

**KOBELCO**

**HYDRAULIC CRAWLER CRANE**

***CKL2600i***

Model: CKL2600i



**Max. Lifting Capacity: 260 t x 4.6 m**  
**Max. Crane Boom Length: 91.4 m**  
**Max. Fixed Jib Combination: 76.2 + 30.5 m**  
**Max. Luffing Jib Combination: 61.0 + 61.0 m**

# CONFIGURATION

## Crane Boom

Max. Lifting Capacity:  
260 metric ton x 4.6 m  
Max. Boom Length:  
91.4 m



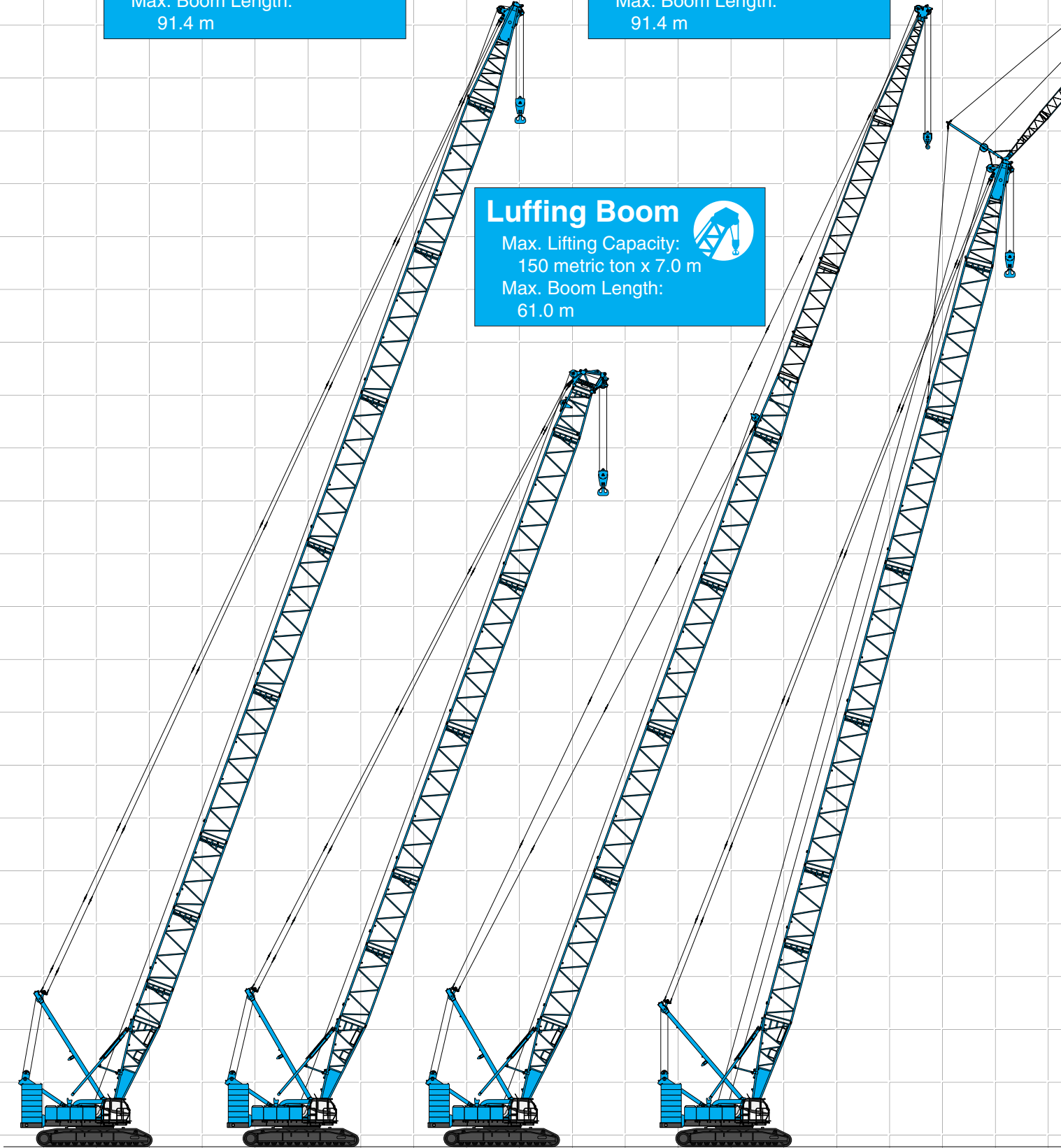
## Long Boom

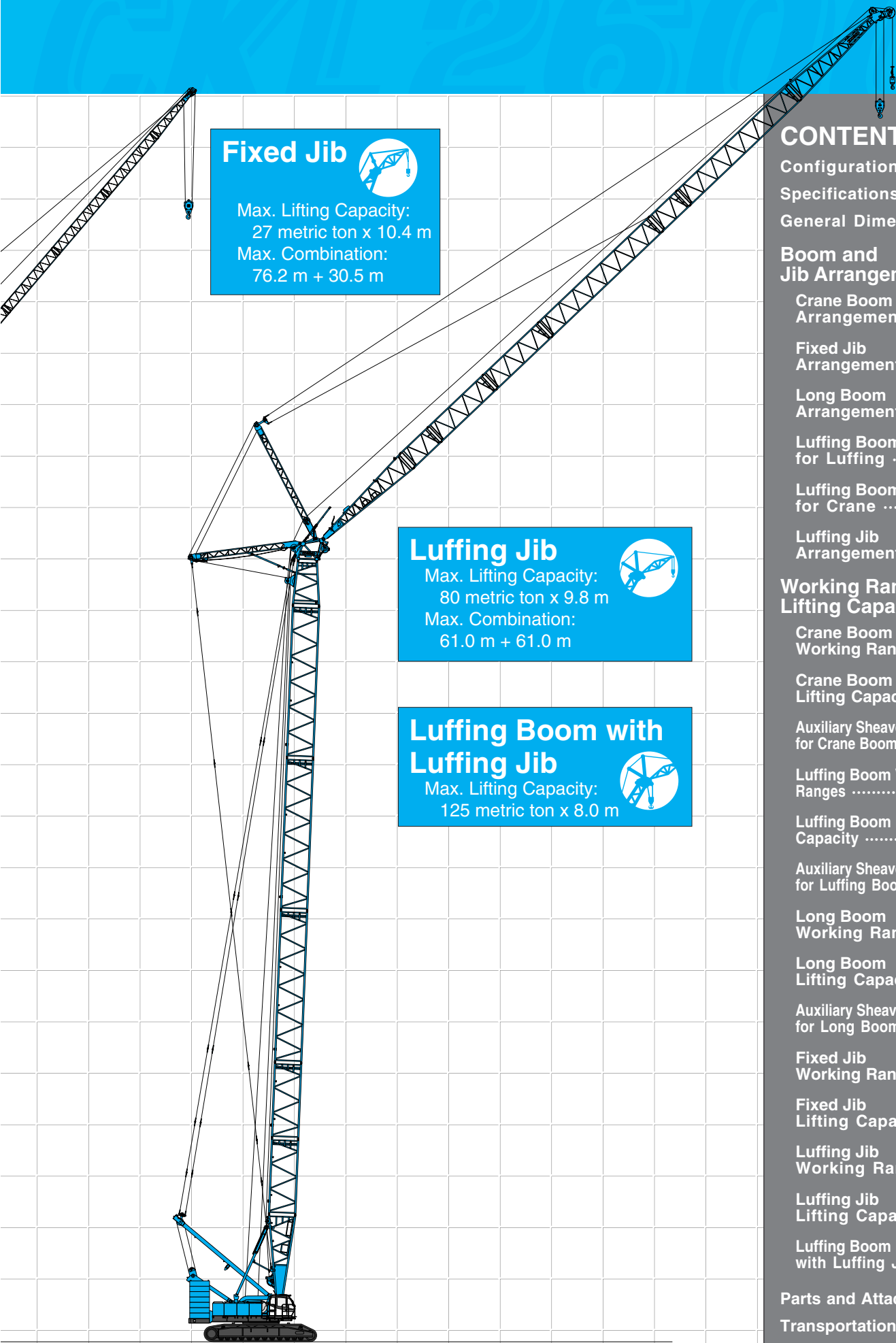
Max. Lifting Capacity:  
47.1 metric ton x 12.8 m  
Max. Boom Length:  
91.4 m




