



SANY SCC600E (60 TON)



FEATURES

- Max. Lifting Capacity: 60t x 3.7m
- Max. Crane Boom Length: 52m
- Max. Fixed Jib Combination: 43m + 15.25m
- Max. Luffing Jib Combination: 40.3m + 28m

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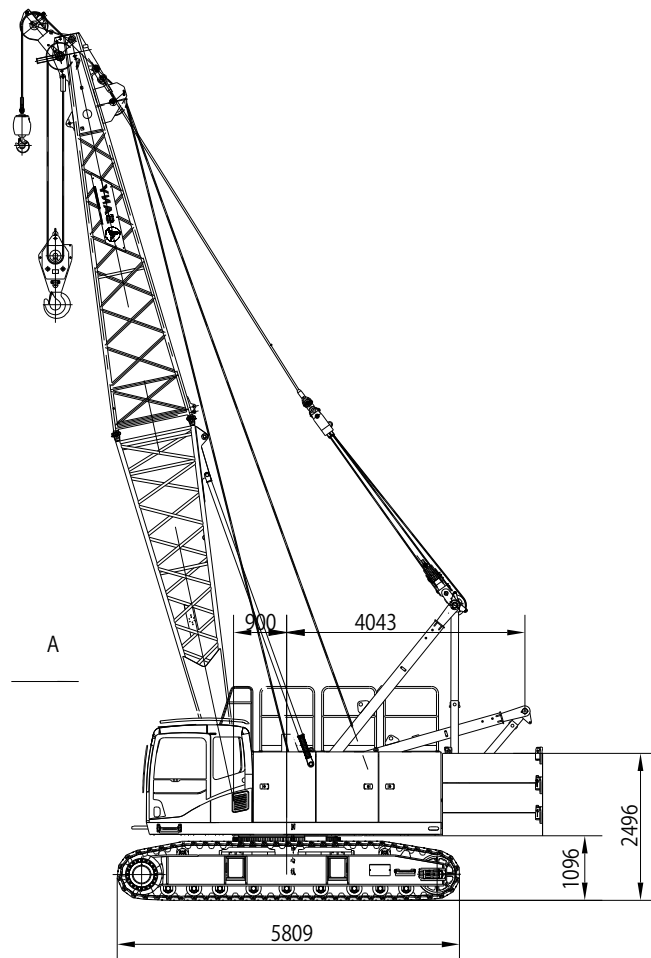
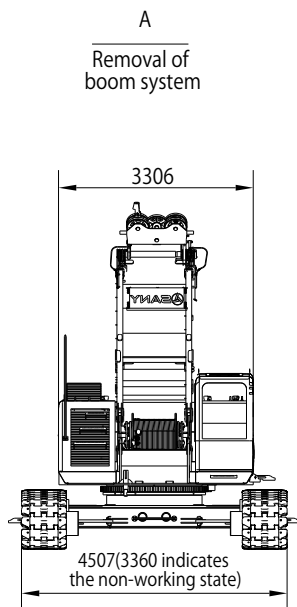
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HYDRAULIC CRAWLER CRANE SCC600E

General Dimensions



HYDRAULIC CRAWLER CRANE **SCC600E**

Performance Parameters

Performance Parameters of SCC600E Crawler Crane			
Performance Index		Unit	Parameter
Boom Operating Condition	Max. Rated Lifting Capacity	t	60
	Boom Length	m	13~52
	Boom Luffing Angle	°	30° ~80°
	Max. Rated Lifting Torque	t•m	222
Fixed Jib Operating Condition	Max. Length Boom + Max. Length Jib	m	43+15.25
	Jib offset Angle	°	10° 、 30°
Luffing Jib Operating Condition	Max. lifting Capacity	t	12.5
	Max. lifting moment	t•m	10.1t×14m
	Max. Length Boom + Max. Length luffing jib	m	40.3+28
	Boom luffing angle	°	60° ~90°
	Jib luffing angle	°	15° ~75°
Operating Speed	Rope Speed of Main and Auxiliary Winches*	m/min	0~120 (third layer)
	Rope Speed of Luffing Winches*	m/min	0~72 (forth layer)
	Slewing Speed*	rpm	0~2
	Traveling Speed*	km/h	0~1.2
Engine	Output Power/Rated Speed	kW/ rpm	127/2000
Transportation Parameter	Max. Transportation Weight of Single Piece	t	28.5 (including boom base, and undercarriage, but not including counterweight)
	Transportation Dimension(Length×Width×Height)	mm	7030×3360×3304
Other Parameter	Average Ground Pressure	MPa	0.061

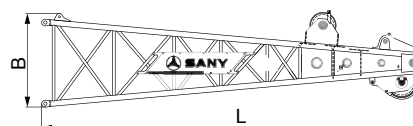
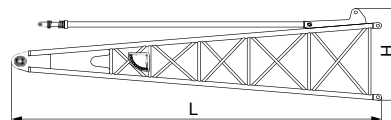
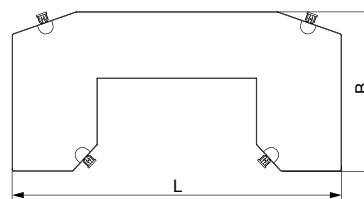
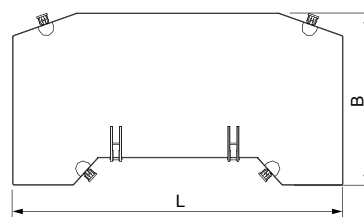
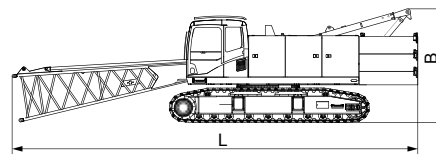
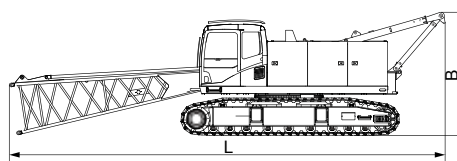
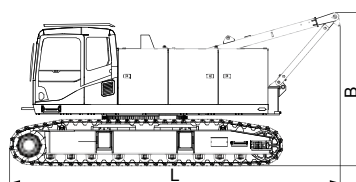
Note:

1. The speed of items with “*” would change with the load.

HYDRAULIC CRAWLER CRANE SCC600E

Transportation Dimension

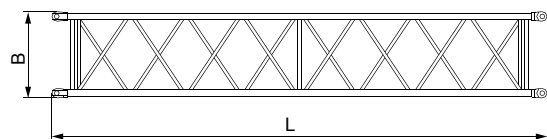
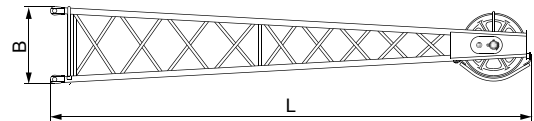
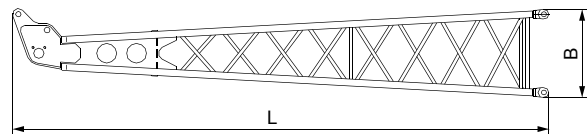
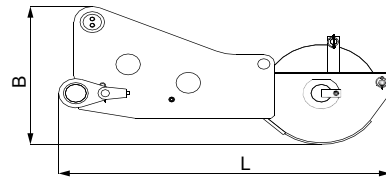
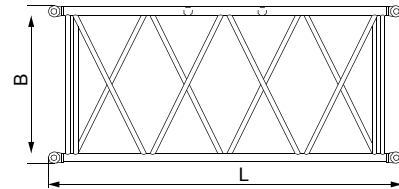
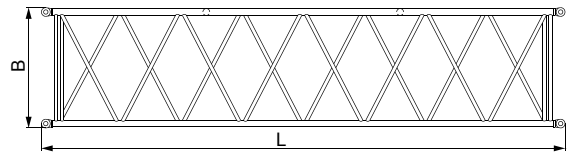
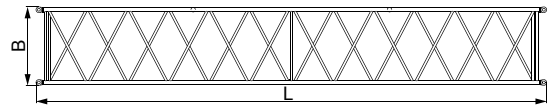
Basic Machine (without track frame)	×1
Length	7.03m
Width	3.36m
Height	3.3m
Weight	27.5t
Basic Machine (with track frame)	×1
Length	11.6m
Width	3.36m
Height	3.3m
Weight	28.5t
Body (including boom base and main machine counterweight)	×1
Length	11.8m
Width	3.36m
Height	3.3m
Weight	46.5t
Counterweight Tray	×1
Length	3.324m
Width	1.67m
Height	0.66m
Weight	6t
Counterweight Blocks	×2
Length	3.324m
Width	1.67m
Height	0.62m
Weight	6t
Boom Base	×1
Length	6.65m
Width (B)	1.66m
Height (H)	1.40m
Weight	1.2t
Boom Tip	×1
Length (L)	6.88m
Width (B)	1.48m
Height (H)	1.40m
Weight	1.1t



