'10"~224'8"            | 10°,30°            |
| 62'4"                 | 1                | 1     | 91'10"~224'8"            | 10°,30°            |
| 82'                   | 1                | 2     | 91'10"~224'8"            | 10°,30°            |
| *101'8"               | 1                | 3     | 91'10"~224'8"            | 10°,30°            |





(LJ) LUFFING JIB LOAD CHART

| SCC8200<br>72 FT LUFFING JIB |       |       |       |       |      |      |  |
|------------------------------|-------|-------|-------|-------|------|------|--|
|                              |       |       |       |       |      |      |  |
| BOOM ANGLE 85°               |       |       |       |       |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |       |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133   | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |       |      |      |  |
| 35                           | 131.1 |       |       |       |      |      |  |
| 40                           | 118.0 | 118.3 | 117.6 | 103.0 |      |      |  |
| 50                           | 96.9  | 98.4  | 100.0 | 97.4  | 97.0 | 77.3 |  |
| 60                           | 75.4  | 76.5  | 77.6  | 76.8  | 79.6 | 76.2 |  |
| 70                           | 60.3  | 60.8  | 63.0  | 60.5  | 64.7 | 62.6 |  |
| 80                           | 49.3  | 51.6  | 52.1  | 45.9  | 53.3 | 50.2 |  |
| 90                           |       |       |       |       | 43.8 | 44.1 |  |
| BOOM ANGLE 75°               |       |       |       |       |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |       |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133   | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |       |      |      |  |
| 60                           | 88.1  |       |       |       |      |      |  |
| 70                           | 72.4  | 70.6  | 68.4  |       |      |      |  |
| 80                           | 60.6  | 59.3  | 55.8  | 55.8  | 52.1 |      |  |
| 90                           | 51.8  | 51.0  | 39.9  | 48.0  | 45.8 | 42.2 |  |
| 100                          |       | 44.4  | 33.7  | 41.8  | 40.2 | 37.8 |  |
| 110                          |       |       |       | 36.9  | 35.4 | 33.9 |  |
| 120                          |       |       |       |       |      | 30.4 |  |
| BOOM ANGLE 65°               |       |       |       |       |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |       |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133   | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |       |      |      |  |
| 90                           | 49.6  |       |       |       |      |      |  |
| 100                          | 43.3  | 41.5  | 39.5  |       |      |      |  |
| 110                          |       | 36.5  | 34.6  | 32.2  |      |      |  |
| 120                          |       |       | 30.9  | 28.8  | 26.7 |      |  |
| 130                          |       |       |       | 25.8  | 23.8 | 21.8 |  |
| 140                          |       |       |       |       | 21.6 | 19.5 |  |
| 150                          |       |       |       |       |      | 17.3 |  |

| SCC8200<br>82 FT LUFFING JIB |       |       |       |      |      |      |  |
|------------------------------|-------|-------|-------|------|------|------|--|
|                              |       |       |       |      |      |      |  |
| BOOM ANGLE 85°               |       |       |       |      |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |      |      |      |  |
| 40                           | 117.0 | 116.4 | 118.1 |      |      |      |  |
| 50                           | 96.5  | 98.4  | 99.2  | 98.5 | 96.6 | 77.3 |  |
| 60                           | 74.9  | 75.9  | 77.0  | 78.3 | 78.1 | 76.3 |  |
| 70                           | 59.9  | 60.3  | 61.1  | 61.8 | 62.9 | 63.4 |  |
| 80                           | 49.4  | 50.0  | 50.4  | 50.2 | 51.3 | 51.2 |  |
| 90                           | 43.2  | 43.0  | 43.2  | 40.7 | 44.0 | 40.0 |  |
| 100                          |       |       |       |      | 37.7 | 33.6 |  |
| BOOM ANGLE 75°               |       |       |       |      |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |      |      |      |  |
| 70                           | 72.2  | 69.9  |       |      |      |      |  |
| 80                           | 60.6  | 59.1  | 57.4  | 55.5 |      |      |  |
| 90                           | 51.7  | 50.8  | 49.4  | 47.9 | 45.9 | 42.0 |  |
| 100                          | 44.2  | 44.2  | 43.0  | 41.7 | 40.1 | 38.0 |  |
| 110                          |       | 38.8  | 38.0  | 36.8 | 35.3 | 33.7 |  |
| 120                          |       |       |       | 32.7 | 31.5 | 30.0 |  |
| 130                          |       |       |       |      |      | 27.0 |  |
| BOOM ANGLE 65°               |       |       |       |      |      |      |  |
| BOOM LENGTH (ft)             |       |       |       |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95    | 115   | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |       |       |      |      |      |  |
| 90                           | 49.2  |       |       |      |      |      |  |
| 100                          | 43.1  | 41.1  |       |      |      |      |  |
| 110                          | 38.1  | 36.3  | 34.3  |      |      |      |  |
| 120                          |       | 32.3  | 30.5  | 28.6 |      |      |  |
| 130                          |       |       | 27.4  | 25.6 | 23.6 | 21.1 |  |
| 140                          |       |       |       | 23.1 | 21.3 | 19.0 |  |
| 150                          |       |       |       |      | 19.2 | 17.1 |  |
| 160                          |       |       |       |      |      | 15.0 |  |