## Luffing Boom


Max. Lifting Capacity:  
150 metric ton x 7.0 m  
Max. Boom Length:  
61.0 m






**Fixed Jib** 

Max. Lifting Capacity:  
27 metric ton x 10.4 m  
Max. Combination:  
76.2 m + 30.5 m

**Luffing Jib** 

Max. Lifting Capacity:  
80 metric ton x 9.8 m  
Max. Combination:  
61.0 m + 61.0 m

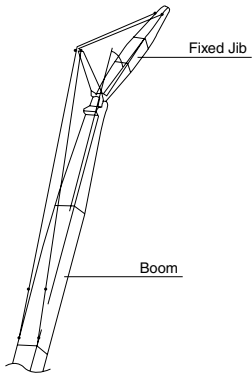
**Luffing Boom with Luffing Jib** 

Max. Lifting Capacity:  
125 metric ton x 8.0 m

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# Fixed Jib Arrangements



Crane boom length	Jib length m (ft)	Jib arrangement
27.4 m } 76.2 m	12.2 (40)	
	18.3 (60)	
	24.4 (80)	
	30.5 (100)	

Symbol	Jib Length	Remarks
	4.6 m	Jib Base
	4.6 m	Jib Top
	3.0 m	Insert Jib
	6.1 m	Insert Jib

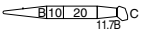
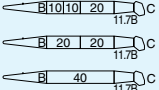
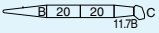
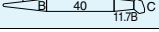
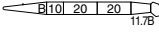
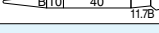
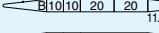
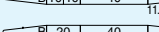
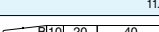
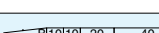
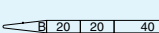
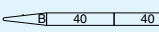
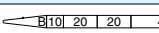
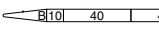
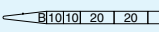
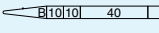
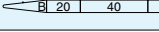
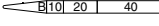

# Long Boom Arrangements

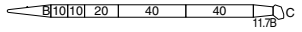
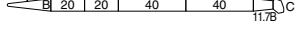
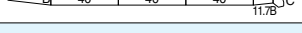
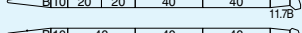

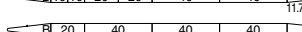
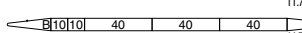
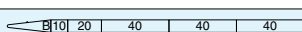
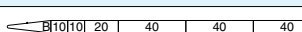
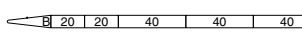
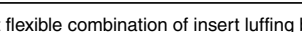
Boom length m (ft)	Boom arrangement
64.0 (210)	
67.1 (220)	
70.1 (230)	
73.2 (240)	<p>※</p>
76.2 (250)	<p>※</p>
79.3 (260)	<p>※</p>
82.3 (270)	<p>※</p>
85.3 (280)	<p>※</p>
88.4 (290)	<p>※</p>
91.4 (300)	<p>※</p>

※ Indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.







Symbol	Long Boom Length	Remarks
	7.6 m	Boom Base
	9.1 m	Luffing Jib Top
	3.0 m	Insert Boom
	6.1 m	Insert Boom
	12.2 m	Insert Boom
	4.6 m	Tapered Boom
	3.0 m	Relay Jib
	3.0 m	Luffing Insert Jib
	6.1 m	Luffing Insert Jib
	12.2 m	Luffing Insert Jib

## Luffing Boom Arrangements for Luffing

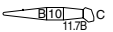
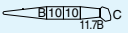
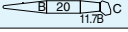
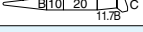
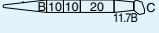
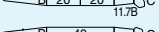

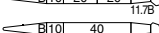
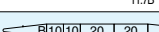
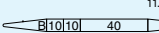
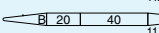
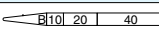
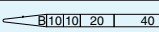
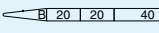
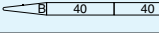
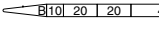
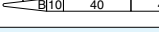
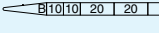
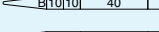
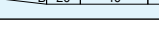

Boom length m (ft)	Boom arrangement
21.3 (70)	※ 
24.4 (80)	※   
27.4 (90)	※  
30.5 (100)	※   
33.5 (110)	※ 
36.6 (120)	※   
39.6 (130)	※  
42.7 (140)	※   
45.7 (150)	※ 

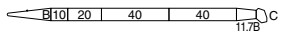
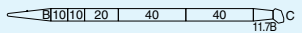
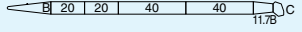
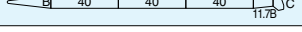
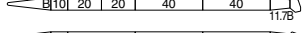
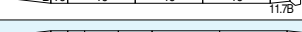
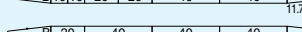

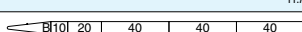
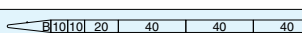
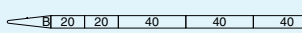
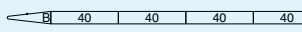
Boom length m (ft)	Boom arrangement
48.8 (160)	※   
51.8 (170)	※  
54.9 (180)	※   
57.9 (190)	※ 
61.0 (200)	※  

※ Indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.