HYDRAULIC CRAWLER CRANE SCC600E

Transportation Dimensions

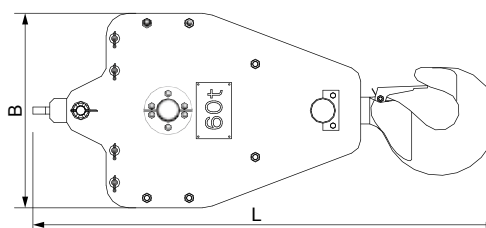
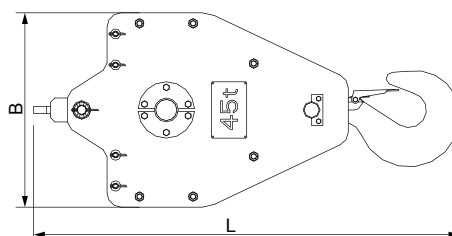
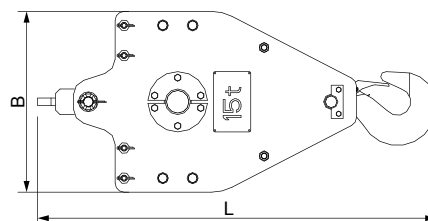
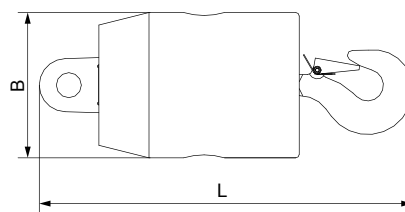
9m Boom Inserts	×2
Length (L)	9.1m
Width (B)	1.46m
Height (H)	1.58m
Weight	0.7t
6m Boom Insert	×3
Length (L)	6.1m
Width (B)	1.46m
Height (H)	1.58m
Weight	0.5t
3m Boom Insert	×1
Length (L)	3.1m
Width (B)	1.46m
Height (H)	1.58m
Weight	0.3t
Boom Extension	×1
Length (L)	1.35m
Width (B)	0.7m
Height (H)	0.66m
Weight	0.2t
Jib Base	×1
Length (L)	3.24m
Width (B)	0.6m
Height (H)	0.55m
Weight	0.2t
Jib Tip	×1
Length (L)	3.35m
Width (B)	0.6m
Height (H)	0.55m
Weight	0.2t
Jib Insert	×3
Length (L)	3.11m
Width (B)	0.62m
Height (H)	0.7m
Weight	0.1t



HYDRAULIC CRAWLER CRANE SCC600E

Transportation Dimensions

6t hook	×1
Length(L)	0.75m
Width(B)	0.3m
Height(H)	0.3m
Weight	0.16t
15t hook	×1
Length(L)	1.34m
Width(B)	0.6m
Height(H)	0.34m
Weight	0.29t
45 t hook	×1
Length(L)	1.52m
Width(B)	0.69m
Height(H)	0.37m
Weight	0.49t
60 t hook	×1
Length(L)	1.65m
Width(B)	0.69m
Height(H)	0.39m
Weight	0.66t



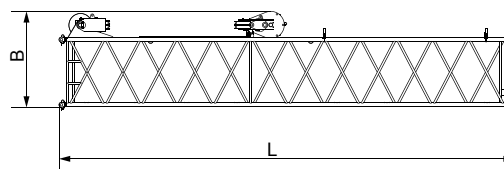
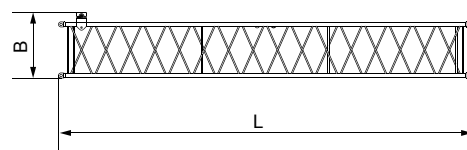
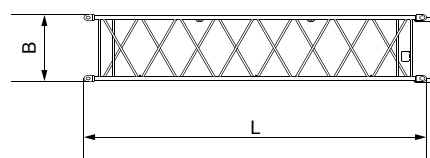
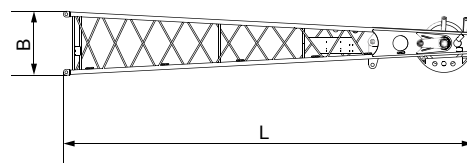
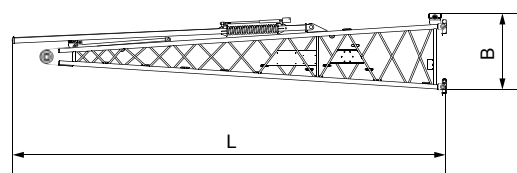
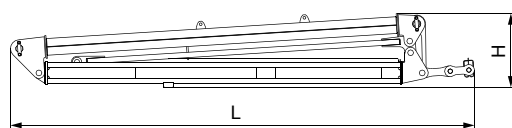
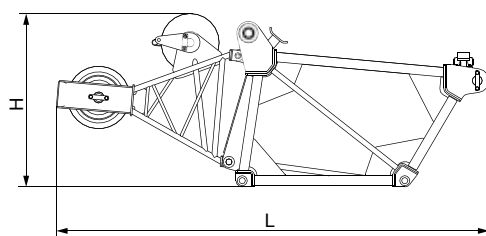
Notes:

1. The transportation dimensions are not drawn to proportion. The dimensions in the sketch are design value excluding packages.
2. The weight is design value and there may be tiny difference due to the manufacturing calibration
3. After product upgrading, the actual weight is subjected to the latest products.

HYDRAULIC CRAWLER CRANE SCC600E

Transportation Dimension (Luffing Jib)

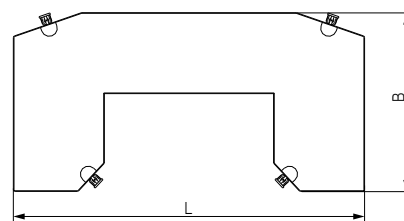
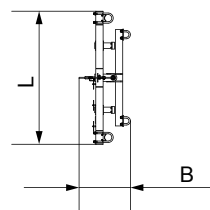
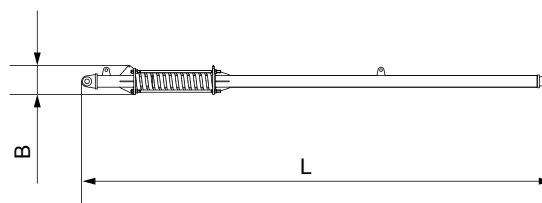
Special Boom Head Combination under Tower Condition	×1
Length (L)	3.46m
Width (B)	1.42m
Height (H)	1.39m
Weight	0.6t
Special Mast Combination under Tower Condition	×1
Length (L)	4.958m
Width (B)	1.446m
Height (H)	0.795m
Weight	0.68t
Luffing Jib Base	×1
Length (L)	5.48m
Width (B)	0.97m
Height (H)	1.35m
Weight	0.35t
Luffing Jib Tip	×1
Length (L)	5.42m
Width (B)	0.84m
Height (H)	1.01m
Weight	0.40t
Luffing Jib 3m Insert	×2
Length (L)	3.08m
Width (B)	0.84m
Height (H)	1.02m
Weight	0.13t
Luffing Jib 6m Insert	×2
Length (L)	6.08m
Width (B)	0.99m
Height (H)	1.02m
Weight	0.24t
9m Boom Insert under Tower Condition	×1
Length (L)	9.10m
Width (B)	1.91m
Height (H)	1.43m
Weight	1.02t



