

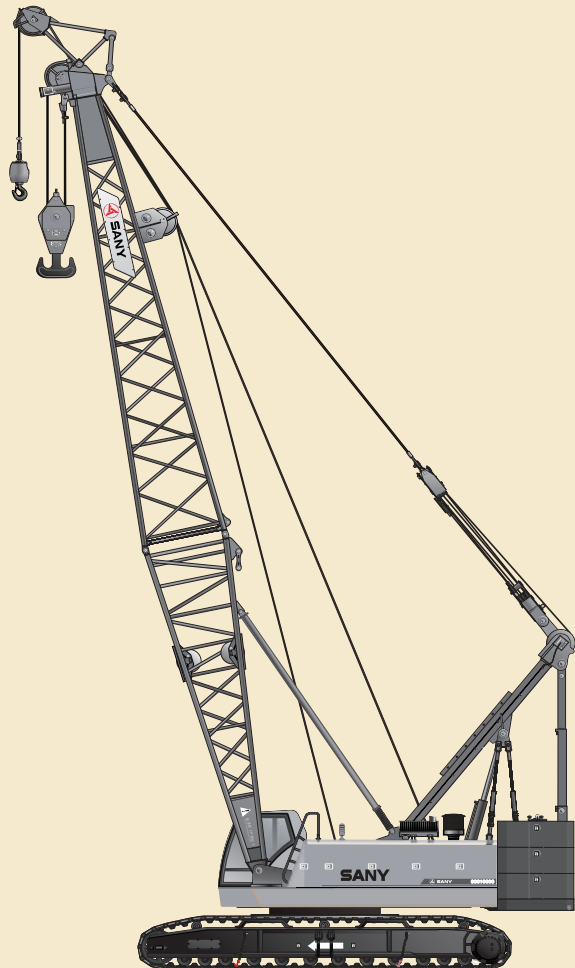


SANY

Quality Changes the World

Crawler Crane

SCC1800



Load Charts

SANY

SCC1800 Crawler Crane

Load Charts



WARNING

Read and follow the safety precautions and instructions in this manual and on the machine decals. Failure to do so can cause serious injury, death or property damage. Keep this manual with the machine for reading and future reference.

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Table of Contents

1 General

1.1 Calculation of Rated Loads	1-1
1.2 Use the Load Charts Properly	1-1

2 Operating Condition Code

3 Operating Range Diagram

3.1 Range diagram in main boom operating condition (H) and main boom+ extension jib operating condition (HC).....	3-1
3.2 Range diagram in heavy main boom operating condition (Hh)	3-2
3.3 Main boom + fixed jib operating condition (FJ).....	3-3
3.4 Luffing jib operating condition (LJ).....	3-4

4 Load Charts

Table of Contents

General

Operating Condition Code

Operating Range Diagram

Load Charts

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SANY

General

1 General

1.1 Calculation of Rated Loads.....	1-1
1.2 Use the Load Charts Properly	1-1

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1 General

1.1 Calculation of Rated Loads

Rated loads in the load charts are determined either by strength or by stability.

Rated loads determined by stability are calculated according to ISO 4305:1991 Mobile Cranes—Determination of Stability and these rated loads are always within the 75% of tipping load.

1.2 Use the Load Charts Properly

1. Ground conditions: rated loads in the load charts are calculated in the condition that the crane is on hard, horizontal and evenly-supported ground with gradient smaller than 1%. If these condition requirements are not fulfilled, the value of rated loads must be decreased for calculation.

2. Actual Lifting Capacity: the weight of hook blocks, lifting devices, and wire ropes reeving between the hooks and boom/jib heads must be deducted from the rate load to obtain a net lifting value, i.e. the actual lifting capacity.

Table 1-1 Hook Parameters

Nominal Load (t)	200	150	100	50	25	13.5
Deadweight (t)	3.83	2.8	1.99	1.06	0.79	0.53

(a) Weight of wire ropes reeving between hooks (main hook, auxiliary hook) and boom/jib heads is calculated by 3.29kg/m(2.21lb/ft).

(b) The rate load includes the weight of hook blocks, lifting devices, wire ropes reeving between the hooks and boom/jib heads and extention boom.

3. Wind Speed: Calculating rated loads also takes allowable wind speed of each operating condition into consideration. The SCC1800 crawler crane is allowed to operate when the speed of stable wind or gust is not exceeding 16m/s(35.8mph). Hence the maximum allowable wind speed for SCC1500C crawler crane is 9.8m/s(21.9mph)~16.0m/s(35.8mph) (equivalent to 60~160 N/m² (0.009 ~0.023psi)dynamic pressure); when the wind speed is higher than 16m/s and lower than 22m/s(49.2mph), the crane is not allowed to operate but allowed to have the boom system upstanding; when wind speed is higher than 22m/s(49.2mph), the boom system must be lowered down to the ground.

(a) When operating with load, different boom length allows different maximum wind speed and dynamic pressure, as shown in the **table 1-2**:

Table 1-2 Allowable wind speed and dynamic pressure

Boom height (m)	Allowable wind speed (m/s)	Allowable dynamic pressure (N/m ²)
<50m	13.8	120
≥50m	9.8	60

(b) When operating without load, different boom length allows different maximum wind speed and dynamic pressure, as shown in the **table 1-3**:

Table 1-3 Allowable wind speed and dynamic pressure

Boom height (m)	Allowable wind speed (m/s)	Allowable dynamic pressure (N/m ²)
Main boom	21	275
Main boom+jib	15	140

If the wind speed at operating site cannot fulfill the requirements listed above, the crane is not allowed to operate until the load is reduced accordingly based on the actual situation. For further information on influences of wind speed, please refer to “Influence of Wind Speed” in Chapter II.

4. Scope of Application: values or rated loads listed in the load charts are all applicable for the whole 360° slewing range.

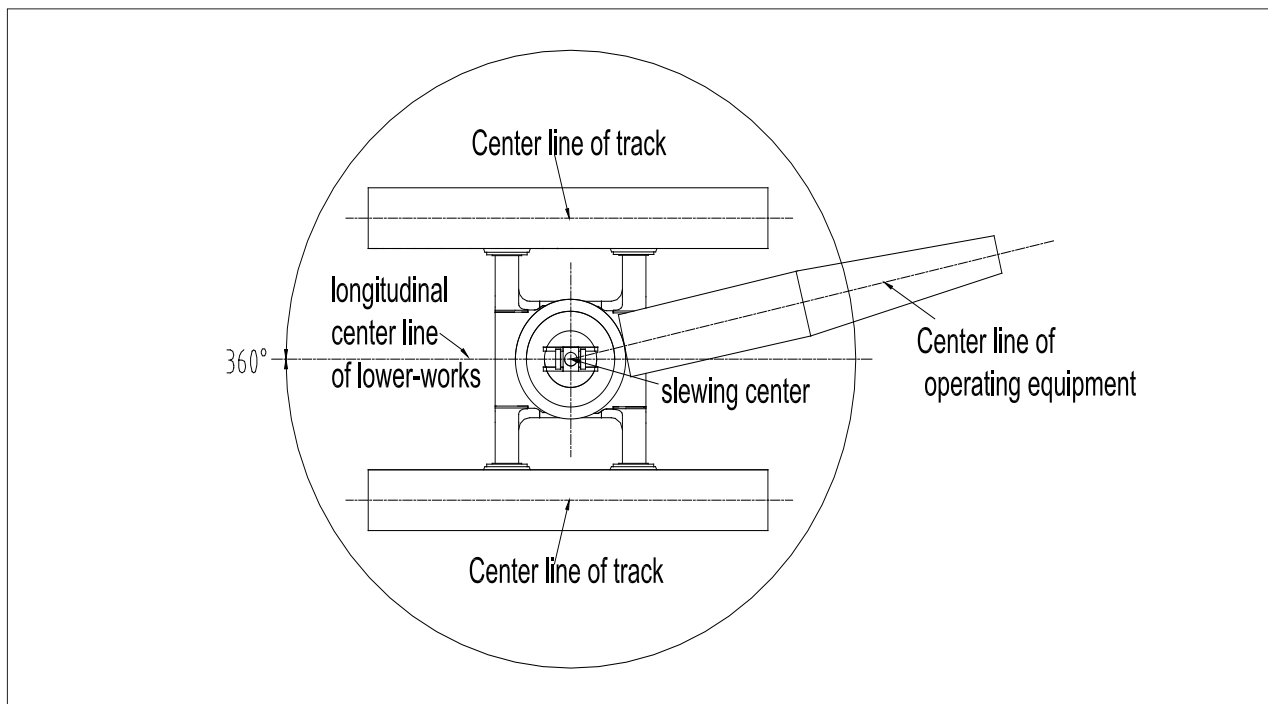


Fig. 1-1

5. Rated Load for Traveling Crane: values of rated loads listed in the load charts are calculated in condition that the crane is not traveling, and these values should be decreased accordingly when the crane is traveling. For traveling steadily at low speed, 90% of the rated load is allowed to attach in H operating condition for straight-line traveling, or 70% of the rated load is allowed to attach in H operating condition for turning, or 50% of the rated load is allowed to attach in FJ operating condition and LJ operating condition for straight-line traveling.

Notices requiring special care for traveling with load:

- (a) It is suggested to move the load in an area as small as possible and make the load close to the ground enough (with maximum distance of 500mm(1' 7.7") to the ground);
- (b) Only the low gear can be used if possible, and take proper measures to prevent the load swinging. For specifications on traveling, please refer to the “Traveling Operation” in Chapter II of this manual.

6. Traveling without load.

- (a) Transverse gradient of the ground should be considered except. Besides, the rugged condition of ground should also be considered when traveling without load.
- (b) Prevent the break of center of gravity which caused by crane incline, otherwise, the crane is easy to capsize, hook will hit frame. Especially the frame is high, the danger is bigger.
- (c) Operate smoothly, do not stop and start urgently.

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SANY

Operating Condition Code

2 Operating Condition Code

Table of Contents

General

Operating Condition Code

Operating Range Diagram

Load Charts

 **WARNING**

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2 Operating Condition Code

Operating Condition Codes

No.	Operating Condition	Code
1	Main Boom	H
2	Main Boom + Extension Jib	HC
3	Heavy main Boom	Hh
4	Main Boom + Fixed Jib	FJ
5	Luffing jib	LJ
6	Luffing jib+ Extension Jib	LJC

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Operating Range Diagram

3 Operating Range Diagram

3.1 Range diagram in main boom operating condition (H) and main boom+ extension jib operating condition (HC).....	3-1
3.2 Range diagram in heavy main boom operating condition (Hh).....	3-2
3.3 Main boom + fixed jib operating condition (FJ)	3-3
3.4 Luffing jib operating condition (LJ)	3-4