Symbol	Luffing Boom Length	Remarks
	7.6 m	Boom Base
	1.0 m	Luffing Boom Top
	3.6 m	Luffing Tapered Boom
	3.0 m	Insert Boom
	6.1 m	Insert Boom
	12.2 m	Insert Boom

## Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
15.2 (50)	
18.3 (60)	※  
21.3 (70)	※ 
24.4 (80)	※   
27.4 (90)	※  
30.5 (100)	※   
33.5 (110)	※ 
36.6 (120)	※   
39.6 (130)	※  
42.7 (140)	※   

Boom length m (ft)	Boom arrangement
45.7 (150)	※ 
48.8 (160)	※   
51.8 (170)	※  
54.9 (180)	※   
57.9 (190)	※ 
61.0 (200)	※  

※ Indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Symbol	Luffing Boom Length	Remarks
	7.6 m	Boom Base
	1.0 m	Luffing Boom Top
	3.6 m	Luffing Tapered Boom
	3.0 m	Insert Boom
	6.1 m	Insert Boom
	12.2 m	Insert Boom

# Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
21.3 (70)	※
24.4 (80)	※
27.4 (90)	※ 
30.5 (100)	※
33.5 (110)	※  
36.6 (120)	※ 

Jib length m (ft)	Jib arrangement
39.6 (130)	※  
42.7 (140)	※
45.7 (150)	※  
48.8 (160)	※ 

↖ mark shows the installing position for mid suspension guy line.

※ Indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

Jib length m (ft)	Jib arrangement
51.8 (170)	※ 
54.9 (180)	※
57.9 (190)	※ 
61.0 (200)	※

Symbol	Luffing Jib Length	Remarks
	9.1 m	Luffing Jib Base
	9.1 m	Luffing Jib Top
	3.0 m	Relay Jib
	3.0 m	Luffing Insert Jib
	6.1 m	Luffing Insert Jib
	12.2 m	Luffing Insert Jib

## Luffing Boom and Jib Combinations.

		Jib Length (m)														
		21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	
Boom Length (m)	21.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	24.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	27.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	30.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	33.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	36.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	39.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	42.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	45.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	48.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	51.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	54.9	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
57.9	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
61.0	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	

○ : Combinations which is allowed.    × : Combinations which is not allowed.



## Hook Blocks

A range of hook blocks can be specified, each with a safety latch.

Hooks	Weight (kg)	No. of sheaves	No. of lines and max. rated loads (tons)							
			1	2	3	4	5	6	7	8
260-ton	4,160	11	-	-	-	54.0	-	81.0	-	108.0
150-ton	2,300	6	-	-	40.5	54.0	67.5	81.0	94.5	108.0
70-ton	1,200	3	-	27.0	40.5	54.0	67.5	70.0	-	-
35-ton	900	1	-	27.0	35.0	-	-	-	-	-
13.5-ton ball hook	450	0	13.5	-	-	-	-	-	-	-

Hooks	Weight (kg)	No. of sheaves	No. of lines and max. rated loads (tons)							
			9	10	12	14	16	18	20	22
260-ton	4,160	11	-	135.0	160.0	183.0	205.0	227.0	240.0	260.0
150-ton	2,300	6	121.5	135.0	150.0	-	-	-	-	-
70-ton	1,200	3	-	-	-	-	-	-	-	-
35-ton	900	1	-	-	-	-	-	-	-	-
13.5-ton ball hook	450	0	-	-	-	-	-	-	-	-



## Main Hoist Drum Rated Loads in Metric Tons

No. of Parts of Line	1	2	3	4	5	6	7	8
Max. Loads (ton)	13.5	27.0	40.5	54.0	67.5	81.0	94.5	108.0
No. of Parts of Line	9	10	12	14	16	18	20	22
Max. Loads (ton)	121.5	135.0	160.0	183.0	205.0	227.0	240.0	260.0

## Style and Combination of Boom and Jib

	Style	Crane Boom	Luffing Boom	Long Boom	Fixed Jib	Luffing Jib
Boom	7.6 m boom base	Common use(1)	Common use(1)	Common use(1)	Common use(1)	Common use(1)
	7.6 m boom top	Common use(1)	N.A.	N.A.	Common use(1)	N.A.
	1.0 m luffing boom top	N.A.	Common use(1)	N.A.	N.A.	Common use(1)
	3.0 m insert boom	Common use(1)	Common use(2)	Common use(2)	Common use(2)	Common use(2)
	6.1 m insert boom	Common use(2)	Common use(1)	Common use(1)	Common use(1)	Common use(1)
	12.2 m insert boom	Common use(5)	Common use(3)	Common use(3)	Common use(4)	Common use(3)
	3.6 m luffing tapered boom	N.A.	Common use(1)	N.A.	N.A.	Common use(1)
	4.6 m tapered boom	N.A.	N.A.	Long Boom only(1)	N.A.	N.A.
Jib	4.6 m jib base	-	-	N.A.	Fixed jib only(1)	N.A.
	4.6 m jib top	-	-	N.A.	Fixed jib only(1)	N.A.
	3.0 m insert jib	-	-	N.A.	Fixed jib only(1)	N.A.
	6.1 m insert jib	-	-	N.A.	Fixed jib only(3)	N.A.
	9.1 m luffing jib base	-	-	N.A.	N.A.	Luffing jib only(1)
	9.1 m luffing jib top	-	-	Common use(1)	N.A.	Common use(1)
	3.0 m relay jib	-	-	Common use(1)	N.A.	Common use(1)
	3.0 m luffing insert jib	-	-	Common use(2)	N.A.	Common use(1)
	6.1 m luffing insert jib	-	-	Common use(2)	N.A.	Common use(2)
	12.2 m luffing insert jib	-	-	Common use	N.A.	Common use(2)

Note: 1. Figure in ( ) means the numbers of the maximum usable boom (or jib) respectively.  
2. N.A.: Not applicable