HYDRAULIC CRAWLER CRANE SCC600E

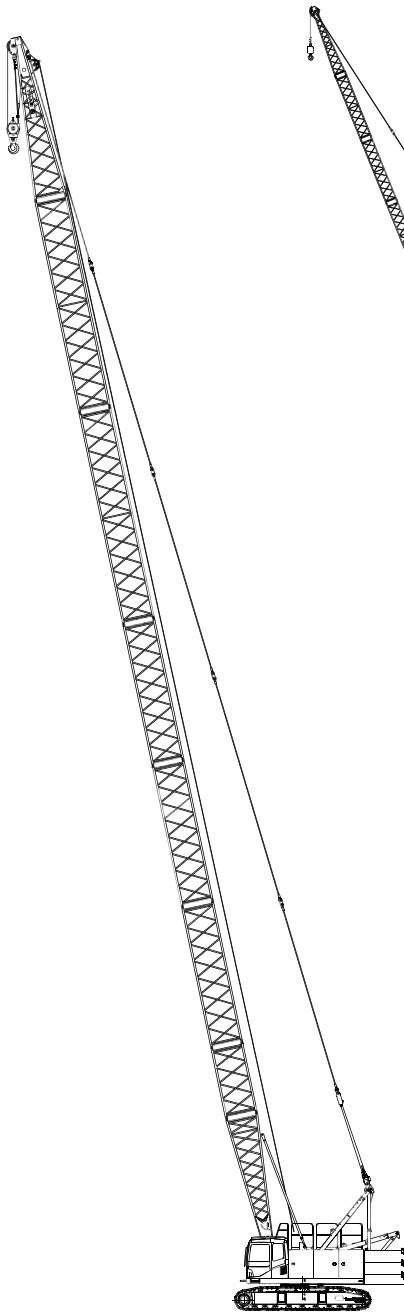
Transportation Dimensions (Luffing Jib)

Special Boom Back-stop under Tower Condition	×2
Length (L)	5.13m
Width (B)	0.32m
Height (H)	0.29m
Weight	0.32t
Special Jib Fixed Frame under Tower Condition	×1
Length (L)	1.45m
Width (B)	0.56m
Height (H)	0.46m
Weight	0.07t
Counterweight Block	×1
Length (L)	3.324m
Width (B)	1.67m
Height (H)	0.62m
Weight	6t