 **WARNING**

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3 Operating Range Diagram

3.1 Range diagram in main boom operating condition (H) and main boom+ extension jib operating condition (HC)

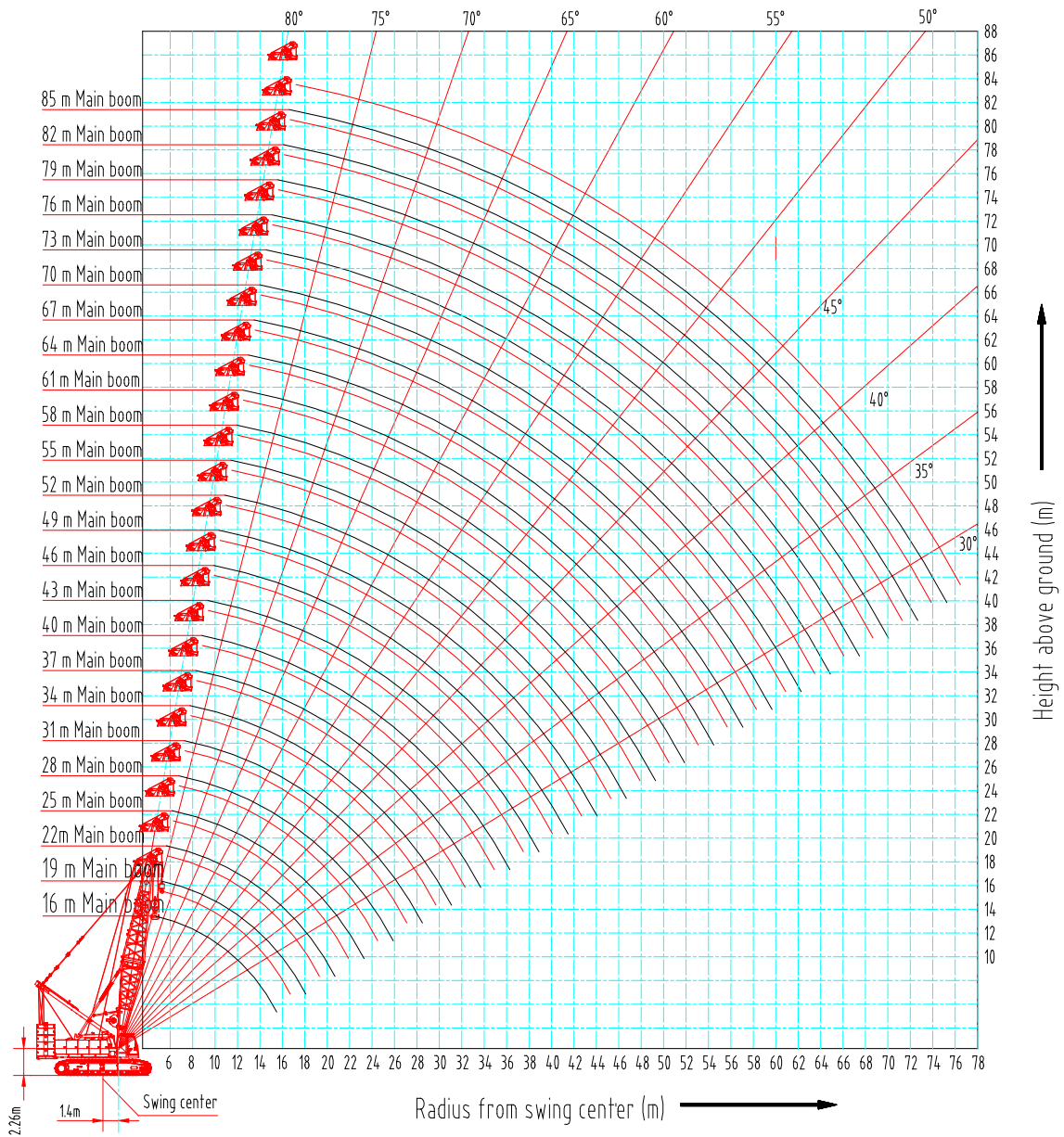


Table of Contents

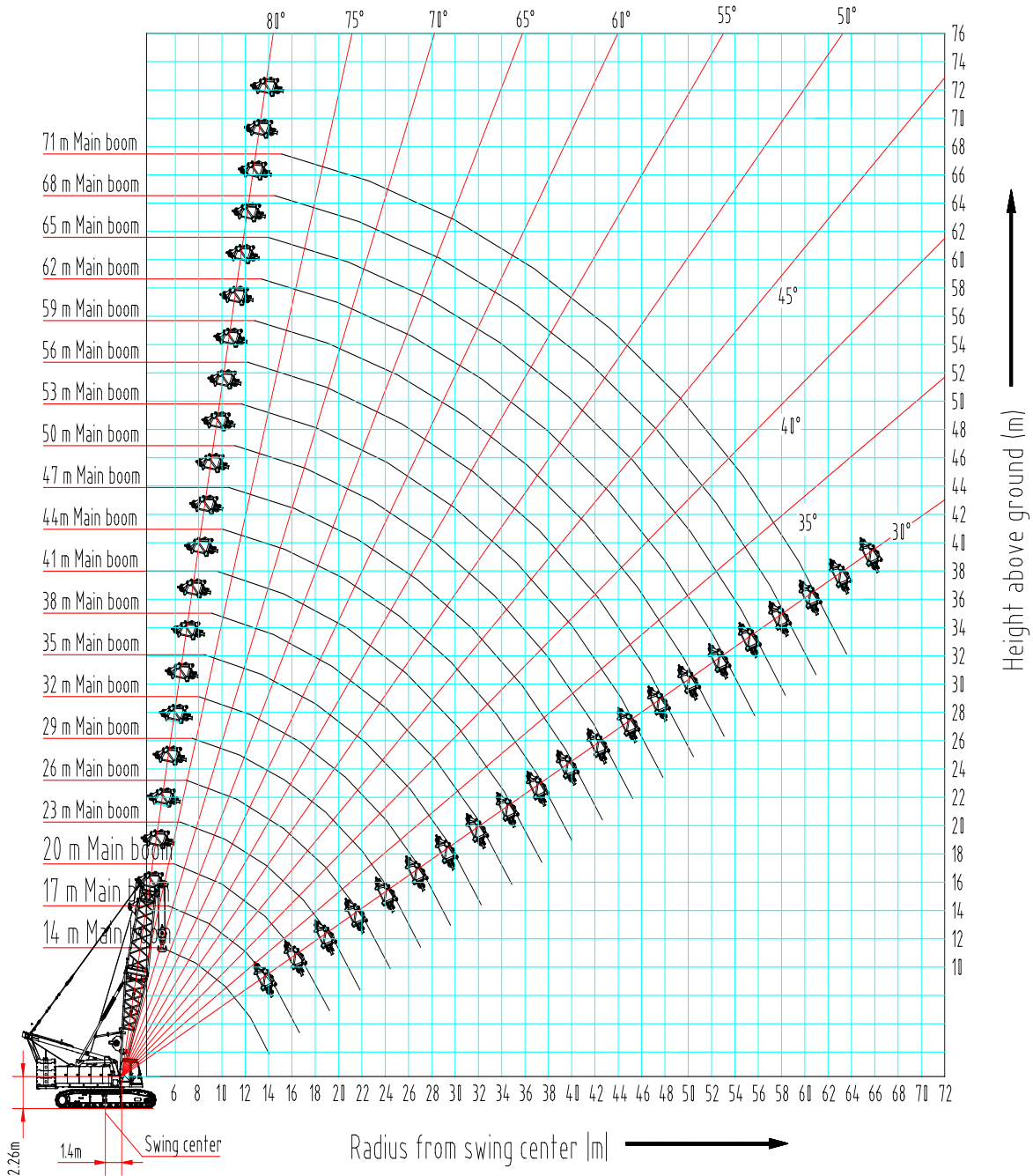
General

Operating Condition Code

Operating Range Diagram

Load Charts

3.2 Range diagram in heavy main boom operating condition (Hh)



3.3 Main boom + fixed jib operating condition (FJ)

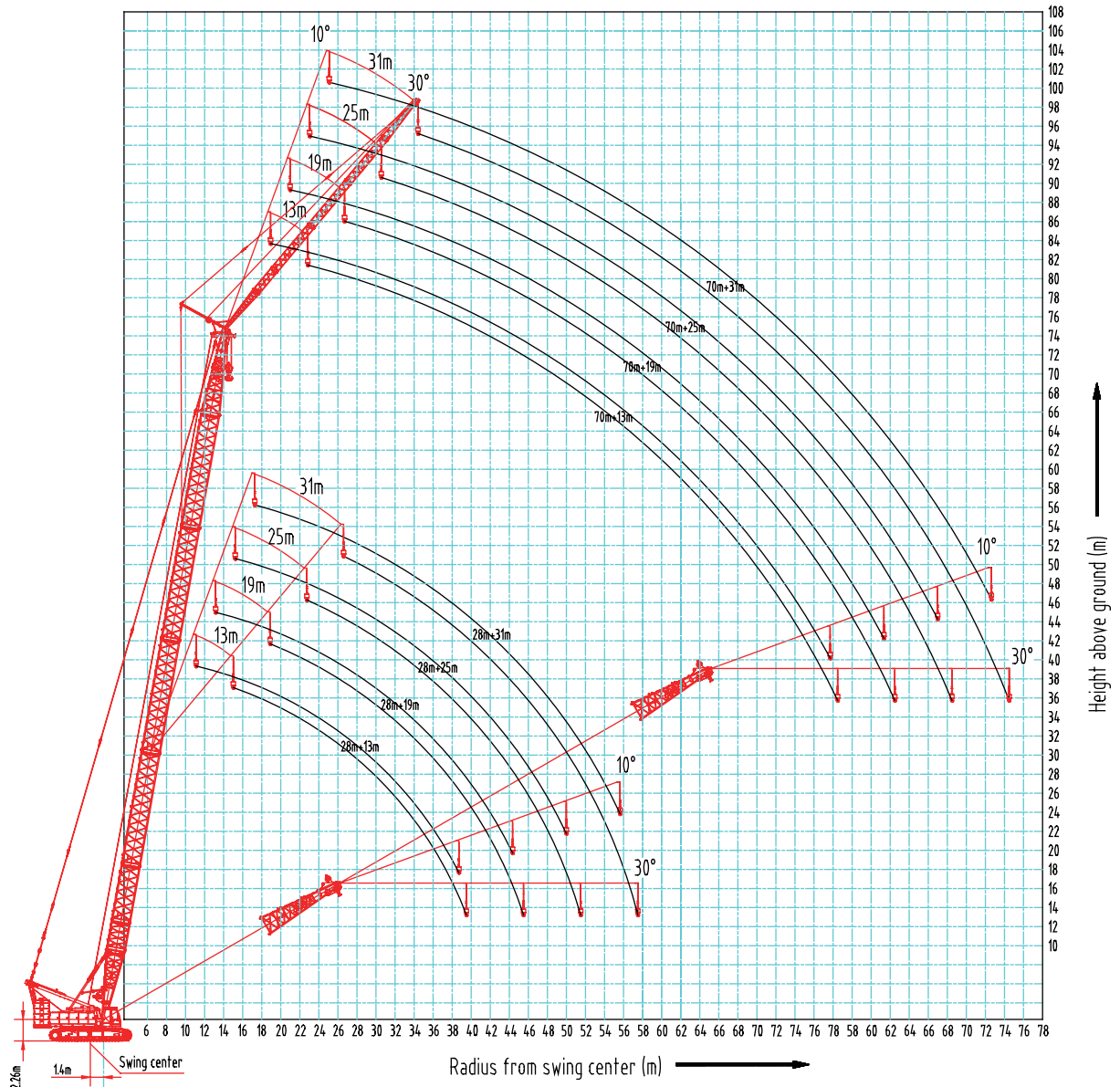


Table of Contents

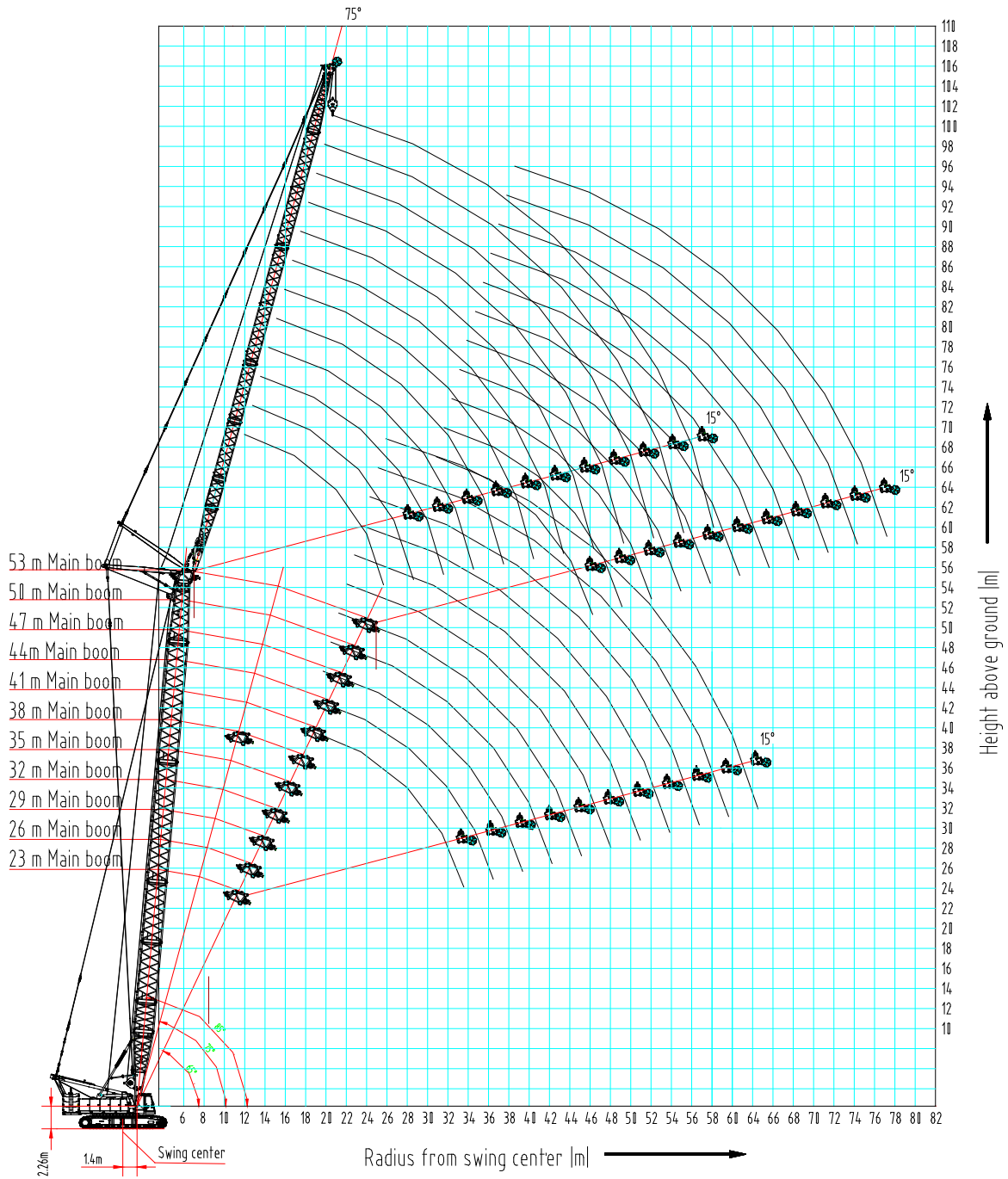
General

Operating Condition Code

Operating Range Diagram

Load Charts

3.4 Luffing jib operating condition (LJ)



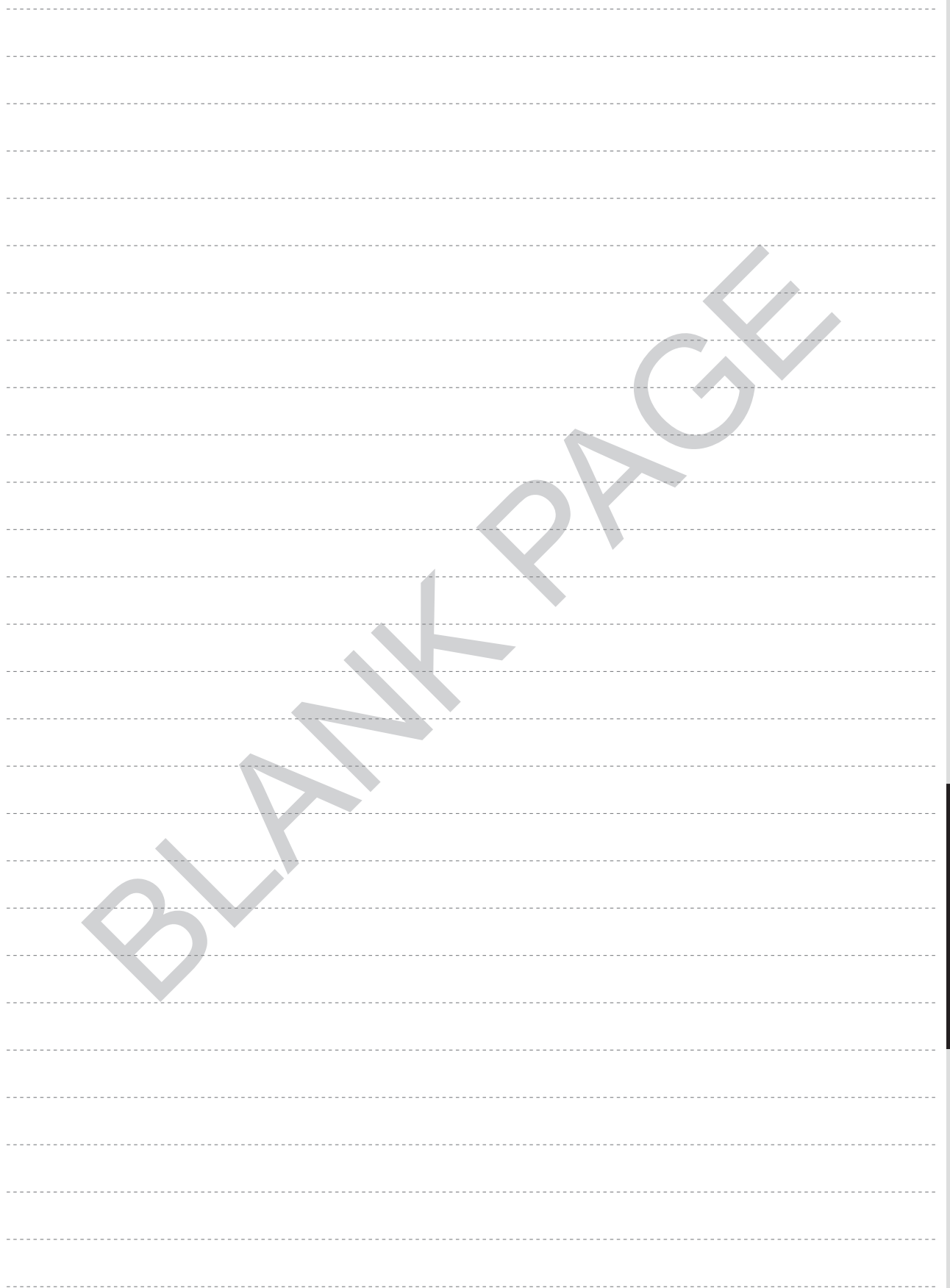


Table of Contents

General

Operating Condition Code

Operating Range Diagram

Load Charts

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SANY

Load Charts

4 Load Charts

Table of
Contents

General

Operating Condition
Code

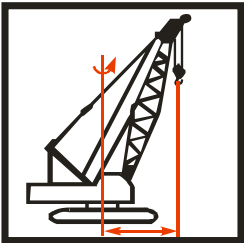
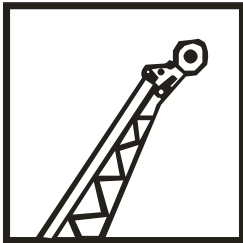
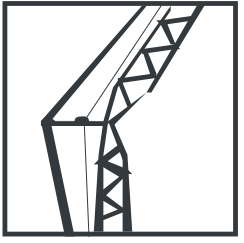
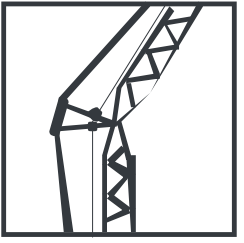
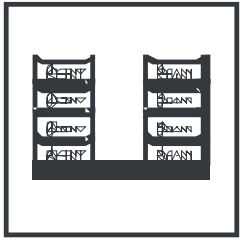
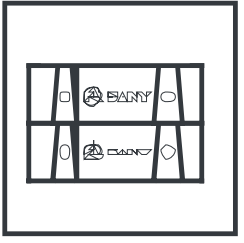
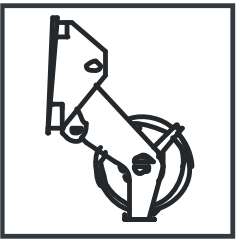
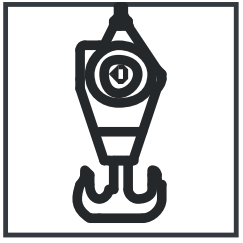
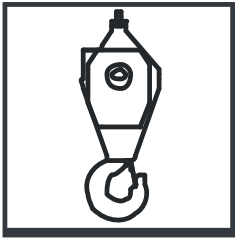
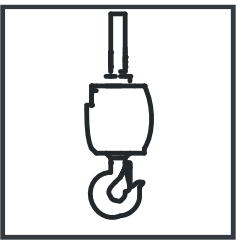
Operating Range
Diagram

Load Charts

 **WARNING**

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4 Load Charts

ICON		
		
Operating Radius (R)	Main Boom (H)	Fixed Jib (FJ)
		
Luffing Jib (LJ)	Counterweight, additional counterweight, counterweight + additional counterweight	Central Ballast
		
Extension Jib	Boom Hook	Jib Hook
		
Extension Jib Hook		

Please refer to the appendix at the back of Chapter III Load Charts for detailed load charts.

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SCC1800 Crawler Crane Load Charts(1/4)							
(H Operating condition of Main boom)							Unit: t
Boom(m) Radius(m)	16	19	22	25	28	31	Boom(m) Radius(m)
4	—	—	—	—	—	—	4
5	180.0/4.6m	161.6/5.1m	—	—	—	—	5
6	161.0	151.0	141.1/5.7m	133.5/6.2m	—	—	6
7	145.9	138.9	135.5	132.0	130/6.7m	120/7.2m	7
8	132.0	132.0	130.0	129.0	125.0	120.0	8
9	114.0	114.0	114.0	111.0	108.0	105.0	9
10	97.4	97.4	97.4	97.4	95.3	92.7	10
11	84.5	84.5	84.5	84.5	84.5	82.7	11
12	74.5	74.5	74.5	74.5	74.5	74.5	12
13	66.5	66.5	66.5	66.5	66.5	66.5	13
14	59.9	59.9	59.9	59.9	59.9	59.9	14
15	51.9	51.9	51.9	51.9	51.9	51.9	15
16	50.5/15.5m	50.0	50.0	50.0	50.0	50.0	16
17	—	46.0	46.0	46.0	46.0	46.0	17
18	—	41.4	41.4	41.4	41.4	41.4	18
19	—	—	39.7	39.7	39.7	39.7	19
20	—	—	37.1/20.7m	37.1	37.1	37.0	20
22	—	—	—	32.6	32.6	32.5	22
24	—	—	—	30/23.3m	29.0	28.9	24
26	—	—	—	—	25.5/25.9m	25.8	26
28	—	—	—	—	—	23.3	28
30	—	—	—	—	—	22.6/28.5m	30
32	—	—	—	—	—	—	32
34	—	—	—	—	—	—	34
36	—	—	—	—	—	—	36
38	—	—	—	—	—	—	38
40	—	—	—	—	—	—	40
42	—	—	—	—	—	—	42
44	—	—	—	—	—	—	44
46	—	—	—	—	—	—	46
48	—	—	—	—	—	—	48
50	—	—	—	—	—	—	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(2/4)							
(H Operating condition of Main boom)							Unit: t
Boom(m) Radius(m)	34	37	40	43	46	49	Boom(m) Radius(m)
4	—	—	—	—	—	—	4
5	—	—	—	—	—	—	5
6	—	—	—	—	—	—	6
7	—	—	—	—	—	—	7
8	109.7/7.8m	97.9/8.4m	—	—	—	—	8
9	102.0	97.9	96.5/8.8m	86.5/9.3m	—	—	9
10	90.4	88.0	85.7	83.5	74.9/9.8m	73.2/10.4m	10
11	80.9	78.9	77.0	75.1	73.5	71.7	11
12	73.1	71.4	69.8	68.2	66.8	65.3	12
13	66.5	65.2	63.7	62.3	61.1	59.8	13
14	59.9	59.8	58.6	57.3	56.3	55.1	14
15	51.9	51.9	54.1	53.0	52.1	51.0	15
16	50.0	50.0	49.9	49.2	48.4	47.4	16
17	46.0	46.0	46.0	45.8	45.2	44.3	17
18	41.4	41.4	42.5	42.3	42.3	41.4	18
19	39.7	39.6	39.5	39.3	39.3	38.9	19
20	37.0	37.0	36.8	36.7	36.6	36.5	20
22	32.5	32.5	32.3	32.2	32.1	32.0	22
24	28.9	28.8	28.7	28.5	28.5	28.3	24
26	25.8	25.8	25.7	25.5	25.5	25.3	26
28	23.3	23.3	23.2	23.0	23.0	22.8	28
30	21.3	21.1	21.0	20.8	20.8	20.6	30
32	20.1/31.1m	19.2	19.1	19.0	18.9	18.8	32
34	—	17.1/33.7m	17.5	17.3	17.3	17.1	34
36	—	—	16.0	15.9	15.9	15.7	36
38	—	—	15.5/36.3m	14.6	14.6	14.4	38
40	—	—	—	13.5/38.9m	13.5	13.3	40
42	—	—	—	—	12.3/41.5m	12.3	42
44	—	—	—	—	—	11.3	44
46	—	—	—	—	—	—	46
48	—	—	—	—	—	—	48
50	—	—	—	—	—	—	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(3/4)

(H Operating condition of Main boom)

Unit: t

Boom(m) Radius(m)	52	55	58	61	64	67	Boom(m) Radius(m)
10	—	—	—	—	—	—	10
11	63/10.9m	62.6/11.4m	—	—	—	—	11
12	63	62.4	61	50.9/12.4m	—	—	12
13	58.5	57.2	56.1	50.9	50.3	46.1/13.5m	13
14	53.9	52.8	51.8	50.7	49	45	14
15	50.0	48.9	48.1	47.1	46.1	43.9	15
16	46.5	45.5	44.7	43.8	43.0	42.1	16
17	43.4	42.5	41.8	41.0	40.1	39.3	17
18	40.7	39.8	39.2	38.4	37.6	36.9	18
19	38.2	37.4	36.8	36.1	35.4	34.6	19
20	36.0	35.2	34.7	34.0	33.3	32.6	20
22	31.8	31.5	31.0	30.3	29.7	29.1	22
24	28.2	28.0	27.9	27.3	26.7	26.1	24
26	25.1	24.9	24.9	24.7	24.2	23.6	26
28	22.6	22.4	22.3	22.1	21.9	21.4	28
30	20.4	20.2	20.2	20.0	19.8	19.5	30
32	18.6	18.4	18.3	18.1	17.9	17.7	32
34	17.0	16.7	16.7	16.5	16.3	16.1	34
36	15.5	15.3	15.2	15.0	14.8	14.6	36
38	14.3	14.0	14.0	13.8	13.6	13.3	38
40	13.1	12.9	12.8	12.6	12.4	12.2	40
42	12.1	11.9	11.8	11.6	11.4	11.2	42
44	11.2	11.0	10.9	10.7	10.5	10.3	44
46	10.3	10.1	10.1	9.8	9.7	9.4	46
48	9.8/47.1m	9.3	9.3	9.1	8.9	8.7	48
50	—	8.5/49.7m	8.6	8.4	8.2	8.0	50
52	—	—	7.6/51.9m	7.7	7.5	7.3	52
54	—	—	—	7.1	6.9	6.7	54
56	—	—	—	6.8/54.5m	6.4	6.2	56
58	—	—	—	—	6.0/57.5m	5.7	58
60	—	—	—	—	—	5.2/60.7m	60
62	—	—	—	—	—	—	62
64	—	—	—	—	—	—	64
66	—	—	—	—	—	—	66
68	—	—	—	—	—	—	68
70	—	—	—	—	—	—	70
72	—	—	—	—	—	—	72
74	—	—	—	—	—	—	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	5	5	5	4	4	4	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(4/4)							
(H Operating condition of Main boom)							Unit: t
Boom(m) Radius(m)	70	73	76	79	82	85	Boom(m) Radius(m)
10	—	—	—	—	—	—	10
11	—	—	—	—	—	—	11
12	—	—	—	—	—	—	12
13	—	—	—	—	—	—	13
14	41.7	38/14.5m	—	—	—	—	14
15	40.6	37.6	34.6	31.6/15.5m	—	—	15
16	39.6	36.6	33.9	31.4	29.1/16.1m	26.5/16.6m	16
17	38.6	35.7	33.1	30.6	28.4	26.3	17
18	36.2	34.7	32.2	29.7	27.6	25.5	18
19	34.0	33.3	31.3	28.9	26.8	24.8	19
20	32.1	31.4	30.4	28.1	26.1	24.1	20
22	28.6	28.0	27.4	26.6	24.7	22.8	22
24	25.7	25.1	24.6	24.1	23.4	21.6	24
26	23.2	22.7	22.2	21.7	21.2	20.4	26
28	21.1	20.6	20.1	19.6	19.1	18.6	28
30	19.2	18.7	18.3	17.8	17.3	16.9	30
32	17.5	17.1	16.6	16.2	15.8	15.3	32
34	15.9	15.6	15.2	14.8	14.3	13.9	34
36	14.5	14.3	13.9	13.5	13.1	12.7	36
38	13.2	13.0	12.7	12.3	11.9	11.5	38
40	12.1	11.9	11.7	11.3	10.9	10.5	40
42	11.1	10.9	10.7	10.3	10.0	9.6	42
44	10.2	9.9	9.7	9.5	9.1	8.7	44
46	9.3	9.1	8.9	8.7	8.3	7.9	46
48	8.6	8.3	8.1	7.9	7.6	7.2	48
50	7.9	7.6	7.4	7.2	6.9	6.5	50
52	7.2	7.0	6.8	6.6	6.3	5.9	52
54	6.6	6.4	6.2	6.0	5.7	5.3	54
56	6.1	5.9	5.6	5.4	5.2	4.8	56
58	5.6	5.3	5.1	4.9	4.7	4.3	58
60	5.1	4.9	4.7	4.4	4.2	3.8	60
62	4.6	4.4	4.2	4.0	3.8	3.4	62
64	4.3/62.3m	4.0	3.8	3.6	3.3	3.0	64
66	—	3.5/65m	3.4	3.2	2.9	2.6	66
68	—	—	2.8/67.5m	2.8	2.6	2.2	68
70	—	—	—	2.5	2.2	1.9	70
72	—	—	—	—	1.9	1.5	72
74	—	—	—	—	—	1.2	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	4	3	3	3	3	2	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.

3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(1/4)							
(Main boom tip extension in HCa Operating condition)							Unit: t
Boom(m) Radius(m)	16	19	22	25	28	31	Boom(m) Radius(m)
4	—	—	—	—	—	—	4
5	13.4/4.8m	13.4/5.3m	—	—	—	—	5
6	13.4	13.4	13.4/5.9m	13.4/6.4m	—	—	6
7	13.4	13.4	13.4	13.4	13.4/6.9m	13.4/7.4m	7
8	13.4	13.4	13.4	13.4	13.4	13.4	8
9	13.4	13.4	13.4	13.4	13.4	13.4	9
10	13.4	13.4	13.4	13.4	13.4	13.4	10
11	13.4	13.4	13.4	13.4	13.4	13.4	11
12	13.4	13.4	13.4	13.4	13.4	13.4	12
13	13.4	13.4	13.4	13.4	13.4	13.4	13
14	13.4	13.4	13.4	13.4	13.4	13.4	14
15	13.4	13.4	13.4	13.4	13.4	13.4	15
16	13.4/16.3m	13.4	13.4	13.4	13.4	13.4	16
17	—	13.4	13.4	13.4	13.4	13.4	17
18	—	13.4	13.4	13.4	13.4	13.4	18
19	—	13.4/18.8m	13.4	13.4	13.4	13.4	19
20	—	—	13.4	13.4	13.4	13.4	20
22	—	—	13.4/21.5m	13.4	13.4	13.4	22
24	—	—	—	13.4/24.1m	13.4	13.4	24
26	—	—	—	—	13.4/26.7m	13.4	26
28	—	—	—	—	—	13.4	28
30	—	—	—	—	—	13.4/29.3m	30
32	—	—	—	—	—	—	32
34	—	—	—	—	—	—	34
36	—	—	—	—	—	—	36
38	—	—	—	—	—	—	38
40	—	—	—	—	—	—	40
42	—	—	—	—	—	—	42
44	—	—	—	—	—	—	44
46	—	—	—	—	—	—	46
48	—	—	—	—	—	—	48
50	—	—	—	—	—	—	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(2/4)							
(Main boom tip extension in HCa Operating condition)							Unit: t
Boom(m) Radius(m)	34	37	40	43	46	49	Boom(m) Radius(m)
4	—	—	—	—	—	—	4
5	—	—	—	—	—	—	5
6	—	—	—	—	—	—	6
7	—	—	—	—	—	—	7
8	13.4	13.4/8.6m	—	—	—	—	8
9	13.4	13.4	13.4	13.4/9.5m	—	—	9
10	13.4	13.4	13.4	13.4	13.4	13.4/10.6m	10
11	13.4	13.4	13.4	13.4	13.4	13.4	11
12	13.4	13.4	13.4	13.4	13.4	13.4	12
13	13.4	13.4	13.4	13.4	13.4	13.4	13
14	13.4	13.4	13.4	13.4	13.4	13.4	14
15	13.4	13.4	13.4	13.4	13.4	13.4	15
16	13.4	13.4	13.4	13.4	13.4	13.4	16
17	13.4	13.4	13.4	13.4	13.4	13.4	17
18	13.4	13.4	13.4	13.4	13.4	13.4	18
19	13.4	13.4	13.4	13.4	13.4	13.4	19
20	13.4	13.4	13.4	13.4	13.4	13.4	20
22	13.4	13.4	13.4	13.4	13.4	13.4	22
24	13.4	13.4	13.4	13.4	13.4	13.4	24
26	13.4	13.4	13.4	13.4	13.4	13.4	26
28	13.4	13.4	13.4	13.4	13.4	13.4	28
30	13.4	13.4	13.4	13.4	13.4	13.4	30
32	13.4	13.4	13.4	13.4	13.4	13.4	32
34	—	13.4/34.5m	13.4	13.4	13.4	13.4	34
36	—	—	13.4	13.4	13.4	13.4	36
38	—	—	13.4/37.1m	13.4	13.4	13.4	38
40	—	—	—	13.2/39.7m	13.2	13.1	40
42	—	—	—	—	12.0/42.3m	12	42
44	—	—	—	—	—	11.0/44.8m	44
46	—	—	—	—	—	—	46
48	—	—	—	—	—	—	48
50	—	—	—	—	—	—	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(3/4)							
(Main boom tip extension in HCa Operating condition)							Unit: t
Boom(m) Radius(m)	52	55	58	61	64	67	Boom(m) Radius(m)
10	—	—	—	—	—	—	10
11	13.4/11.1m	13.4/11.6m	—	—	—	—	11
12	13.4	13.4	13.4/12.2m	13.4/12.6m	—	—	12
13	13.4	13.4	13.4	13.4	13.4/13.2m	13.4/13.7m	13
14	13.4	13.4	13.4	13.4	13.4	13.4	14
15	13.4	13.4	13.4	13.4	13.4	13.4	15
16	13.4	13.4	13.4	13.4	13.4	13.4	16
17	13.4	13.4	13.4	13.4	13.4	13.4	17
18	13.4	13.4	13.4	13.4	13.4	13.4	18
19	13.4	13.4	13.4	13.4	13.4	13.4	19
20	13.4	13.4	13.4	13.4	13.4	13.4	20
22	13.4	13.4	13.4	13.4	13.4	13.4	22
24	13.4	13.4	13.4	13.4	13.4	13.4	24
26	13.4	13.4	13.4	13.4	13.4	13.4	26
28	13.4	13.4	13.4	13.4	13.4	13.4	28
30	13.4	13.4	13.4	13.4	13.4	13.4	30
32	13.4	13.4	13.4	13.4	13.4	13.4	32
34	13.4	13.4	13.4	13.4	13.4	13.4	34
36	13.4	13.4	13.4	13.4	13.4	13.4	36
38	13.4	13.4	13.4	13.4	13.3	13	38
40	12.9	12.6	12.5	12.3	12.1	11.9	40
42	11.8	11.6	11.5	11.3	11.1	10.9	42
44	10.9	10.7	10.6	10.4	10.2	10	44
46	10	9.8	9.8	9.5	9.4	9.1	46
48	9.5	9	9	8.8	8.6	8.4	48
50	—	8.2/50.5m	8.3	8.1	7.9	7.7	50
52	—	—	7.3/52.7m	7.4	7.2	7	52
54	—	—	—	6.8	6.6	6.4	54
56	—	—	—	6.5/55.3m	6.1	5.9	56
58	—	—	—	—	5.7/58.3m	5.4	58
60	—	—	—	—	—	4.69/61.5m	60
62	—	—	—	—	—	—	62
64	—	—	—	—	—	—	64
66	—	—	—	—	—	—	66
68	—	—	—	—	—	—	68
70	—	—	—	—	—	—	70
72	—	—	—	—	—	—	72
74	—	—	—	—	—	—	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(3/4)							
(Main boom tip extension in HCa Operating condition)							Unit: t
Boom(m) Radius(m)	70	73	76	79	82	85	Boom(m) Radius(m)
10	—	—	—	—	—	—	10
11	—	—	—	—	—	—	11
12	—	—	—	—	—	—	12
13	—	—	—	—	—	—	13
14	13.4/14.2m	13.4/14.7m	—	—	—	—	14
15	13.4	13.4	13.4/15.2m	13.4/15.2m	—	—	15
16	13.4	13.4	13.4	13.4	13.4/16.3m	13.4/16.8m	16
17	13.4	13.4	13.4	13.4	13.4	13.4	17
18	13.4	13.4	13.4	13.4	13.4	13.4	18
19	13.4	13.4	13.4	13.4	13.4	13.4	19
20	13.4	13.4	13.4	13.4	13.4	13.4	20
22	13.4	13.4	13.4	13.4	13.4	13.4	22
24	13.4	13.4	13.4	13.4	13.4	13.4	24
26	13.4	13.4	13.4	13.4	13.4	13.4	26
28	13.4	13.4	13.4	13.4	13.4	13.4	28
30	13.4	13.4	13.4	13.4	13.4	13.4	30
32	13.4	13.4	13.4	13.4	13.4	13.4	32
34	13.4	13.4	13.4	13.4	13.4	13.4	34
36	13.4	13.4	13.4	13.2	12.8	12.4	36
38	12.9	12.7	12.4	12	11.6	11.2	38
40	11.8	11.6	11.4	11	10.6	10.2	40
42	10.8	10.6	10.4	10	9.7	9.3	42
44	9.9	9.6	9.4	9.2	8.8	8.4	44
46	9	8.8	8.6	8.4	8	7.6	46
48	8.3	8	7.8	7.6	7.3	6.9	48
50	7.6	7.3	7.1	6.9	6.6	6.2	50
52	6.9	6.7	6.5	6.3	6	5.6	52
54	6.3	6.1	5.9	5.7	5.4	5	54
56	5.8	5.6	5.3	5.1	4.9	4.5	56
58	5.3	5	4.8	4.6	4.4	4	58
60	4.8	4.6	4.4	4.1	3.9	3.5	60
62	4.3	4.1	3.9	3.7	3.5	3.1	62
64	4.0/63.1m	3.7	3.5	3.3	3	2.7	64
66	—	3.2/65.8m	3.1	2.9	2.6	2.3	66
68	—	—	2.5/68.3m	2.5	2.3	1.9	68
70	—	—	—	2.2/70.8m	1.9	1.6	70
72	—	—	—	—	1.6/72.8m	1.2	72
74	—	—	—	—	—	0.9	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(1/3)