| SCC8200<br>92 FT LUFFING JIB |       |      |      |      |      |      |  |
|------------------------------|-------|------|------|------|------|------|--|
|                              |       |      |      |      |      |      |  |
| BOOM ANGLE 85°               |       |      |      |      |      |      |  |
| BOOM LENGTH (ft)             |       |      |      |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |      |      |      |      |      |  |
| 40                           | 116.9 |      |      |      |      |      |  |
| 50                           | 96.0  | 98.4 | 98.3 | 97.4 | 86.9 | 77.2 |  |
| 60                           | 74.2  | 75.3 | 76.4 | 78.5 | 77.0 | 75.8 |  |
| 70                           | 59.8  | 60.3 | 61.2 | 62.1 | 62.5 | 63.8 |  |
| 80                           | 49.2  | 49.7 | 50.1 | 50.4 | 51.0 | 52.0 |  |
| 90                           | 42.9  | 42.4 | 42.5 | 41.6 | 43.3 | 42.0 |  |
| 100                          | 37.1  | 36.2 | 38.3 | 33.9 | 37.3 | 35.3 |  |
| 110                          |       |      |      |      | 33.7 | 29.5 |  |
| BOOM ANGLE 75°               |       |      |      |      |      |      |  |
| BOOM LENGTH (ft)             |       |      |      |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |      |      |      |      |      |  |
| 70                           | 71.4  |      |      |      |      |      |  |
| 80                           | 60.4  | 58.8 | 56.4 |      |      |      |  |
| 90                           | 51.6  | 50.6 | 49.2 | 47.6 | 44.8 |      |  |
| 100                          | 44.1  | 44.1 | 42.8 | 41.4 | 39.5 | 36.9 |  |
| 110                          | 38.6  | 38.7 | 37.8 | 36.5 | 35.0 | 33.0 |  |
| 120                          |       | 33.9 | 33.6 | 32.5 | 31.1 | 29.6 |  |
| 130                          |       |      |      | 29.4 | 27.9 | 26.7 |  |
| 140                          |       |      |      |      |      | 24.3 |  |
| BOOM ANGLE 65°               |       |      |      |      |      |      |  |
| BOOM LENGTH (ft)             |       |      |      |      |      |      |  |
| LOAD RAD (ft)                | 76    | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)               |       |      |      |      |      |      |  |
| 100                          | 42.9  |      |      |      |      |      |  |
| 110                          | 37.9  | 35.8 |      |      |      |      |  |
| 120                          | 33.7  | 32.0 | 30.2 | 28.3 |      |      |  |
| 130                          |       | 28.9 | 27.2 | 25.2 | 23.1 |      |  |
| 140                          |       |      | 24.5 | 22.8 | 21.0 | 18.7 |  |
| 150                          |       |      |      | 21.2 | 18.9 | 16.7 |  |
| 160                          |       |      |      |      | 17.1 | 15.2 |  |

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



(LJ) LUFFING JIB LOAD CHART

| SCC8200<br>100 FT LUFFING JIB |      |                                |      |      |      |      |  |
|-------------------------------|------|--------------------------------|------|------|------|------|--|
| 0908A<br>+<br>2119A           |      | 141,100 lbs<br>+<br>44,100 lbs |      | 360° |      |      |  |
| BOOM ANGLE 85°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 50                            | 95.3 | 98.4                           | 95.8 | 97.5 | 79.0 | 77.2 |  |
| 60                            | 73.6 | 74.8                           | 75.8 | 78.8 | 76.1 | 75.4 |  |
| 70                            | 59.7 | 60.3                           | 60.9 | 62.4 | 62.3 | 64.1 |  |
| 80                            | 48.9 | 49.4                           | 49.7 | 50.7 | 50.8 | 52.6 |  |
| 90                            | 42.6 | 41.8                           | 41.8 | 42.3 | 42.7 | 43.7 |  |
| 100                           | 36.7 | 36.0                           | 37.7 | 35.7 | 36.7 | 36.6 |  |
| 110                           | 31.3 | 31.8                           | 32.6 | 29.2 | 32.4 | 32.2 |  |
| BOOM ANGLE 75°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 80                            | 60.1 | 58.5                           |      |      |      |      |  |
| 90                            | 51.6 | 50.3                           | 49.0 | 47.0 |      |      |  |
| 100                           | 44.0 | 43.8                           | 42.6 | 41.2 | 39.1 | 35.9 |  |
| 110                           | 38.3 | 38.7                           | 37.5 | 36.2 | 34.7 | 32.3 |  |
| 120                           | 33.6 | 34.0                           | 33.5 | 32.2 | 30.9 | 29.3 |  |
| 130                           |      |                                | 30.0 | 29.0 | 27.7 | 26.5 |  |
| 140                           |      |                                |      |      | 25.0 | 24.1 |  |
| BOOM ANGLE 65°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 100                           | 42.8 |                                |      |      |      |      |  |
| 110                           | 37.7 | 35.5                           |      |      |      |      |  |
| 120                           | 33.5 | 31.8                           | 29.9 |      |      |      |  |
| 130                           | 30.1 | 28.7                           | 26.9 | 25.0 |      |      |  |
| 140                           |      | 25.8                           | 24.4 | 2.5  | 20.7 | 18.4 |  |
| 150                           |      |                                | 22.1 | 20.4 | 18.7 | 16.5 |  |
| 160                           |      |                                |      | 18.3 | 16.8 | 14.9 |  |
| 170                           |      |                                |      |      |      | 13.4 |  |