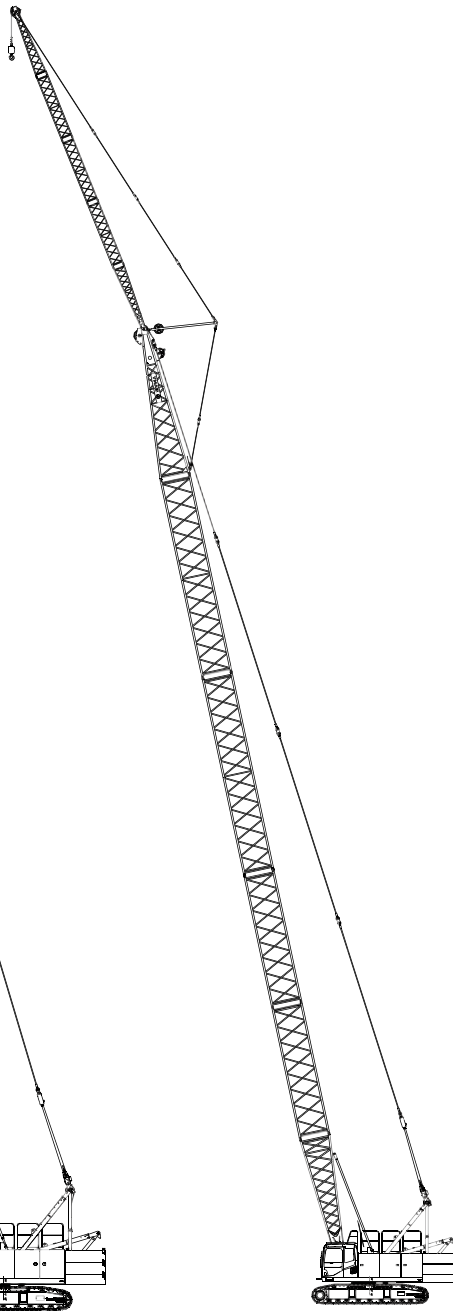


HYDRAULIC CRAWLER CRANE **SCC600E**

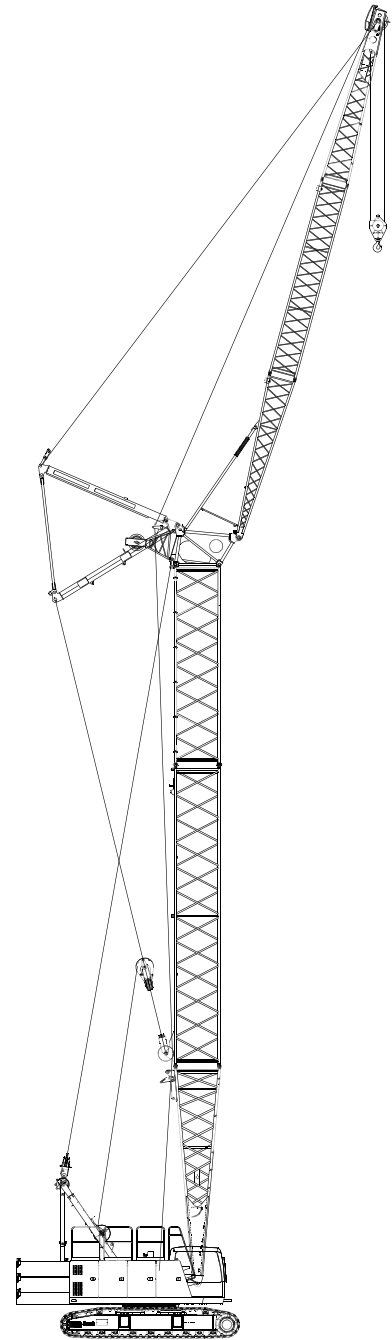
Boom Configurations



H Operating Condition
Boom 13m-52m



FJ Operating Condition
Boom 22m-43m
Fixed Jib 6.1m-15.25m



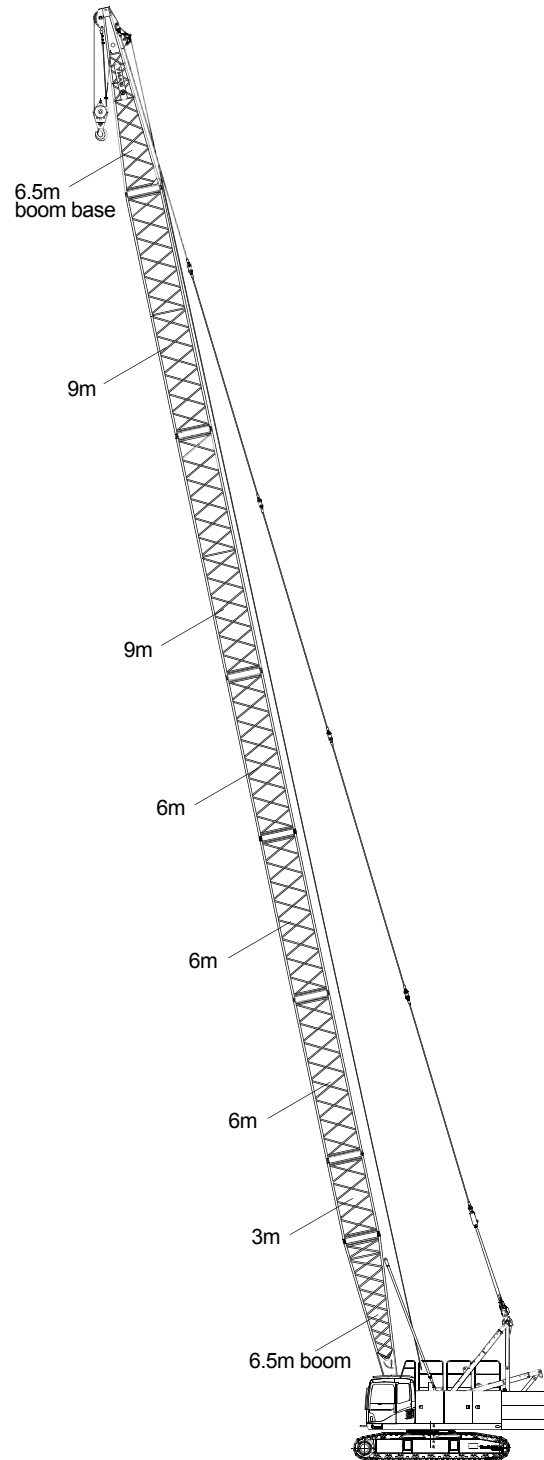
LJ Operating Condition
Boom 22.3m~40.3m
Luffing jib 16m~28m

HYDRAULIC CRAWLER CRANE SCC600E

Main Boom Configuration (H)

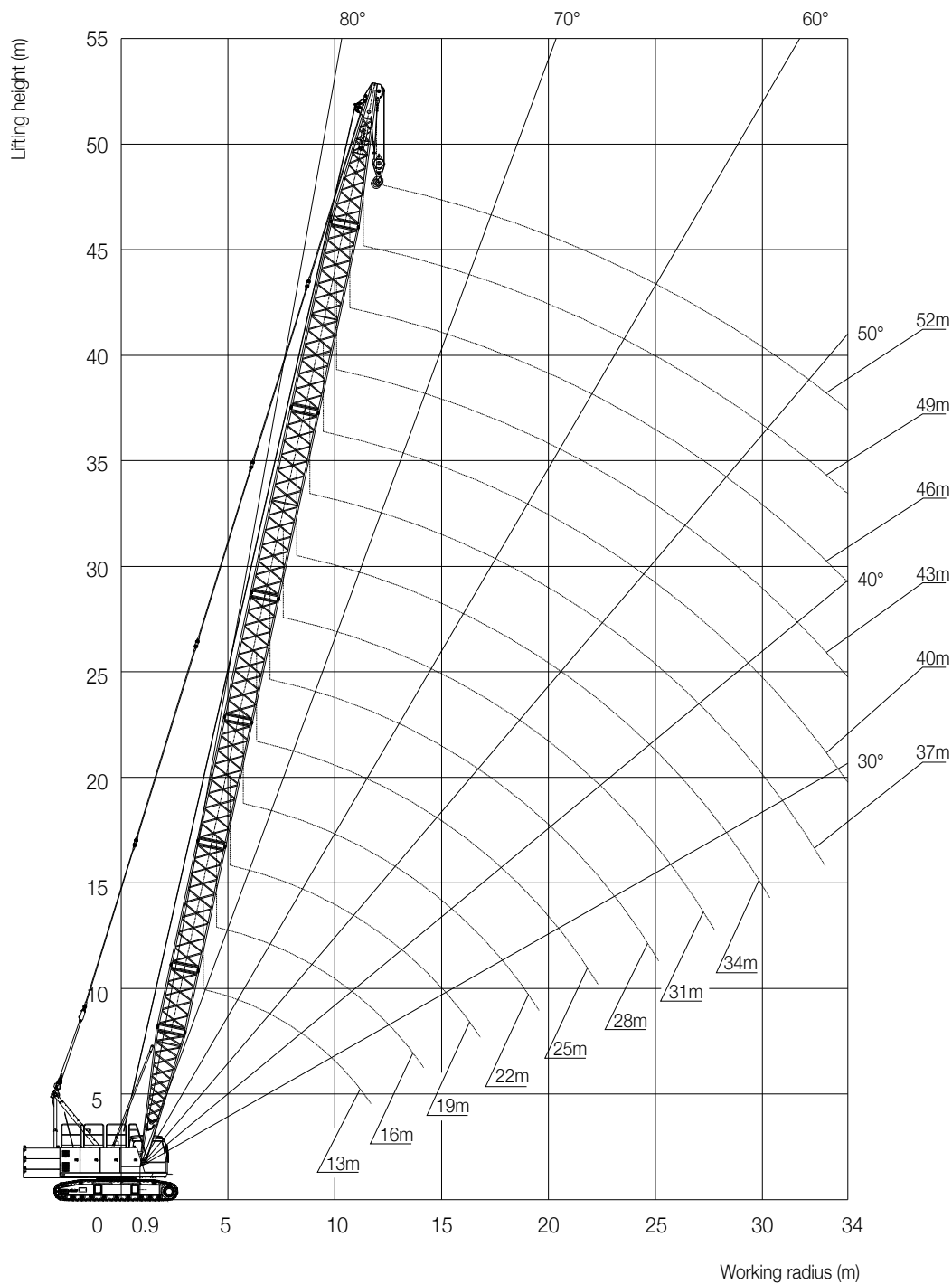
Boom length		Basic Boom		Insert		
m		6.5m base	6.5m tip	3m	6m	9m
13		1	1	-	-	-
16		1	1	1	-	-
19		1	1	-	1	-
22		1	1	1	1	-
22	★	1	1	-	-	1
25		1	1	-	2	-
28		1	1	1	2	-
28	★	1	1	-	1	1
31		1	1	1	1	1
31	★	1	1	-	-	2
34		1	1	1	3	-
34	★	1	1	-	2	1
37		1	1	1	2	1
37	★	1	1	-	1	2
40		1	1	1	1	2
40	★	1	1	-	3	1
43		1	1	1	3	1
43	★	1	1	-	2	2
46		1	1	1	2	2
49		1	1	-	3	2
52		1	1	1	3	2

Notes: The boom combination remarked with ★ is optimized ;



HYDRAULIC CRAWLER CRANE **SCC600E**

Main Boom Working Range (H)



HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Main Boom (H)

unit: (t)

SCC600E Boom Rated Load Chart														
Radius (m)	13	16	19	22	25	28	31	34	37	40	43	46	49	52
3.7	60													
4	50.2	48.2												
4.5	42.5	41.8	40.2											
5	37.5	36	35	33.2										
5.5	32.5	31.9	31	30.2	28.2									
6	28.5	28.3	27.5	27.2	26.2	25.2								
7	22.9	22.7	22.5	22.2	21.7	21.2	20.5							
8	19.2	19	18.7	18.5	18.5	18	17.5	17.1	16.7					
9	16.1	15.7	15.7	15.6	15.5	15.4	14.8	14.2	14	13.2	12.8			
10	14.2	14	13.9	13.9	13.7	13.7	13.5	13.2	12.8	12.5	12.1	11.7	11.3	
12	11.3	11.2	11.1	11	10.9	10.8	10.8	10.5	10.3	10	9.6	9.3	9.2	9.2
14		9.3	9.2	9.1	9	8.8	8.8	8.6	8.5	8.2	8	7.7	7.4	7.4
16			7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.9	6.4	6.2	6.2
18			6.6	6.6	6.6	6.5	6.4	6.2	6.1	5.9	5.8	5.5	5.3	5.1
20				5.6	5.6	5.5	5.5	5.3	5.2	4.9	4.9	4.7	4.4	4.3
22					5	4.8	4.6	4.5	4.3	4.2	4.1	3.9	3.7	3.6
24						4.2	4	3.9	3.7	3.6	3.5	3.3	3.2	3
26						3.6	3.6	3.4	3.3	3.2	3	2.9	2.7	2.5
28							3	3	2.9	2.7	2.5	2.4	2.3	2.1
30								2.6	2.5	2.3	2.1	2	1.9	1.7
32									2.1	2	1.8	1.7	1.6	1.4
34									1.8	1.7	1.5	1.4	1.3	1.2
36										1.3	1.1	1	0.9	