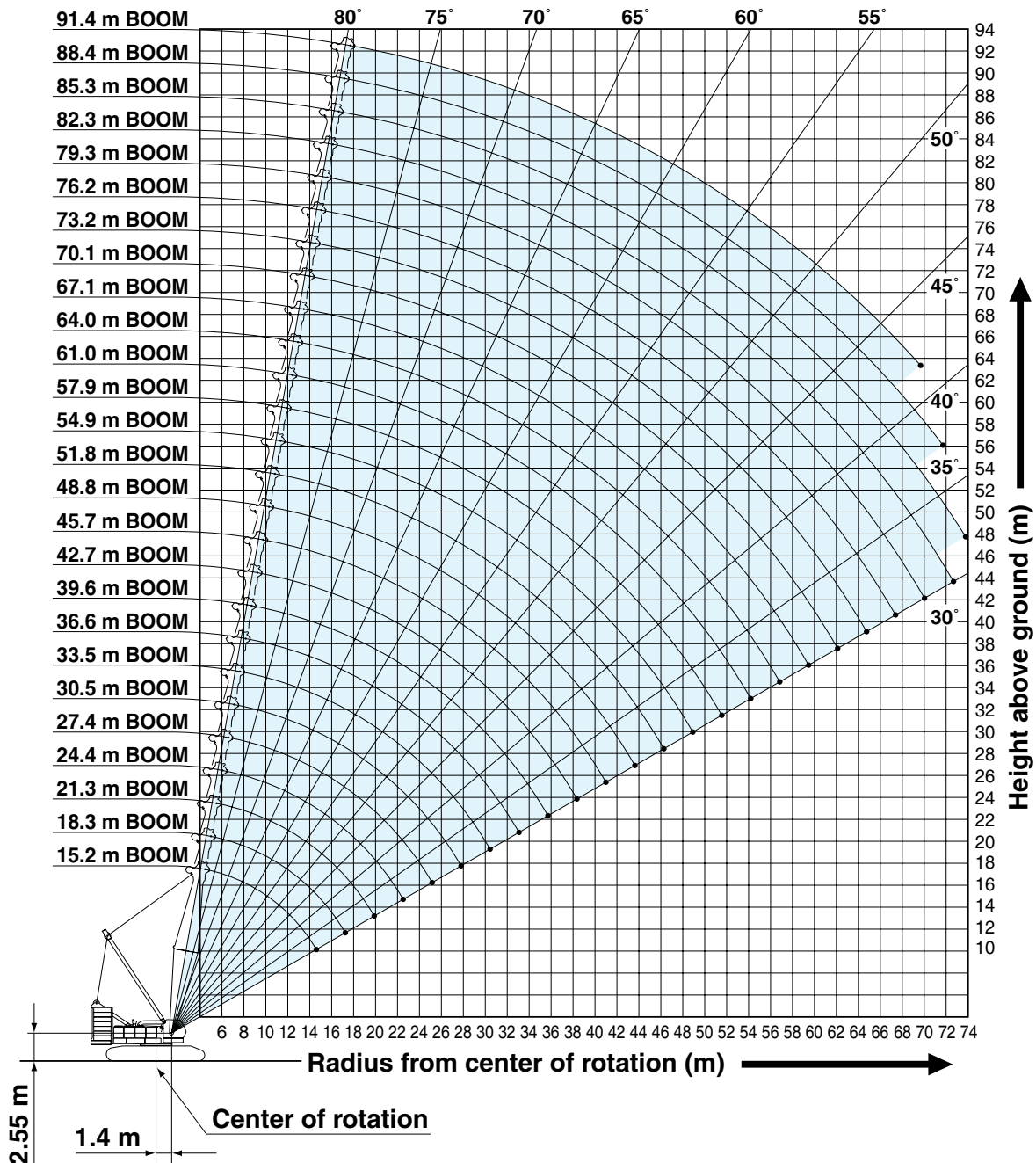
## Symbols for Attachments:

Crane Boom	Auxiliary Sheave for Crane Boom	Luffing Boom	Auxiliary Sheave for Luffing Boom	Long Boom	Auxiliary Sheave for Long Boom	Fixed Jib	Luffing Jib	Luffing Boom with Luffing Jib



# WORKING RANGES AND LIFTING CAPACITIES

## Crane Boom Working Ranges



### NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in  are determined by the strength of the boom or other structural component.
14. When erecting or lowering the boom length of 88.4 m or over, the pillow plate for erection must be placed at the end of crawlers.
15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
16. Crane boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from crane boom ratings shown.
17. Auxiliary sheave ratings for crane boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for crane boom shown.
18. Crane boom lengths for auxiliary sheave mounting are 15.2 m to 88.4 m.





# Crane Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Working radius (m)	Boom Length (m)													Working radius (m)														
	4.6	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0		24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	
4.6	4.6 m/260.0																											4.6
5.0	230.7	226.7	5.5m/205.0																									5.0
6.0	191.5	191.5	191.1	6.1 m/183.0	6.6 m/174.5																							6.0
7.0	165.9	165.6	165.2	165.0	164.7	7.1 m/154.2	7.7 m/143.8																					7.0
8.0	146.1	145.8	145.4	145.2	144.9	144.6	141.4	8.2 m/127.3	8.7 m/115.7																			8.0
9.0	130.4	130.1	129.8	129.6	129.2	127.0	127.3	123.8	114.8	9.2 m/107.2	9.8 m/98.3																	9.0
10.0	117.7	117.4	117.1	116.9	114.7	115.0	113.3	110.5	107.4	103.8	97.0	10.3 m/92.6	10.8 m/84.7															10.0
12.0	90.0	90.2	90.2	90.2	90.2	90.1	90.0	89.9	87.8	85.9	83.8	82.0	79.5															12.0
14.0	72.2	72.4	72.4	72.4	72.3	72.2	72.1	72.0	72.0	72.0	70.8	69.4	68.0															14.0
16.0	14.8 m/65.7	60.2	60.2	60.2	60.0	59.9	59.8	59.8	59.7	59.6	59.4	59.3	58.7															16.0
18.0		17.5 m/53.5	51.3	51.3	51.1	51.1	50.9	50.8	50.7	50.7	50.4	50.3	50.2															18.0
20.0			44.6	44.6	44.4	44.3	44.1	44.0	43.9	43.9	43.6	43.5	43.4															20.0
22.0			20.1m/44.3	39.3	39.1	39.0	38.7	38.7	38.6	38.5	38.3	38.2	38.0															22.0
24.0				22.7 m/37.6	34.8	34.7	34.5	34.4	34.3	34.2	34.0	33.8	33.7															24.0
26.0					25.4 m/32.3	31.3	30.9	30.8	30.7	30.7	30.4	30.3	30.1															26.0
28.0						28.3	28.0	27.9	27.8	27.7	27.4	27.3	27.1															28.0
30.0							25.5	25.4	25.2	25.2	24.9	24.8	24.6															30.0
32.0							30.7 m/24.8	23.4	23.1	23.0	22.7	22.6	22.4															32.0
34.0								33.3 m/22.1	21.2	21.1	20.8	20.7	20.5															34.0
36.0									35.9 m/19.7	19.5	19.2	19.1	18.9															36.0
38.0										18.0	17.7	17.6	17.4															38.0
40.0										38.6 m/17.6	16.4	16.3	16.1															40.0
42.0											41.2 m/15.7	15.2	14.9															42.0
44.0												43.9 m/14.2	13.9															44.0
46.0													13.0															46.0
48.0														46.5 m/12.8														48.0
Reeves	22	18	16	14	14	12	12	10	10	8	8	7	7															Reeves