(HCm-Main boom in HCm Operating condition)

Unit: t

Boom(m) Radius(m)	16	19	22	25	28	31	34	37	Boom(m) Radius(m)
4	—	—	—	—	—	—	—	—	4
5	180.0/4.6m	161.6/5.1m	—	—	—	—	—	—	5
6	161.0	151.0	141.1/5.7m	133.5/6.2m	—	—	—	—	6
7	145.9	138.9	135.5	132.0	130/6.7m	120/7.2m	—	—	7
8	131.7	131.7	129.7	128.7	124.7	119.7	109.7/7.8m	97.9/8.4m	8
9	113.7	113.7	113.7	110.7	107.7	104.7	101.7	97.6	9
10	97.1	97.1	97.1	97.1	95.0	92.4	90.1	87.7	10
11	84.2	84.2	84.2	84.2	84.2	82.4	80.6	78.6	11
12	74.2	74.2	74.2	74.2	74.2	74.2	72.8	71.1	12
13	66.2	66.2	66.2	66.2	66.2	66.2	66.2	64.9	13
14	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.5	14
15	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	15
16	50.2/15.5m	49.7	49.7	49.7	49.7	49.7	49.7	49.7	16
17	—	45.7	45.7	45.7	45.7	45.7	45.7	45.7	17
18	—	41.1	41.1	41.1	41.1	41.1	41.1	41.1	18
19	—	—	39.4	39.4	39.4	39.4	39.4	39.3	19
20	—	—	36.5/20.7m	36.8	36.8	36.7	36.7	36.7	20
22	—	—	—	32.3	32.3	32.2	32.2	32.2	22
24	—	—	—	29.7/23.3m	28.7	28.6	28.6	28.5	24
26	—	—	—	—	25.2/25.9m	25.5	25.5	25.5	26
28	—	—	—	—	—	23.0	23.0	23.0	28
30	—	—	—	—	—	22.3/28.5m	21.0	20.8	30
32	—	—	—	—	—	—	19.8/31.1m	18.9	32
34	—	—	—	—	—	—	—	16.8/33.7m	34
36	—	—	—	—	—	—	—	—	36
38	—	—	—	—	—	—	—	—	38
40	—	—	—	—	—	—	—	—	40
42	—	—	—	—	—	—	—	—	42
44	—	—	—	—	—	—	—	—	44
46	—	—	—	—	—	—	—	—	46
48	—	—	—	—	—	—	—	—	48
50	—	—	—	—	—	—	—	—	50
52	—	—	—	—	—	—	—	—	52
54	—	—	—	—	—	—	—	—	54
56	—	—	—	—	—	—	—	—	56
58	—	—	—	—	—	—	—	—	58
60	—	—	—	—	—	—	—	—	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	Rate

- Notes:**
- 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 - 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 - 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(2/3)									
(HCm-Main boom in HCm Operating condition)									Unit: t
Boom(m) Radius(m)	40	43	46	49	52	55	58	61	Boom(m) Radius(m)
4	—	—	—	—	—	—	—	—	4
5	—	—	—	—	—	—	—	—	5
6	—	—	—	—	—	—	—	—	6
7	—	—	—	—	—	—	—	—	7
8	—	—	—	—	—	—	—	—	8
9	96.5/8.8m	86.5/9.3m	—	—	—	—	—	—	9
10	85.4	83.2	74.9/9.8m	73.2/10.4m	—	—	—	—	10
11	76.7	74.8	73.2	71.4	63/10.9m	62.6/11.4m	—	—	11
12	69.5	67.9	66.5	65.0	63	62.4	61	50.9/12.4m	12
13	63.4	62.0	60.8	59.5	58.2	56.9	55.8	50.9	13
14	58.3	57.0	56.0	54.8	53.6	52.5	51.5	50.4	14
15	53.8	52.7	51.8	50.7	49.7	48.6	47.8	46.8	15
16	49.6	48.9	48.1	47.1	46.2	45.2	44.4	43.5	16
17	45.7	45.5	44.9	44.0	43.1	42.2	41.5	40.7	17
18	42.2	42.0	42.0	41.1	40.4	39.5	38.9	38.1	18
19	39.2	39.0	39.0	38.6	37.9	37.1	36.5	35.8	19
20	36.5	36.4	36.3	36.2	35.7	34.9	34.4	33.7	20
22	32.0	31.9	31.8	31.7	31.5	31.2	30.7	30.0	22
24	28.4	28.2	28.2	28.0	27.9	27.7	27.6	27.0	24
26	25.4	25.2	25.2	25.0	24.8	24.6	24.6	24.4	26
28	22.9	22.7	22.7	22.5	22.3	22.1	22.0	21.8	28
30	20.7	20.5	20.5	20.3	20.1	19.9	19.9	19.7	30
32	18.8	18.7	18.6	18.5	18.3	18.1	18.0	17.8	32
34	17.2	17.0	17.0	16.8	16.7	16.4	16.4	16.2	34
36	15.7	15.6	15.6	15.4	15.2	15.0	14.9	14.7	36
38	15.2/36.3m	14.3	14.3	14.1	14.0	13.7	13.7	13.5	38
40	—	13.2/38.9m	13.2	13.0	12.8	12.6	12.5	12.3	40
42	—	—	12.0/41.5m	12.0	11.8	11.6	11.5	11.3	42
44	—	—	—	11.0	10.9	10.7	10.6	10.4	44
46	—	—	—	—	10.0	9.8	9.8	9.5	46
48	—	—	—	—	9.5/47.1m	9.0	9.0	8.8	48
50	—	—	—	—	—	8.2/49.7m	8.3	8.1	50
52	—	—	—	—	—	—	7.3/51.9m	7.4	52
54	—	—	—	—	—	—	—	6.8	54
56	—	—	—	—	—	—	—	6.5/54.5m	56
58	—	—	—	—	—	—	—	—	58
60	—	—	—	—	—	—	—	—	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	8	7	6	6	5	5	5	4	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(3/3)									
(HCm-Main boom in HCm Operating condition)									Unit: t
Boom(m) Radius(m)	64	67	70	73	76	79	82	85	Boom(m) Radius(m)
10	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	12
13	50.3	46.1/13.5m	---	---	---	---	---	---	13
14	49	45	41.7	38/14.5m	---	---	---	---	14
15	45.8	43.6	40.6	37.6	34.6	31.6/15.5m	---	---	15
16	42.7	41.8	39.6	36.6	33.9	31.4	29.1/16.1m	26.5/16.6m	16
17	39.8	39.0	38.3	35.7	33.1	30.6	28.4	26.3	17
18	37.3	36.6	35.9	34.7	32.2	29.7	27.6	25.5	18
19	35.1	34.3	33.7	33.0	31.3	28.9	26.8	24.8	19
20	33.0	32.3	31.8	31.1	30.4	28.1	26.1	24.1	20
22	29.4	28.8	28.3	27.7	27.1	26.6	24.7	22.8	22
24	26.4	25.8	25.4	24.8	24.3	23.8	23.4	21.6	24
26	23.9	23.3	22.9	22.4	21.9	21.4	20.9	20.4	26
28	21.6	21.1	20.8	20.3	19.8	19.3	18.8	18.3	28
30	19.5	19.2	18.9	18.4	18.0	17.5	17.0	16.6	30
32	17.6	17.4	17.2	16.8	16.3	15.9	15.5	15.0	32
34	16.0	15.8	15.6	15.3	14.9	14.5	14.0	13.6	34
36	14.5	14.3	14.2	14.0	13.6	13.2	12.8	12.4	36
38	13.3	13.0	12.9	12.7	12.4	12.0	11.6	11.2	38
40	12.1	11.9	11.8	11.6	11.4	11.0	10.6	10.2	40
42	11.1	10.9	10.8	10.6	10.4	10.0	9.7	9.3	42
44	10.2	10.0	9.9	9.6	9.4	9.2	8.8	8.4	44
46	9.4	9.1	9.0	8.8	8.6	8.4	8.0	7.6	46
48	8.6	8.4	8.3	8.0	7.8	7.6	7.3	6.9	48
50	7.9	7.7	7.6	7.3	7.1	6.9	6.6	6.2	50
52	7.2	7.0	6.9	6.7	6.5	6.3	6.0	5.6	52
54	6.6	6.4	6.3	6.1	5.9	5.7	5.4	5.0	54
56	6.1	5.9	5.8	5.6	5.3	5.1	4.9	4.5	56
58	5.7/57.5m	5.4	5.3	5.0	4.8	4.6	4.4	4.0	58
60	---	4.9/60.7m	4.8	4.6	4.4	4.1	3.9	3.5	60
62	---	---	4.3	4.1	3.9	3.7	3.5	3.1	62
64	---	---	4.0/62.3m	3.7	3.5	3.3	3.0	2.7	64
66	---	---	---	3.2/65m	3.1	2.9	2.6	2.3	66
68	---	---	---	---	2.5/67.5m	2.5	2.3	1.9	68
70	---	---	---	---	---	2.2	1.9	1.6	70
72	---	---	---	---	---	---	1.6	1.2	72
74	---	---	---	---	---	---	---	0.9	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	4	4	4	3	3	3	3	2	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Crawler Crane Load Charts(1/4)

(Hh Operating Condition)

Boom(m) \	23	26	29	32	35	38	Boom(m)
5							5
6	100/6.43m						6
7	100	100/6.95m	100/7.47m				7
8	100	100	100	100	100/8.51m		8
9	100	100	100	100	100	97.6/9.04m	9
10	97.4	96.8	94.1	91.8	89.3	87	10
11	84.5	84.6	83.9	82	80	78	11
12	74.5	74.5	74.4	74	72.3	70.6	12
13	66.4	66.5	66.4	66.5	65.9	64.4	13
14	59.9	59.9	59.8	60	59.8	59.2	14
15	54.4	54.4	54.3	54.5	54.4	54.3	15
16	49.8	49.8	49.7	49.9	49.7	49.6	16
17	45.8	45.8	45.7	45.9	45.7	45.6	17
18	42.3	42.4	42.3	42.4	42.3	42.2	18
19	39.3	39.4	39.3	39.4	39.3	39.2	19
20	36.6	36.7	36.6	36.8	36.6	36.5	20
21	34.2	34.3	34.2	34.4	34.3	34.1	21
22		32.2	32.1	32.3	32.1	32	22
23		30.3	30.2	30.4	30.2	30.1	23
24		28.5	28.5	28.6	28.5	28.4	24
25			26.9	27.1	26.9	26.8	25
26			25.4	25.6	25.5	25.4	26
27				24.3	24.2	24	27
28				23.1	22.9	22.8	28
29				21.9	21.8	21.7	29
30					20.8	20.7	30
31					19.8	19.7	31
32						18.8	32
33						17.9	33
34						17.1	34
35							35
36							36
37							37
38							38
39							39
40							40
41							41
42							42
Rate	8	8	8	8	8	8	Rate
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2. The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.

SCC1800 Crawler Crane Load Charts(2/4)

(Hh Operating Condition)

Boom(m) Radius(m)	41	44	47				Boom(m) Radius(m)
8							8
9	86.5/9.56m						9
10	84.7	82/10.08m	74.9/10.6m				10
11	76.1	74.4	72.6				11
12	69	67.6	66				12
13	63	61.8	60.4				13
14	57.9	56.8	55.6				14
15	53.5	52.5	51.5				15
16	49.4	48.8	47.8				16
17	45.5	45.5	44.6				17
18	42	42	41.7				18
19	39	39	38.8				19
20	36.3	36.3	36.1				20
21	34	34	33.8				21
22	31.8	31.8	31.6				22
23	29.9	29.9	29.7				23
24	28.2	28.2	28				24
25	26.6	26.6	26.4				25
26	25.2	25.2	25				26
27	23.9	23.9	23.7				27
28	22.6	22.7	22.5				28
29	21.5	21.5	21.3				29
30	20.5	20.5	20.3				30
31	19.5	19.5	19.3				31
32	18.6	18.6	18.4				32
33	17.8	17.8	17.6				33
34	17	17	16.8				34
35	16.2	16.3	16.1				35
36	15.5	15.6	15.4				36
37	14.9	14.9	14.7				37
38		14.3	14.1				38
39		13.7	13.5				39
40			12.9				40
41			12.4				41
42			11.9				42
Rate	7	7	6				Rate
Couterweight (t)	64+20	64+20	64+20				Couterweight (t)

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.

SCC1800 Crawler Crane Load Charts(3/4)

(Hh Operating Condition)

Boom(m) Radius(m)	50	53	56	59	62	65	Boom(m) Radius(m)
11	68.6/11.12m	61.5/11.64m					11
12	64.5	60.9	55.2/12.17m	49.9/12.69m			12
13	59.1	57.8	54	49.5	44.8/13.21		13
14	54.5	53.3	52.3	48.2	43.9	40.5/13.73m	14
15	50.4	49.4	48.5	47	42.7	39.2	15
16	46.9	45.9	45.1	44.2	41.7	38.2	16
17	43.7	42.8	42.1	41.3	40.5	37.2	17
18	40.9	40.1	39.5	38.7	37.9	36.1	18
19	38.4	37.7	37.1	36.3	35.6	34.9	19
20	36	35.5	34.9	34.2	33.5	32.8	20
21	33.6	33.4	32.9	32.3	31.6	31	21
22	31.5	31.3	31.1	30.5	29.9	29.3	22
23	29.6	29.4	29.3	28.9	28.3	27.7	23
24	27.8	27.6	27.6	27.3	26.9	26.3	24
25	26.3	26	26	25.8	25.5	25	25
26	24.8	24.6	24.5	24.3	24.1	23.7	26
27	23.5	23.3	23.2	23	22.8	22.6	27
28	22.3	22.1	22	21.8	21.6	21.4	28
29	21.2	20.9	20.9	20.7	20.5	20.2	29
30	20.1	19.9	19.8	19.6	19.4	19.2	30
31	19.2	18.9	18.9	18.7	18.5	18.2	31
32	18.3	18	18	17.8	17.6	17.3	32
33	17.4	17.2	17.1	16.9	16.7	16.5	33
34	16.6	16.4	16.3	16.1	15.9	15.7	34
35	15.9	15.7	15.6	15.4	15.2	15	35
36	15.2	15	14.9	14.7	14.5	14.3	36
37	14.5	14.3	14.3	14	13.8	13.6	37
38	13.9	13.7	13.6	13.4	13.2	13	38
39	13.3	13.1	13.1	12.8	12.6	12.4	39
40	12.8	12.6	12.5	12.3	12.1	11.9	40
41	12.3	12	12	11.8	11.6	11.3	41
42	11.8	11.6	11.5	11.3	11.1	10.8	42
43	11.3	11.1	11	10.8	10.6	10.4	43
44	10.8	10.6	10.6	10.4	10.2	9.9	44
45		10.2	10.1	9.9	9.7	9.5	45
46		9.8	9.7	9.5	9.3	9.1	46
47		9.4	9.3	9.1	8.9	8.7	47
48			9	8.7	8.6	8.3	48
49			8.6	8.4	8.2	8	49
50			8.2	8	7.8	7.6	50
51				7.7	7.5	7.3	51
52				7.4	7.2	7	52
53					6.9	6.7	53
54					6.6	6.4	54
55					6.3	6.1	55
56						5.8	56
57						5.6	57
58							58
59							59
60							60
Rate	6	6	5	5	4	4	Rate
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.

SCC1800 Crawler Crane Load Charts(4/4)

(Hh Operating Condition)

Boom(m) Radius(m)	68	71					Boom(m) Radius(m)
13							13
14	36.8/14.25m						14
15	36.1	33.1/14.77m					15
16	35.1	32					16
17	34.2	31.2					17
18	33.3	30.2					18
19	32.3	29.4					19
20	31.4	28.5					20
21	30.5	27.7					21
22	28.8	26.9					22
23	27.2	26.2					23
24	25.8	25.3					24
25	24.5	24					25
26	23.3	22.8					26
27	22.2	21.7					27
28	21.1	20.7					28
29	20.1	19.7					29
30	19.1	18.8					30
31	18.1	17.9					31
32	17.2	17					32
33	16.4	16.2					33
34	15.6	15.4					34
35	14.9	14.6					35
36	14.2	13.9					36
37	13.5	13.3					37
38	12.9	12.7					38
39	12.3	12.1					39
40	11.8	11.5					40
41	11.2	11					41
42	10.7	10.5					42
43	10.3	10					43
44	9.8	9.6					44
45	9.4	9.2					45
46	9	8.8					46
47	8.6	8.4					47
48	8.2	8					48
49	7.9	7.6					49
50	7.5	7.3					50
51	7.2	7					51
52	6.9	6.6					52
53	6.6	6.3					53
54	6.3	6					54
55	6	5.8					55
56	5.7	5.5					56
57	5.5	5.2					57
58	5.2	5					58
59	5	4.7					59
60	4.7	4.5					60
61		4.3					61
62		4.1					62
63		3.8					63
Rate	4	3					Rate
Couterweight (t)	64+20	64+20					Couterweight (t)

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.

SCC1800 Crawler Crane Load Charts(1/10)

(Fixed jib condition without main hook Jib angle 10°)

Boom length	28m				31m				34m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
10m	25/10.4m				25/10.8m				25/11.3m				10m
12m	25.0	21.2/12.3m			25.0	21.2/12.8m			25.0	21.2/13.3m			12m
14m	23.5	19.7	11.6/14.3m		23.9	20.0	11.9/14.7m		24.3	20.3	11.9/15.2m		14m
16m	22.0	18.4	11.3	6.2/16.2m	22.6	18.8	11.4	6.6/16.7m	23.0	19.1	11.5	6.6/17.2m	16m
18m	20.5	17.3	10.5	6.1	21.4	17.7	10.7	6.2	21.8	18.0	10.9	6.3	18m
20m	19.2	16.3	9.9	5.8	20.3	16.6	10.1	5.9	20.7	17.0	10.3	5.9	20m
22m	18.1	15.4	9.4	5.4	19.2	15.8	9.6	5.5	19.7	16.1	9.8	5.6	22m
24m	17.1	14.5	8.9	5.1	18.2	14.9	9.1	5.1	18.7	15.3	9.3	5.2	24m
26m	16.1	13.7	8.4	4.7	17.4	14.2	8.6	4.9	17.8	14.5	8.8	5.0	26m
28m	15.2	12.5	8.0	4.5	16.4	13.3	8.2	4.6	17.0	13.8	8.3	4.7	28m
30m	14.4	11.6	7.5	4.2	15.5	12.2	7.7	4.3	16.2	12.8	8.0	4.4	30m
32m	13.7	10.7	7.2	4.0	14.7	11.3	7.3	4.1	15.3	11.8	7.5	4.2	32m
34m	13.0	10.0	6.8	3.8	13.8	10.5	7.0	3.9	14.5	11.1	7.1	3.9	34m
36m	12.3	9.3	6.4	3.6	13.0	9.8	6.6	3.6	13.7	10.3	6.9	3.7	36m
38m	11.8/37.1m	8.7	6.2	3.3	12.2	9.2	6.3	3.4	12.9	9.7	6.5	3.5	38m
40m		8.2	5.8	3.1	11.6/39.7m	8.6	6.1	3.2	12.1	9.0	6.2	3.4	40m
42m		7.7	5.6	3.0		8.1	5.7	3.1	11.5	8.5	5.9	3.2	42m
44m		7.5/42.9m	5.3	2.8		7.7	5.5	2.9	11.2/42.4m	8.1	5.7	3.0	44m
46m			5.2	2.7		7.4/45.5m	5.3	2.7		7.6	5.4	2.8	46m
48m			4.9	2.5			5.1	2.6		7.3	5.2	2.7	48m
50m			4.8/48.9m	2.4			4.9	2.5		7.1/48.1m	5.0	2.6	50m
52m				2.2			4.8/51.5m	2.3			4.8	2.5	52m
54m				2.1				2.2			4.7	2.3	54m
56m				2.1/54.6m				2.2			4.6/54.2m	2.2	56m
58m								2.1/57.2m				2.1	58m
60m												2.0/59.9m	60m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	2	2	1	1	2	2	1	1	Rate

SCC1800 Crawler Crane Load Charts(2/10)

(Fixed jib condition without main hook Jib angle 10°)

