



SPECIFICATIONS

Maximum Capacity @ Radius
110 US T @ 12 ft 6 in.

Main Boom
3,6 & 9 Meter Sections
42 ft 8 in. - 219 ft 10 in.

Max Tip Height (H Main Boom)
223 ft

Fixed Jib Length
29 ft 6 in. - 59 ft 1 in.

Main Winch - Rated Line Pull
20,944 lbs

Wire Rope Diameter
24 mm

Weight
Basic Machine
(With Track Frames & Boom Butt)
99,206 lbs
Total Counterweight
82,450 lbs

Length
Basic Machine - Transport
(With Track Frames & Boom Butt)
43 ft 4 in.

Height
Basic Machine - Transport
(With Track Frames & Boom Butt)
11 ft 5 in.

Width
Basic Machine - Transport
(With Track Frames & Boom Butt)
11 ft 4 in.

Tail Swing
16 ft 5 in



SCC8100



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*We are constantly improving our products and therefore reserve the right to change designs and specifications.



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SCC8100-022812



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SCC8100 Quick Reference Guide

- Engine: Cummins QSC8.3, 245 hp @ 2000 rpm
- Hydraulic system: Rexroth pumps and drive motors
- SANY-designed LMI with large display screen
- Extendable tracks
- Two configurations available: Main Boom and Fixed Jib
- Main boom available in Tubular and Angle construction
- Key standard features
 - Main drum bail limits
 - Main drum and rear counterweight camera system
 - Basic machine lighting package
 - Aircraft warning light



SPECIFICATIONS

UPPERWORKS



ENGINE

Cummins Model QSC, 8.3, Tier 3
Power..... 245.5 hp (183.1kW)
Fuel Tank 105.7 gal (400L)



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

Combination of instrument, engine torque limiter, and remote control terminal apply can bus technology for data communication. Combined instrument can display parameters such as engine rotating speed, fuel quantity, machine oil pressure, servo pressure, wind speed, the engine operating working hours, drum lock, swing lock, and other working conditions.



SWING SYSTEM

Rotary motor driven and hydraulic buffer can provide 360° rotation. Revolution lock, Free wheels pin, and Revolution support.
Tail Swing..... 16 ft. 7 in.



DRUMS

The main and auxiliary drums are independently driven. Drum rotation is controlled by control handles in operators cab for full power in both directions.
Rope Diameter 15/16 inch (24mm)
Max Line Speed 355.5 ft/min
Single Line Rated Line Pull..... 20,944 lbs
Max Spooling Main 721.9 ft
Whip 524.11 ft



COUNTERWEIGHT

SERIES 1
1 – Upperworks Tray..... 22,046 lbs
4 – Upper Side Block 25,572 lbs
(6,393 lbs each)
Total 47,618 lbs

SERIES 2
1 – Upperworks Tray..... 22,046 lbs
6 – Upper Side Block 38,358 lbs
(6,393 lbs each)
2 – Crawler Side Block 22,046 lbs
(11,023 lbs each)
Total 82,450 lbs



OPERATORS CAB

Newly designed sliding-door cab, large area windows; with near and far beam head lamps, rear-view mirrors and more open vision. Installed with heating and air conditioning, MP3 player, seat, control handles, and ergonomic designed layout to ensure operator comfort.

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. Including extend and retract feature.



CRAWLERS

Track Tension: Use the hydraulic tensioning jacks to adjust the tension of the track and add adjusting shims to hold adjustment. Track frames can be retracted for transportation so that the overall transport width of the machine is within legal limits, reducing assembly and disassembly time.

