

■ Boom and Jib boom composition (Standard)

Boom length	Boom composition
13	6.5 (Inner) + 6.5 (Outer)
16	6.5 + 3 + 6.5
19	6.5 + 6 + 6.5
22	6.5 + 9 + 6.5
25	6.5 + 3 + 9 + 6.5
28	6.5 + 6 + 9 + 6.5
31	6.5 + 9 + 9 + 6.5
34	6.5 + 3 + 9 + 9 + 6.5
37	6.5 + 6 + 9 + 9 + 6.5
40	6.5 + 9 + 9 + 9 + 6.5
43	6.5 + 3 + 9 + 9 + 9 + 6.5
46	6.5 + 6 + 9 + 9 + 9 + 6.5
49	6.5 + 9 + 9 + 9 + 9 + 6.5
52	6.5 + 3 + 9 + 9 + 9 + 9 + 6.5
55	6.5 + 6 + 9 + 9 + 9 + 9 + 6.5
58	6.5 + 3 + 6 + 9 + 9 + 9 + 9 + 6.5

(unit : m)

Jib boom length	Jib boom composition
1	1 (Aux. jib)
10	4.5 (Inner) + 5.5 (Outer)
13	4.5 + 3 + 5.5
16	4.5 + 3 + 3 + 5.5
19	4.5 + 3 + 6 + 5.5
22	4.5 + 3 + 3 + 6 + 5.5

Note : Above compotion is in case ordered 58 m boom + 22 m jib boom.

■ Rated lifting loads

(Unit : metric ton)

Working radius (m)	Boom length (m)															
	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58
4.0	80.0															
4.5	72.0	71.9														
5.0	60.0	59.9	59.8													
6.0	45.0	44.9	44.8	44.7	44.6											
7.0	36.0	35.9	35.8	35.7	35.6	35.5	35.4									
8.0	29.5	29.4	29.3	29.2	29.1	29.0	28.9	28.8	28.7							
9.0	25.0	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.2	24.1	24.0		20.6			
10.0	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.7	16.0			
12.0	17.2	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	13.0	15.9	15.8	15.0
14.0		14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2	13.1	10.8	12.9	12.8	12.7
16.0			11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	9.1	10.7	10.6	10.5
18.0				10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	7.8	9.0	8.9	8.8
20.0				8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	6.7	7.6	7.5	7.4
22.0					7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	5.8	6.5	6.4	6.3
24.0						6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.1	5.6	5.5	5.4
26.0							5.7	5.6	5.5	5.4	5.3	5.2	4.5	4.9	4.8	4.7
28.0							5.1	5.0	4.9	4.8	4.7	4.6	4.0	4.3	4.2	4.1
30.0								4.5	4.4	4.3	4.2	4.1	3.5	3.8	3.7	3.6
32.0									3.9	3.8	3.7	3.6	3.0	3.3	3.2	3.1
34.0										3.3	3.2	3.1	2.6	2.8	2.7	2.6
36.0										3.0	2.8	2.7	2.3	2.5	2.3	2.2
38.0											2.6	2.5	2.0	2.2	2.0	1.9
40.0												2.2	2.0	1.9	1.7	1.6

Note :

- Above rated loads are based on firm level ground, within 78% of tipping load at any point 360° around the machine and with front stability of 1.15 or more.
- Working radius is horizontal distance from center of rotation to a vertical line through the center line of gravity of the load.
- The weight of the hook block and other lifting devices must be considered to be a part of the load.
 80 ton hook block ---- 1.1 ton
 50 ton hook block ---- 0.7 ton
 30 ton hook block ---- 0.6 ton
 10 ton hook block ---- 0.4 ton (for jib boom)
- Crawler frame and A-frame should also be extended before working.

- When the jib boom fitted, actual loads that can be lifted with the hook block for main hoist should be reduced the following weight from the rated loads shown in table below (the weight to be deducted includes that of the auxiliary hoist hook block).

Jib boom length (m)	1.0	10	13	16	19	22
Weight to be deducted (ton)	0.6	1.7	2.1	2.5	3.0	3.5

- Depending on the number of part lines, rated lifting load is limited as follows:
 1-part line ---- up to 10 ton 5-part line ---- up to 50 ton
 2-part line ---- up to 20 ton 6-part line ---- up to 60 ton
 3-part line ---- up to 30 ton 7-part line ---- up to 70 ton
 4-part line ---- up to 40 ton 8-part line ---- up to 80 ton

- The rated load for jib should not exceed the value in the table below.

Jib offser angle	jib boom length					
	1m	10m	13m	16m	19m	22m
	15°	10	8	8	5	5
30°	10	5	5	5	3.5	3.5

- The angle formed by the extension line of the main boom and center line of the jib boom should not exceed 30° under loaded condition.
- 1m aux. jib can be installed to 13 to 52 m main boom. The rated loads for the 1m aux. jib must be reduced 0.5 ton from rated lifting loads of the main boom. However do not exceed 10 ton.