| SCC8200<br>110 FT LUFFING JIB |      |                                |      |      |      |      |  |
|-------------------------------|------|--------------------------------|------|------|------|------|--|
| 0908A<br>+<br>2119A           |      | 141,100 lbs<br>+<br>44,100 lbs |      | 360° |      |      |  |
| BOOM ANGLE 85°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 50                            | 88.2 | 91.2                           | 89.5 | 93.9 |      |      |  |
| 60                            | 72.1 | 72.9                           | 73.8 | 75.7 | 74.2 | 72.0 |  |
| 70                            | 59.0 | 60.0                           | 60.7 | 62.8 | 61.8 | 63.5 |  |
| 80                            | 47.7 | 49.0                           | 47.8 | 51.6 | 49.4 | 53.2 |  |
| 90                            | 41.9 | 41.6                           | 40.3 | 43.1 | 41.7 | 44.4 |  |
| 100                           | 36.1 | 35.7                           | 36.9 | 36.6 | 35.7 | 37.4 |  |
| 110                           | 30.6 | 31.8                           | 32.2 | 30.7 | 32.1 | 32.5 |  |
| 120                           | 25.0 | 27.8                           | 28.1 | 26.9 | 28.2 | 28.8 |  |
| BOOM ANGLE 75°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 80                            | 60.0 |                                |      |      |      |      |  |
| 90                            | 51.6 | 50.3                           | 48.5 | 46.4 |      |      |  |
| 100                           | 44.0 | 43.8                           | 42.5 | 40.6 | 38.1 | 34.8 |  |
| 110                           | 38.5 | 38.7                           | 37.5 | 36.1 | 34.1 | 31.5 |  |
| 120                           | 33.8 | 34.2                           | 33.5 | 32.1 | 30.6 | 28.5 |  |
| 130                           | 29.9 | 30.4                           | 30.0 | 28.9 | 27.6 | 26.0 |  |
| 140                           |      |                                | 27.0 | 26.2 | 25.0 | 23.5 |  |
| 150                           |      |                                |      |      | 22.6 | 21.4 |  |
| BOOM ANGLE 65°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 110                           | 37.5 |                                |      |      |      |      |  |
| 120                           | 33.5 | 31.7                           |      |      |      |      |  |
| 130                           | 30.1 | 28.6                           | 26.8 | 24.7 |      |      |  |
| 140                           | 27.2 | 25.8                           | 24.3 | 22.3 | 20.4 |      |  |
| 150                           |      | 23.5                           | 22.0 | 20.4 | 18.5 | 16.0 |  |
| 160                           |      |                                | 19.9 | 18.5 | 16.7 | 4.6  |  |
| 170                           |      |                                |      | 16.7 | 15.1 | 13.2 |  |
| 180                           |      |                                |      |      |      | 12.0 |  |

| SCC8200<br>120 FT LUFFING JIB |      |                                |      |      |      |      |  |
|-------------------------------|------|--------------------------------|------|------|------|------|--|
| 0908A<br>+<br>2119A           |      | 141,100 lbs<br>+<br>44,100 lbs |      | 360° |      |      |  |
| BOOM ANGLE 85°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 50                            | 78.9 | 79.6                           | 77.2 |      |      |      |  |
| 60                            | 69.9 | 70.3                           | 71.0 | 72.1 | 72.2 | 67.9 |  |
| 70                            | 58.1 | 59.5                           | 60.5 | 63.1 | 61.3 | 62.6 |  |
| 80                            | 45.8 | 48.6                           | 45.2 | 52.5 | 47.8 | 53.7 |  |
| 90                            | 41.1 | 41.2                           | 38.2 | 43.9 | 40.6 | 44.8 |  |
| 100                           | 35.5 | 35.5                           | 35.9 | 37.3 | 34.8 | 37.9 |  |
| 110                           | 31.1 | 31.7                           | 31.7 | 32.0 | 31.7 | 32.6 |  |
| 120                           | 27.4 | 27.3                           | 27.9 | 28.0 | 28.2 | 28.5 |  |
| 130                           | 23.2 | 24.0                           | 42.3 | 23.5 | 24.6 | 25.1 |  |
| BOOM ANGLE 75°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 80                            | 59.3 |                                |      |      |      |      |  |
| 90                            | 51.6 | 50.2                           | 48.0 |      |      |      |  |
| 100                           | 44.0 | 43.8                           | 42.5 | 40.0 | 37.0 |      |  |
| 110                           | 38.7 | 38.6                           | 37.4 | 36.1 | 33.4 | 30.7 |  |
| 120                           | 34.1 | 34.4                           | 33.4 | 32.1 | 30.4 | 27.7 |  |
| 130                           | 30.2 | 30.4                           | 30.0 | 28.9 | 27.5 | 25.3 |  |
| 140                           | 26.3 | 27.2                           | 27.1 | 26.1 | 24.9 | 23.1 |  |
| 150                           |      |                                | 24.4 | 23.7 | 22.6 | 21.2 |  |
| 160                           |      |                                |      |      | 20.4 | 19.5 |  |
| BOOM ANGLE 65°                |      |                                |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |                                |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95                             | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |                                |      |      |      |      |  |
| 110                           | 37.4 |                                |      |      |      |      |  |
| 120                           | 33.4 | 31.5                           |      |      |      |      |  |
| 130                           | 30.0 | 28.5                           | 26.7 |      |      |      |  |
| 140                           | 27.2 | 25.7                           | 24.2 | 22.3 |      |      |  |
| 150                           | 24.7 | 23.4                           | 21.8 | 20.3 | 18.4 | 15.2 |  |
| 160                           |      | 21.3                           | 20.0 | 18.4 | 16.6 | 14.3 |  |
| 170                           |      |                                | 18.4 | 17.0 | 15.0 | 12.9 |  |
| 180                           |      |                                |      | 15.6 | 13.7 | 11.7 |  |
| 190                           |      |                                |      |      |      | 10.5 |  |