Working radius (m)	Boom Length (m)													Working radius (m)																					
	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0		36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0	72.0	74.0	
10.0	11.4 m/81.4	11.9 m/76.1																																	10.0
12.0	78.0	75.5	12.4 m/68.8	12.9 m/67.5	13.5 m/63.8																													12.0	
14.0	66.5	65.2	63.3	62.5	61.3	59.4	14.5 m/54.5	15.1 m/49.1	15.6 m/44.7																									14.0	
16.0	57.5	56.4	55.4	54.2	53.2	51.2	48.4	44.5	44.5	16.1 m/40.9	16.6 m/37.4	17.2 m/33.8	17.7 m/31.0																					16.0	
18.0	50.0	49.5	48.6	47.6	46.8	45.6	44.9	44.2	43.2	39.7	36.6	33.3	30.9																					18.0	
20.0	43.2	43.0	42.9	42.2	41.5	40.6	39.9	39.2	38.4	37.6	35.4	32.2	29.8																					20.0	
22.0	37.8	37.7	37.5	37.3	37.2	36.5	35.7	35.1	34.4	33.6	32.9	31.2	28.8																					22.0	
24.0	33.5	33.3	33.2	32.9	32.9	32.6	32.2	31.6	30.9	30.2	29.6	29.2	27.7																					24.0	
26.0	29.9	29.7	29.6	29.4	29.3	29.0	28.9	28.6	28.0	27.3	26.8	26.3	25.7																					26.0	
28.0	26.9	26.8	26.6	26.4	26.3	26.0	25.9	25.8	25.4	24.8	24.3	23.9	23.3																					28.0	
30.0	24.4	24.2	24.1	23.8	23.7	23.5	23.3	23.2	23.0	22.6	22.1	21.7	21.2																					30.0	
32.0	22.2	22.0	21.9	21.6	21.5	21.3	21.1	21.0	20.8	20.5	20.2	19.8	19.3																					32.0	
34.0	20.3	20.1	20.0	19.7	19.6	19.4	19.2	19.1	18.9	18.6	18.4	18.1	17.6																					34.0	
36.0	18.6	18.5	18.3	18.1	17.9	17.7	17.5	17.4	17.2	16.9	16.8	16.6	16.1																					36.0	
38.0	17.2	17.0	16.9	16.6	16.5	16.2	16.0	15.9	15.7	15.4	15.3	15.2	14.7																					38.0	
40.0	15.9	15.7	15.5	15.3	15.2	14.9	14.7	14.6	14.4	14.1	13.9	13.8	13.5																					40.0	
42.0	14.7	14.5	14.4	14.1	14.0	13.7	13.5	13.4	13.2	12.9	12.8	12.7	12.4																					42.0	
44.0	13.7	13.5	13.3	13.0	12.9	12.6	12.5	12.3	12.1	11.8	11.7	11.6	11.3																					44.0	
46.0	12.7	12.5	12.4	12.1	12.0	11.7	11.5	11.4	11.2	10.9	10.7	10.6	10.4																					46.0	
48.0	11.9	11.6	11.5	11.2	11.1	10.8	10.7	10.5	10.3	10.0	9.8	9.7	9.4																					48.0	
50.0	49.1 m/11.4	10.9	10.7	10.4	10.3	10.0	9.9	9.7	9.5	9.1	8.9	8.8	8.5																					50.0	
52.0		51.8 m/10.2	10.0	9.7	9.6	9.3	9.1	8.9	8.7	8.3	8.1	8.0	7.7																					52.0	
54.0			9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.6	7.4	7.2	7.0																					54.0	
56.0			54.4 m/9.2	8.4	8.																														



# Auxiliary Sheave Lifting Capacity for Crane Boom (With 70 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Working radius (m)	Boom Length (m)													Working radius (m)
	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	
5.0	5.4 m/27.0	5.8 m/27.0												5.0
6.0	27.0	27.0	6.3 m/27.0	6.9 m/27.0										6.0
7.0	27.0	27.0	27.0	27.0	7.4 m/27.0	7.9 m/27.0								7.0
8.0	27.0	27.0	27.0	27.0	27.0	27.0	8.5 m/27.0							8.0
9.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	9.5 m/27.0					9.0
10.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	10.6 m/27.0	11.1 m/27.0	11.6 m/27.0	10.0
12.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	12.0
14.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	14.0
16.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16.0
18.0	16.5 m/27.0	19.2 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18.0
20.0			27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20.0
22.0			21.8 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.0
24.0				27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	24.0
26.0				24.4 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.0
28.0					27.1 m/26.6	26.4	26.5	26.4	26.3	26.2	25.9	25.8	25.6	28.0
30.0						29.7 m/23.5	24.0	23.9	23.7	23.7	23.4	23.3	23.1	30.0
32.0							32.4 m/21.0	21.9	21.6	21.5	21.2	21.1	20.9	32.0
34.0								19.9	19.7	19.6	19.3	19.2	19.0	34.0
36.0								35.0 m/18.9	17.8	18.0	17.7	17.6	17.4	36.0
38.0									37.6 m/16.3	16.5	16.2	16.1	15.9	38.0
40.0										15.0	14.9	14.8	14.6	40.0
42.0										40.3 m/14.8	13.6	13.7	13.4	42.0
44.0											42.9 m/13.0	12.6	12.4	44.0
46.0												45.6 m/11.7	11.5	46.0
48.0													10.6	48.0
50.0													48.2 m/10.5	50.0
Reeves	2	2	2	2	2	2	2	2	2	2	2	2	2	Reeves