Notes-Rated Load of Crane

1. The track frame shall be expanded during lifting.
2. The rated load in the table is the value under the condition that the non-traveling heavy load is lifted slowly and steadily from the solid and flat ground.
3. The rated load in the table is calculated based on 75% of the tipping load under wind speed of less than 9.8m/s.
4. All values in load chart are applicable for 360° rotation.
5. The rated load value in the table includes the weight of hook, wire rope and other lifting tools. The actual hoisting capacity is value that the rated value minus the weight of all lifting tools (including hooks, slings, and wire ropes).
6. The length of boom on which a jib can be mounted is 22m~43m. The max. length boom with an extension arm is 49m.

HYDRAULIC CRAWLER CRANE **SCC600E**

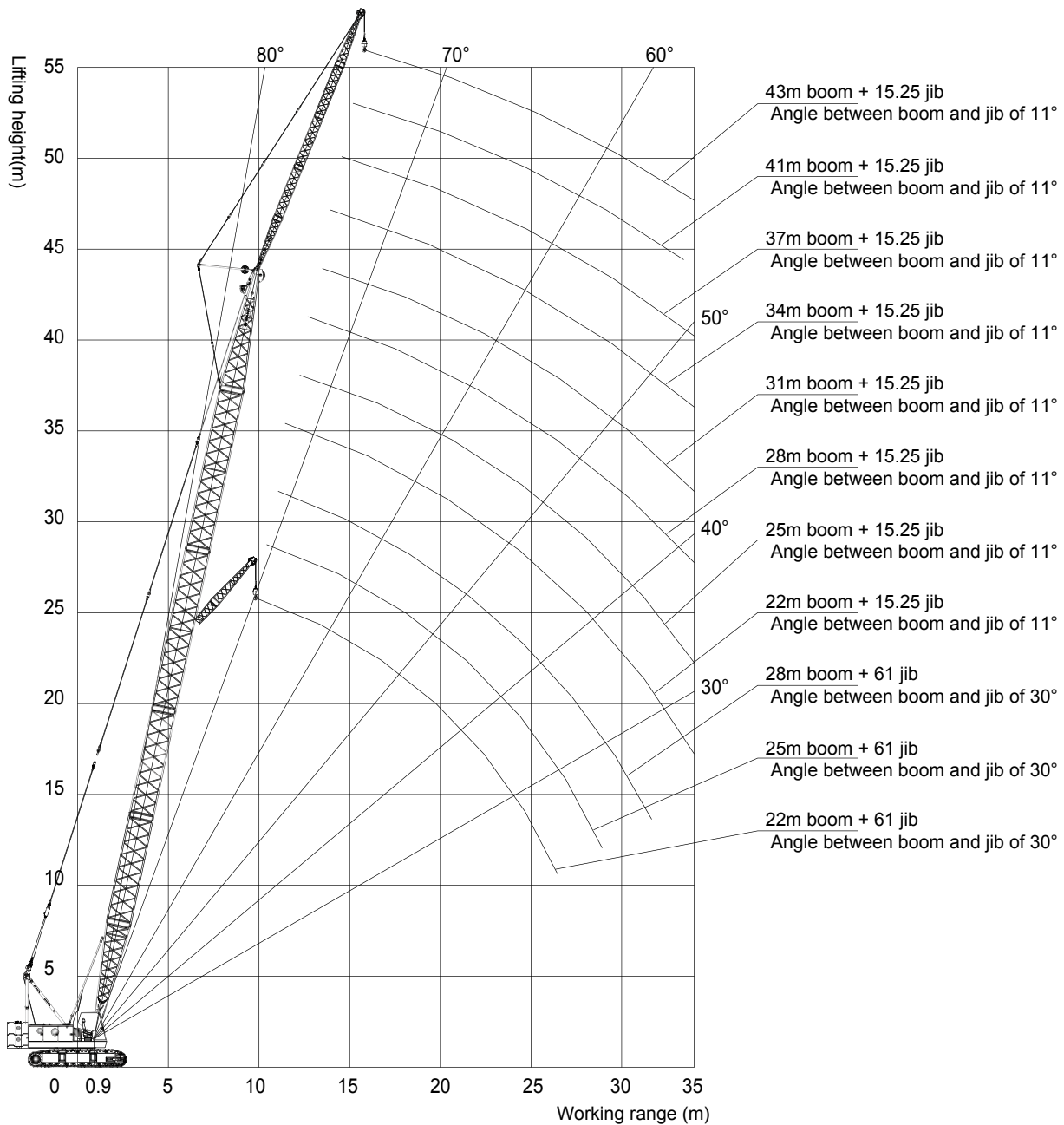
Fixed Jib Configuration (FJ)

Fixed Jib Combination

Jib Length(m)	Basic Boom		Insert	Boom Length(m)	Jib Offset Angle
	3.05m Base	3.05m Tip	3.05m		
6.1	1	1	-	22~43	10° 、 30°
9.15	1	1	1	22~43	10° 、 30°
12.2	1	1	2	22~43	10° 、 30°
15.25	1	1	3	22~43	10° 、 30°

HYDRAULIC CRAWLER CRANE SCC600E

Fixed Jib Working Range (FJ)



HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Fixed Jib (FJ)

SCC600E FJ Jib Load Chart

Unit: t

	Boom22m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.1		9.15		12.2		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8	5.50	9.8m×5.5	9.2m×5.5					
10	5.50	5.50	5.50		10.3m×4.5		11.4m×4.5	
12	5.50	5.50	5.50	4.80	4.50		4.40	
14	5.50	5.50	5.50	4.65	4.50	4.00	4.40	
16	5.50	5.00	5.50	4.45	4.50	3.50	4.00	3.50
18	5.50	5.00	5.50	4.25	4.15	3.50	4.00	3.25
20	4.90	5.00	5.00	4.05	3.95	3.50	3.85	3.05
22	4.30	4.35	4.35	3.85	3.85	3.50	3.60	2.90
24	3.90	4.00	4.00	3.50	3.65	3.25	3.35	2.85
26	3.80	3.85	3.85	3.45	3.55	3.20	3.25	2.75
28	26.1m×3.3	3.05	3.05	3.05	3.05	3.05	3.05	2.70
30			29m×2.9	29m×2.85	2.75	2.75	2.75	2.65
32					31.8m×2.5	2.50	2.50	2.20
34						32.6m×2.5	2.30	2.15
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

	Boom25m		Fixed Jib 6.10~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.10		9.15		12.20		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8	8.6m×5.5		9.8m×5.5		10.9m×4.5			
10	5.50	10.4m×5.5	5.50		4.50			
12	5.50	5.50	5.50	12.5m×4.8	4.50		12.1m×4.5	
14	5.50	5.50	5.50	4.65	4.50	14.5m×4.0	4.40	
16	5.50	5.50	5.50	4.45	4.35	3.50	4.25	16.6m×3.5
18	5.50	5.00	5.50	4.25	4.15	3.50	4.00	3.25
20	4.90	5.00	5.00	4.05	3.95	3.50	3.85	3.05
22	4.30	4.35	4.35	3.85	3.85	3.50	3.60	2.90
24	3.90	4.00	4.00	3.50	3.65	3.25	3.35	2.85
26	3.80	3.85	3.85	3.45	3.55	3.20	3.25	2.75
28	3.00	3.05	3.05	3.05	3.05	3.05	3.05	2.70
30	28.7m×2.8	29.1m×2.75	2.65	2.75	2.75	2.75	2.75	2.65
32			31.6m×2.45	2.40	2.40	2.40	2.40	2.20
34						2.25	2.20	2.15
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Fixed Jib (FJ)