Boom length	37m				40m				43m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
10m	25/11.8m												10m
12m	25.0	21.2/13.7m			25/12.2m				25/12.7m				12m
14m	22.9	20.5	11.9/15.7m		25.0	21.2/14.2m			25.0	21.2/14.7m			14m
16m	22.0	19.4	11.6	6.7/17.6m	23.7	19.7	11.7/16.2m		24.0	19.9	11.7/16.6m		16m
18m	21.2	18.3	11.0	6.4	22.5	18.6	11.1	7.3/18.1m	22.9	18.8	11.3	6.5/18.6m	18m
20m	20.4	17.3	10.4	6.0	21.5	17.6	10.6	6.1	21.8	17.8	10.7	6.2	20m
22m	19.7	16.4	9.9	5.7	20.4	16.7	10.1	5.8	20.8	16.9	10.2	5.9	22m
24m	19.0	15.5	9.4	5.3	19.4	15.8	9.6	5.4	20.0	16.1	9.7	5.5	24m
26m	18.4	14.8	9.0	5.1	18.5	15.0	9.1	5.2	19.1	15.3	9.3	5.3	26m
28m	17.8	14.1	8.5	4.7	17.5	14.4	8.7	4.8	18.2	14.7	8.9	4.9	28m
30m	17.1	13.4	8.1	4.5	16.8	13.7	8.3	4.6	17.3	14.0	8.4	4.7	30m
32m	16.5	12.4	7.7	4.3	15.9	12.9	7.8	4.3	16.5	13.4	8.0	4.4	32m
34m	16.0	11.6	7.3	4.0	15.1	12.1	7.5	4.1	15.8	12.6	7.6	4.2	34m
36m	15.3	10.8	7.0	3.8	14.3	11.2	7.2	4.0	15.0	11.7	7.3	4.0	36m
38m	14.7	10.1	6.7	3.7	13.6	10.6	6.8	3.7	14.2	11.0	7.0	3.8	38m
40m	14.2	9.5	6.4	3.4	12.9	9.9	6.6	3.5	13.4	10.3	6.6	3.6	40m
42m	13.7	8.9	6.1	3.2	12.2	9.3	6.2	3.4	12.4	9.7	6.4	3.5	42m
44m	13.2	8.4	5.8	3.1	11.5	8.8	6.0	3.2	11.5	9.1	6.1	3.3	44m
46m	12.9/45.0m	8.0	5.6	2.9	10.8	8.3	5.7	3.0	10.7	8.7	5.9	3.1	46m
48m		7.6	5.4	2.8	9.9/47.7m	7.9	5.5	2.8	9.8	8.2	5.6	2.9	48m
50m		7.2	5.0	2.6		7.5	5.3	2.7	9.0	7.8	5.4	2.8	50m
52m		6.9/50.8m	4.8	2.5		7.1	5.1	2.6	8.7/50.3m	7.4	5.2	2.7	52m
54m			4.7	2.3		6.8/53.4m	4.9	2.5		7.0	5.0	2.6	54m
56m			4.5/56.8m	2.2			4.7	2.4		6.7/56.0m	4.8	2.4	56m
58m				2.1			4.5	2.3			4.7	2.3	58m
60m				2.0			4.3/59.4m	2.2			4.4	2.2	60m
62m				2.0/62.5m				2.0			4.3	2.1	62m
64m								1.9			4.2/62.1m	2.0	64m
66m								1.9/65.2m				2.0	66m
68m												1.9/67.8m	68m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	2	2	1	1	2	2	1	1	Rate

SCC1800 Crawler Crane Load Charts(3/10)

(Fixed jib condition without main hook Jib angle 10°)

Boom length	46m				49m				52m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
12m	25/13.2m				25/13.7m								12m
14m	25.0	20.9/15.1m			25.0	20.9/15.6m			25/14.1m				14m
16m	24.2	20.0	11.7/17.1m		24.5	20.3	11.7/17.6m		24.7	20.1/16.1m			16m
18m	23.2	19.0	11.4	6.5/19.0m	23.4	19.3	11.5	6.5/19.5m	23.6	19.5	11.5/18.0m		18m
20m	22.1	18.1	10.8	6.2	22.4	18.3	11.0	6.3	22.7	18.5	11.1	6.4/20.0m	20m
22m	21.1	17.2	10.4	5.9	21.3	17.4	10.4	6.0	21.5	17.7	10.5	6.0	22m
24m	20.1	16.3	9.8	5.6	20.2	16.6	9.9	5.7	20.6	16.8	10.0	5.7	24m
26m	19.1	15.6	9.3	5.3	19.2	15.8	9.5	5.3	19.7	16.1	9.6	5.4	26m
28m	18.2	14.9	9.0	5.0	18.3	15.2	9.1	5.1	18.9	15.4	9.2	5.2	28m
30m	17.3	14.3	8.6	4.8	17.6	14.5	8.7	4.8	18.1	14.7	8.8	4.9	30m
32m	16.4	13.6	7.9	4.5	16.8	13.9	8.3	4.6	17.3	14.1	8.4	4.7	32m
34m	15.6	13.1	7.8	4.3	16.0	13.3	8.0	4.4	16.5	13.5	8.1	4.4	34m
36m	14.7	12.2	7.4	4.1	15.3	12.6	7.6	4.1	15.9	13.0	7.7	4.2	36m
38m	13.9	11.4	7.2	3.9	14.5	11.9	7.2	4.0	14.4	12.3	7.4	4.1	38m
40m	13.0	10.7	6.8	3.7	13.4	11.1	7.0	3.8	13.1	11.5	7.0	3.8	40m
42m	12.2	10.1	6.5	3.5	12.2	10.5	6.7	3.6	12.0	10.9	6.8	3.7	42m
44m	11.3	9.5	6.3	3.3	11.2	9.9	6.4	3.4	10.9	10.2	6.5	3.5	44m
46m	10.4	9.0	6.0	3.2	10.2	9.4	6.1	3.3	10.0	9.7	6.2	3.4	46m
48m	9.5	8.5	5.8	3.0	9.4	8.8	5.8	3.1	9.1	9.1	6.0	3.1	48m
50m	8.8	8.1	5.5	2.9	8.6	8.4	5.7	2.9	8.4	8.7	5.7	3.0	50m
52m	8.1	7.7	5.3	2.7	8.0	8.0	5.4	2.8	7.7	8.0	5.5	2.9	52m
54m	7.8/53.0m	7.3	5.1	2.6	7.3	7.6	5.2	2.7	7.1	7.4	5.3	2.8	54m
56m		7.0	4.9	2.5	6.8/55.6m	7.0	5.0	2.6	6.6	6.8	5.1	2.7	56m
58m		6.6	4.7	2.4		6.5	4.8	2.5	6.0	6.3	4.9	2.5	58m
60m		6.4/58.7m	4.6	2.3		6.0	4.6	2.4	5.8/58.3m	5.8	4.8	2.4	60m
62m			4.4	2.2		5.7/61.4m	4.5	2.2		5.3	4.5	2.3	62m
64m			4.3	2.1			4.3	2.1		5.0/64.0m	4.4	2.2	64m
66m			4.2/64.7m	2.0			4.2	2.0			4.2	2.1	66m
68m				1.9			4.0/67.3m	2.0			4.1	2.0	68m
70m				1.8				1.9			3.9/70.0m	1.9	70m
72m				1.8/70.4m				1.8				1.8	72m
74m								1.8/73.1m				1.7	74m
76m												1.7/75.7m	76m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	2	2	1	1	2	2	1	1	Rate

SCC1800 Crawler Crane Load Charts(4/10)

(Fixed jib condition without main hook Jib angle 10°)

Boom length	55m				58m				61m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
14m	25/14.6m				26/15.1m				26/15.5m				14m
16m	25.0	20.6/16.5m			25.0	20.6/17.0m			25.0	20.6/17.5m			16m
18m	23.9	19.7	11.5/18.5m		24.1	19.9	11.4/19.0m		24.3	20.0	11.5/19.4m		18m
20m	22.9	18.8	11.1	6.4/20.5m	23.1	18.9	11.2	6.4/20.9m	23.3	19.1	11.3	6.4/21.4m	20m
22m	21.9	17.9	10.6	6.1	22.1	18.0	10.7	6.1	22.5	18.2	10.8	6.2	22m
24m	21.0	17.1	10.2	5.8	21.1	17.3	10.3	5.9	21.4	17.4	10.4	5.9	24m
26m	20.0	16.3	9.7	5.5	20.3	16.5	9.8	5.5	20.6	16.7	9.9	5.6	26m
28m	19.2	15.6	9.3	5.3	19.5	15.8	9.4	5.3	19.7	16.0	9.6	5.4	28m
30m	18.4	15.0	8.9	5.0	18.7	15.1	9.1	5.0	18.9	15.3	9.2	5.1	30m
32m	17.6	14.3	8.6	4.8	17.9	14.6	8.7	4.8	18.1	14.7	8.8	4.9	32m
34m	16.9	13.8	8.2	4.5	17.0	13.9	8.3	4.6	16.9	14.1	8.4	4.6	34m
36m	15.6	13.2	7.8	4.3	15.4	13.4	7.9	4.4	15.2	13.5	8.1	4.5	36m
38m	14.2	12.7	7.5	4.1	13.9	12.9	7.6	4.1	13.7	13.1	7.7	4.2	38m
40m	12.9	11.9	7.2	3.9	12.6	12.3	7.3	4.0	12.5	12.6	7.4	4.1	40m
42m	11.7	11.2	6.9	3.8	11.5	11.6	7.0	3.8	11.3	11.7	7.2	3.9	42m
44m	10.7	10.6	6.7	3.6	10.5	10.8	6.7	3.6	10.3	10.7	6.8	3.7	44m
46m	9.8	10.0	6.3	3.4	9.5	9.9	6.5	3.5	9.4	9.8	6.6	3.5	46m
48m	9.0	9.2	6.1	3.2	8.7	9.1	6.2	3.3	8.5	8.9	6.3	3.4	48m
50m	8.2	8.5	5.9	3.1	8.0	8.2	6.0	3.2	7.8	8.2	6.1	3.2	50m
52m	7.5	7.8	5.6	3.0	7.3	7.6	5.7	3.0	7.2	7.5	5.9	3.1	52m
54m	6.9	7.2	5.4	2.8	6.7	7.0	5.5	2.9	6.5	6.8	5.6	3.0	54m
56m	6.3	6.6	5.2	2.7	6.1	6.4	5.3	2.8	6.0	6.3	5.4	2.8	56m
58m	5.8	6.1	5.0	2.6	5.6	5.9	5.1	2.6	5.5	5.8	5.2	2.7	58m
60m	5.4	5.6	4.8	2.5	5.1	5.4	4.9	2.5	5.0	5.2	5.0	2.6	60m
62m	5.1/60.9m	5.1	4.7	2.4	4.7	4.9	4.7	2.4	4.5	4.8	4.8	2.4	62m
64m		4.8	4.5	2.3	4.4/63.5m	4.5	4.6	2.3	4.2	4.4	4.7	2.3	64m
66m		4.4	4.3	2.2		4.2	4.4	2.2	3.8	4.1	4.4	2.3	66m
68m		4.2/66.6m	4.2	2.0		3.8	4.1	2.1	3.7/66.2m	3.7	4.0	2.2	68m
70m			4.0	1.9		3.6/69.3m	3.8	2.0		3.4	3.6	2.1	70m
72m			3.7	1.9			3.5	1.9		3.1/71.9m	3.4	2.0	72m
74m			3.5/72.6m	1.8			3.2	1.9			3.1	1.9	74m
76m				1.7			3.0/75.3m	1.8			2.8	1.8	76m
78m				1.7				1.7		2.6/77.9m	1.7		78m
80m				1.6/78.4m				1.6				1.7	80m
82m								1.6/81.0m				1.6	82m
84m												1.6/83.6m	84m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	2	2	1	1	2	2	1	1	Rate

SCC1800 Crawler Crane Load Charts(5/10)

(Fixed jib condition without main hook Jib angle 10°)

Boom length	64m				67m				70m				Boom length		
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)		
16m	25/16.0m				25.6/16.5m				25.6/16.9m				16m		
18m	24.5	20.4/18.0m		11.5/19.9m		24.7	20.4/18.4m		24.9	20.4/18.9m			18m		
20m	23.5	19.2	11.3	6.3/21.7m		23.7	19.4	11.4/20.4m		23.9	19.6	11.4/20.8m		20m	
22m	22.6	18.4	10.9	6.2	22.8	18.6	11.0	6.32/22.3m		23.0	18.8	11.0	6.2/22.8m		22m
24m	21.8	17.6	10.5	6.0	21.9	17.8	10.6	6.0	22.1	18.0	10.6	6.1	24m		
26m	20.9	16.9	10.1	5.7	21.2	17.1	10.1	5.7	21.4	17.2	10.1	5.8	26m		
28m	20.2	16.1	9.7	5.4	20.3	16.3	9.7	5.4	20.5	16.5	9.7	5.5	28m		
30m	19.4	15.6	9.3	5.2	19.4	15.7	9.3	5.2	19.9	15.9	9.3	5.3	30m		
32m	18.5	14.9	8.9	4.9	18.2	15.1	8.9	5.0	17.8	15.2	9.0	5.0	32m		
34m	16.6	14.3	8.6	4.7	16.4	14.5	8.6	4.8	16.1	14.7	8.6	4.8	34m		
36m	15.0	13.8	8.2	4.5	14.7	14.0	8.3	4.5	14.5	14.1	8.3	4.6	36m		
38m	13.5	13.3	7.9	4.3	13.3	13.4	8.0	4.4	13.0	13.4	8.1	4.4	38m		
40m	12.2	12.6	7.5	4.1	12.0	12.4	7.6	4.2	11.8	12.2	7.7	4.2	40m		
42m	11.1	11.4	7.2	3.9	10.9	11.3	7.3	4.0	10.6	11.0	7.4	4.0	42m		
44m	10.1	10.5	7.0	3.8	9.8	10.2	7.1	3.8	9.6	10.0	7.1	3.9	44m		
46m	9.1	9.5	6.7	3.6	8.9	9.3	6.8	3.7	8.7	9.1	6.9	3.7	46m		
48m	8.3	8.7	6.4	3.4	8.2	8.5	6.5	3.5	7.9	8.2	6.6	3.5	48m		
50m	7.6	7.9	6.2	3.3	7.4	7.7	6.3	3.4	7.1	7.5	6.3	3.4	50m		
52m	6.9	7.2	5.9	3.2	6.7	7.0	6.0	3.2	6.5	6.8	6.1	3.3	52m		
54m	6.3	6.6	5.7	3.0	6.1	6.4	5.8	3.1	5.9	6.2	5.9	3.1	54m		
56m	5.7	6.1	5.5	2.9	5.6	5.9	5.6	2.9	5.3	5.7	5.7	3.0	56m		
58m	5.3	5.5	5.3	2.7	5.1	5.3	5.4	2.8	4.9	5.1	5.5	2.9	58m		
60m	4.8	5.0	5.1	2.6	4.6	4.8	5.2	2.7	4.4	4.6	5.0	2.8	60m		
62m	4.4	4.6	4.9	2.5	4.2	4.4	4.8	2.6	4.0	4.2	4.6	2.6	62m		
64m	3.9	4.2	4.5	2.4	3.8	4.0	4.4	2.5	3.6	3.8	4.2	2.5	64m		
66m	3.6	3.9	4.2	2.3	3.4	3.7	4.0	2.3	3.2	3.5	3.8	2.4	66m		
68m	3.3	3.5	3.8	2.2	3.1	3.4	3.7	2.2	2.9	3.2	3.5	2.3	68m		
70m	3.1/68.8m		3.2	3.5	2.1	2.8	3.0	3.3	2.1	2.6	2.9	3.2	2.2	70m	
72m		2.9	3.2	2.0	2.7/71.5m		2.7	3.0	2.1	2.3	2.6	2.9	2.1	72m	
74m		2.7	2.9	1.9		2.5	2.7	2.0	2.1	2.3	2.6	2.0	74m		
76m		2.5/74.6m		2.7	1.9		2.2	2.5	1.9	2.0/74.1m		2.0	2.3	1.9	76m
78m			2.4	1.8		2.1/77.2m		2.3	1.8		1.8	2.1	1.8	78m	
80m			2.2	1.7			2.1	1.7		1.6/79.8m		1.9	1.8	80m	
82m			2.1/80.5m		1.6		1.9	1.6			1.7	1.7	82m		
84m				1.6			1.7/83.2m		1.6		1.5	1.6	84m		
86m				1.5				1.5		1.4/85.8m		1.5	86m		
88m			1.5/86.3m					1.5				1.3	88m		
90m								1.4/88.9m				1.2	90m		
92m												1.0/91.6m	92m		
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)		
Rate	2	2	1	1	2	2	1	1	2	2	1	1	Rate		

SCC1800 Crawler Crane Load Charts(6/10)

(Fixed jib condition without main hook Jib angle30°)

Boom length	28m				31m				34m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
14m	18.9/14.3m				18.9/14.8m				18.9/15.3m				14m
16m	17.8				18.0				18.1				16m
18m	16.9	12.7/18.1m			17.2	12.7/18.6m			17.4	12.7/19.0m			18m
20m	15.6	12.5	7.7/21.9m		16.1	12.5			16.4	12.5			20m
22m	14.6	12.0	7.5		15.0	12.1	7.6/23.3m		15.4	12.3	7.6/23.3m		22m
24m	13.7	11.4	7.1	3.8/25.6m	14.1	11.7	7.2	3.8	14.5	11.7	7.2		24m
26m	12.9	10.7	6.8	3.7	13.3	11.0	6.9	3.8/26.1m	13.7	11.2	6.9	3.8/26.6m	26m
28m	12.2	10.0	6.5	3.5	12.6	10.3	6.6	3.5	13.0	10.5	6.7	3.6	28m
30m	11.6	9.4	6.2	3.3	11.9	9.7	6.3	3.4	12.3	9.9	6.3	3.4	30m
32m	11.0	8.9	6.0	3.2	11.4	9.1	6.0	3.2	11.8	9.4	6.1	3.2	32m
34m	10.7	8.4	5.7	2.9	10.9	8.6	5.8	3.0	11.2	8.9	5.9	3.0	34m
36m	10.3	8.0	5.5	2.8	10.5	8.3	5.5	2.9	10.7	8.5	5.6	2.9	36m
38m	9.9/37.8m	7.6	5.3	2.7	10.2	7.9	5.4	2.7	10.3	8.1	5.4	2.8	38m
40m		7.4	5.0	2.6	9.9	7.5	5.1	2.6	10.0	7.7	5.2	2.6	40m
42m		7.1	4.9	2.4	9.7/40.5m	7.2	5.0	2.4	9.8	7.4	5.0	2.5	42m
44m		6.9	4.8	2.3		7.0	4.8	2.4	9.8/43.1m	7.1	4.9	2.4	44m
46m		6.8/44.2m	4.6	2.2		6.8	4.6	2.3		6.9	4.7	2.3	46m
48m			4.6	2.1		6.7/46.9m	4.6	2.2		6.7	4.6	2.2	48m
50m			4.5	2.1			4.5	2.1		6.6/49.5m	4.5	2.1	50m
52m			4.4/50.3m	2.0			4.4	2.0			4.4	2.0	52m
54m				1.9			4.4/53.0m	1.9			4.3	2.0	54m
56m				1.9				1.9			4.3/55.6m	1.9	56m
58m				1.8/56.4m				1.8				1.8	58m
60m								1.8/59.1m				1.8	60m
62m												1.8/61.7m	62m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	1	1	1	2	1	1	1	2	1	1	1	Rate

SCC1800 Crawler Crane Load Charts(7/10)

(Fixed jib condition without main hook Jib angle30°)

Boom length	37m				40m				43m				Boom length	
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)	
14m	18.9/15.7m												14m	
16m	18.3				18.5/16.2m				18.5/16.7m				16m	
18m	17.6	12.7/19.5m			17.7				17.9				18m	
20m	16.8	12.5			17.1	12.5/20.0m			17.3	12.5/20.0m			20m	
22m	15.8	12.4	7.6/23.3m		16.0	12.4	7.6/23.3m		16.4	12.4			22m	
24m	14.8	11.8	7.3		15.2	11.9	7.3		15.4	12.0	7.4/24.3m		24m	
26m	14.0	11.4	7.0		14.3	11.6	7.0		14.6	11.7	7.1		26m	
28m	13.3	10.8	6.7		13.6	11.0	6.8		13.9	11.2	6.8		28m	
30m	12.6	10.2	6.4		12.9	10.4	6.5		13.2	10.6	6.6		30m	
32m	12.0	9.6	6.1		12.4	9.9	6.2		12.6	10.1	6.3		32m	
34m	11.5	9.1	6.0		11.7	9.3	6.0		12.0	9.6	6.0		34m	
36m	11.0	8.7	5.7		11.2	8.9	5.8		11.5	9.1	5.9		36m	
38m	10.6	8.3	5.5		10.8	8.5	5.5		11.1	8.7	5.6		38m	
40m	10.2	7.9	5.3		10.4	8.1	5.4		10.6	8.3	5.4		40m	
42m	9.9	7.6	5.1		10.1	7.8	5.2		10.2	8.0	5.3		42m	
44m	9.6	7.3	5.0		9.8	7.4	5.0		9.9	7.6	5.1		44m	
46m	9.4/45.8m		7.0	4.8	9.4	7.2	4.9		9.6	7.3	4.9		46m	
48m		6.8	4.6		9.3	6.9	4.7		9.3	7.0	4.8		48m	
50m		6.6	4.5		9.1/48.4m		6.7	4.6	9.1	6.8	4.6		50m	
52m		6.4	4.4			6.5	4.4		8.6/51.0m		6.6	4.5	52m	
54m		6.3/52.2m		4.3		6.3	4.3			6.4	4.3		54m	
56m			4.3			6.2/54.8m		4.3	2.0		6.2	4.3		56m
58m			4.2				4.2			6.1/57.4m		4.2	1.9	58m
60m			4.1/58.3m		1.8		4.1				4.1		1.9	60m
62m			1.8				4.0/60.9m		1.8		4.0		1.8	62m
64m			1.7				1.7				4.0/63.5m		1.7	64m
66m			1.7/64.4m				1.7				1.7		1.7	66m
68m							1.7/67.0m				1.7		1.7	68m
70m											1.6/69.6m		1.6	70m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	2	1	1	1	2	1	1	1	2	1	1	1	Rate	

SCC1800 Crawler Crane Load Charts(8/10)

(Fixed jib condition without main hook Jib angle30°)

Boom length	46m				49m				52m				Boom length	
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)	
16m	18.5/17.1m				18.5/17.6m					18.3/18.1m				16m
18m	18.0				18.1				18.3/18.1m					18m
20m	17.4	12.5/20.9m			17.5	12.5/21.4m			17.6	12.5/21.8m				20m
22m	16.7	12.4			16.9	12.4			16.9	12.4				22m
24m	15.7	12.1	7.4/24.7m		16.0	12.2	7.4/25.2m		16.3	12.2	7.4/25.6m			24m
26m	14.9	11.8	7.1		15.1	11.8	7.2		15.4	11.8	7.2			26m
28m	14.1	11.3	6.8	3.7/28.5m	14.4	11.4	6.9	3.7/28.9m	14.7	11.5	6.9	3.7/29.4m		28m
30m	13.5	10.8	6.6	3.5	13.7	11.0	6.7	3.5	14.0	11.2	6.7	3.5		30m
32m	12.9	10.2	6.4	3.3	13.1	10.4	6.4	3.4	13.4	10.6	6.5	3.4		32m
34m	12.2	9.7	6.1	3.2	12.5	9.9	6.2	3.2	12.8	10.1	6.2	3.3		34m
36m	11.7	9.3	5.9	3.1	12.0	9.4	5.9	3.1	12.2	9.7	6.0	3.1		36m
38m	11.3	8.9	5.7	2.9	11.5	9.0	5.8	2.9	11.7	9.2	5.8	3.0		38m
40m	10.8	8.5	5.5	2.8	11.0	8.6	5.5	2.8	11.3	8.8	5.6	2.9		40m
42m	10.5	8.1	5.3	2.7	10.6	8.3	5.4	2.7	10.8	8.4	5.4	2.8		42m
44m	10.1	7.7	5.1	2.6	10.2	7.9	5.2	2.6	10.5	8.1	5.3	2.6		44m
46m	9.8	7.5	5.0	2.4	9.9	7.6	5.0	2.5	10.1	7.8	5.1	2.5		46m
48m	9.4	7.2	4.8	2.4	9.6	7.3	4.9	2.4	9.4	7.5	4.9	2.4		48m
50m	8.9	6.9	4.6	2.3	8.8	7.1	4.7	2.3	8.6	7.1	4.8	2.4		50m
52m	8.2	6.7	4.6	2.2	8.1	6.8	4.6	2.2	7.9	6.9	4.6	2.2		52m
54m	7.6/53.7m	6.5	4.4	2.1	7.4	6.5	4.4	2.1	7.2	6.7	4.5	2.1		54m
56m		6.3	4.3	2.0	6.8	6.3	4.3	2.0	6.6	6.4	4.3	2.1		56m
58m		6.1	4.2	2.0	6.6/56.3m	6.2	4.2	2.0	6.1	6.2	4.2	2.0		58m
60m		6.0	4.1	1.9		6.0	4.1	1.9	5.8/59.0m	6.0	4.1	1.9		60m
62m		5.9/60.1m	4.0	1.8		5.7	4.0	1.8		5.5	4.0	1.8		62m
64m			3.9	1.7		5.5/62.7m	3.9	1.8		5.1	3.9	1.8		64m
66m			3.9	1.7			3.9	1.7		4.8/65.4m	3.8	1.8		66m
68m			3.8/66.2m	1.7			3.8	1.7			3.7	1.7		68m
70m				1.6			3.7/68.8m	1.6			3.6	1.6		70m
72m				1.6				1.6			3.6/71.5m	1.6		72m
74m				1.6/72.3m				1.6				1.6		74m
76m								1.5/74.9m				1.5		76m
78m												1.5/77.6m		78m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	1	1	1	2	1	1	1	2	1	1	1	1	Rate