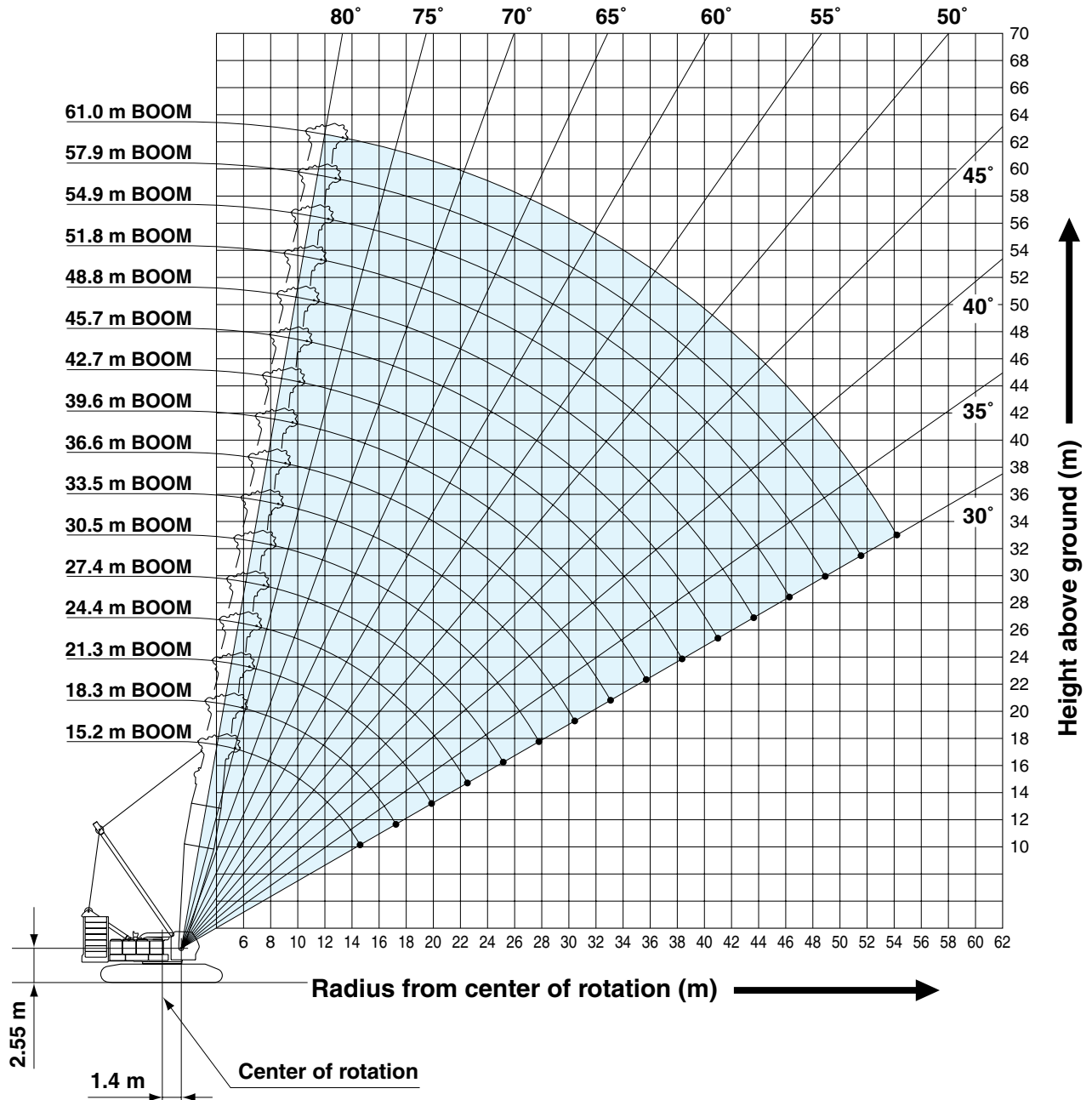
Working radius (m)	Boom Length (m)												Working radius (m)
	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2	79.3	82.3	85.3	88.4	
12.0	12.2 m/27.0	12.7 m/27.0	13.2 m/27.0	13.7 m/27.0									12.0
14.0	27.0	27.0	27.0	27.0	14.3 m/27.0	14.8 m/27.0	15.3 m/27.0	15.9 m/27.0					14.0
16.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16.4 m/27.0	16.9 m/27.0	17.4 m/27.0		16.0
18.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18.0
20.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20.0
22.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.0
24.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	24.0
26.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.5	25.8	25.3	24.8	26.0
28.0	25.4	25.3	25.1	24.9	24.8	24.5	24.4	24.3	23.9	23.3	22.8	22.4	28.0
30.0	22.9	22.7	22.6	22.3	22.2	22.0	21.8	21.7	21.5	21.1	20.6	20.2	30.0
32.0	20.7	20.5	20.4	20.1	20.0	19.8	19.6	19.5	19.3	19.0	18.7	18.3	32.0
34.0	18.8	18.6	18.5	18.2	18.1	17.9	17.7	17.6	17.4	17.1	16.9	16.6	34.0
36.0	17.1	17.0	16.8	16.6	16.4	16.2	16.0	15.9	15.7	15.4	15.3	15.1	36.0
38.0	15.7	15.5	15.4	15.1	15.0	14.7	14.5	14.4	14.2	13.9	13.8	13.7	38.0
40.0	14.4	14.2	14.0	13.8	13.7	13.4	13.2	13.1	12.9	12.6	12.4	12.3	40.0
42.0	13.2	13.0	12.9	12.6	12.5	12.2	12.0	11.9	11.7	11.4	11.3	11.2	42.0
44.0	12.2	12.0	11.8	11.5	11.4	11.1	11.0	10.8	10.6	10.3	10.2	10.1	44.0
46.0	11.2	11.0	10.9	10.6	10.5	10.2	10.0	9.9	9.7	9.4	9.2	9.1	46.0
48.0	10.4	10.1	10.0	9.7	9.6	9.3	9.2	9.0	8.8	8.5	8.3	8.2	48.0
50.0	9.6	9.4	9.2	8.9	8.8	8.5	8.4	8.2	8.0	7.6	7.4	7.3	50.0
52.0	50.8 m/9.3	8.7	8.5	8.2	8.1	7.8	7.6	7.4	7.2	6.8	6.6	6.5	52.0
54.0		53.5 m/8.2	7.8	7.6	7.4	7.1	6.9	6.7	6.4	6.1	5.9	5.7	54.0
56.0			7.1	6.9	6.8	6.4	6.2	6.0	5.7	5.4	5.2	5.0	56.0
58.0			56.1 m/7.1	6.2	6.2	5.8	5.6	5.4	5.1	4.8	4.6	4.4	58.0
60.0				58.8 m/5.9	5.6	5.2	5.0	4.8	4.5	4.2	4.0	3.8	60.0
62.0					61.4 m/5.2	4.7	4.5	4.3	4.0	3.6	3.4	3.3	62.0
64.0						4.2	4.0	3.8	3.5	3.1	2.9	2.8	64.0
66.0							3.5	3.3	3.0	2.7	2.5		66.0
68.0							66.7 m/3.3	2.8	2.6				68.0
70.0								69.3 m/2.5					70.0
Reeves	2	2	2	2	2	2	2	2	2	2	2	2	Reeves

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P12.

# Luffing Boom Working Ranges



## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in  are determined by the strength of the boom or other structural component.
14. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
15. Luffing boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from luffing boom ratings shown.
16. Auxiliary sheave ratings for luffing boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for luffing boom shown.
17. Luffing boom lengths for auxiliary sheave mounting are 15.2 m to 61.0 m.



