Features

● Application of the world’ s first variable mid-point suspension cable substantially improves the boom stability and safety under operation with long boom;
● Foldable boom design lowers the center of gravity of the machine with long boom when traveling and thus improves safety and reduces transport cost;
● Transport width of 3m enables various road transportations and may reduce transport cost;
● Application of electric control system of the machine provides precise and efficient control.

Specifications

Performance	Unit	Data
Max. rated lifting capacity	t	300
Max. rated lifting moment	t•m	1497.3
Base boom length	m	20
Max. boom length under short jib operating condition	m	86+7 (hook center 91m)
Luffing angle of boom	°	30 ~ 88
Offset angle of fixed jib	°	30
Rope speed (lifting/descending) of main/auxiliary winch	m/min	0 ~ 128
Slewing speed (with 20m boom)	rpm	0 ~ 1.19
Traveling speed	km/h	0 ~ 1.02
Max. gradeability	%	30
Engine output power/rated rotation speed	kW/rpm	298/2100
Overall weight	t	273 (full main boom, 80t hook)
Counterweight	t	80+24
Average ground bearing pressure	MPa	0.12 (base boom, non-load)

SANY

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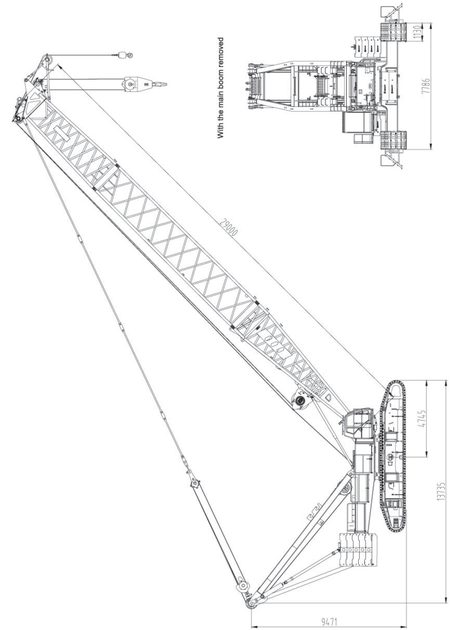
Printed in China

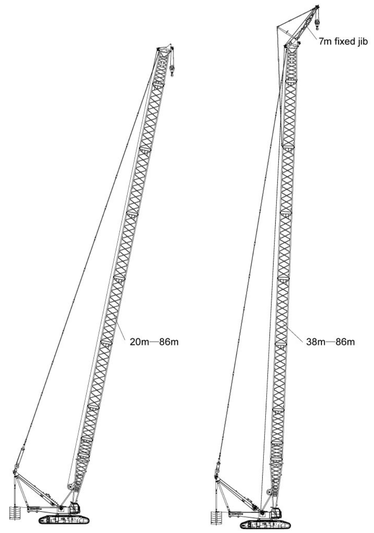
SCC3000WE Crawler Crane

SANY

Dimension



Operating Condition Combinations of SCC3000WE

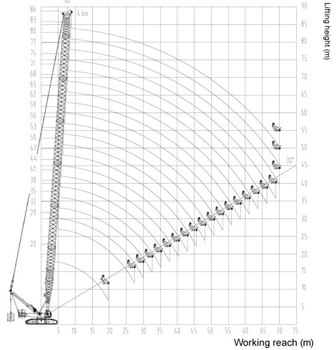


H operating condition
Main boom: 20m ~ 86m

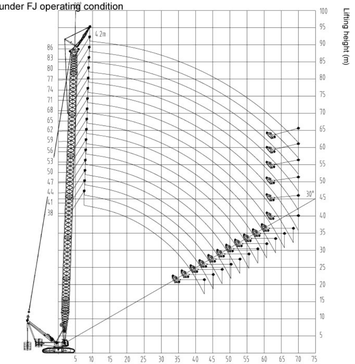
FJ operating condition
Main boom: 38m ~ 86m
Fixed jib: 7m

Operating Range of SCC3000WE

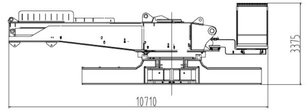
1) Operating range under H operating condition



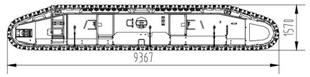
2) Operating range under FJ operating condition



Partial Transport Dimensions of SCC3000WE

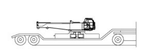


Body	×1
Length	10.7m
Width	3.00m
Height	3.375m
Weight	53t
Weight (with the winch removed)	48t

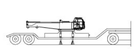


Crawler assembly	×2
Length	9.37m
Width	1.35m
Height	1.57m
Weight	26.3t

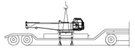
Schematic Diagram for boom sections assembly of SCC3000WE



1. Transport the crawler crane to the worksite by a trailer.



2. Unfold the outriggers and extend the oil cylinder to the ground.



3. Install the undercarriage counterweights on both sides.

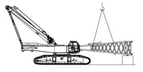
4. Slew the superstructure by 90° to make the outrigger cylinder jack the basic machine, and then remove the trailer.

5. Retract the oil cylinder partially and install the left and right crawlers.

6. Retract the oil cylinder fully and lower the crawlers.

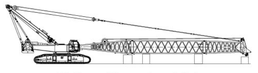
7. Use an auxiliary crane to lift the A-frame and install the connecting pin of front brace.

8. Use the auxiliary crane to lift the A-frame to the working position and install the rear connecting pin.

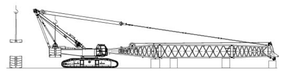


9. Use the auxiliary crane to install the lower section of the boom and other sections.

10. Use an auxiliary hook to connect the pulley block and the drawplate.

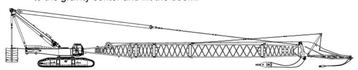


11. Connect the counterweight tray.



12. Install the counterweight.

13. Relocate the counterweight according to the gravity center and lift the boom.



14. Relocate the counterweight according to the gravity center and lift the boom with fixed jib.