SCC600E FJ Jib Load Chart

Unit: t

Jib Length(m)	Boom28m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
	6.1		9.15		12.2		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8	9.3m×5.5							
10	5.50	11.1m×5.5	10.4m×5.5		11.6m×4.5			
12	5.50	5.50	5.50	13.1m×5.0	4.50		12.7m×4.0	
14	5.50	5.50	5.50	4.80	4.50	15.1m×3.8	3.50	
16	5.50	5.50	5.50	4.55	4.30	3.80	3.50	17.2m×3.2
18	5.50	5.00	5.50	4.05	4.05	3.70	3.50	3.20
20	5.00	5.00	5.00	3.85	3.95	3.55	3.45	3.05
22	4.50	4.50	4.50	3.70	3.85	3.45	3.25	2.95
24	4.00	4.00	4.00	3.50	3.65	3.25	3.35	2.85
26	3.80	3.85	3.85	3.45	3.55	3.20	3.25	2.75
28	3.00	3.05	3.05	3.05	3.05	3.05	3.05	2.70
30	2.60	2.65	2.65	2.75	2.75	2.75	2.75	2.65
32	31.3m×2.3	31.7m×2.3	2.30	2.30	2.35	2.40	2.35	2.20
34			2.05	2.10	2.10	2.15	2.10	2.15
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

Jib Length(m)	Boom31m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
	6.10		9.15		12.20		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8	9.9m×5.5							
10	5.50	11.7m×5.5	11.0m×5.5					
12	5.50	5.50	5.50	13.7m×4.8	12.2m×4.5		13.3m×4.0	
14	5.50	5.50	5.50	4.75	4.50		4.00	
16	5.50	5.50	5.50	4.50	4.50	4.00	4.00	
18	5.50	5.50	5.50	4.35	4.35	3.85	4.00	3.20
20	4.80	4.85	4.85	4.25	4.15	3.70	3.85	3.15
22	4.40	4.45	4.45	4.05	3.95	3.50	3.65	3.00
24	4.00	4.05	4.05	3.85	3.80	3.35	3.45	2.85
26	3.80	3.85	3.85	3.45	3.55	3.20	3.25	2.75
28	3.00	3.05	3.05	3.05	3.05	3.05	3.05	2.70
30	2.60	2.65	2.65	2.75	2.75	2.75	2.75	2.65
32	2.20	2.25	2.25	2.25	2.35	2.35	2.30	2.30
34	33.9m×1.9	1.95	1.95	2.00	2.00	2.10	2.05	2.15
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Fixed Jib (FJ)

SCC600E FJ Jib Load Chart

Unit: t

	Boom34m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.1		9.15		12.2		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8								
10	10.5m×5.5		11.7m×5.5					
12	5.50	12.3m×5.5	5.50		12.8m×4.5		13.9m×3.5	
14	5.50	5.50	5.50	14.4m×4.8	4.50		3.50	
16	5.50	5.50	5.50	4.75	4.50	16.4m×3.85	3.50	
18	5.50	5.50	5.50	4.65	4.35	3.75	3.50	18.4m×3.2
20	4.80	4.85	4.85	4.45	4.15	3.55	3.50	3.15
22	4.30	4.35	4.35	4.20	3.95	3.45	3.35	3.05
24	3.80	3.85	3.85	3.90	3.75	3.35	3.30	2.95
26	3.40	3.45	3.45	3.45	3.45	3.15	3.20	2.85
28	3.00	3.05	3.05	3.05	3.05	3.05	3.05	2.80
30	2.60	2.65	2.65	2.75	2.75	2.75	2.75	2.65
32	2.20	2.25	2.25	2.25	2.35	2.35	2.30	2.35
34	1.80	1.85	1.85	1.95	1.90	2.00	1.95	2.05
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

	Boom37m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.10		9.15		12.20		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8								
10	11.1m×5.5							
12	5.50	12.9m×5.5	12.3m×5.5		13.4m×4.5			
14	5.50	5.50	5.50	15.0m×4.8	4.50		14.6m×4.0	
16	5.50	5.50	5.50	4.80	4.50	17.0m×3.8	4.00	
18	5.50	5.50	5.50	4.60	4.50	3.75	3.80	19.1m×3.2
20	4.60	4.65	4.65	4.45	4.20	3.65	3.60	3.15
22	4.10	4.15	4.15	4.25	4.05	3.45	3.50	3.05
24	3.60	3.65	3.65	3.75	3.75	3.35	3.35	2.95
26	3.20	3.25	3.25	3.35	3.35	3.25	3.20	2.85
28	2.90	2.95	2.95	2.95	2.95	2.95	3.00	2.80
30	2.50	2.55	2.55	2.60	2.65	2.65	2.60	2.70
32	2.20	2.25	2.25	2.25	2.35	2.35	2.30	2.30
34	1.65	1.75	1.75	1.85	1.80	1.90	1.95	2.05
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Fixed Jib (FJ)

SCC600E FJ Jib Load Chart

Unit: t

	Boom40m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.1		9.15		12.2		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8								
10	11.8m×5.5							
12	5.50	13.6m×5.5	12.9m×5.5					
14	5.50	5.50	5.50	15.6m×4.8	14.8m×4.5		15.2m×3.5	
16	5.50	5.50	5.50	4.50	4.50		3.50	
18	5.50	5.50	5.50	4.50	4.35	4.00	3.45	19.7m×3.2
20	4.50	4.55	4.55	4.35	4.20	3.85	3.35	3.20
22	4.00	4.05	4.05	4.15	4.05	3.70	3.25	3.10
24	3.60	3.65	3.65	3.70	3.55	3.50	3.15	3.00
26	3.15	3.20	3.20	3.25	3.15	3.35	3.00	2.90
28	2.80	2.85	2.85	2.85	2.85	2.85	2.75	2.80
30	2.45	2.50	2.50	2.55	2.45	2.55	2.45	2.55
32	2.10	2.15	2.15	2.25	2.15	2.25	2.15	2.30
34	1.85	1.90	1.90	1.95	1.85	1.95	1.95	2.05
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

	Boom43m		Fixed Jib 6.1m~15.25m		Rear Counterweight 18t			
Jib Length(m)	6.10		9.15		12.20		15.25	
Jib Angle Radius (m)	10°	30°	10°	30°	10°	30°	10°	30°
8								
10								
12	12.4m×5.5		13.5m×5.5					
14	5.50	14.2m×5.5	5.50		14.7m×4.5		15.8m×3.5	
16	5.50	5.50	5.50	16.2m×4.8	4.50		16.8m×3.5	
18	5.50	5.50	5.50	4.80	4.35	19.3m×3.8	3.35	
20	4.45	4.50	4.50	4.50	4.20	3.80	3.25	20.3m×3.2
22	3.95	4.00	4.00	4.20	4.05	3.70	3.15	3.15
24	3.50	3.55	3.55	3.65	3.55	3.50	3.05	3.05
26	3.10	3.15	3.15	3.15	3.10	3.20	2.85	2.95
28	2.70	2.75	2.75	2.75	2.75	2.85	2.75	2.85
30	2.40	2.45	2.45	2.35	2.35	2.50	2.40	2.55
32	2.00	2.05	2.05	2.10	2.05	2.15	2.05	2.25
34	1.70	1.75	1.75	1.85	1.75	1.90	1.75	2.05
Counterweight (t)	18	18	18	18	18	18	18	18