# Luffing Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Working radius (m)	Boom length (m)												Working radius (m)
	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7		
5.0	5.4 m/150.0	5.9 m/143.6											5.0
6.0	150.0	143.6	6.4 m/143.8										6.0
7.0	150.0	143.6	143.8	144.2	7.5 m/144.6								7.0
8.0	144.9	143.6	143.8	144.0	143.8	132.2	8.6 m/116.0						8.0
9.0	129.2	128.9	128.8	128.4	128.2	123.8	114.6	9.1 m/111.3	9.6 m/100.0				9.0
10.0	116.5	116.2	116.0	115.7	114.0	111.8	109.7	107.7	98.5	10.1 m/95.1	10.7 m/83.0		10.0
12.0	88.9	88.8	88.7	88.6	88.5	88.4	88.3	88.2	86.9	84.9	78.8		12.0
14.0	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2		14.0
16.0	15.3 m/61.6	59.2	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	58.3		16.0
18.0		17.9 m/50.7	50.5	50.4	50.3	50.2	50.1	50.0	49.9	49.8	49.7		18.0
20.0			43.8	43.7	43.6	43.5	43.4	43.3	43.2	43.0	42.9		20.0
22.0			20.6 m/42.2	38.4	38.3	38.2	38.1	38.0	37.9	37.6	37.5		22.0
24.0				23.2 m/35.7	34.1	33.9	33.8	33.7	33.6	33.3	33.2		24.0
26.0					25.8 m/30.8	30.4	30.3	30.2	30.0	29.8	29.7		26.0
28.0						27.4	27.3	27.2	27.1	26.8	26.7		28.0
30.0						28.5 m/26.8	24.9	24.8	24.6	24.3	24.2		30.0
32.0							31.1 m/23.7	22.6	22.4	22.2	22.1		32.0
34.0								33.8 m/21.0	20.6	20.3	20.2		34.0
36.0									18.9	18.6	18.5		36.0
38.0									36.4 m/18.6	17.2	17.1		38.0
40.0										39.0 m/16.5	15.9		40.0
42.0											41.7 m/15.0		42.0
44.0													44.0
46.0													46.0
Reeves	12	12	12	12	12	10	10	10	8	8	7		Reeves

Working radius (m)	Boom length (m)					Working radius (m)
	48.8	51.8	54.9	57.9	61.0	
10.0	11.2 m/81.0	11.7 m/77.9				10.0
12.0	77.3	76.1	12.3 m/73.2	12.8 m/69.2	13.3 m/65.2	12.0
14.0	68.7	64.9	63.8	63.0	62.0	14.0
16.0	58.2	58.0	56.8	54.8	54.0	16.0
18.0	49.6	49.5	49.3	48.9	47.9	18.0
20.0	42.8	42.7	42.5	42.4	42.2	20.0
22.0	37.4	37.3	37.1	37.0	36.9	22.0
24.0	33.1	33.0	32.8	32.7	32.5	24.0
26.0	29.6	29.5	29.2	29.1	29.0	26.0
28.0	26.6	26.5	26.3	26.2	26.0	28.0
30.0	24.1	24.0	23.7	23.6	23.4	30.0
32.0	21.9	21.8	21.5	21.4	21.3	32.0
34.0	20.0	19.9	19.6	19.5	19.4	34.0
36.0	18.4	18.3	18.0	17.9	17.7	36.0
38.0	16.9	16.8	16.5	16.4	16.2	38.0
40.0	15.6	15.5	15.2	15.1	14.9	40.0
42.0	14.5	14.3	14.1	14.0	13.7	42.0
44.0	13.5	13.3	13.0	12.9	12.7	44.0
46.0	44.3 m/13.3	12.4	12.1	12.0	11.7	46.0
48.0		47.0 m/11.9	11.2	11.1	10.9	48.0
50.0			49.6 m/10.6	10.4	10.1	50.0
52.0				9.7	9.4	52.0
54.0				52.2 m/9.6	8.7	54.0
56.0					54.9 m/8.4	56.0
58.0						58.0
60.0						60.0
62.0						62.0
Reeves	6	6	6	6	5	Reeves

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P15.



## Auxiliary Sheave Lifting Capacity for Luffing Boom (With 70 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Working radius (m)	Boom length (m)												Working radius (m)
	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7		
6.0	6.2 m/13.5	6.7 m/13.5											6.0
7.0	13.5	13.5	7.2 m/13.5	7.8 m/13.5									7.0
8.0	13.5	13.5	13.5	13.5	8.3 m/13.5	8.8 m/13.5							8.0
9.0	13.5	13.5	13.5	13.5	13.5	13.5	9.4 m/13.5	9.9 m/13.5					9.0
10.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	10.4 m/13.5	10.9 m/13.5	11.5 m/13.5		10.0
12.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.0
14.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14.0
16.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16.0
18.0	16.6 m/13.5	19.2 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18.0
20.0			13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20.0
22.0			21.9 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22.0
24.0				13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24.0
26.0				24.5 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26.0
28.0					27.1 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28.0
30.0						29.8 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	30.0
32.0							32.4 m/13.5	13.5	13.5	13.5	13.5	13.5	32.0
34.0								13.5	13.5	13.5	13.5	13.5	34.0
36.0								35.1 m/13.5	13.5	13.5	13.5	13.5	36.0
38.0									37.7 m/13.5	13.5	13.5	13.5	38.0
40.0										13.5	13.5	13.5	40.0
42.0										40.3 m/13.5	13.5	13.5	42.0
44.0											43.0 m/12.9	13.5	44.0
Reeves	1	1	1	1	1	1	1	1	1	1	1	1	Reeves