SCC1800 Crawler Crane Load Charts(9/10)

(Fixed jib condition without main hook Jib angle30°)

Boom length	55m				58m				61m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
18m	18.3/18.5m				18.3/19.0m				18.3/19.5m				18m
20m	17.6				17.7				17.8				20m
22m	17.0	12.3/22.3m			17.1	12.3/22.8m			17.2	12.3/23.3m			22m
24m	16.4	12.2			16.6	12.2			16.7	12.2			24m
26m	15.7	11.9	7.3/26.1m		15.8	12.0	7.4/26.6m		16.1	12.0	7.3/27.0m		26m
28m	14.9	11.6	7.0	3.7/29.9m	15.1	11.7	7.0		15.4	11.7	7.1		28m
30m	14.2	11.2	6.7	3.5	14.4	11.2	6.8	3.6/30.3m	14.6	11.3	6.8	3.6/30.8m	30m
32m	13.5	10.7	6.5	3.4	13.8	10.9	6.6	3.4	14.0	11.0	6.6	3.5	32m
34m	13.0	10.2	6.3	3.3	13.2	10.4	6.3	3.3	13.4	10.6	6.4	3.3	34m
36m	12.5	9.7	6.0	3.1	12.6	9.9	6.1	3.1	12.8	10.1	6.1	3.1	36m
38m	12.0	9.4	5.9	3.0	12.1	9.5	5.9	3.0	12.3	9.7	5.9	3.1	38m
40m	11.4	9.0	5.7	2.9	11.6	9.1	5.7	2.9	11.8	9.2	5.8	3.0	40m
42m	11.0	8.6	5.4	2.8	11.2	8.7	5.5	2.8	11.3	8.8	5.6	2.8	42m
44m	10.6	8.2	5.3	2.6	10.8	8.4	5.3	2.7	10.6	8.5	5.4	2.7	44m
46m	10.1	7.9	5.1	2.5	9.8	8.0	5.2	2.6	9.7	8.2	5.2	2.6	46m
48m	9.1	7.6	4.9	2.5	9.0	7.7	5.0	2.5	8.8	7.9	5.0	2.5	48m
50m	8.4	7.3	4.8	2.4	8.2	7.4	4.9	2.4	8.1	7.5	4.9	2.4	50m
52m	7.7	7.0	4.6	2.2	7.5	7.2	4.7	2.3	7.4	7.2	4.8	2.3	52m
54m	7.0	6.8	4.5	2.2	6.8	6.9	4.5	2.2	6.8	7.0	4.6	2.2	54m
56m	6.4	6.6	4.4	2.1	6.3	6.6	4.4	2.2	6.1	6.7	4.5	2.2	56m
58m	5.9	6.3	4.2	2.1	5.7	6.2	4.3	2.1	5.6	6.1	4.3	2.1	58m
60m	5.4	5.8	4.2	1.9	5.2	5.7	4.2	1.9	5.1	5.6	4.2	2.0	60m
62m	5.1/61.6m	5.4	4.0	1.9	4.7	5.2	4.1	1.9	4.7	5.1	4.1	1.9	62m
64m		5.0	3.9	1.8	4.3	4.8	3.9	1.9	4.3	4.7	4.0	1.9	64m
66m		4.6	3.8	1.8	4.2/64.2m	4.4	3.9	1.8	3.9	4.3	3.9	1.8	66m
68m		4.1/68.0m	3.7	1.7		4.0	3.7	1.7	3.7/66.9m	3.9	3.8	1.7	68m
70m			3.6	1.6		3.6	3.6	1.7		3.6	3.6	1.7	70m
72m			3.6	1.6		3.5/70.6m	3.6	1.6		3.3	3.5	1.6	72m
74m			3.5	1.6			3.3	1.6		3.0/73.3m	3.2	1.6	74m
76m			3.4/74.1m	1.5			3.0	1.5			2.9	1.5	76m
78m				1.5			2.9/76.7m	1.5			2.7	1.5	78m
80m				1.5				1.5			2.5/79.4m	1.5	80m
82m				1.4/80.2m				1.4				1.4	82m
84m								1.4/82.8m				1.4	84m
86m												1.4/85.5m	86m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	1	1	1	2	1	1	1	2	1	1	1	Rate

SCC1800 Crawler Crane Load Charts(10/10)

(Fixed jib condition without main hook Jib angle30°)

Boom length	64m				67m				70m				Boom length
Jib(m) Radius(m)	13m	19m	25m	31m	13m	19m	25m	31m	13m	19m	25m	31m	Jib(m) Radius(m)
20m	18.0/20.0m				17.9/20.4m				17.9/20.9m				20m
22m	17.3	12.3/23.7m			17.4				17.5				22m
24m	16.8	12.2			16.9	12.2/24.2m			17.0	12.2/24.7m			24m
26m	16.3	12.0	7.3/27.5m		16.4	12.0			16.5	12.0			26m
28m	15.5	11.8	7.1		15.7	11.8	7.2/28.0m		15.9	11.8	7.2/28.4m		28m
30m	14.9	11.4	6.8	3.6/31.3m	15.0	11.5	6.9	3.6/31.7m	15.2	11.5	6.9		30m
32m	14.2	11.1	6.6	3.5	14.4	11.1	6.6	3.5	14.6	11.2	6.7	3.5/32.2m	32m
34m	13.6	10.7	6.4	3.4	13.8	10.8	6.5	3.4	13.9	10.8	6.5	3.4	34m
36m	13.1	10.2	6.2	3.2	13.2	10.3	6.2	3.2	13.4	10.5	6.3	3.2	36m
38m	12.5	9.8	6.0	3.1	12.7	9.9	6.0	3.1	12.9	10.1	6.1	3.1	38m
40m	12.0	9.4	5.8	3.0	12.2	9.5	5.8	3.0	12.2	9.6	5.8	3.0	40m
42m	11.5	9.0	5.6	2.8	11.3	9.1	5.7	2.8	11.0	9.2	5.7	2.9	42m
44m	10.5	8.6	5.4	2.7	10.2	8.8	5.5	2.8	10.0	8.8	5.5	2.8	44m
46m	9.4	8.3	5.3	2.6	9.3	8.4	5.3	2.7	9.1	8.5	5.3	2.7	46m
48m	8.6	7.9	5.1	2.5	8.5	8.1	5.2	2.5	8.2	8.2	5.2	2.5	48m
50m	7.9	7.7	4.9	2.4	7.7	7.8	5.0	2.4	7.4	7.9	5.0	2.5	50m
52m	7.2	7.4	4.8	2.3	6.9	7.5	4.8	2.4	6.7	7.4	4.8	2.4	52m
54m	6.5	7.1	4.6	2.3	6.3	7.0	4.7	2.3	6.1	6.8	4.7	2.3	54m
56m	5.9	6.5	4.5	2.2	5.8	6.3	4.5	2.2	5.5	6.1	4.6	2.2	56m
58m	5.4	6.0	4.4	2.1	5.2	5.8	4.4	2.1	5.0	5.6	4.5	2.1	58m
60m	4.9	5.4	4.2	2.0	4.8	5.2	4.3	2.0	4.5	5.1	4.3	2.1	60m
62m	4.5	4.9	4.2	2.0	4.3	4.8	4.2	2.0	4.1	4.6	4.2	2.0	62m
64m	4.1	4.5	4.0	1.9	3.9	4.4	4.0	1.9	3.7	4.2	4.1	1.9	64m
66m	3.7	4.1	3.9	1.8	3.5	4.0	3.9	1.8	3.4	3.8	3.9	1.8	66m
68m	3.4	3.7	3.8	1.7	3.2	3.6	3.8	1.8	3.0	3.4	3.8	1.8	68m
70m	3.1/69.5m	3.4	3.7	1.7	2.9	3.3	3.6	1.7	2.7	3.1	3.4	1.8	70m
72m		3.1	3.4	1.7	2.6	3.0	3.3	1.7	2.4	2.8	3.1	1.7	72m
74m		2.8	3.1	1.6	2.5/72.2m	2.7	3.0	1.6	2.2	2.5	2.8	1.6	74m
76m		2.5/75.9m	2.8	1.5		2.4	2.7	1.5	2.0/74.8m	2.2	2.5	1.6	76m
78m			2.6	1.5		2.2	2.4	1.5		2.0	2.3	1.5	78m
80m			2.3	1.5		2.1/78.6m	2.2	1.5		1.8	2.0	1.5	80m
82m			2.1/82.0m	1.4			2.0	1.4		1.7/81.2m	1.8	1.4	82m
84m				1.4			1.8	1.4			1.6	1.4	84m
86m				1.4			1.7/84.7m	1.4			1.4	1.4	86m
88m				1.3				1.3			1.3/87.3m	1.3	88m
90m				1.3/88.1m				1.3				1.3	90m
92m								1.2/90.8m				1.1	92m
94m												1.0/93.4m	94m
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	1	1	1	2	1	1	1	2	1	1	1	Rate

SCC1800 Load Charts of Crawler Crane

(FLM-Load Charts of Main Hook for Fixed Jib Condition 31m jib30 °)

Unit: t

Boom (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Boom(m) Radius(m)
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	121.3/6.7m	111.3/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	116.4	111.3	101/7.8m	88.2/8.4m	---	---	---	---	8
9	---	---	---	---	99.4	96.4	93.4	88.2	87.8/8.8m	77.8/9.3m	---	---	9
10	---	---	---	---	86.7	84.1	81.8	79.4	77.1	74.9	66.6/9.8m	64.5/10.4m	10
11	---	---	---	---	75.9	74.1	72.3	70.3	68.4	66.5	64.9	63.1	11
12	---	---	---	---	65.9	65.9	64.5	62.8	61.2	59.6	58.2	56.7	12
13	---	---	---	---	57.9	57.9	57.9	56.6	55.1	53.7	52.5	51.2	13
14	---	---	---	---	51.3	51.3	51.3	51.2	50.0	48.7	47.7	46.5	14
15	---	---	---	---	43.3	43.3	43.3	43.3	45.5	44.4	43.5	42.4	15
16	---	---	---	---	41.4	41.4	41.4	41.4	41.3	40.6	39.8	38.8	16
17	---	---	---	---	37.4	37.4	37.4	37.4	37.4	37.2	36.6	35.7	17
18	---	---	---	---	32.8	32.8	32.8	32.8	33.9	33.7	33.7	32.8	18
19	---	---	---	---	31.1	31.1	31.1	31.0	30.9	30.7	30.7	30.3	19
20	---	---	---	---	28.5	28.4	28.4	28.4	28.2	28.1	28.0	27.9	20
22	---	---	---	---	24.0	23.9	23.9	23.9	23.7	23.6	23.5	23.4	22
24	---	---	---	---	20.4	20.3	20.3	20.2	20.1	19.9	19.9	19.7	24
26	---	---	---	---	16.8/25.9m	17.2	17.2	17.2	17.1	16.9	16.9	16.7	26
28	---	---	---	---	---	14.7	14.7	14.7	14.6	14.4	14.4	14.2	28
30	---	---	---	---	---	13.9/28.5m	12.7	12.5	12.4	12.2	12.2	12.0	30
32	---	---	---	---	---	---	11.4/31.1m	10.6	10.5	10.4	10.3	10.2	32
34	---	---	---	---	---	---	---	9.4/33.7m	8.9	8.7	8.7	8.5	34
36	---	---	---	---	---	---	---	---	7.4	7.3	7.3	7.1	36
38	---	---	---	---	---	---	---	---	6.8/36.3m	6.0	6.0	5.8	38
40	---	---	---	---	---	---	---	---	---	4.8/38.9m	4.9	4.7	40
42	---	---	---	---	---	---	---	---	---	---	3.6/41.5m	3.7	42
44	---	---	---	---	---	---	---	---	---	---	---	2.7	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 31m jib30 °)

Unit: t

Boom (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Boom(m) Radius(m)
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	54.3/10.9m	53.9/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	54.4	53.8	52.4	42.2/12.4m	---	---	---	---	---	---	---	---	12
13	49.9	48.6	47.5	42.2	41.7	37.4/13.5m	---	---	---	---	---	---	13
14	45.3	44.2	43.2	42.1	40.4	36.4	33.1	---	---	---	---	---	14
15	41.4	40.3	39.5	38.5	37.5	35.3	32.0	---	---	---	---	---	15
16	37.9	36.9	36.1	35.2	34.4	33.5	31.0	---	---	---	---	---	16
17	34.8	33.9	33.2	32.4	31.5	30.7	30.0	---	---	---	---	---	17
18	32.1	31.2	30.6	29.8	29.0	28.3	27.6	---	---	---	---	---	18
19	29.6	28.8	28.2	27.5	26.8	26.0	25.4	---	---	---	---	---	19
20	27.4	26.6	26.1	25.4	24.7	24.0	23.5	---	---	---	---	---	20
22	23.2	22.9	22.4	21.7	21.1	20.5	20.0	---	---	---	---	---	22
24	19.6	19.4	19.3	18.7	18.1	17.5	17.1	---	---	---	---	---	24
26	16.5	16.3	16.3	16.1	15.6	15.0	14.6	---	---	---	---	---	26
28	14.0	13.8	13.7	13.5	13.3	12.8	12.5	---	---	---	---	---	28
30	11.8	11.6	11.6	11.4	11.2	10.9	10.6	---	---	---	---	---	30
32	10.0	9.8	9.7	9.5	9.3	9.1	8.9	---	---	---	---	---	32
34	8.4	8.1	8.1	7.9	7.7	7.5	7.3	---	---	---	---	---	34
36	6.9	6.7	6.6	6.4	6.2	6.0	5.9	---	---	---	---	---	36
38	5.7	5.4	5.4	5.2	5.0	4.7	4.6	---	---	---	---	---	38
40	4.5	4.3	4.2	4.0	3.8	3.6	3.5	---	---	---	---	---	40
42	3.5	3.3	3.2	3.0	2.8	2.6	2.5	---	---	---	---	---	42
44	2.6	2.4	2.3	2.1	1.9	1.7	1.6	---	---	---	---	---	44
46	1.7	1.5	1.5	1.2	1.1	---	---	---	---	---	---	---	46
48	1.1/47.1m	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 31m jib10 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
6	—	—	—	—	—	—	—	—	—	—	—	—	6
7	—	—	—	—	123.9/6.7m	113.9/7.2m	—	—	—	—	—	—	7
8	—	—	—	—	119.0	113.9	103.6/7.8m	90.8/8.4m	—	—	—	—	8
9	—	—	—	—	102.0	99.0	96.0	90.8	90.4/8.8m	80.4/9.3m	—	—	9
10	—	—	—	—	89.3	86.7	84.4	82.0	79.7	77.5	68.8/9.8m	67.1/10.4m	10
11	—	—	—	—	78.5	76.7	74.9	72.9	71.0	69.1	67.5	65.7	11
12	—	—	—	—	68.5	68.5	67.1	65.4	63.8	62.2	60.8	59.3	12
13	—	—	—	—	60.5	60.5	60.5	59.2	57.7	56.3	55.1	53.8	13
14	—	—	—	—	53.9	53.9	53.9	53.8	52.6	51.3	50.3	49.1	14
15	—	—	—	—	45.9	45.9	45.9	45.9	48.1	47.0	46.1	45.0	15
16	—	—	—	—	44.0	44.0	44.0	44.0	43.9	43.2	42.4	41.4	16
17	—	—	—	—	40.0	40.0	40.0	40.0	40.0	39.8	39.2	38.3	17
18	—	—	—	—	35.4	35.4	35.4	35.4	36.5	36.3	36.3	35.4	18
19	—	—	—	—	33.7	33.7	33.7	33.6	33.5	33.3	33.3	32.9	19
20	—	—	—	—	31.1	31.0	31.0	31.0	30.8	30.7	30.6	30.5	20
22	—	—	—	—	26.6	26.5	26.5	26.5	26.3	26.2	26.1	26.0	22
24	—	—	—	—	23.0	22.9	22.9	22.8	22.7	22.5	22.5	22.3	24
26	—	—	—	—	19.4/25.9m	19.8	19.8	19.8	19.7	19.5	19.5	19.3	26
28	—	—	—	—	—	17.3	17.3	17.3	17.2	17.0	17.0	16.8	28
30	—	—	—	—	—	16.5/28.5m	15.3	15.1	15.0	14.8	14.8	14.6	30
32	—	—	—	—	—	—	14/31.1m	13.2	13.1	13.0	12.9	12.8	32
34	—	—	—	—	—	—	—	11/33.7m	11.5	11.3	11.3	11.1	34
36	—	—	—	—	—	—	—	—	10.0	9.9	9.9	9.7	36
38	—	—	—	—	—	—	—	—	9.4/36.3m	8.6	8.6	8.4	38
40	—	—	—	—	—	—	—	—	—	7.4/38.9m	7.5	7.3	40
42	—	—	—	—	—	—	—	—	—	—	6.2/41.5m	6.3	42
44	—	—	—	—	—	—	—	—	—	—	—	5.3	44
46	—	—	—	—	—	—	—	—	—	—	—	—	46
48	—	—	—	—	—	—	—	—	—	—	—	—	48
50	—	—	—	—	—	—	—	—	—	—	—	—	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 31m jib10 °)

Unit: t

Beam (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Beam(m) Radius(m)
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	56.9/10.9m	56.5/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	56.9	56.4	55.0	44.8/12.4m	---	---	---	---	---	---	---	---	12
13	52.5	51.2	50.1	44.9	44.3	40/13.5m	---	---	---	---	---	---	13
14	47.9	46.8	45.8	44.7	43.0	39.0	35.7	---	---	---	---	---	14
15	44.0	42.9	42.1	41.1	40.1	37.9	34.6	---	---	---	---	---	15
16	40.5	39.5	38.7	37.8	37.0	36.1	33.6	---	---	---	---	---	16
17	37.4	36.5	35.8	35.0	34.1	33.3	32.6	---	---	---	---	---	17
18	34.7	33.8	33.2	32.4	31.6	30.9	30.2	---	---	---	---	---	18
19	32.2	31.4	30.8	30.1	29.4	28.6	28.0	---	---	---	---	---	19
20	30.0	29.2	28.7	28.0	27.3	26.6	26.1	---	---	---	---	---	20
22	25.8	25.5	25.0	24.3	23.7	23.1	22.6	---	---	---	---	---	22
24	22.2	22.0	21.9	21.3	20.7	20.1	19.7	---	---	---	---	---	24
26	19.1	18.9	18.9	18.7	18.2	17.6	17.2	---	---	---	---	---	26
28	16.6	16.4	16.3	16.1	15.9	15.4	15.1	---	---	---	---	---	28
30	14.4	14.2	14.2	14.0	13.8	13.5	13.2	---	---	---	---	---	30
32	12.6	12.4	12.3	12.1	11.9	11.7	11.5	---	---	---	---	---	32
34	11.0	10.7	10.7	10.5	10.3	10.1	9.9	---	---	---	---	---	34
36	9.5	9.3	9.2	9.0	8.8	8.6	8.5	---	---	---	---	---	36
38	8.3	8.0	8.0	7.8	7.6	7.3	7.2	---	---	---	---	---	38
40	7.1	6.9	6.8	6.6	6.4	6.2	6.1	---	---	---	---	---	40
42	6.1	5.9	5.8	5.6	5.4	5.2	5.1	---	---	---	---	---	42
44	5.2	5.0	4.9	4.7	4.5	4.3	4.2	---	---	---	---	---	44
46	4.3	4.1	4.1	3.8	3.7	3.4	3.3	---	---	---	---	---	46
48	3.7/47.1m	3.3	3.3	3.1	2.9	2.7	2.6	---	---	---	---	---	48
50	---	2.4/49.7m	2.6	2.4	2.2	2.0	1.9	---	---	---	---	---	50
52	---	---	1.5/51.9m	1.7	1.5	---	---	---	---	---	---	---	52
54	---	---	---	---	---	---	---	---	---	---	---	---	54
56	---	---	---	---	---	---	---	---	---	---	---	---	56
58	---	---	---	---	---	---	---	---	---	---	---	---	58
60	---	---	---	---	---	---	---	---	---	---	---	---	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 25m jib30 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	123.4/6.7m	113.4/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	118.5	113.4	103.1/7.8m	90.3/8.4m	---	---	---	---	8
9	---	---	---	---	101.5	98.5	95.5	90.3	89.9/8.8m	79.9/9.3m	---	---	9
10	---	---	---	---	88.8	86.2	83.9	81.5	79.2	77.0	68.3/9.8m	66.6/10.4m	10
11	---	---	---	---	78.0	76.2	74.4	72.4	70.5	68.6	67.0	65.2	11
12	---	---	---	---	68.0	68.0	66.6	64.9	63.3	61.7	60.3	58.8	12
13	---	---	---	---	60.0	60.0	60.0	58.7	57.2	55.8	54.6	53.3	13
14	---	---	---	---	53.4	53.4	53.4	53.3	52.1	50.8	49.8	48.6	14
15	---	---	---	---	45.4	45.4	45.4	45.4	47.6	46.5	45.6	44.5	15
16	---	---	---	---	43.5	43.5	43.5	43.5	43.4	42.7	41.9	40.9	16
17	---	---	---	---	39.5	39.5	39.5	39.5	39.5	39.3	38.7	37.8	17
18	---	---	---	---	34.9	34.9	34.9	34.9	36.0	35.8	35.8	34.9	18
19	---	---	---	---	33.2	33.2	33.2	33.1	33.0	32.8	32.8	32.4	19
20	---	---	---	---	30.6	30.5	30.5	30.5	30.3	30.2	30.1	30.0	20
22	---	---	---	---	26.1	26.0	26.0	26.0	25.8	25.7	25.6	25.5	22
24	---	---	---	---	22.5	22.4	22.4	22.3	22.2	22.0	22.0	21.8	24
26	---	---	---	---	18.9/25.9m	19.3	19.3	19.3	19.2	19.0	19.0	18.8	26
28	---	---	---	---	---	16.8	16.8	16.8	16.7	16.5	16.5	16.3	28
30	---	---	---	---	---	16/28.5m	14.8	14.6	14.5	14.3	14.3	14.1	30
32	---	---	---	---	---	---	13.5/31.1m	12.7	12.6	12.5	12.4	12.3	32
34	---	---	---	---	---	---	---	10.5/33.7m	11.0	10.8	10.8	10.6	34
36	---	---	---	---	---	---	---	---	9.5	9.4	9.4	9.2	36
38	---	---	---	---	---	---	---	---	8.9/36.3m	8.1	8.1	7.9	38
40	---	---	---	---	---	---	---	---	---	6.9/38.9m	7.0	6.8	40
42	---	---	---	---	---	---	---	---	---	---	5.7/41.5m	5.8	42
44	---	---	---	---	---	---	---	---	---	---	---	4.8	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 25m jib30 °)