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



(LJ) LUFFING JIB LOAD CHART

| SCC8200<br>130 FT LUFFING JIB |      |      |      |      |      |      |  |
|-------------------------------|------|------|------|------|------|------|--|
|                               |      |      |      |      |      |      |  |
| BOOM ANGLE 85°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 50                            | 70.0 |      |      |      |      |      |  |
| 60                            | 62.3 | 66.7 | 63.2 | 63.6 | 64.0 | 60.3 |  |
| 70                            | 53.0 | 53.9 | 54.6 | 56.3 | 55.3 | 56.2 |  |
| 80                            | 43.8 | 45.5 | 43.7 | 48.1 | 45.2 | 48.9 |  |
| 90                            | 39.5 | 39.6 | 37.9 | 41.4 | 39.9 | 42.0 |  |
| 100                           | 34.6 | 34.9 | 35.1 | 36.1 | 34.5 | 36.6 |  |
| 110                           | 30.2 | 31.5 | 31.5 | 31.9 | 31.0 | 32.1 |  |
| 120                           | 26.5 | 27.4 | 27.8 | 28.0 | 27.4 | 28.4 |  |
| 130                           | 22.6 | 24.1 | 24.2 | 24.4 | 23.9 | 25.0 |  |
| 140                           |      | 22.2 | 21.6 | 21.7 | 21.4 | 21.8 |  |
| BOOM ANGLE 75°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 90                            | 48.1 | 47.1 |      |      |      |      |  |
| 100                           | 41.9 | 42.3 | 41.7 | 39.1 |      |      |  |
| 110                           | 37.4 | 37.8 | 37.1 | 35.3 | 32.7 | 30.3 |  |
| 120                           | 33.4 | 33.9 | 33.2 | 31.7 | 29.5 | 27.7 |  |
| 130                           | 29.9 | 30.2 | 29.8 | 28.5 | 26.8 | 25.2 |  |
| 140                           | 26.5 | 26.9 | 26.9 | 25.7 | 24.3 | 23.0 |  |
| 150                           | 23.1 | 24.3 | 24.2 | 23.3 | 22.2 | 21.1 |  |
| 160                           |      |      | 22.7 | 21.4 | 20.1 | 19.1 |  |
| 170                           |      |      |      |      | 18.3 | 17.6 |  |
| BOOM ANGLE 65°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 120                           | 32.9 |      |      |      |      |      |  |
| 130                           | 29.9 | 28.2 |      |      |      |      |  |
| 140                           | 27.0 | 25.5 | 23.9 | 22.0 |      |      |  |
| 150                           | 24.5 | 23.1 | 21.6 | 19.9 | 18.0 |      |  |
| 160                           | 22.2 | 21.1 | 19.7 | 18.0 | 16.2 | 13.9 |  |
| 170                           |      | 19.2 | 18.0 | 16.5 | 14.7 | 12.5 |  |
| 180                           |      |      | 16.4 | 15.2 | 13.3 | 11.3 |  |
| 190                           |      |      |      |      | 12.1 | 10.0 |  |
| 200                           |      |      |      |      |      | 9.1  |  |

| SCC8200<br>138 FT LUFFING JIB |      |      |      |      |      |      |  |
|-------------------------------|------|------|------|------|------|------|--|
|                               |      |      |      |      |      |      |  |
| BOOM ANGLE 85°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 60                            | 54.8 | 55.0 | 55.5 | 55.9 | 56.2 | 56.0 |  |
| 70                            | 47.9 | 48.4 | 48.8 | 49.5 | 49.3 | 49.9 |  |
| 80                            | 41.9 | 42.5 | 42.2 | 43.6 | 43.0 | 44.1 |  |
| 90                            | 37.9 | 38.1 | 37.7 | 38.7 | 38.3 | 39.2 |  |
| 100                           | 33.7 | 34.3 | 34.4 | 34.8 | 34.3 | 35.1 |  |
| 110                           | 29.1 | 31.3 | 31.4 | 31.6 | 30.3 | 31.7 |  |
| 120                           | 25.5 | 27.5 | 27.6 | 27.9 | 26.9 | 28.3 |  |
| 130                           | 21.9 | 24.2 | 24.1 | 24.2 | 23.3 | 24.8 |  |
| 140                           | 18.0 | 21.2 | 21.1 | 21.5 | 20.7 | 21.6 |  |
| 150                           |      |      | 17.7 | 17.8 | 18.5 | 18.7 |  |
| BOOM ANGLE 75°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 90                            | 44.5 |      |      |      |      |      |  |
| 100                           | 39.8 | 40.8 | 40.9 |      |      |      |  |
| 110                           | 36.1 | 37.0 | 36.8 | 34.5 | 31.8 |      |  |
| 120                           | 32.8 | 33.4 | 33.0 | 31.1 | 28.7 | 27.7 |  |
| 130                           | 29.6 | 30.0 | 29.5 | 28.1 | 26.1 | 25.2 |  |
| 140                           | 26.6 | 26.8 | 26.7 | 25.4 | 23.7 | 23.1 |  |
| 150                           | 22.9 | 23.9 | 23.9 | 23.0 | 21.7 | 21.1 |  |
| 160                           | 19.1 | 21.0 | 22.5 | 20.9 | 19.7 | 19.1 |  |
| 170                           |      |      | 21.7 | 19.2 | 18.1 | 17.4 |  |
| 180                           |      |      |      |      | 16.4 | 16.1 |  |
| BOOM ANGLE 65°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 130                           | 29.7 | 27.8 |      |      |      |      |  |
| 140                           | 26.8 | 25.2 | 23.6 |      |      |      |  |
| 150                           | 24.3 | 22.8 | 21.4 | 19.5 |      |      |  |
| 160                           | 22.1 | 20.8 | 19.4 | 17.6 | 15.7 |      |  |
| 170                           | 19.8 | 19.0 | 17.7 | 16.0 | 14.3 | 12.2 |  |
| 180                           |      | 17.9 | 16.3 | 14.6 | 12.9 | 11.0 |  |
| 190                           |      |      | 14.9 | 13.6 | 11.7 | 9.8  |  |
| 200                           |      |      |      |      | 10.8 | 8.9  |  |
| 210                           |      |      |      |      |      | 8.1  |  |