ATTACHMENTS



MAIN BOOM (H)

Max boom length..... 219'10" (66.8 m)
Max boom Combination 1 – 9'10" (3m) insert
1 – 19'8" (6m) insert
5 – 29'6" (9m) insert



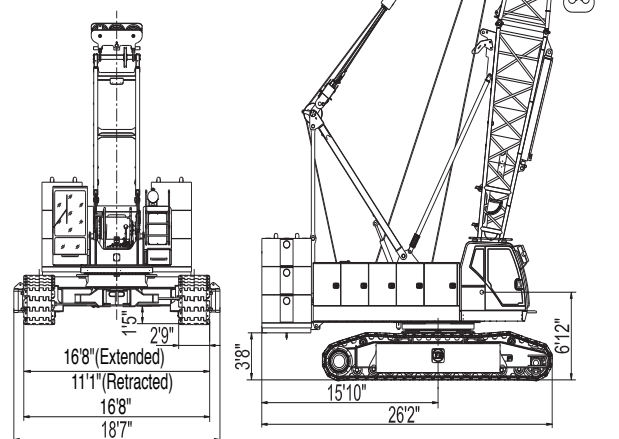
MAIN BOOM (HA)

Max boom length..... 131'2" (40 m)
Max boom Combination 2 – 9'10" (3m) insert
2 – 19'8" (6m) insert
1 – 29'6" (9m) insert



FIXED JIB (FJ)

Max Jib Length..... 59'1" (18m)
Max Jib Combination..... 2 – 14'9" (4.5m) insert



SCC8100 MAIN BOOM (H) LOAD CHART



1513A



60,400 lbs
22,000 lbs



360°

| LOAD RAD (ft) | BOOM LENGTH (ft) | | | | | | | |
|---------------------|------------------|-------|-------|------|------|------|------|------|
| | 43 | 62 | 82 | 102 | 121 | 141 | 161 | 180 |
| | CAPACITY (Kib) | | | | | | | |
| 12.5 | 220.5 | | | | | | | |
| 13 | 202.1 | | | | | | | |
| 14 | 186.8 | | | | | | | |
| 15 | 175.0 | | | | | | | |
| 16 | 168.1 | 168.1 | | | | | | |
| 17 | 160.3 | 158.8 | | | | | | |
| 18 | 151.9 | 147.9 | | | | | | |
| 19 | 143.6 | 139.0 | | | | | | |
| 20 | 135.1 | 130.4 | 129.6 | | | | | |
| 25 | 97.5 | 96.2 | 93.4 | 90.0 | | | | |
| 30 | 75.7 | 74.8 | 73.0 | 71.8 | 69.6 | 67.6 | | |
| 35 | 61.7 | 60.8 | 59.9 | 59.0 | 57.9 | 57.2 | 56.3 | |
| 40 | 51.7 | 50.9 | 50.2 | 49.4 | 48.5 | 47.3 | 46.4 | 45.6 |
| 45 | | 43.7 | 42.9 | 42.2 | 41.5 | 40.7 | 40.1 | 39.3 |
| 50 | | 38.0 | 37.4 | 36.7 | 35.9 | 35.1 | 34.7 | 33.9 |
| 55 | | 33.8 | 32.8 | 32.5 | 31.8 | 31.0 | 30.3 | 29.8 |
| 60 | | | 30.1 | 29.2 | 28.8 | 28.2 | 27.4 | 26.8 |
| 65 | | | | 26.2 | 26.1 | 25.3 | 24.4 | 23.8 |
| 70 | | | | 23.7 | 23.6 | 22.8 | 22.1 | 21.5 |
| 75 | | | | 21.6 | 21.5 | 20.8 | 20.0 | 19.5 |
| 80 | | | | 19.7 | 19.7 | 19.0 | 18.1 | 17.7 |
| 85 | | | | 18.0 | 18.0 | 17.3 | 16.6 | 16.0 |
| 90 | | | | 16.6 | 16.6 | 15.8 | 15.1 | 14.6 |
| 95 | | | | | 15.2 | 14.5 | 13.8 | 13.4 |
| 100 | | | | | | 13.4 | 12.7 | 12.2 |
| 110 | | | | | | 11.5 | 10.9 | 10.2 |
| 120 | | | | | | | 9.2 | 8.5 |
| 130 | | | | | | | 7.9 | 7.2 |
| 140 | | | | | | | | 6.2 |
| 150 | | | | | | | | 5.2 |
| 160 | | | | | | | | 3.5 |
| 170 | | | | | | | | 2.7 |

Main Boom (H) Working Range Diagram