Unit: t

Boom (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Boom(m) Radius(m)
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	56.4/10.9m	56/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	56.4	55.9	54.5	44.3/12.4m	---	---	---	---	---	---	---	---	12
13	52.0	50.7	49.6	44.4	43.8	39.5/13.5m	---	---	---	---	---	---	13
14	47.4	46.3	45.3	44.2	42.5	38.5	35.2	---	---	---	---	---	14
15	43.5	42.4	41.6	40.6	39.6	37.4	34.1	---	---	---	---	---	15
16	40.0	39.0	38.2	37.3	36.5	35.6	33.1	---	---	---	---	---	16
17	36.9	36.0	35.3	34.5	33.6	32.8	32.1	---	---	---	---	---	17
18	34.2	33.3	32.7	31.9	31.1	30.4	29.7	---	---	---	---	---	18
19	31.7	30.9	30.3	29.6	28.9	28.1	27.5	---	---	---	---	---	19
20	29.5	28.7	28.2	27.5	26.8	26.1	25.6	---	---	---	---	---	20
22	25.3	25.0	24.5	23.8	23.2	22.6	22.1	---	---	---	---	---	22
24	21.7	21.5	21.4	20.8	20.2	19.6	19.2	---	---	---	---	---	24
26	18.6	18.4	18.4	18.2	17.7	17.1	16.7	---	---	---	---	---	26
28	16.1	15.9	15.8	15.6	15.4	14.9	14.6	---	---	---	---	---	28
30	13.9	13.7	13.7	13.5	13.3	13.0	12.7	---	---	---	---	---	30
32	12.1	11.9	11.8	11.6	11.4	11.2	11.0	---	---	---	---	---	32
34	10.5	10.2	10.2	10.0	9.8	9.6	9.4	---	---	---	---	---	34
36	9.0	8.8	8.7	8.5	8.3	8.1	8.0	---	---	---	---	---	36
38	7.8	7.5	7.5	7.3	7.1	6.8	6.7	---	---	---	---	---	38
40	6.6	6.4	6.3	6.1	5.9	5.7	5.6	---	---	---	---	---	40
42	5.6	5.4	5.3	5.1	4.9	4.7	4.6	---	---	---	---	---	42
44	4.7	4.5	4.4	4.2	4.0	3.8	3.7	---	---	---	---	---	44
46	3.8	3.6	3.6	3.3	3.2	2.9	2.8	---	---	---	---	---	46
48	3.2/47.1m	2.8	2.8	2.6	2.4	2.2	2.1	---	---	---	---	---	48
50	---	1.9/49.7m	2.1	1.9	1.7	1.5	1.4	---	---	---	---	---	50
52	---	---	1.0/51.9m	1.2	1.0	---	---	---	---	---	---	---	52
54	---	---	---	---	---	---	---	---	---	---	---	---	54
56	---	---	---	---	---	---	---	---	---	---	---	---	56
58	---	---	---	---	---	---	---	---	---	---	---	---	58
60	---	---	---	---	---	---	---	---	---	---	---	---	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 25m jib10 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	125.4/6.7m	115.4/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	120.5	115.5	105.1/7.8m	93.3/8.4m	---	---	---	---	8
9	---	---	---	---	103.5	100.5	97.5	93.3	91.9/8.8m	81.9/9.3m	---	---	9
10	---	---	---	---	90.8	88.2	85.9	83.5	81.2	79.0	70.3/9.8m	68.6/10.4m	10
11	---	---	---	---	80.0	78.2	76.4	74.4	72.5	70.6	69.0	67.2	11
12	---	---	---	---	70.0	70.0	68.6	66.9	65.3	63.7	62.3	60.8	12
13	---	---	---	---	62.0	62.0	62.0	60.7	59.2	57.8	56.6	55.3	13
14	---	---	---	---	55.4	55.4	55.4	55.3	54.1	52.8	51.8	50.6	14
15	---	---	---	---	47.4	47.4	47.4	47.4	49.6	48.5	47.6	46.5	15
16	---	---	---	---	45.5	45.5	45.5	45.5	45.4	44.7	43.9	42.9	16
17	---	---	---	---	41.5	41.5	41.5	41.5	41.5	41.3	40.7	39.8	17
18	---	---	---	---	36.9	36.9	36.9	36.9	38.0	37.8	37.8	36.9	18
19	---	---	---	---	35.2	35.2	35.2	35.1	35.0	34.8	34.8	34.4	19
20	---	---	---	---	32.6	32.5	32.5	32.5	32.3	32.2	32.1	32.0	20
22	---	---	---	---	28.1	28.0	28.0	28.0	27.8	27.7	27.6	27.5	22
24	---	---	---	---	24.5	24.4	24.4	24.3	24.2	24.0	24.0	23.8	24
26	---	---	---	---	20.9/25.9m	21.3	21.3	21.3	21.2	21.0	21.0	20.8	26
28	---	---	---	---	---	18.8	18.8	18.8	18.7	18.5	18.5	18.3	28
30	---	---	---	---	---	18/28.5m	16.8	16.6	16.5	16.3	16.3	16.1	30
32	---	---	---	---	---	---	15.5/31.1m	14.7	14.6	14.5	14.4	14.3	32
34	---	---	---	---	---	---	---	12.5/33.7m	13.0	12.8	12.8	12.6	34
36	---	---	---	---	---	---	---	---	11.5	11.4	11.4	11.2	36
38	---	---	---	---	---	---	---	---	10.9/36.3m	10.1	10.1	9.9	38
40	---	---	---	---	---	---	---	---	---	8.9/38.9m	9.0	8.8	40
42	---	---	---	---	---	---	---	---	---	---	7.7/41.5m	7.8	42
44	---	---	---	---	---	---	---	---	---	---	---	6.8	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2. The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3. Figures in gray cells indicate that the rated load depends on the structure strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 25m jib10 °)

Unit: t

Beam (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Beam(m) Radius(m)
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	58.4/10.9m	58/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	58.4	57.9	56.5	46.3/12.4m	---	---	---	---	---	---	---	---	12
13	54.0	52.7	51.6	46.4	45.8	41.5/13.5m	---	---	---	---	---	---	13
14	49.4	48.3	47.3	46.2	44.5	40.5	37.2	---	---	---	---	---	14
15	45.5	44.4	43.6	42.6	41.6	39.4	36.1	---	---	---	---	---	15
16	42.0	41.0	40.2	39.3	38.5	37.6	35.1	---	---	---	---	---	16
17	38.9	38.0	37.3	36.5	35.6	34.8	34.1	---	---	---	---	---	17
18	36.2	35.3	34.7	33.9	33.1	32.4	31.7	---	---	---	---	---	18
19	33.7	32.9	32.3	31.6	30.9	30.1	29.5	---	---	---	---	---	19
20	31.5	30.7	30.2	29.5	28.8	28.1	27.6	---	---	---	---	---	20
22	27.3	27.0	26.5	25.8	25.2	24.6	24.1	---	---	---	---	---	22
24	23.7	23.5	23.4	22.8	22.2	21.6	21.2	---	---	---	---	---	24
26	20.6	20.4	20.4	20.2	19.7	19.1	18.7	---	---	---	---	---	26
28	18.1	17.9	17.8	17.6	17.4	16.9	16.6	---	---	---	---	---	28
30	15.9	15.7	15.7	15.5	15.3	15.0	14.7	---	---	---	---	---	30
32	14.1	13.9	13.8	13.6	13.4	13.2	13.0	---	---	---	---	---	32
34	12.5	12.2	12.2	12.0	11.8	11.6	11.4	---	---	---	---	---	34
36	11.0	10.8	10.7	10.5	10.3	10.1	10.0	---	---	---	---	---	36
38	9.8	9.5	9.5	9.3	9.1	8.8	8.7	---	---	---	---	---	38
40	8.6	8.4	8.3	8.1	7.9	7.7	7.6	---	---	---	---	---	40
42	7.6	7.4	7.3	7.1	6.9	6.7	6.6	---	---	---	---	---	42
44	6.7	6.5	6.4	6.2	6.0	5.8	5.7	---	---	---	---	---	44
46	5.8	5.6	5.6	5.3	5.2	4.9	4.8	---	---	---	---	---	46
48	5.2/47.1m	4.8	4.8	4.6	4.4	4.2	4.1	---	---	---	---	---	48
50	---	3.9/49.7m	4.1	3.9	3.7	3.5	3.4	---	---	---	---	---	50
52	---	---	3.0/51.9m	3.2	3.0	2.8	2.7	---	---	---	---	---	52
54	---	---	---	2.6	2.4	2.2	2.1	---	---	---	---	---	54
56	---	---	---	2.2/54.5m	1.9	1.7	1.6	---	---	---	---	---	56
58	---	---	---	---	1.4/57.5m	1.2	1.1	---	---	---	---	---	58
60	---	---	---	---	---	---	---	---	---	---	---	---	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 19m jib30 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	125.4/6.7m	115.4/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	120.5	115.5	105.1/7.8m	93.3/8.4m	---	---	---	---	8
9	---	---	---	---	103.5	100.5	97.5	93.3	91.9/8.8m	81.9/9.3m	---	---	9
10	---	---	---	---	90.8	88.2	85.9	83.5	81.2	79.0	70.3/9.8m	68.6/10.4m	10
11	---	---	---	---	80.0	78.2	76.4	74.4	72.5	70.6	69.0	67.2	11
12	---	---	---	---	70.0	70.0	68.6	66.9	65.3	63.7	62.3	60.8	12
13	---	---	---	---	62.0	62.0	62.0	60.7	59.2	57.8	56.6	55.3	13
14	---	---	---	---	55.4	55.4	55.4	55.3	54.1	52.8	51.8	50.6	14
15	---	---	---	---	47.4	47.4	47.4	47.4	49.6	48.5	47.6	46.5	15
16	---	---	---	---	45.5	45.5	45.5	45.5	45.4	44.7	43.9	42.9	16
17	---	---	---	---	41.5	41.5	41.5	41.5	41.5	41.3	40.7	39.8	17
18	---	---	---	---	36.9	36.9	36.9	36.9	38.0	37.8	37.8	36.9	18
19	---	---	---	---	35.2	35.2	35.2	35.1	35.0	34.8	34.8	34.4	19
20	---	---	---	---	32.6	32.5	32.5	32.5	32.3	32.2	32.1	32.0	20
22	---	---	---	---	28.1	28.0	28.0	28.0	27.8	27.7	27.6	27.5	22
24	---	---	---	---	24.5	24.4	24.4	24.3	24.2	24.0	24.0	23.8	24
26	---	---	---	---	20.9/25.9m	21.3	21.3	21.3	21.2	21.0	21.0	20.8	26
28	---	---	---	---	---	18.8	18.8	18.8	18.7	18.5	18.5	18.3	28
30	---	---	---	---	---	18/28.5m	16.8	16.6	16.5	16.3	16.3	16.1	30
32	---	---	---	---	---	---	15.5/31.1m	14.7	14.6	14.5	14.4	14.3	32
34	---	---	---	---	---	---	---	12.5/33.7m	13.0	12.8	12.8	12.6	34
36	---	---	---	---	---	---	---	---	11.5	11.4	11.4	11.2	36
38	---	---	---	---	---	---	---	---	10.9/36.3m	10.1	10.1	9.9	38
40	---	---	---	---	---	---	---	---	---	8.9/38.9m	9.0	8.8	40
42	---	---	---	---	---	---	---	---	---	---	7.7/41.5m	7.8	42
44	---	---	---	---	---	---	---	---	---	---	---	6.8	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLM-Load Charts of Main Hook for Fixed Jib Condition 19m jib30 °)

Unit: t

Beam (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Beam(m) Radius(m)
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	58.4/10.9m	58/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	58.5	57.9	56.5	46.3/12.4m	---	---	---	---	---	---	---	---	12
13	54.0	52.7	51.6	46.4	45.8	41.5/13.5m	---	---	---	---	---	---	13
14	49.4	48.3	47.3	46.2	44.5	40.5	37.2	---	---	---	---	---	14
15	45.5	44.4	43.6	42.6	41.6	39.4	36.1	---	---	---	---	---	15
16	42.0	41.0	40.2	39.3	38.5	37.6	35.1	---	---	---	---	---	16
17	38.9	38.0	37.3	36.5	35.6	34.8	34.1	---	---	---	---	---	17
18	36.2	35.3	34.7	33.9	33.1	32.4	31.7	---	---	---	---	---	18
19	33.7	32.9	32.3	31.6	30.9	30.1	29.5	---	---	---	---	---	19
20	31.5	30.7	30.2	29.5	28.8	28.1	27.6	---	---	---	---	---	20
22	27.3	27.0	26.5	25.8	25.2	24.6	24.1	---	---	---	---	---	22
24	23.7	23.5	23.4	22.8	22.2	21.6	21.2	---	---	---	---	---	24
26	20.6	20.4	20.4	20.2	19.7	19.1	18.7	---	---	---	---	---	26
28	18.1	17.9	17.8	17.6	17.4	16.9	16.6	---	---	---	---	---	28
30	15.9	15.7	15.7	15.5	15.3	15.0	14.7	---	---	---	---	---	30
32	14.1	13.9	13.8	13.6	13.4	13.2	13.0	---	---	---	---	---	32
34	12.5	12.2	12.2	12.0	11.8	11.6	11.4	---	---	---	---	---	34
36	11.0	10.8	10.7	10.5	10.3	10.1	10.0	---	---	---	---	---	36
38	9.8	9.5	9.5	9.3	9.1	8.8	8.7	---	---	---	---	---	38
40	8.6	8.4	8.3	8.1	7.9	7.7	7.6	---	---	---	---	---	40
42	7.6	7.4	7.3	7.1	6.9	6.7	6.6	---	---	---	---	---	42
44	6.7	6.5	6.4	6.2	6.0	5.8	5.7	---	---	---	---	---	44
46	5.8	5.6	5.6	5.3	5.2	4.9	4.8	---	---	---	---	---	46
48	5.2/47.1m	4.8	4.8	4.6	4.4	4.2	4.1	---	---	---	---	---	48
50	---	3.9/49.7m	4.1	3.9	3.7	3.5	3.4	---	---	---	---	---	50
52	---	---	3.0/51.9m	3.2	3.0	2.8	2.7	---	---	---	---	---	52
54	---	---	---	2.6	2.4	2.2	2.1	---	---	---	---	---	54
56	---	---	---	2.2/54.5m	1.9	1.7	1.6	---	---	---	---	---	56
58	---	---	---	---	1.4/57.5m	1.2	1.1	---	---	---	---	---	58
60	---	---	---	---	---	---	---	---	---	---	---	---	60
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLM-Load Charts of Main Hook for Fixed Jib Condition 19m jib10 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	126.8/6.7m	116.8/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	121.8	116.8	106.5/7.8m	94.7/8.4m	---	---	---	---	8
9	---	---	---	---	104.8	101.8	98.8	94.7	93.3/8.8m	83.3/9.3m	---	---	9
10	---	---	---	---	92.1	89.5	87.2	84.8	82.5	80.3	71.7/9.8m	70/10.4m	10
11	---	---	---	---	81.3	79.5	77.7	75.7	73.8	71.9	70.3	68.5	11
12	---	---	---	---	71.3	71.3	69.9	68.2	66.6	65.0	63.6	62.1	12
13	---	---	---	---	63.3	63.3	63.3	62.0	60.5	59.1	57.9	56.6	13
14	---	---	---	---	56.7	56.7	56.7	56.6	55.4	54.1	53.1	51.9	14
15	---	---	---	---	48.7	48.7	48.7	48.7	50.9	49.8	48.9	47.8	15
16	---	---	---	---	46.8	46.8	46.8	46.8	46.7	46.0	45.2	44.2	16
17	---	---	---	---	42.8	42.8	42.8	42.8	42.8	42.6	42.0	41.1	17
18	---	---	---	---	38.2	38.2	38.2	38.2	39.3	39.1	39.1	38.2	18
19	---	---	---	---	36.5	36.5	36.5	36.4	36.3	36.1	36.1	35.7	19
20	---	---	---	---	33.9	33.8	33.8	33.8	33.6	33.5	33.4	33.3	20
22	---	---	---	---	29.4	29.3	29.3	29.3	29.1	29.0	28.9	28.8	22
24	---	---	---	---	25.8	25.7	25.7	25.6	25.5	25.3	25.3	25.1	24
26	---	---	---	---	22.3/25.9m	22.6	22.6	22.6	22.5	22.3	22.3	22.1	26
28	---	---	---	---	---	20.1	20.1	20.1	20.0	19.8	19.8	19.6	28
30	---	---	---	---	---	19.4/28.5m	18.1	17.9	17.8	17.6	17.6	17.4	30
32	---	---	---	---	---	---	16.9/31.1m	16.0	15.9	15.8	15.7	15.6	32
34	---	---	---	---	---	---	---	13.9/33.7m	14.3	14.1	14.1	13.9	34
36	---	---	---	---	---	---	---	---	12.8	12.7	12.7	12.5	36
38	---	---	---	---	---	---	---	---	12.3/36.3m	11.4	11.4	11.2	38
40	---	---	---	---	---	---	---	---	---	10.3/38.9m	10.3	10.1	40
42	---	---	---	---	---	---	---	---	---	---	9.1/41.5m	9.1	42
44	---	---	---	---	---	---	---	---	---	---	---	8.1	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2. The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3. Figures in gray cells indicate that the rated load depends on the structure strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 19m jib10 °)

Unit: t

Beam (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Beam(m) Radius(m)
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	65.8/10.9m	59.4/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	59.8	59.2	57.8	47.7/12.4m	---	---	---	---	---	---	---	---	12
13	55.3	54.0	52.9	47.7	47.1	42.9/13.5m	---	---	---	---	---	---	13
14	50.7	49.6	48.6	47.5	45.8	41.8	38.5	---	---	---	---	---	14
15	46.8	45.7	44.9	43.9	42.9	40.7	37.4	---	---	---	---	---	15
16	43.3	42.3	41.5	40.6	39.8	38.9	36.4	---	---	---	---	---	16
17	40.2	39.3	38.6	37.8	36.9	36.1	35.4	---	---	---	---	---	17
18	37.5	36.6	36.0	35.2	34.4	33.7	33.0	---	---	---	---	---	18
19	35.0	34.2	33.6	32.9	32.2	31.4	30.8	---	---	---	---	---	19
20	32.8	32.0	31.5	30.8	30.1	29.4	28.9	---	---	---	---	---	20
22	28.6	28.3	27.8	27.1	26.5	25.9	25.4	---	---	---	---	---	22
24	25.0	24.8	24.7	24.1	23.5	22.9	22.5	---	---	---	---	---	24
26	21.9	21.7	21.7	21.5	21.0	20.4	20.0	---	---	---	---	---	26
28	19.4	19.2	19.1	18.9	18.7	18.2	17.9	---	---	---	---	---	28
30	17.2	17.0	17.0	16.8	16.6	16.3	16.0	---	---	---	---	---	30
32	15.4	15.2	15.1	14.9	14.7	14.5	14.3	---	---	---	---	---	32
34	13.8	13.5	13.5	13.3	13.1	12.9	12.7	---	---	---	---	---	34
36	12.3	12.1	12.0	11.8	11.6	11.4	11.3	---	---	---	---	---	36
38	11.1	10.8	10.8	10.6	10.4	10.1	10.0	---	---	---	---	---	38
40	9.9	9.7	9.6	9.4	9.2	9.0	8.9	---	---	---	---	---	40
42	8.9	8.7	8.6	8.4	8.2	8.0	7.9	---	---	---	---	---	42
44	8.0	7.8	7.7	7.5	7.3	7.1	7.0	---	---	---	---	---	44
46	7.1	6.9	6.9	6.6	6.5	6.2	6.1	---	---	---	---	---	46
48	6.6/47.1m	6.1	6.1	5.9	5.7	5.5	5.4	---	---	---	---	---	48
50	---	5.3/49.7m	5.4	5.2	5.0	4.8	4.7	---	---	---	---	---	50
52	---	---	4.4/51.9m	4.5	4.3	4.1	4.0	---	---	---	---	---	52
54	---	---	---	3.9	3.7	3.5	3.4	---	---	---	---	---	54
56	---	---	---	3.6/54.5m	3.2	3.0	2.9	---	---	---	---	---	56
58	---	---	---	---	2.8/57.5m	2.5	2.4	---	---	---	---	---	58
60	---	---	---	---	---	2.05/60.7m	1.9	---	---	---	---	---	60
62	---	---	---	---	---	---	1.4	---	---	---	---	---	62
64	---	---	---	---	---	---	1.1/62.3m	---	---	---	---	---	64
66	---	---	---	---	---	---	---	---	---	---	---	---	66
68	---	---	---	---	---	---	---	---	---	---	---	---	68
70	---	---	---	---	---	---	---	---	---	---	---	---	70
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

- Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 13m jib30 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	127.3/6.7m	117.3/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	122.3	117.3	107/7.8m	95.2/8.4m	---	---	---	---	8
9	---	---	---	---	105.3	102.3	99.3	95.2	93.8/8.8m	83.8/9.3m	---	---	9
10	---	---	---	---	92.6	90.0	87.7	85.3	83.0	80.8	72.2/9.8m	70.5/10.4m	10
11	---	---	---	---	81.8	80.0	78.2	76.2	74.3	72.4	70.8	69.0	11
12	---	---	---	---	71.8	71.8	70.4	68.7	67.1	65.5	64.1	62.6	12
13	---	---	---	---	63.8	63.8	63.8	62.5	61.0	59.6	58.4	57.1	13
14	---	---	---	---	57.2	57.2	57.2	57.1	55.9	54.6	53.6	52.4	14
15	---	---	---	---	49.2	49.2	49.2	49.2	51.4	50.3	49.4	48.3	15
16	---	---	---	---	47.3	47.3	47.3	47.3	47.2	46.5	45.7	44.7	16
17	---	---	---	---	43.3	43.3	43.3	43.3	43.3	43.1	42.5	41.6	17
18	---	---	---	---	38.7	38.7	38.7	38.7	39.8	39.6	39.6	38.7	18
19	---	---	---	---	37.0	37.0	37.0	36.9	36.8	36.6	36.6	36.2	19
20	---	---	---	---	34.4	34.3	34.3	34.3	34.1	34.0	33.9	33.8	20
22	---	---	---	---	29.9	29.8	29.8	29.8	29.6	29.5	29.4	29.3	22
24	---	---	---	---	26.3	26.2	26.2	26.1	26.0	25.8	25.8	25.6	24
26	---	---	---	---	22.8/25.9m	23.1	23.1	23.1	23.0	22.8	22.8	22.6	26
28	---	---	---	---	---	20.6	20.6	20.6	20.5	20.3	20.3	20.1	28
30	---	---	---	---	---	19.9/28.5m	18.6	18.4	18.3	18.1	18.1	17.9	30
32	---	---	---	---	---	---	17.4/31.1m	16.5	16.4	16.3	16.2	16.1	32
34	---	---	---	---	---	---	---	14.4/33.7m	14.8	14.6	14.6	14.4	34
36	---	---	---	---	---	---	---	---	13.3	13.2	13.2	13.0	36
38	---	---	---	---	---	---	---	---	12.8/36.3m	11.9	11.9	11.7	38
40	---	---	---	---	---	---	---	---	---	10.8/38.9m	10.8	10.6	40
42	---	---	---	---	---	---	---	---	---	---	9.6/41.5m	9.6	42
44	---	---	---	---	---	---	---	---	---	---	---	8.6	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 13m jib30 °)

Unit: t

Boom (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Boom(m) Radius(m)
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	60.3/10.9m	59.9/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	60.3	59.7	58.3	48.2/12.4m	---	---	---	---	---	---	---	---	12
13	55.8	54.5	53.4	48.2	47.6	43.4/13.5m	---	---	---	---	---	---	13
14	51.2	50.1	49.1	48.0	46.3	42.3	39.0	---	---	---	---	---	14
15	47.3	46.2	45.4	44.4	43.4	41.2	37.9	---	---	---	---	---	15
16	43.8	42.8	42.0	41.1	40.3	39.4	36.9	---	---	---	---	---	16
17	40.7	39.8	39.1	38.3	37.4	36.6	35.9	---	---	---	---	---	17
18	38.0	37.1	36.5	35.7	34.9	34.2	33.5	---	---	---	---	---	18
19	35.5	34.7	34.1	33.4	32.7	31.9	31.3	---	---	---	---	---	19
20	33.3	32.5	32.0	31.3	30.6	29.9	29.4	---	---	---	---	---	20
22	29.1	28.8	28.3	27.6	27.0	26.4	25.9	---	---	---	---	---	22
24	25.5	25.3	25.2	24.6	24.0	23.4	23.0	---	---	---	---	---	24
26	22.4	22.2	22.2	22.0	21.5	20.9	20.5	---	---	---	---	---	26
28	19.9	19.7	19.6	19.4	19.2	18.7	18.4	---	---	---	---	---	28
30	17.7	17.5	17.5	17.3	17.1	16.8	16.5	---	---	---	---	---	30
32	15.9	15.7	15.6	15.4	15.2	15.0	14.8	---	---	---	---	---	32
34	14.3	14.0	14.0	13.8	13.6	13.4	13.2	---	---	---	---	---	34
36	12.8	12.6	12.5	12.3	12.1	11.9	11.8	---	---	---	---	---	36
38	11.6	11.3	11.3	11.1	10.9	10.6	10.5	---	---	---	---	---	38
40	10.4	10.2	10.1	9.9	9.7	9.5	9.4	---	---	---	---	---	40
42	9.4	9.2	9.1	8.9	8.7	8.5	8.4	---	---	---	---	---	42
44	8.5	8.3	8.2	8.0	7.8	7.6	7.5	---	---	---	---	---	44
46	7.6	7.4	7.4	7.1	7.0	6.7	6.6	---	---	---	---	---	46
48	7.1/47.1m	6.6	6.6	6.4	6.2	6.0	5.9	---	---	---	---	---	48
50	---	5.8/49.7m	5.9	5.7	5.5	5.3	5.2	---	---	---	---	---	50
52	---	---	4.9/51.9m	5.0	4.8	4.6	4.5	---	---	---	---	---	52
54	---	---	---	4.4	4.2	4.0	3.9	---	---	---	---	---	54
56	---	---	---	4.1/54.5m	3.7	3.5	3.4	---	---	---	---	---	56
58	---	---	---	---	3.3/57.5m	3.0	2.9	---	---	---	---	---	58
60	---	---	---	---	---	2.5/60.7m	2.4	---	---	---	---	---	60
62	---	---	---	---	---	---	1.9	---	---	---	---	---	62
64	---	---	---	---	---	---	1.6/62.3m	---	---	---	---	---	64
66	---	---	---	---	---	---	---	---	---	---	---	---	66
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 13m jib10 °)