| SCC8200<br>147 FT LUFFING JIB |      |      |      |      |      |      |  |
|-------------------------------|------|------|------|------|------|------|--|
|                               |      |      |      |      |      |      |  |
| BOOM ANGLE 85°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 60                            | 47.0 | 47.5 | 48.3 | 48.9 |      |      |  |
| 70                            | 42.1 | 42.3 | 42.6 | 43.0 | 43.1 | 43.2 |  |
| 80                            | 37.6 | 37.8 | 38.1 | 38.3 | 38.4 | 38.6 |  |
| 90                            | 34.1 | 34.1 | 34.3 | 34.4 | 34.6 | 34.8 |  |
| 100                           | 30.6 | 31.1 | 31.1 | 31.3 | 31.3 | 31.5 |  |
| 110                           | 26.4 | 28.5 | 28.5 | 28.7 | 27.5 | 28.7 |  |
| 120                           | 23.4 | 25.1 | 25.2 | 25.4 | 24.4 | 25.7 |  |
| 130                           | 20.5 | 22.2 | 22.1 | 22.3 | 21.3 | 22.7 |  |
| 140                           | 16.6 | 19.4 | 19.5 | 19.8 | 19.0 | 19.9 |  |
| 150                           | 12.9 | 15.9 | 16.6 | 16.8 | 17.2 | 17.4 |  |
| 160                           |      |      | 13.8 | 13.6 | 14.6 | 14.8 |  |
| BOOM ANGLE 75°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 100                           | 35.4 | 37.0 |      |      |      |      |  |
| 110                           | 32.5 | 33.6 | 33.8 | 32.4 |      |      |  |
| 120                           | 29.7 | 30.4 | 30.4 | 29.1 | 27.3 | 26.7 |  |
| 130                           | 27.0 | 27.5 | 27.3 | 26.3 | 24.9 | 24.4 |  |
| 140                           | 24.3 | 24.5 | 24.7 | 23.8 | 22.6 | 22.2 |  |
| 150                           | 21.5 | 22.0 | 22.1 | 21.5 | 20.8 | 20.3 |  |
| 160                           | 19.2 | 19.9 | 20.6 | 19.6 | 18.8 | 18.4 |  |
| 170                           | 17.0 | 18.3 | 19.9 | 17.9 | 17.1 | 16.8 |  |
| 180                           |      |      | 19.3 | 16.5 | 15.7 | 15.4 |  |
| 190                           |      |      |      |      | 14.7 | 14.4 |  |
| BOOM ANGLE 65°                |      |      |      |      |      |      |  |
| BOOM LENGTH (ft)              |      |      |      |      |      |      |  |
| LOAD RAD (ft)                 | 76   | 95   | 115  | 133  | 153  | 171  |  |
| CAPACITY (Kib)                |      |      |      |      |      |      |  |
| 130                           | 27.6 |      |      |      |      |      |  |
| 140                           | 24.8 | 24.1 |      |      |      |      |  |
| 150                           | 22.5 | 21.6 | 20.8 | 19.1 |      |      |  |
| 160                           | 20.6 | 19.7 | 18.8 | 17.2 | 15.2 |      |  |
| 170                           | 19.0 | 18.1 | 17.2 | 15.7 | 13.9 | 12.1 |  |
| 180                           | 16.0 | 16.7 | 15.8 | 14.3 | 12.6 | 10.7 |  |
| 190                           |      | 14.3 | 14.6 | 13.3 | 11.4 | 9.5  |  |
| 200                           |      |      |      | 11.9 | 10.5 | 8.6  |  |
| 210                           |      |      |      |      | 9.4  | 7.7  |  |
| 220                           |      |      |      |      |      | 6.9  |  |

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



## (LJ) LUFFING JIB LOAD CHART

### SCC8200 157 FT LUFFING JIB

0908A + 2119A 141,100 lbs + 44,100 lbs 360°

| BOOM ANGLE 85°   |                |      |      |      |      |      |
|------------------|----------------|------|------|------|------|------|
| BOOM LENGTH (ft) |                |      |      |      |      |      |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171  |
|                  | CAPACITY (Klb) |      |      |      |      |      |
| 60               | 40.6           | 41.0 | 41.1 |      |      |      |
| 70               | 36.3           | 36.5 | 36.7 | 37.3 | 37.2 | 37.4 |
| 80               | 32.4           | 32.5 | 32.7 | 32.9 | 33.0 | 33.2 |
| 90               | 29.2           | 29.3 | 29.4 | 29.5 | 29.7 | 29.8 |
| 100              | 26.2           | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 |
| 110              | 23.0           | 24.2 | 24.2 | 24.4 | 23.7 | 24.5 |
| 120              | 20.6           | 21.5 | 21.6 | 21.8 | 21.2 | 22.0 |
| 130              | 18.3           | 19.3 | 19.2 | 19.3 | 18.7 | 19.6 |
| 140              | 15.4           | 17.1 | 17.2 | 17.3 | 16.9 | 17.4 |
| 150              | 12.5           | 14.6 | 15.0 | 15.1 | 15.3 | 15.5 |
| 160              | 9.5            | 12.4 | 13.0 | 14.0 | 13.5 | 13.5 |
| 170              |                |      | 10.9 | 13.1 | 12.7 | 11.5 |