Note: Value marked with grey color is determined by boom strength

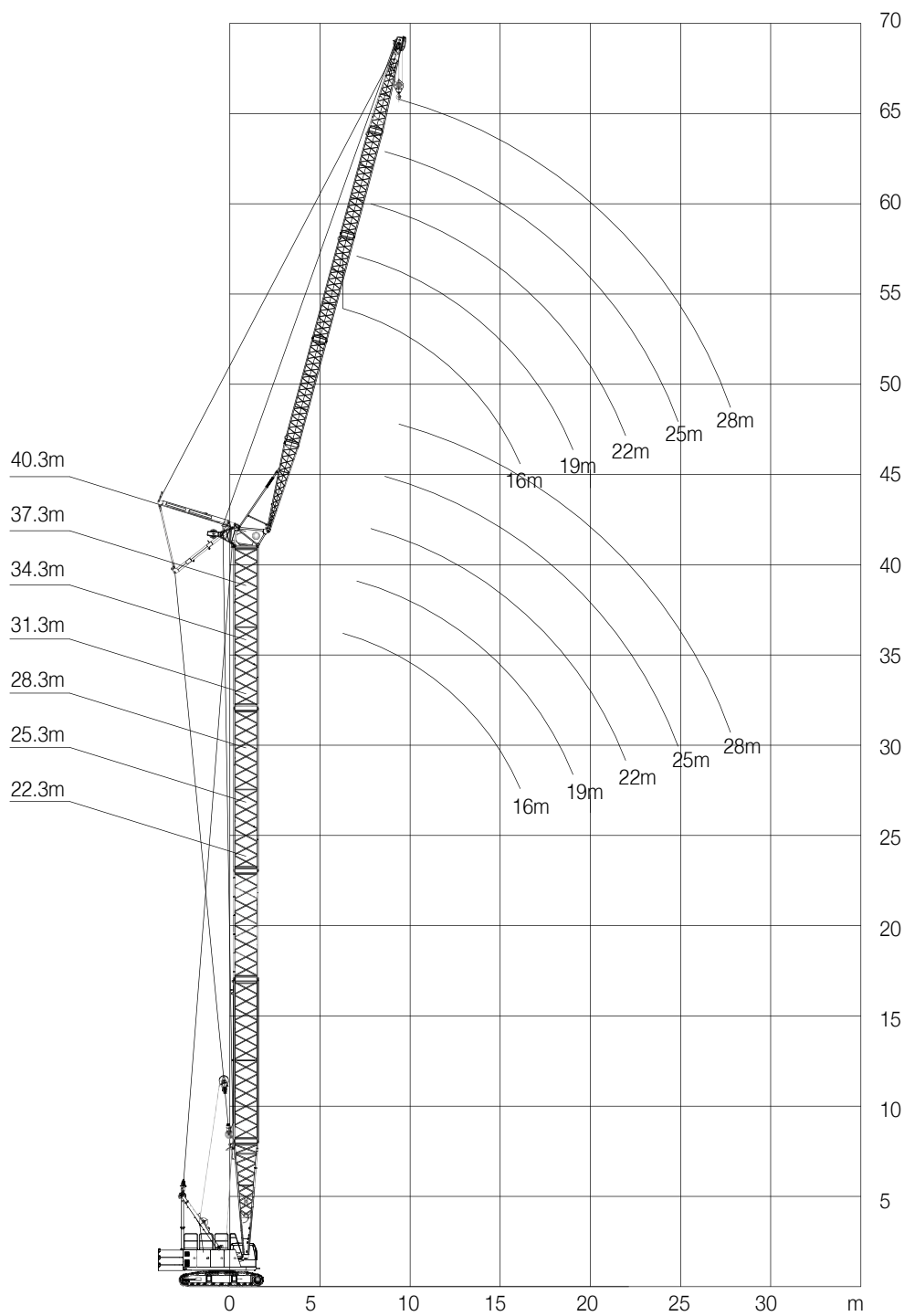
HYDRAULIC CRAWLER CRANE **SCC600E**

Luffing Jib Configuration (LJ)

Luffing jib combination				
Jib length (m)	Basic boom		Insert	
	5m Base	5m Tip	3m	6m
16	1	1	-	1
19	1	1	1	1
22	1	1	-	2
25	1	1	1	2
28	1	1	2	2

HYDRAULIC CRAWLER CRANE **SCC600E**

Luffing Jib Working Range (LJ)



HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

Boom Length	6.1						15.25									Boom Length
Jib Length	16m			19m			16m			19m			22m			Jib Length
Boom Angle Radius	90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	Boom Angle Radius
6.5	12.5						12.5									6.5
7	12.5			7.0m/12.5			12.5			12.5			7.8m/12			7
8	12.5			12.5			12.5			12.5			12.0			8
9	12.5			12.5			12.5			12.5			11.8			9
10	12.5			12.4			12.5			12.4			11.6			10
12	11.2			11.0			11.2			11.0			10.8			12
14	10.1	15.9m/7.2		9.9			10.1			9.9			9.7			14
16	8.2	7.2		8.5	17.4m/6.4		8.6	16.6m/6.6		8.5			8.5			16
18	17.6m/6	6.3		7.5	6.2		17.6m/6.5	6.1		7.5	18.1m/5.8		7.6	19.6m/5.2		18
20		5.5		6.2	5.5			5.4		6.2	5.3		6.6	5.1		20
22		4.9		20.5m/4.8	4.8			4.7		20.5m/4.8	4.6		5.6	4.6		22
24		23.3m/4.4	24.4m/3.6		4.3			4.2	25.9m/3.1		4.2		23.4m/4.3	4.1		24
26			3.4		3.9	26.6m/3.2		24.1m/4.1	3.2		3.8			3.7		26
28			3.0		26.2m/3.8	2.9			2.8		27.0m/3.5	28.1m/2.73		3.4		28
30			28.6m/2.9			2.7			2.6			2.5		29.9m/3.0	30.2m/2.4	30
32						31.5m/2.5			30.1m/2.5			2.3			2.2	32
34												33.0m/2.2			2.1	34
36															35.9m/1.9	36
38																38

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

LJ Operating Condition

Boom Length	28.3m												Boom Length
Jib Length	16m			19m			22m			25m			Jib Length
Angle Radius	90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	Angle Radius
6.5	12.5												6.5
7	12.5			12.5			7.8m/12.0						7
8	12.5			12.5			12.0			8.6m/9.0			8
9	12.5			12.5			11.8			9.0			9
10	12.5			12.4			11.6			8.8			10
12	11.2			10.9			10.8			8.6			12
14	10.0			9.8			9.7			8.1			14
16	8.2	17.4m/6.1		8.5			8.5			7.5			16
18	17.6m/6	5.9		7.6	18.9m/5.3		7.6			6.8			18
20		5.1		6.2	5.0		6.6	20.4m/4.8		6.2	21.9m/4.3		20
22		4.6		20.5m/4.8	4.5		5.6	4.4		5.6	4.3		22
24		4.1			4.0		23.4m/4.3	4.0		4.9	3.9		24
26		24.9m/3.8	27.4m/2.6		3.7			3.6		4.2	3.5		26
28			2.6		27.8m/3.2	29.6m/2.2		3.3		26.3m/3.5	3.2		28
30			2.3			2.2		2.9	31.7m/1.9		2.8		30
32			31.6m/2.1			2.1		30.7m/2.8	1.9		2.6	33.8m/1.6	32
34						1.9			1.8		33.6m/2.4	1.6	34
36						34.5m/1.8			1.7			1.5	36
38									37.4m/1.5			1.4	38
40												1.3	40
42												40.3m/1.3	42