Unit: t

Beam (m) Radius(m)	16	19	22	25	28	31	34	37	40	43	46	49	Beam(m) Radius(m)
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	128/6.7m	118/7.2m	---	---	---	---	---	---	7
8	---	---	---	---	123.0	118.0	107.7/7.8m	95.9/8.4m	---	---	---	---	8
9	---	---	---	---	106.0	103.0	100.0	95.9	94.5/8.8m	84.5/9.3m	---	---	9
10	---	---	---	---	93.3	90.7	88.4	86.0	83.7	81.5	72.9/9.8m	71.2/10.4m	10
11	---	---	---	---	82.5	80.7	78.9	76.9	75.0	73.1	71.5	69.7	11
12	---	---	---	---	72.5	72.5	71.1	69.4	67.8	66.2	64.8	63.3	12
13	---	---	---	---	64.5	64.5	64.5	63.2	61.7	60.3	59.1	57.8	13
14	---	---	---	---	57.9	57.9	57.9	57.8	56.6	55.3	54.3	53.1	14
15	---	---	---	---	49.9	49.9	49.9	49.9	52.1	51.0	50.1	49.0	15
16	---	---	---	---	48.0	48.0	48.0	48.0	47.9	47.2	46.4	45.4	16
17	---	---	---	---	44.0	44.0	44.0	44.0	44.0	43.8	43.2	42.3	17
18	---	---	---	---	39.4	39.4	39.4	39.4	40.5	40.3	40.3	39.4	18
19	---	---	---	---	37.7	37.7	37.7	37.6	37.5	37.3	37.3	36.9	19
20	---	---	---	---	35.1	35.0	35.0	35.0	34.8	34.7	34.6	34.5	20
22	---	---	---	---	30.6	30.5	30.5	30.5	30.3	30.2	30.1	30.0	22
24	---	---	---	---	27.0	26.9	26.9	26.8	26.7	26.5	26.5	26.3	24
26	---	---	---	---	23.5/25.9m	23.8	23.8	23.8	23.7	23.5	23.5	23.3	26
28	---	---	---	---	---	21.3	21.3	21.3	21.2	21.0	21.0	20.8	28
30	---	---	---	---	---	20.6/28.5m	19.3	19.1	19.0	18.8	18.8	18.6	30
32	---	---	---	---	---	---	18.1/31.1m	17.2	17.1	17.0	16.9	16.8	32
34	---	---	---	---	---	---	---	15.1/33.7m	15.5	15.3	15.3	15.1	34
36	---	---	---	---	---	---	---	---	14.0	13.9	13.9	13.7	36
38	---	---	---	---	---	---	---	---	13.5/36.3m	12.6	12.6	12.4	38
40	---	---	---	---	---	---	---	---	---	11.5/38.9m	11.5	11.3	40
42	---	---	---	---	---	---	---	---	---	---	10.3/41.5m	10.3	42
44	---	---	---	---	---	---	---	---	---	---	---	9.3	44
46	---	---	---	---	---	---	---	---	---	---	---	---	46
48	---	---	---	---	---	---	---	---	---	---	---	---	48
50	---	---	---	---	---	---	---	---	---	---	---	---	50
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	16	14	12	11	11	10	9	8	8	7	6	6	Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(FLm-Load Charts of Main Hook for Fixed Jib Condition 13m jib10 °)

Unit: t

Beam (m) Radius(m)	52	55	58	61	64	67	70	73	76	79	82	85	Beam(m) Radius(m)
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	61/10.9m	60.6/11.4m	---	---	---	---	---	---	---	---	---	---	11
12	61.0	60.4	59.0	48.9/12.4m	---	---	---	---	---	---	---	---	12
13	56.5	55.2	54.1	48.9	48.3	44.1/13.5m	---	---	---	---	---	---	13
14	51.9	50.8	49.8	48.7	47.0	43.0	39.7	---	---	---	---	---	14
15	48.0	46.9	46.1	45.1	44.1	41.9	38.6	---	---	---	---	---	15
16	44.5	43.5	42.7	41.8	41.0	40.1	37.6	---	---	---	---	---	16
17	41.4	40.5	39.8	39.0	38.1	37.3	36.6	---	---	---	---	---	17
18	38.7	37.8	37.2	36.4	35.6	34.9	34.2	---	---	---	---	---	18
19	36.2	35.4	34.8	34.1	33.4	32.6	32.0	---	---	---	---	---	19
20	34.0	33.2	32.7	32.0	31.3	30.6	30.1	---	---	---	---	---	20
22	29.8	29.5	29.0	28.3	27.7	27.1	26.6	---	---	---	---	---	22
24	26.2	26.0	25.9	25.3	24.7	24.1	23.7	---	---	---	---	---	24
26	23.1	22.9	22.9	22.7	22.2	21.6	21.2	---	---	---	---	---	26
28	20.6	20.4	20.3	20.1	19.9	19.4	19.1	---	---	---	---	---	28
30	18.4	18.2	18.2	18.0	17.8	17.5	17.2	---	---	---	---	---	30
32	16.6	16.4	16.3	16.1	15.9	15.7	15.5	---	---	---	---	---	32
34	15.0	14.7	14.7	14.5	14.3	14.1	13.9	---	---	---	---	---	34
36	13.5	13.3	13.2	13.0	12.8	12.6	12.5	---	---	---	---	---	36
38	12.3	12.0	12.0	11.8	11.6	11.3	11.2	---	---	---	---	---	38
40	11.1	10.9	10.8	10.6	10.4	10.2	10.1	---	---	---	---	---	40
42	10.1	9.9	9.8	9.6	9.4	9.2	9.1	---	---	---	---	---	42
44	9.2	9.0	8.9	8.7	8.5	8.3	8.2	---	---	---	---	---	44
46	8.3	8.1	8.1	7.8	7.7	7.4	7.3	---	---	---	---	---	46
48	7.8/47.1m	7.3	7.3	7.1	6.9	6.7	6.6	---	---	---	---	---	48
50	---	6.5/49.7m	6.6	6.4	6.2	6.0	5.9	---	---	---	---	---	50
52	---	---	5.6/51.9m	5.7	5.5	5.3	5.2	---	---	---	---	---	52
54	---	---	---	5.1	4.9	4.7	4.6	---	---	---	---	---	54
56	---	---	---	4.8/54.5m	4.4	4.2	4.1	---	---	---	---	---	56
58	---	---	---	---	4.0/57.5m	3.7	3.6	---	---	---	---	---	58
60	---	---	---	---	---	3.2/60.7m	3.1	---	---	---	---	---	60
62	---	---	---	---	---	---	2.6	---	---	---	---	---	62
64	---	---	---	---	---	---	2.3/62.3m	---	---	---	---	---	64
66	---	---	---	---	---	---	---	---	---	---	---	---	66
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20						Couterweight (t)
Rate	5	5	5	4	4	4	4						Rate

Notes: 1.The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2.The rated load in the charts is the value when the crane is hoisting load on level and hard soil ground and the load is slowly and steadily hoisted, and meanwhile the crane is not traveling.
 3.Figures in gray cells indicate that the rated load depends on the stucture strength.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 23m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
25	25.0/25.1m	—	—	—	—	—	25
26	24.8	23.7/26.8m	—	—	—	—	26
28	22.6	22.5	—	—	—	—	28
30	20.8	20.7	20.5/30.2m	—	—	—	30
32	19.2	19.1	18.9	17.4/33.7m	—	—	32
34	—	17.7	17.5	17.4	—	—	34
36	—	16.5	16.3	16.2	15.5/37.1m	—	36
38	—	—	15.2	15.2	15.0	—	38
40	—	—	14.2	14.2	14.0	—	40
42	—	—	13.3	13.3	13.1	9.1/42.3m	42
44	—	—	—	12.6	12.3	8.7	44
46	—	—	—	11.8	11.6	8.2	46
48	—	—	—	11.2	11.0	7.8	48
50	—	—	—	—	10.5	7.4	50
52	—	—	—	—	9.9	7.1	52
54	—	—	—	—	—	6.7	54
56	—	—	—	—	—	6.4	56
58	—	—	—	—	—	6.1	58
60	—	—	—	—	—	5.9	60
62	—	—	—	—	—	5.7	62
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	2	2	2	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 26m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
26	24.3/26.3m	—	—	—	—	—	26
28	22.1	22.0	—	—	—	—	28
30	20.3	20.2	18.4/31.5m	—	—	—	30
32	18.7	18.6	18.4	—	—	—	32
34	17.4	17.3	17.1	17.0/33.9m	—	—	34
36	—	16.1	15.9	15.8	—	—	36
38	—	—	14.8	14.8	14.2/38.4m	—	38
40	—	—	13.9	13.8	13.6	—	40
42	—	—	13.1	13.0	12.7	9.0/43.5m	42
44	—	—	—	12.2	12.0	9.0	44
46	—	—	—	11.5	11.3	8.5	46
48	—	—	—	11.0	10.7	8.1	48
50	—	—	—	—	10.2	7.6	50
52	—	—	—	—	9.6	7.2	52
54	—	—	—	—	9.2	6.9	54
56	—	—	—	—	—	6.6	56
58	—	—	—	—	—	6.3	58
60	—	—	—	—	—	6.1	60
62	—	—	—	—	—	5.8	62
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	2	2	2	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 29m Boom Angle 65°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
27	21.7/27.6m	—	—	—	—	—	27	
28	21.7	19.8/29.3m	—	—	—	—	28	
30	19.9	19.8	—	—	—	—	30	
32	18.3	18.2	17.3/32.8m	—	—	—	32	
34	17.0	16.9	16.6	—	—	—	34	
36	15.8	15.7	15.5	15.3/36.2m	—	—	36	
38	—	14.7	14.5	14.3	13.2/39.7m	—	38	
40	—	—	13.6	13.5	13.2	—	40	
42	—	—	12.7	12.6	12.4	—	42	
44	—	—	12.0	11.9	11.6	9.0/44.8m	44	
46	—	—	—	11.3	11.0	8.8	46	
48	—	—	—	10.7	10.4	8.3	48	
50	—	—	—	10.1	9.8	7.9	50	
52	—	—	—	—	9.3	7.5	52	
54	—	—	—	—	8.9	7.1	54	
56	—	—	—	—	8.4	6.8	56	
58	—	—	—	—	—	6.5	58	
60	—	—	—	—	—	6.2	60	
62	—	—	—	—	—	5.9	62	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	2	2	2	2	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 32m Boom Angle 65°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
28	20.1/28.9m	—	—	—	—	—	28	
30	19.3	18.5/30.6m	—	—	—	—	30	
32	17.9	17.7	—	—	—	—	32	
34	16.6	16.4	16.1	—	—	—	34	
36	15.4	15.3	15.0	14.0/37.5m	—	—	36	
38	—	14.3	14.1	14.0	—	—	38	
40	—	13.4	13.2	13.0	12.3/40.9m	—	40	
42	—	—	12.3	12.2	12.0	—	42	
44	—	—	11.6	11.5	11.3	—	44	
46	—	—	11.0	10.9	10.6	9.1	46	
48	—	—	—	10.3	10.0	8.6	48	
50	—	—	—	9.8	9.5	8.1	50	
52	—	—	—	—	9.0	7.7	52	
54	—	—	—	—	8.5	7.3	54	
56	—	—	—	—	8.1	6.9	56	
58	—	—	—	—	—	6.7	58	
60	—	—	—	—	—	6.4	60	
62	—	—	—	—	—	6.1	62	
64	—	—	—	—	—	5.8	64	
66	—	—	—	—	—	5.6	66	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	2	2	2	2	1	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 35m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
30	18.9/30.1m	17.2/31.9m	—	—	—	—	30
32	17.4	17.2	—	—	—	—	32
34	16.2	16.0	15.1/35.3m	—	—	—	34
36	15.0	14.9	14.6	—	—	—	36
38	14.0	13.9	13.6	13.1/38.7m	—	—	38
40	—	13.1	12.8	12.7	—	—	40
42	—	—	12.0	11.9	11.6/42.2m	—	42
44	—	—	11.3	11.3	10.9	—	44
46	—	—	10.7	10.6	10.3	8.9/47.4m	46
48	—	—	—	10.0	9.7	8.9	48
50	—	—	—	9.5	9.1	8.3	50
52	—	—	—	9.0	8.7	8.0	52
54	—	—	—	—	8.2	7.5	54
56	—	—	—	—	7.9	7.2	56
58	—	—	—	—	7.5	6.8	58
60	—	—	—	—	—	6.5	60
62	—	—	—	—	—	6.2	62
64	—	—	—	—	—	5.9	64
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	2	2	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 38m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
31	17.4/31.4m	—	—	—	—	—	31
32	16.9	16.0/33.1m	—	—	—	—	32
34	15.6	15.4	—	—	—	—	34
36	14.6	14.4	13.6/36.6m	—	—	—	36
38	13.6	13.5	13.2	—	—	—	38
40	—	12.6	12.3	12.2	—	—	40
42	—	11.9	11.5	11.6	10.5/43.5m	—	42
44	—	—	10.9	10.9	10.5	—	44
46	—	—	10.3	10.2	9.8	—	46
48	—	—	9.7	9.7	9.2	8.5/48.6m	48
50	—	—	—	9.1	8.7	8.3	50
52	—	—	—	8.7	8.3	7.8	52
54	—	—	—	8.2	7.8	7.5	54
56	—	—	—	—	7.5	7.0	56
58	—	—	—	—	7.1	6.7	58
60	—	—	—	—	6.8	6.4	60
62	—	—	—	—	—	6.1	62
64	—	—	—	—	—	5.7	64
66	—	—	—	—	—	5.5	66
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	2	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 41m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
32	15.7/32.7m	—	—	—	—	—	32
34	15.1	14.5/34.4m	—	—	—	—	34
36	14.1	14.0	12.7/37.8m	—	—	—	36
38	13.1	13.0	12.7	—	—	—	38
40	12.3	12.2	11.9	11.1/41.3m	—	—	40
42	—	11.5	11.1	11.1	—	—	42
44	—	10.7	10.5	10.5	9.7/44.7m	—	44
46	—	—	9.9	9.9	9.4	—	46
48	—	—	9.3	9.3	8.8	8.1/49.9m	48
50	—	—	—	8.8	8.3	8.1	50
52	—	—	—	8.4	7.9	7.7	52
54	—	—	—	8.0	7.4	7.3	54
56	—	—	—	—	7.1	6.9	56
58	—	—	—	—	6.8	6.6	58
60	—	—	—	—	6.3	6.2	60
62	—	—	—	—	—	5.9	62
64	—	—	—	—	—	5.6	64
66	—	—	—	—	—	5.3	66
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 44m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
33	14.5/33.9m	—	—	—	—	—	33
34	14.5	13.4/35.7m	—	—	—	—	34
36	13.5	13.4	—	—	—	—	36
38	12.6	12.6	11.8/39.1m	—	—	—	38
40	11.8	11.7	11.4	—	—	—	40
42	11.1	11.0	10.7	10.4/42.6m	—	—	42
44	—	10.4	10.1	10.0	—	—	44
46	—	—	9.5	9.4	8.9	—	46
48	—	—	8.9	8.9	8.4	—	48
50	—	—	8.5	8.4	7.8	7.4/51.2m	50
52	—	—	—	7.9	7.4	7.2	52
54	—	—	—	7.5	7.0	6.9	54
56	—	—	—	7.1	6.6	6.5	56
58	—	—	—	—	6.3	6.1	58
60	—	—	—	—	6.0	5.7	60
62	—	—	—	—	5.7	5.5	62
64	—	—	—	—	—	5.2	64
66	—	—	—	—	—	4.9	66
68	—	—	—	—	—	4.6	68
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	1	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 47m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
35	13.5/35.2m	—	—	—	—	—	35
36	13.1	12.5/36.9m	—	—	—	—	36
38	12.2	12.1	—	—	—	—	38
40	11.4	11.3	11.0/40.4m	—	—	—	40
42	10.8	10.7	10.3	9.6/43.8m	—	—	42
44	—	10.0	9.7	9.6	—	—	44
46	—	9.4	9.1	9.0	8.2/47.3m	—	46
48	—	—	8.6	8.5	8.0	—	48
50	—	—	8.0	8.0	7.5	—	50
52	—	—	7.6	7.5	7.1	6.7/52.4m	52
54	—	—	—	7.2	6.7	6.4	54
56	—	—	—	6.7	6.3	6.1	56
58	—	—	—	6.4	6.0	5.7	58
60	—	—	—	—	5.7	5.3	60
62	—	—	—	—	5.4	5.1	62
64	—	—	—	—	—	4.8	64
66	—	—	—	—	—	4.5	66
68	—	—	—	—	—	4.2	68
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	1	1	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 50m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
36	12.2/36.5m	—	—	—	—	—	36
38	11.7	11.6/38.2m	—	—	—	—	38
40	11.0	10.8	10.0/41.6m	—	—	—	40
42	10.3	10.2	9.8	—	—	—	42
44	9.7	9.5	9.2	8.6/45m	—	—	44
46	—	8.9	8.6	8.4	—	—	46
48	—	—	8.1	7.9	7.2/48.5m	—	48
50	—	—	7.7	7.4	7.0	—	50
52	—	—	7.2	7.0	6.6	6.0/53.7m	52
54	—	—	—	6.6	6.2	5.9	54
56	—	—	—	6.3	5.9	5.6	56
58	—	—	—	5.9	5.5	5.2	58
60	—	—	—	—	5.3	4.9	60
62	—	—	—	—	5.0	4.6	62
64	—	—	—	—	4.7	4.3	64
66	—	—	—	—	—	4.1	66
68	—	—	—	—	—	3.8	68
70	—	—	—	—	—	3.6	70
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 53m Boom Angle 65°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
36	11.2/37.8m	—	—	—	—	—	36
38	11.2	10.4/39.5m	—	—	—	—	38
40	10.5	10.2	—	—	—	—	40
42	9.8	9.6	9.0/42.9m	—	—	—	42
44	9.2	9.0	8.7	—	—	—	44
46	8.6	8.4	8.1	7.5/46.4m	—	—	46
48	—	7.8	7.7	7.3	6.6/49.8m	—	48
50	—	—	7.2	6.9	6.6	—	50
52	—	—	6.8	6.5	6.2	—	52
54	—	—	6.4	6.1	5.8	5.1/55m	54
56	—	—	—	5.8	5.4	5.1	56
58	—	—	—	5.4	5.2	4.8	58
60	—	—	—	5.1	4.9	4.5	60
62	—	—	—	—	4.6	4.2	62
64	—	—	—	—	4.4	3.9	64
66	—	—	—	—	4.1	3.6	66
68	—	—	—	—	—	3.4	68
70	—	—	—	—	—	3.2	70
72	—	—	—	—	—	3.0	72
74	—	—	—	—	—	2.8	74
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	1	1	1	1	1	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 23m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
17	41.4/17.9m	—	—	—	—	—	17	
18	41.4	36.2/19.2m	—	—	—	—	18	
20	36.4	36.2	31.9/21.7m	—	—	—	20	
22	32.2	32.1	31.9	—	—	—	22	
24	28.8	28.8	28.6	28.5/24.3m	—	—	24	
26	25.9	25.9	25.9	25.8	20.6/26.8mm	—	26	
28	23.6	23.5	23.5	23.5	19.9	—	28	
30	—	21.2	21.2	21.2	18.7	12.0/30.6m	30	
32	—	19.6	19.4	19.4	17.6	11.1	32	
34	—	—	17.8	18.0	16.7	10.5	34	
36	—	—	16.3	16.5	15.7	9.9	36	
38	—	—	15.2	15.3	14.9	9.3	38	
40	—	—	—	14.2	14.0	8.8	40	
42	—	—	—	13.1	13.1	8.3	42	
44	—	—	—	12.1	12.2	7.8	44	
46	—	—	—	—	11.3	7.4	46	
48	—	—	—	—	10.5	7.1	48	
50	—	—	—	—	9.7	6.7	50	
52	—	—	—	—	—	6.4	52	
54	—	—	—	—	—	6.1	54	
56	—	—	—	—	—	5.9	56	
58	—	—	—	—	—	5.6	58	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	4	3	3	3	2	1	Rate	

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 26m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
17	—	—	—	—	—	—	17	
18	38.4/18.7m	—	—	—	—	—	18	
20	35.9	35.8	—	—	—	—	20	
22	31.8	31.8	30.0/22.5m	—	—	—	22	
24	28.5	28.5	28.2	27.5/25m	—	—	24	
26	25.8	25.8	25.5	25.5	20.3/27.6m	—	26	
28	23.4	23.5	23.2	23.2	20.3	—	28	
30	21.4	21.4	21.3	21.3	19.1	11.4/31.4m	30	
32	—	19.7	19.5	19.7	18.0	11.4	32	
34	—	—	17.9	18.1	17.0	10.7	34	
36	—	—	16.4	16.6	16.1	10.0	36	
38	—	—	15.4	15.4	15.2	9.5	38	
40	—	—	—	14.3	14.1	8.9	40	
42	—	—	—	13.3	13.2	8.4	42	
44	—	—	—	12.5	12.3	8.0	44	
46	—	—	—	—	11.5	7.6	46	
48	—	—	—	—	10.7	7.2	48	
50	—	—	—	—	10.0	6.8	50	
52	—	—	—	—	—	6.5	52	
54	—	—	—	—	—	6.2	54	
56	—	—	—	—	—	6.0	56	
58	—	—	—	—	—	5.7	58	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	3	3	3	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 29m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
19	35.5/19.5m	—	—	—	—	—	18	
20	35.5	33.5/20.8m	—	—	—	—	20	
22	31.5	31.4	28.0/23.3m	—	—	—	22	
24	28.2	28.1	27.8	25.2/25.8m	—	—	24	
26	25.5	25.4	25.2	25.2	—	—	26	
28	23.2	23.2	22.9	22.9	20.2/28.4m	—	28	
30	21.4	21.3	21.0	21.0	19.3	—	30	
32	—	19.4	19.4	19.4	18.1	11.7/32.2m	32	
34	—	17.9	18.0	17.9	17.1	10.9	34	
36	—	—	16.5	16.7	16.0	10.3	36	
38	—	—	15.4	15.5	15.1	9.6	38	
40	—	—	—	14.3	14.1	9.1	40	
42	—	—	—	13.3	13.1	8.6	42	
44	—	—	—	12.6	12.2	8.1	44	
46	—	—	—	—	11.5	7.7	46	
48	—	—	—	—	10.7	7.3	48	
50	—	—	—	—	10.2	6.9	50	
52	—	—	—	—	—	6.6	52	
54	—	—	—	—	—	6.3	54	
56	—	—	—	—	—	6.0	56	
58	—	—	—	—	—	5.8	58	
60	—	—	—	—	—	5.6	60	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	3	3	3	2	1	Rate	