| BOOM ANGLE 75°   |                |      |      |      |      |      |
|------------------|----------------|------|------|------|------|------|
| BOOM LENGTH (ft) |                |      |      |      |      |      |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171  |
|                  | CAPACITY (Klb) |      |      |      |      |      |
| 100              | 30.5           | 32.1 |      |      |      |      |
| 110              | 27.9           | 29.0 | 29.6 | 29.8 |      |      |
| 120              | 25.4           | 26.2 | 26.6 | 26.4 | 25.7 | 25.1 |
| 130              | 23.1           | 23.7 | 23.9 | 23.8 | 23.4 | 23.0 |
| 140              | 20.8           | 21.3 | 21.7 | 21.5 | 21.3 | 21.0 |
| 150              | 18.7           | 19.2 | 19.6 | 19.5 | 19.5 | 19.1 |
| 160              | 16.8           | 17.4 | 18.1 | 17.8 | 17.6 | 17.4 |
| 170              | 15.0           | 16.0 | 17.2 | 16.3 | 16.1 | 15.9 |
| 180              |                | 14.6 | 16.2 | 14.9 | 14.8 | 14.6 |
| 190              |                |      | 15.3 | 13.8 | 13.6 | 13.6 |
| 200              |                |      |      |      |      | 12.2 |

| BOOM ANGLE 65°   |                |      |      |      |      |      |
|------------------|----------------|------|------|------|------|------|
| BOOM LENGTH (ft) |                |      |      |      |      |      |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171  |
|                  | CAPACITY (Klb) |      |      |      |      |      |
| 140              | 22.0           | 21.9 |      |      |      |      |
| 150              | 20.0           | 20.0 | 20.2 |      |      |      |
| 160              | 18.3           | 18.3 | 18.2 | 17.0 |      |      |
| 170              | 16.9           | 16.7 | 16.7 | 15.6 | 13.7 |      |
| 180              | 13.8           | 15.5 | 15.3 | 14.2 | 12.5 | 10.5 |
| 190              | 10.8           | 13.2 | 14.0 | 13.1 | 11.2 | 9.2  |
| 200              |                | 10.5 | 12.7 | 11.8 | 10.2 | 8.3  |
| 210              |                |      |      | 10.9 | 9.2  | 7.4  |
| 220              |                |      |      |      | 8.3  |      |
| 220              |                |      |      |      |      | 6.9  |