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

LJ Operating Condition

Boom Length	31.3m															Boom Length
Jib Length	16m			19m			22m			25m			28m			Jib Length
Boom Angle Radius	90°	75°	60°	90°	75°	60°	90v	75°	60°	90°	80°	70°	90°	80°	70°	Boom Angle Radius
6.5	12.5															6.5
7	12.5			12.5			7.8m/12.0									7
8	12.5			12.5			12.0			8.6m/9.0						8
9	12.5			12.5			11.8			9.0			9.4m/6.5			9
10	12.5			12.4			11.6			8.8			6.5			10
12	11.1			10.9			10.8			8.6			6.5			12
14	10.0			9.8			9.7			8.1			6.3			14
16	8.2			8.5			8.5			7.5			5.9			16
18	17.6m/6	18.2m/5.5		7.6	19.7m/4.9		7.6			6.7	18.1m/5.8		5.4	19.4m/5.2		18
20		4.9		6.2	4.8		6.6	21.2m/4.4		6.2	5.1		4.8	5.1		20
22		4.4		20.5m/4.8	4.3		5.6	4.2		5.6	4.6		4.4	4.5		22
24		4.0			3.9		23.4m/4.3	3.8		4.9	4.1		4.0	4.1		24
26		25.6m/3.6			3.5			3.5		4.2	3.7	27.3m/2.7	3.7	3.7		26
28			28.9m/2.1		3.2			3.2		26.3m/3.5	3.4	2.6	3.4	3.3	28.8m/2.4	28
30			1.8		28.5m/3.0	31.1m/1.8		2.8			3.0	2.4	29.2m/2.9	3.0	2.3	30
32			1.7			1.8		31.4m/2.6	33.2m/1.5		31.7m/2.8	2.2		2.7	2.1	32
34			33.1m/1.6			1.6				1.5		2.0		2.5	2.0	34
36						1.5				1.4		1.9		34.6m/2.3	1.8	36
38										1.3					1.7	38
40										38.9m/1.2					39.8m/1.6	40

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

LJ Operating Condition

Boom Length	34.3m															Boom Length
Jib Length	16m			19m			22m			25m			28m			Jib Length
Boom Angle Radius	90°	75°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Boom Angle Radius
6.5	12.5															6.5
7	12.5			12.5			7.8m/12.0									7
8	12.5			12.5			12.0			8.6m/9.0						8
9	12.5			12.5			11.8			9.0			9.4m/6.5			9
10	12.5			12.4			11.6			8.7			6.5			10
12	11.1			10.9			10.8			8.4			6.5			12
14	10.0			9.8			9.7			8.1			6.3			14
16	8.2			8.5	16.1m/6.7		8.5	17.4m/6.0		7.5			5.9			16
18	17.6m/6	19.0m/5.0		7.6	5.9		7.6	5.9		6.7	18.6m/5.4		5.4	19.9m/4.9		18
20		4.7		6.2	5.1		6.6	5.1		6.1	5.0		4.8	4.9		20
22		4.2		20.5m/4.8	4.6		5.6	4.5		5.6	4.4		4.4	4.4		22
24		3.8			4.1	24.7m/3.0	23.4m/4.3	4.1		4.9	4.0		4.0	3.9		24
26		3.4			3.8	2.9		3.7	26.4m/2.7	4.2	3.6		3.7	3.6		26
28		26.4m/3.3			26.4m/3.6	2.6		3.4	2.5	26.3m/3.5	3.3	28.1m/2.3	3.3	3.2	29.8m/2.1	28
30			30.4m/1.6			2.4		29.3m/3.0	2.3		2.9	2.2	29.2m/2.9	2.9	2.1	30
32			1.6			2.2			2.1		2.7	2.0		2.6	2.0	32
34			1.4			32.1m/2.1			2.0		32.2m/2.6	1.9		2.4	1.8	34
36			34.6m/1.3						35.0m/1.8			1.7		35.1m/2.3	1.6	36
38												37.9m/1.6			1.5	38
40															1.4	40
42															40.8m/1.4	42

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

LJ Operating Condition

Boom Length	37.3m															Boom Length
Jib Length	16m			19m			22m			25m			28m			Jib Length
Boom Angle Radius	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Boom Angle Radius
6.5	12.5															6.5
7	12.5			12.5			7.8m/10.6									7
8	12.5			12.5			10.6			8.6m/9.0						8
9	12.5			12.5			10.6			8.9			9.4m/6.5			9
10	12.5			12.5			10.6			8.7			6.5			10
12	11.1			10.9			10.6			8.4			6.5			12
14	10.0	15.4m/7.0		9.8			9.7			8.1			6.3			14
16	8.2	6.8		8.5	16.6m/6.3		8.5	17.9m/5.6		7.5			5.9			16
18	17.6m/6	5.9		7.6	5.8		7.6	5.6		6.7	19.2m/5.0		5.4			18
20		5.1		6.2	5.0		6.6	4.9		6.1	4.8		4.8	20.4m/4.6		20
22		4.6		20.5m/4.7	4.5		5.6	4.4		5.6	4.3		4.4	4.3		22
24		4.1	3.0		4.0	25.7m/2.6	23.4m/4.3	4.0		4.9	3.9		4.0	3.8		24
26			2.8		3.7	2.6		3.6	27.4m/2.3	4.1	3.5		3.7	3.5		26
28			2.5		26.9m/3.4	2.4		3.3	2.3	26.3m/3.5	3.2	29.2m/2.0	3.3	3.0		28
30			2.3			2.2		29.8m/2.9	2.1		2.8	2.0	29.2m/2.9	2.8	30.9m/1.7	30
32			30.7m/2.2			2.0			2.0		2.6	1.8		2.6	1.7	32
34						33.2m/1.8			1.8		32.7m/2.4	1.7		2.3	1.6	34
36									1.6			1.5		35.6m/2.2	1.4	36
38									36.1m/1.5			1.4			1.3	38
40												39.0m/1.2			1.2	40
42															41.9m/1.1	42

HYDRAULIC CRAWLER CRANE **SCC600E**

Lifting Capacities Chart Luffing Jib (LJ)

LJ Operating Condition

Boom Length	40.3m													Boom Length
Jib Length	16m			19m			22m			25m		28m		Jib Length
Boom Angle Radius	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	90°	80°	Boom Angle Radius
6.5	12.5													6.5
7	12.5			10.0			7.8m/10.6							7
8	12.5			10.0			10.6			8.6m/7.0				8
9	12.5			10.0			10.6			7.0		9.4m/6.5		9
10	11.6			10.0			10.6			7.0		6.5		10
12	10.9			10.0			10.6			7.0		6.5		12
14	10.0	15.9m/6.5		9.7			9.7			7.0		6.3		14
16	8.2	6.5		8.5	17.1m/5.8		8.5			7.0		5.9		16
18	17.6m/6	5.7		7.6	5.6		7.6	18.4m/5.2		6.7	19.7m/4.7	5.3		18
20		5.0		6.2	4.9		6.6	4.8		6.1	4.7	4.8	20.9m/4.3	20
22		4.4		20.5m/4.8	4.3		5.6	4.3		5.6	4.2	4.4	4.1	22
24		4.0	25.0m/2.5		3.9		23.4m/4.3	3.8		4.9	3.7	4.0	3.7	24
26		24.6m/3.7	2.5		3.5	26.7m/2.2		3.5		4.1	3.4	3.6	3.3	26
28			2.3		27.5m/3.2	2.2		3.2	28.5m/1.9	26.3m/3.5	3.0	3.3	2.9	28
30			2.1			2.0		2.8	1.9		2.7	29.2m/2.9	2.7	30
32			31.3m/1.8			1.8		30.4m/2.7	1.7		2.5		2.4	32
34						1.6			1.5		33.3m/2.3		2.3	34
36						34.2m/1.4			1.4				2.1	36
38									37.1m/1.2				36.2m/2.0	38