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 32m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
19	—	—	—	—	—	—	18	
20	35.1/20.3m	31.0/21.5m	—	—	—	—	20	
22	31.1	31.0	—	—	—	—	22	
24	27.8	27.7	27.5	—	—	—	24	
26	25.1	25.1	24.8	23.5/26.6m	—	—	26	
28	22.9	22.8	22.6	22.5	20.1/29.1m	—	28	
30	21.0	20.9	20.7	20.7	19.5	—	30	
32	19.3	19.3	19.1	19.1	18.2	11.5/33m	32	
34	—	17.9	17.7	17.7	17.2	11.1	34	
36	—	—	16.5	16.4	16.1	10.5	36	
38	—	—	15.3	15.4	15.2	9.8	38	
40	—	—	14.3	14.4	14.2	9.3	40	
42	—	—	—	13.3	13.2	8.8	42	
44	—	—	—	12.5	12.3	8.3	44	
46	—	—	—	11.8	11.4	7.8	46	
48	—	—	—	—	10.7	7.4	48	
50	—	—	—	—	10.0	7.0	50	
52	—	—	—	—	9.6	6.7	52	
54	—	—	—	—	—	6.4	54	
56	—	—	—	—	—	6.1	56	
58	—	—	—	—	—	5.8	58	
60	—	—	—	—	—	5.7	60	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	3	3	2	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 35m Boom Angle 75°	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
21	32.2	—	—	—	—	—	21	
22	30.6	30.0/22.3m	—	—	—	—	22	
24	27.4	27.3	25.7/24.9m	—	—	—	24	
26	20.4	24.7	24.5	22.9/27.4m	—	—	26	
28	18.2	22.5	22.3	22.1	19.5/29.9m	—	28	
30	16.4	20.6	20.4	20.4	19.5	—	30	
32	15.1	19.0	18.8	18.8	18.2	11.4/33.7m	32	
34	—	17.7	17.5	17.4	17.1	11.4	34	
36	—	—	16.3	16.2	16.0	10.7	36	
38	—	—	15.2	15.2	14.9	10.1	38	
40	—	—	14.2	14.2	13.9	9.5	40	
42	—	—	—	13.3	13.1	9.0	42	
44	—	—	—	12.5	12.3	8.5	44	
46	—	—	—	11.7	11.4	8.0	46	
48	—	—	—	—	11.0	7.6	48	
50	—	—	—	—	10.7	7.2	50	
52	—	—	—	—	10.6	6.8	52	
54	—	—	—	—	—	6.5	54	
56	—	—	—	—	—	6.2	56	
58	—	—	—	—	—	6.0	58	
60	—	—	—	—	—	5.7	60	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	3	3	2	2	1	Rate	

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 38m Boom Angle 75°	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
21	30.0/21.8m	—	—	—	—	—	21	
22	30.0	—	—	—	—	—	22	
24	27.0	26.9	24.1/25.6m	—	—	—	24	
26	24.4	24.3	24.1	—	—	—	26	
28	22.3	22.1	21.9	21.4/28.2m	—	—	28	
30	20.4	20.3	20.1	19.9	18.2/30.7m	—	30	
32	18.8	18.7	18.5	18.5	17.7	—	32	
34	—	17.4	17.1	17.1	16.5	11.5/34.5m	34	
36	—	16.2	16.0	16.0	15.5	11.0	36	
38	—	—	14.9	14.8	14.6	10.3	38	
40	—	—	14.0	13.9	13.6	9.7	40	
42	—	—	13.1	13.1	12.8	9.1	42	
44	—	—	—	12.3	12.0	8.6	44	
46	—	—	—	11.6	11.3	8.1	46	
48	—	—	—	11.1	10.7	7.7	48	
50	—	—	—	—	10.0	7.3	50	
52	—	—	—	—	9.4	6.9	52	
54	—	—	—	—	—	6.6	54	
56	—	—	—	—	—	6.3	56	
58	—	—	—	—	—	6.1	58	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	4	3	2	2	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 41m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
22	27.6/22.6m	26.4/23.9m	—	—	—	—	22	
24	26.5	26.4	—	—	—	—	24	
26	24.0	24.0	23.0/26.4m	—	—	—	26	
28	21.9	21.8	21.6	19.7/28.9m	—	—	28	
30	20.1	20.0	19.8	19.1	17.1/31.5m	—	30	
32	18.5	18.5	18.2	17.9	17.1	—	32	
34	17.2	17.1	16.8	16.8	16.0	11.6/35.3m	34	
36	—	15.9	15.6	15.6	15.0	11.3	36	
38	—	—	14.6	14.6	14.1	10.5	38	
40	—	—	13.7	13.7	13.3	9.9	40	
42	—	—	12.8	12.8	12.5	9.3	42	
44	—	—	—	12.1	11.7	8.8	44	
46	—	—	—	11.4	11.0	8.3	46	
48	—	—	—	10.8	10.4	7.9	48	
50	—	—	—	—	9.9	7.4	50	
52	—	—	—	—	9.3	7.1	52	
54	—	—	—	—	8.8	6.8	54	
56	—	—	—	—	—	6.4	56	
58	—	—	—	—	—	6.1	58	
60	—	—	—	—	—	5.9	60	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	3	2	2	2	1	Rate	

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 44m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
23	26.2/23.4m	—	—	—	—	—	23	
24	25.6	25.0/24.6m	—	—	—	—	24	
26	23.6	23.6	21.5/27.2m	—	—	—	26	
28	21.5	21.4	20.8	18.4/29.7m	—	—	28	
30	19.7	19.6	19.4	18.4	—	—	30	
32	18.2	18.1	17.8	17.2	16.0/32.3m	—	32	
34	16.8	16.8	16.5	16.1	15.3	—	34	
36	—	15.6	15.3	15.2	14.4	11.5	36	
38	—	14.6	14.3	14.3	13.6	10.8	38	
40	—	—	13.4	13.3	12.8	10.1	40	
42	—	—	12.6	12.6	12.2	9.5	42	
44	—	—	—	11.8	11.4	9.0	44	
46	—	—	—	11.1	10.7	8.5	46	
48	—	—	—	10.5	10.1	8.0	48	
50	—	—	—	—	9.5	7.6	50	
52	—	—	—	—	9.0	7.2	52	
54	—	—	—	—	8.6	6.8	54	
56	—	—	—	—	—	6.5	56	
58	—	—	—	—	—	6.2	58	
60	—	—	—	—	—	5.9	60	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	3	2	2	2	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 47m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
24	24.6/24.2m	22.7/25.4m	—	—	—	—	24	
26	22.7	22.7	—	—	—	—	26	
28	21.0	21.1	20.1	—	—	—	28	
30	19.4	19.3	18.7	17.5/30.5m	—	—	30	
32	17.9	17.8	17.5	16.7	—	—	32	
34	16.5	16.5	16.2	15.6	14.8	—	34	
36	—	15.3	15.0	14.7	13.8	11.3/36.8m	36	
38	—	14.3	14.0	13.9	13.1	11.0	38	
40	—	—	13.1	13.1	12.3	10.3	40	
42	—	—	12.3	12.3	11.6	9.8	42	
44	—	—	11.6	11.6	11.0	9.2	44	
46	—	—	—	10.9	10.4	8.8	46	
48	—	—	—	10.3	9.9	8.2	48	
50	—	—	—	9.7	9.3	7.7	50	
52	—	—	—	—	8.8	7.3	52	
54	—	—	—	—	8.3	7.0	54	
56	—	—	—	—	8.0	6.6	56	
58	—	—	—	—	—	6.3	58	
60	—	—	—	—	—	6.0	60	
62	—	—	—	—	—	5.7	62	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	2	2	2	2	2	1	Rate	

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions							Main Boom 50m Boom Angle 75°)	Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)	
24	22.6/24.9m	—	—	—	—	—	24	
26	21.8	22.0/26.2m	—	—	—	—	26	
28	20.2	20.4	18.5/28.7m	—	—	—	28	
30	18.9	18.9	18.0	16.5/31.3m	—	—	30	
32	17.5	17.4	16.8	16.0	14.2/33.8m	—	32	
34	16.2	16.1	15.7	15.0	14.2	—	34	
36	15.1	15.0	14.7	14.1	13.3	11.3/37.6m	36	
38	—	14.0	13.7	13.3	12.5	11.3	38	
40	—	—	12.9	12.6	11.8	10.5	40	
42	—	—	12.1	11.9	11.1	9.9	42	
44	—	—	11.4	11.2	10.5	9.3	44	
46	—	—	—	10.6	10.0	8.8	46	
48	—	—	—	10.0	9.5	8.4	48	
50	—	—	—	9.4	9.0	7.9	50	
52	—	—	—	—	8.5	7.5	52	
54	—	—	—	—	8.1	7.1	54	
56	—	—	—	—	7.6	6.7	56	
58	—	—	—	—	—	6.4	58	
60	—	—	—	—	—	6.1	60	
62	—	—	—	—	—	5.8	62	
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)	
Rate	2	2	2	2	2	1	Rate	

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions

Main Boom 53m Boom Angle 75°)

Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
25	21.0/25.7m	—	—	—	—	—	25
26	20.9	20.0/27m	—	—	—	—	26
28	19.4	19.6	17.2/29.5m	—	—	—	28
30	18.2	18.3	17.2	—	—	—	30
32	17.0	17.0	16.1	15.3	—	—	32
34	15.9	15.7	15.1	14.4	14.0/34.6m	—	34
36	14.8	14.6	14.2	13.5	13.6	—	36
38	—	13.7	13.4	12.7	12.8	10.7/38.4m	38
40	—	12.8	12.6	12.0	12.1	10.3	40
42	—	—	11.8	11.4	11.4	9.7	42
44	—	—	11.1	10.8	10.7	9.2	44
46	—	—	10.5	10.3	10.2	8.6	46
48	—	—	—	9.7	9.6	8.2	48
50	—	—	—	9.1	9.1	7.7	50
52	—	—	—	—	8.6	7.4	52
54	—	—	—	—	8.2	7.0	54
56	—	—	—	—	7.7	6.7	56
58	—	—	—	—	—	6.4	58
60	—	—	—	—	—	6.0	60
62	—	—	—	—	—	5.8	62
Couterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Couterweight (t)
Rate	2	2	2	2	2	1	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 23m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
10	61.3/10.3m	54.3/11.1m	—	—	—	—	10
12	54.8	54.3	54.3/11.9m	—	—	—	12
14	48.7	48.7	48.4	35.8/13.4m	—	—	14
16	42.2	42.0	41.3	35.5	26.2	—	16
18	35.6	35.4	34.7	32.9	24.5	15.6/17.3m	18
20	30.7	30.6	30.4	29.9	22.6	14.4	20
22	26.8	26.6	26.5	25.7	21.0	13.3	22
24	23.7	23.5	23.4	21.8	19.6	12.5	24
26	—	21.7	21.1	20.3	18.5	11.6	26
28	—	19.8	19.6	19.0	17.3	10.9	28
30	—	—	17.8	17.2	16.4	10.2	30
32	—	—	16.2	15.5	14.5	9.5	32
34	—	—	—	14.8	13.5	9.0	34
36	—	—	—	13.5	12.5	8.5	36
38	—	—	—	—	11.5	8.0	38
40	—	—	—	—	10.5	7.6	40
42	—	—	—	—	9.1	7.2	42
44	—	—	—	—	—	6.8	44
46	—	—	—	—	—	6.3	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	5	5	3	3	2	Rate

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 26m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
10	54.8/10.6m	—	—	—	—	—	10
12	54.8	54.3/11.4m	54.3/12.9m	—	—	—	12
14	48.4	48.4	48.4	35.5/15m	—	—	14
16	41.3	41.3	41.3	35.5	26.2	—	16
18	34.7	35.4	35.4	32.9	24.5	15.5/18.3m	18
20	30.6	30.4	30.4	30.4	22.6	14.4	20
22	25.7	25.7	25.7	25.7	21.0	13.3	22
24	24.4	23.4	23.4	23.4	19.6	12.5	24
26	—	21.7	21.1	21.1	18.5	11.6	26
28	—	19.6	19.0	19.0	17.3	10.9	28
30	—	—	17.2	17.2	16.4	10.2	30
32	—	—	16.2	16.2	15.5	9.5	32
34	—	—	14.8	14.8	14.7	9.0	34
36	—	—	—	13.5	13.5	8.5	36
38	—	—	—	12.5	12.5	8.0	38
40	—	—	—	11.5	11.5	7.6	40
42	—	—	—	—	10.5	7.2	42
44	—	—	—	—	9.1	6.8	44
46	—	—	—	—	8.1	6.3	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.5	54
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	5	5	3	3	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 29m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
11	59.7/10.8m	—	—	—	—	—	11
12	54.9	54.3/11.6m	50/13.2m	—	—	—	12
14	49.3	49.3	49.3	35.8/14.7m	—	—	14
16	43.0	43.0	43.0	35.8	26.2/16.3m	—	16
18	36.1	35.9	35.3	33.1	24.6	15.0/18.6m	18
20	31.0	30.8	30.8	30.2	22.8	14.5	20
22	27.0	26.8	26.8	26.5	21.1	13.4	22
24	24.7	23.9	23.6	23.2	19.7	12.5	24
26	22.0	21.5	21.3	21.0	18.5	11.7	26
28	—	19.7	19.1	18.8	17.4	10.9	28
30	—	—	17.3	17.1	16.4	10.2	30
32	—	—	16.3	16.0	15.6	9.5	32
34	—	—	14.8	14.8	14.8	9.0	34
36	—	—	—	13.6	13.5	8.5	36
38	—	—	—	11.9	12.5	8.0	38
40	—	—	—	11.6	11.6	7.6	40
42	—	—	—	—	10.7	7.2	42
44	—	—	—	—	9.4	6.8	44
46	—	—	—	—	8.2	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.5	54
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	5	4	3	3	2	Rate

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 32m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
11	54.8/11.1m	—	—	—	—	—	11
12	54.8	54.3/11.9m	—	—	—	—	12
14	49.6	49.1	47.3/13.4m	35.8/15m	—	—	14
16	43.4	43.1	42.3	35.8	26.2/16.5m	—	16
18	36.4	36.1	35.5	33.2	24.7	15/18.9m	18
20	31.2	31.0	30.8	30.3	22.8	14.6	20
22	28.1	27.2	27.0	26.4	21.2	13.5	22
24	24.7	24.0	23.8	23.2	19.8	12.6	24
26	21.6	21.6	21.4	21.1	18.6	11.7	26
28	—	19.3	19.2	19.1	17.4	10.9	28
30	—	—	17.9	17.5	16.4	10.2	30
32	—	—	16.4	16.1	15.6	9.5	32
34	—	—	14.8	14.8	14.7	9.0	34
36	—	—	—	13.7	13.6	8.5	36
38	—	—	—	12.8	12.6	8.1	38
40	—	—	—	11.7	11.6	7.6	40
42	—	—	—	—	10.7	7.2	42
44	—	—	—	—	9.5	6.8	44
46	—	—	—	—	8.5	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.5	54
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	5	4	3	3	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 35m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	54.9/11.4m	54.3/12.1m	—	—	—	—	12
14	49.9	49.5	47.3/13.7m	—	—	—	14
16	43.8	43.5	42.7	35.8/15.2m	26.2/16.8m	—	16
18	36.7	36.4	35.8	33.3	24.7	15.6/19m	18
20	31.5	31.2	30.9	30.6	22.9	14.6	20
22	28.3	27.4	27.1	27.0	21.3	13.5	22
24	24.9	24.1	23.9	21.7	19.9	12.6	24
26	22.2	21.5	20.9	19.5	18.6	11.7	26
28	—	19.9	19.3	17.5	17.5	11.0	28
30	—	—	18.0	17.4	16.4	10.3	30
32	—	—	17.2	15.8	15.6	9.6	32
34	—	—	15.0	14.9	14.8	9.0	34
36	—	—	—	13.7	13.6	8.5	36
38	—	—	—	12.6	12.3	8.0	38
40	—	—	—	11.6	11.5	7.6	40
42	—	—	—	—	10.7	7.2	42
44	—	—	—	—	9.6	6.8	44
46	—	—	—	—	8.6	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.5	54
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	5	4	3	3	2	Rate

SCC1800 Load Charts of Crawler Crane							
(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 38m Boom Angle 85°)							Unit: t
Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	55/11.6m	47.3/12.4m	—	—	—	—	12
14	49.8	47.3	47.3	35.8/15.5m	—	—	14
16	43.8	43.5	43.1	35.8	—	—	16
18	36.9	36.7	36.1	33.4	24.8	—	18
20	31.6	31.4	31.0	30.8	23.0	13.5/19.4m	20
22	28.5	27.5	27.2	26.7	21.3	13.5	22
24	25.0	24.2	24.0	22.0	19.9	12.6	24
26	22.3	21.6	20.7	18.6	17.6	11.8	26
28	—	20.0	19.4	17.5	17.5	11.0	28
30	—	—	18.0	17.4	16.5	10.3	30
32	—	—	16.4	15.6	15.6	9.6	32
34	—	—	15.0	14.8	14.6	9.0	34
36	—	—	—	13.8	13.7	8.5	36
38	—	—	—	12.6	12.5	8.0	38
40	—	—	—	11.6	11.0	7.6	40
42	—	—	—	—	10.7	7.2	42
44	—	—	—	—	9.7	6.8	44
46	—	—	—	—	8.7	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.5	54
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	5	4	4	3	2	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 41m Boom Angle 85° Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	47.3/11.9m	47.3/12.7m	—	—	—	—	12
14	47.3	47.3	47.2/14.2m	—	—	—	14
16	43.5	44.3	42.7	35.7/15.8m	25.2/17.3m	—	16
18	36.3	37.0	37.2	33.5	24.9	—	18
20	30.9	31.6	31.8	31.1	23.1	14.7/19.6m	20
22	26.8	27.4	27.7	28.5	21.4	13.6	22
24	22.4	24.0	24.3	25.2	20.0	12.6	24
26	18.3	21.3	21.7	22.4	18.6	11.8	26
28	—	18.4	19.4	20.1	17.5	11.0	28
30	—	15.5	17.5	18.1	16.5	10.3	30
32	—	—	15.8	16.4	15.6	9.6	32
34	—	—	13.7	15.0	14.8	9.1	34
36	—	—	—	13.8	13.7	8.6	36
38	—	—	—	12.6	12.6	8.0	38
40	—	—	—	11.1	11.6	7.6	40
42	—	—	—	—	10.8	7.2	42
44	—	—	—	—	9.8	6.9	44
46	—	—	—	—	8.7	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.4	54
56	—	—	—	—	—	4.9	56
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	4	4	4	3	2	2	Rate

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 44m Boom Angle 85° Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	47.3/12.1m	47.3/12.9m	—	—	—	—	12
14	47.3	47.3	45.0/14.5m	—	—	—	14
16	43.9	43.7	41.8	35.3	—	—	16
18	37.5	37.3	36.6	33.7	25/17.5m	—	18
20	32.0	31.8	31.2	31.2	23.1	14.7/19.9m	20
22	28.7	27.8	27.6	27.0	21.5	13.6	22
24	25.3	24.5	24.2	22.7	20.0	12.6	24
26	22.4	21.7	21.4	19.0	18.7	11.8	26
28	—	20.2	19.4	18.6	17.6	11.0	28
30	—	18.2	17.5	16.5	16.0	10.3	30
32	—	—	16.5	15.8	15.6	9.6	32
34	—	—	15.1	14.8	13.7	9.1	34
36	—	—	13.8	13.7	12.7	8.6	36
38	—	—	—	12.6	11.7	8.0	38
40	—	—	—	11.7	10.8	7.6	40
42	—	—	—	10.8	9.9	7.2	42
44	—	—	—	—	8.9	6.9	44
46	—	—	—	—	7.9	6.5	46
48	—	—	—	—	—	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.4	54
56	—	—	—	—	—	5.1	56
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	4	4	4	3	2	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 47m Boom Angle 85° Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	47.3/12.4m	47.3/13.2m	—	—	—	—	12
14	47.3	47.3	35.8/14.7m	—	—	—	14
16	43.2	42.9	35.8	34.2/16.3m	25.2/17.8m	—	16
18	37.6	36.9	35.8	33.7	25.1	—	18
20	32.3	32.0	31.4	31.3	23.2	14.8/20.2m	20
22	29.0	27.9	27.8	27.1	21.5	13.7	22
24	25.5	24.6	24.3	23.0	20.1	12.6	24
26	22.6	21.8	21.5	19.5	18.7	11.8	26
28	—	20.2	19.5	18.9	17.6	11.0	28
30	—	18.3	17.6	16.6	16.5	10.3	30
32	—	—	16.6	15.9	15.6	9.6	32
34	—	—	15.1	14.8	14.0	9.1	34
36	—	—	13.9	13.8	13.1	8.6	36
38	—	—	—	12.7	12.1	8.0	38
40	—	—	—	11.7	11.0	7.6	40
42	—	—	—	10.8	10.1	7.2	42
44	—	—	—	—	10.0	6.9	44
46	—	—	—	—	8.9	6.5	46
48	—	—	—	—	8.0	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.4	54
56	—	—	—	—	—	5.1	56
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	4	4	3	3	2	2	Rate

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 50m Boom Angle 85° Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	47.3/12.7m	35.8/13.4m	—	—	—	—	12
14	47.3	35.8	—	—	—	—	14
16	42.3	35.8	35.8	32.9/16.6m	—	—	16
18	37.1	35.8	35.8	32.6	25.2/18.1m	—	18
20	32.4	32.3	31.6	31.4	23.2	14.9/20.4m	20
22	28.7	28.1	27.8	27.2	21.6	13.7	22
24	25.5	24.7	24.4	23.3	20.1	12.7	24
26	22.7	21.9	21.6	20.1	18.8	11.8	26
28	20.3	19.6	19.1	17.7	17.5	11.0	28
30	—	18.4	17.6	16.8	16.6	10.3	30
32	—	—	16.6	15.9	15.7	9.7	32
34	—	—	15.2	14.8	14.4	9.1	34
36	—	—	13.9	13.8	12.8	8.6	36
38	—	—	—	12.7	12.6	8.1	38
40	—	—	—	8.8	11.7	7.6	40
42	—	—	—	6.1	10.8	7.2	42
44	—	—	—	—	10.0	6.9	44
46	—	—	—	—	9.0	6.5	46
48	—	—	—	—	8.1	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.4	54
56	—	—	—	—	—	5.1	56
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	4	3	3	3	2	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.
 2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

SCC1800 Load Charts of Crawler Crane

(LJ-Charts Load of Jib for Luffing Jib Conditions Main Boom 53m Boom Angle 85°) Unit: t

Boom(m) Radius(m)	22	25	31	37	43	52	Boom(m) Radius(m)
12	35.8/12.9m	35.8/13.7m	—	—	—	—	12
14	35.8	35.8	35.8/15.3m	—	—	—	14
16	35.8	35.8	35.8	31.7/16.8m	—	—	16
18	35.8	35.8	35.4	31.3	23.7/18.4m	—	18
20	32.1	32.4	32.1	30.8	23.3	14.9/20.7m	20
22	27.7	28.0	28.7	28.2	21.7	13.8	22
24	23.9	24.6	25.2	25.7	20.2	12.7	24
26	21.9	21.7	22.5	22.8	18.8	11.8	26
28	20.2	17.8	20.0	20.4	17.7	11.0	28
30	—	16.4	17.9	18.4	16.6	10.3	30
32	—	—	16.3	16.7	15.7	9.7	32
34	—	—	15.2	15.2	14.8	9.1	34
36	—	—	14.2	14.0	13.9	8.6	36
38	—	—	—	12.8	12.7	8.1	38
40	—	—	—	12.0	11.8	7.7	40
42	—	—	—	11.0	10.8	7.2	42
44	—	—	—	—	10.0	6.9	44
46	—	—	—	—	9.1	6.5	46
48	—	—	—	—	8.2	6.2	48
50	—	—	—	—	—	5.9	50
52	—	—	—	—	—	5.7	52
54	—	—	—	—	—	5.4	54
56	—	—	—	—	—	5.1	56
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	Counterweight (t)
Rate	3	3	3	3	2	2	Rate

Notes: 1. The actual lifting capacity is obtained by deducting the weight of the hook blocks, wire rope and riggings from the value of rated load in the table.

2. The rated load value in the charts is calculated in condition that the crane is lifting a load slowly and steadily from level and hard soil ground, and that the crane is not in the pick-and-carry mode.

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