### SCC8200 167 FT LUFFING JIB

0908A + 2119A 141,100 lbs + 44,100 lbs 360°

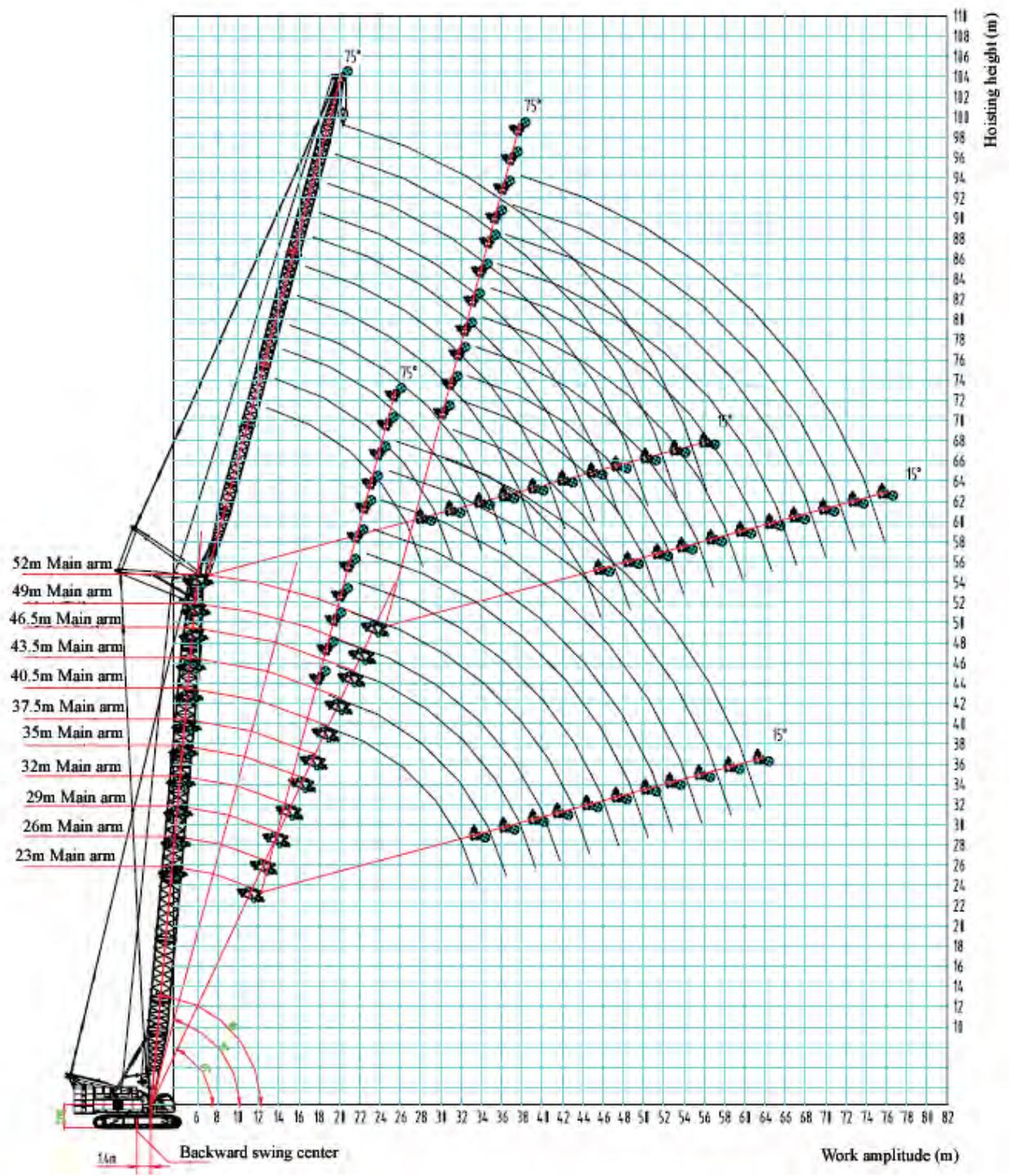
| BOOM ANGLE 85°   |                |      |      |      |      |      |
|------------------|----------------|------|------|------|------|------|
| BOOM LENGTH (ft) |                |      |      |      |      |      |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171  |
|                  | CAPACITY (Klb) |      |      |      |      |      |
| 60               | 34.1           |      |      |      |      |      |
| 70               | 30.5           | 30.7 | 30.9 | 31.0 | 31.4 | 31.5 |
| 80               | 27.2           | 27.2 | 27.4 | 27.6 | 27.6 | 27.8 |
| 90               | 24.4           | 24.4 | 24.6 | 24.6 | 24.8 | 24.8 |
| 100              | 21.9           | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 |
| 110              | 19.6           | 19.9 | 19.9 | 20.1 | 19.9 | 20.1 |
| 120              | 17.7           | 18.0 | 18.0 | 18.1 | 18.0 | 18.3 |
| 130              | 16.0           | 16.3 | 16.3 | 16.3 | 16.1 | 16.5 |
| 140              | 14.2           | 14.8 | 14.8 | 14.9 | 14.8 | 14.9 |
| 150              | 12.4           | 13.3 | 13.4 | 13.4 | 13.5 | 13.5 |
| 160              | 10.5           | 12.1 | 12.2 | 12.4 | 12.2 | 12.2 |
| 170              | 8.6            | 11.1 | 11.1 | 11.6 | 11.4 | 11.1 |
| 180              |                |      |      | 10.6 | 10.4 | 10.2 |

| BOOM ANGLE 75°   |                |      |      |      |      |      |
|------------------|----------------|------|------|------|------|------|
| BOOM LENGTH (ft) |                |      |      |      |      |      |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171  |
|                  | CAPACITY (Klb) |      |      |      |      |      |
| 110              | 23.3           | 24.3 | 25.4 |      |      |      |
| 120              | 21.1           | 22.0 | 22.8 | 23.6 | 24.1 |      |
| 130              | 19.1           | 19.9 | 20.6 | 21.3 | 21.9 | 21.8 |
| 140              | 17.4           | 18.1 | 18.7 | 19.3 | 19.9 | 19.8 |
| 150              | 15.8           | 16.4 | 17.0 | 17.5 | 18.3 | 17.9 |
| 160              | 14.5           | 15.0 | 15.6 | 15.9 | 16.4 | 16.3 |
| 170              | 13.1           | 13.7 | 14.4 | 14.6 | 15.0 | 15.0 |
| 180              | 11.8           | 12.5 | 13.2 | 13.4 | 13.8 | 13.8 |
| 190              |                | 11.2 | 11.9 | 12.2 | 12.7 | 12.9 |
| 200              |                |      |      | 11.6 | 11.7 | 11.7 |
| 210              |                |      |      |      |      | 11.4 |

| BOOM ANGLE 65°   |                |      |      |      |      |     |
|------------------|----------------|------|------|------|------|-----|
| BOOM LENGTH (ft) |                |      |      |      |      |     |
| LOAD RAD (ft)    | 76             | 95   | 115  | 133  | 153  | 171 |
|                  | CAPACITY (Klb) |      |      |      |      |     |
| 140              | 19.1           |      |      |      |      |     |
| 150              | 17.5           | 18.3 |      |      |      |     |
| 160              | 16.0           | 16.8 | 17.6 |      |      |     |
| 170              | 14.7           | 15.4 | 16.2 | 15.5 | 13.4 |     |
| 180              | 13.6           | 14.2 | 14.8 | 14.1 | 12.3 | 9.8 |
| 190              | 12.5           | 12.7 | 13.5 | 12.9 | 11.0 | 8.9 |
| 200              | 11.5           | 11.7 | 12.1 | 11.7 | 9.9  | 8.0 |
| 210              |                | 10.8 | 11.4 | 10.6 | 8.9  | 7.0 |
| 220              |                |      |      | 9.7  | 8.0  |     |
| 230              |                |      |      |      | 7.4  |     |

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

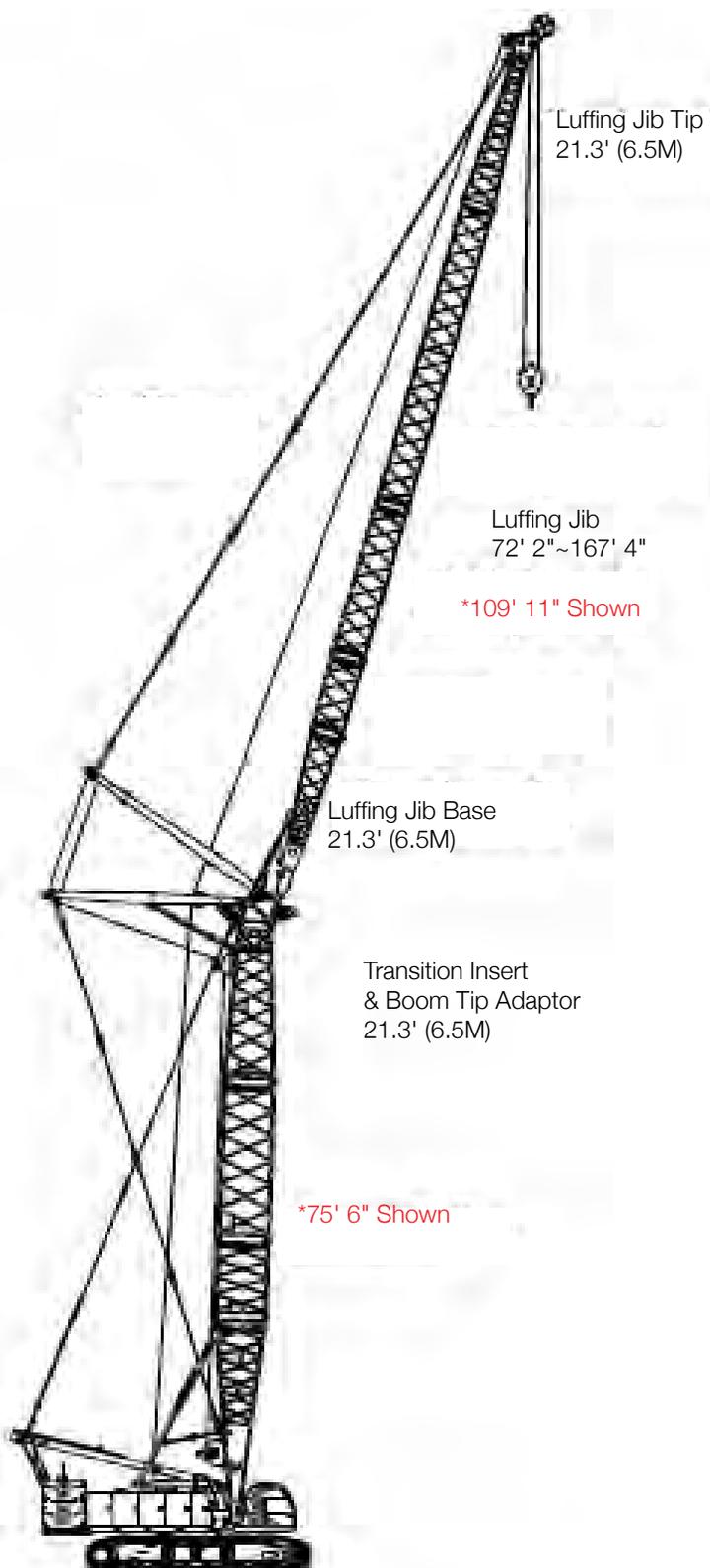
# LUFFING JIB ATTACHMENT ON (HH) WORKING RANGE DIAGRAM



**(LJ) LUFFING JIB OPERATING CONDITIONS**

| 2119A Boom - LJ Configuration |        |       |       |
|-------------------------------|--------|-------|-------|
| Luffing Jib Length (ft)       | Insert |       |       |
|                               | 9'10"  | 19'8" | 37'9" |
| 75'6"                         | 1      | 1     | -     |
| 85'4"                         | -      | 2     | -     |
| 95'1"                         | 1      | 2     | -     |
| 105'                          | -      | 3     | -     |
| 114'10"                       | 1      | 3     | -     |
| 123'                          | -      | 2     | 1     |
| 132'11"                       | 1      | 2     | 1     |
| 142'8"                        | -      | 3     | 1     |
| 152'7"                        | 1      | 3     | 1     |
| 160'10"                       | -      | 2     | 2     |
| 170'7"                        | 1      | 2     | 2     |

| 1412A Luffing Jib - LJ Configuration |        |       |       |
|--------------------------------------|--------|-------|-------|
| Luffing Jib Length (ft)              | Insert |       |       |
|                                      | 9'10"  | 19'8" | 37'9" |
| 72'2"                                | 1      | 1     | -     |
| 82'                                  | -      | 2     | -     |
| 91'10"                               | 1      | 2     | -     |
| 101'1"                               | -      | 1     | 1     |
| 109'11"                              | 1      | 1     | 1     |
| 119'10"                              | -      | 2     | 1     |
| 129'7"                               | 1      | 2     | 1     |
| 137'10"                              | -      | 1     | 2     |
| 147'7"                               | 1      | 1     | 2     |
| 158'6"                               | -      | 2     | 2     |
| 167'4"                               | 1      | 2     | 2     |







**SANY**  
**AMERICA INC.**

318 Cooper Circle  
Peachtree City, GA 30269  
Tel: 678-251-2810  
Fax: 770-632-7820

© SANY America, Inc. All Rights Reserved. SANY America reserves the right to change equipment designs and specifications at any time.

[www.sanyamerica.com](http://www.sanyamerica.com)