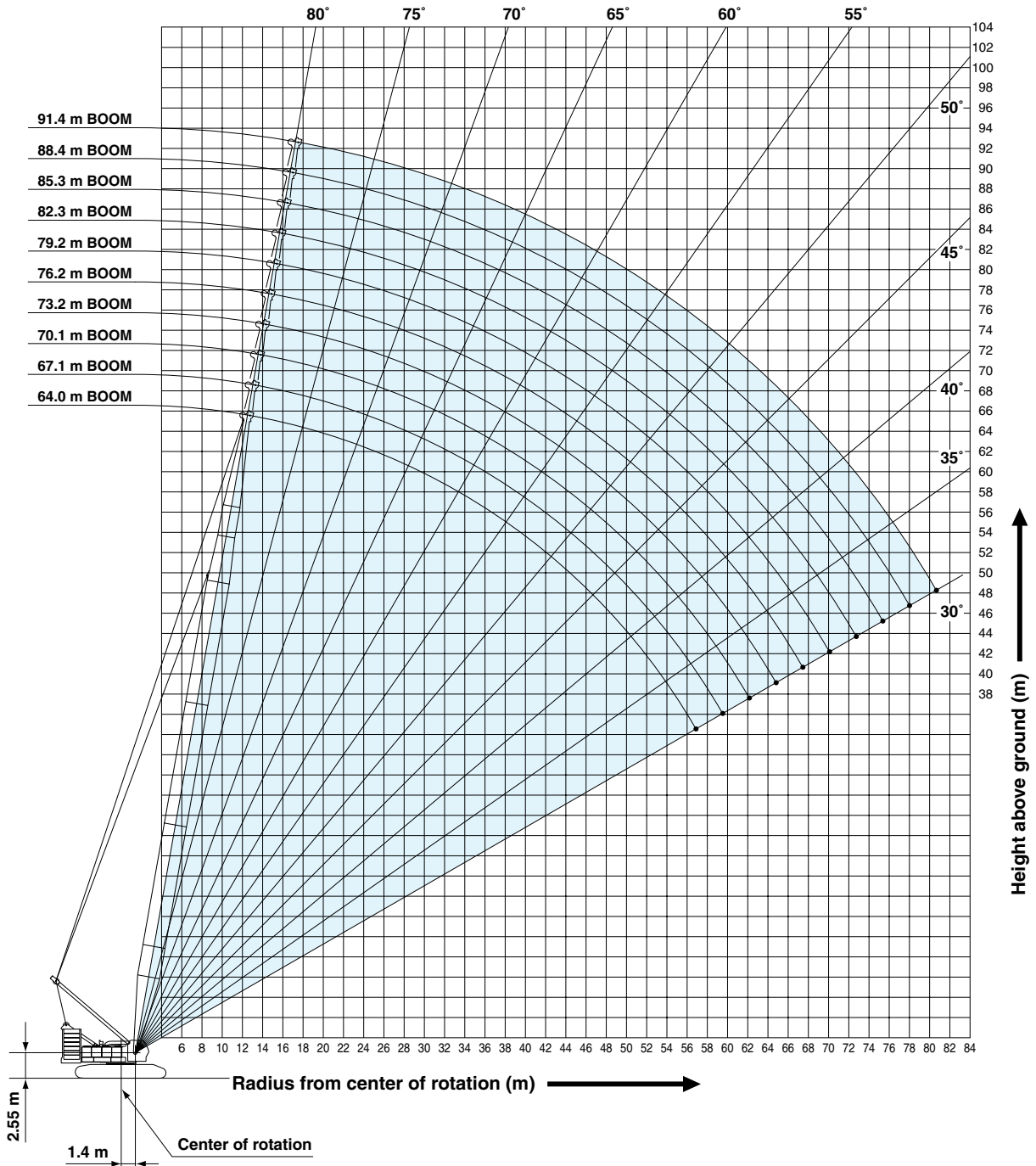
Working radius (m)	Boom length (m)					Working radius (m)
	48.8	51.8	54.9	57.9	61.0	
12.0	13.5	12.5 m/13.5	13.1 m/13.5	13.6 m/13.5		12.0
14.0	13.5	13.5	13.5	13.5	14.1 m/13.5	14.0
16.0	13.5	13.5	13.5	13.5	13.5	16.0
18.0	13.5	13.5	13.5	13.5	13.5	18.0
20.0	13.5	13.5	13.5	13.5	13.5	20.0
22.0	13.5	13.5	13.5	13.5	13.5	22.0
24.0	13.5	13.5	13.5	13.5	13.5	24.0
26.0	13.5	13.5	13.5	13.5	13.5	26.0
28.0	13.5	13.5	13.5	13.5	13.5	28.0
30.0	13.5	13.5	13.5	13.5	13.5	30.0
32.0	13.5	13.5	13.5	13.5	13.5	32.0
34.0	13.5	13.5	13.5	13.5	13.5	34.0
36.0	13.5	13.5	13.5	13.5	13.5	36.0
38.0	13.5	13.5	13.5	13.5	13.5	38.0
40.0	13.5	13.5	13.5	13.5	13.5	40.0
42.0	13.3	13.1	12.9	12.8	12.5	42.0
44.0	12.3	12.1	11.8	11.7	11.5	44.0
46.0	45.6 m/11.5	11.2	10.9	10.8	10.5	46.0
48.0		10.3	10.0	9.9	9.7	48.0
50.0		48.3 m/10.2	9.1	9.2	8.9	50.0
52.0			50.9 m/8.7	8.5	8.2	52.0
54.0				53.5 m/8.0	7.5	54.0
56.0					6.8	56.0
58.0					56.2 m/6.7	58.0
60.0						60.0
62.0						62.0
Reeves	1	1	1	1	1	Reeves

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P15.

# Long Boom Working Ranges



## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in   are determined by the strength of the boom or other structural component.
14. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
15. Long boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from long boom ratings shown.
16. Auxiliary sheave ratings for long boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for long boom shown.
17. Long boom lengths for auxiliary sheave mounting are 64.0 m to 91.4 m.





# Long Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t,  
Carbody weight: 24.0 t

Working radius (m) \ Boom length (m)	64.0	67.1	70.1	73.2	76.2	79.2	82.3	Working radius (m) \ Boom length (m)
12.0	12.8 m/47.1	13.3 m/46.1	13.8 m/45.0					12.0
14.0	45.0	44.9	44.8	14.3 m/44.2	14.9 m/41.1	15.4 m/36.2	15.9 m/32.3	14.0
16.0	42.0	41.9	41.8	41.7	39.6	35.5	32.2	16.0
18.0	39.4	39.3	39.2	39.1	37.2	33.2	30.1	18.0
20.0	37.2	37.1	37.0	36.9	35.1	31.3	28.3	20.0
22.0	35.2	35.1	35.0	34.9	33.3	29.6	26.7	22.0
24.0	33.4	33.3	33.2	33.1	31.7	28.0	25.2	24.0
26.0	31.5	31.3	31.2	30.9	30.2	26.7	24.0	26.0
28.0	28.5	28.3	28.1	27.9	27.8	25.5	22.8	28.0
30.0	25.9	25.7	25.6	25.4	25.3	24.4	21.8	30.0
32.0	23.7	23.5	23.4	23.1	23.0	22.9	20.9	32.0
34.0	21.8	21.6	21.5	21.2	21.1	21.0	20.1	34.0
36.0	20.1	19.9	19.8	19.5	19.4	19.3	19.2	36.0
38.0	18.7	18.4	18.3	18.1	18.0	17.9	17.8	38.0
40.0	17.3	17.1	17.0	16.7	16.6	16.5	16.4	40.0
42.0	16.2	15.9	15.8	15.5	15.4	15.3	15.2	42.0
44.0	15.1	14.8	14.7	14.5	14.4	14.3	14.2	44.0
46.0	14.1	13.9	13.7	13.5	13.4	13.3	13.2	46.0
48.0	13.3	13.0	12.9	12.6	12.5	12.4	12.3	48.0
50.0	12.5	12.2	12.1	11.8	11.7	11.6	11.5	50.0
52.0	11.7	11.5	11.3	11.1	11.0	10.9	10.8	52.0
54.0	11.1	10.8	10.7	10.4	10.3	10.2	10.1	54.0
56.0	10.4	10.2	10.0	9.8	9.7	9.6	9.5	56.0
58.0	56.9 m/10.2	9.6	9.5	9.2	9.1	9.0	8.9	58.0
60.0		59.6 m/9.2	8.9	8.7	8.6	8.5	8.4	60.0
62.0			8.5	8.2	8.1	8.0	7.9	62.0
64.0			62.2 m/8.4	7.7	7.6	7.5	7.4	64.0
66.0				64.9 m/7.6	7.2	7.1	7.0	66.0
68.0					67.5 m/6.9	6.8	6.7	68.0
70.0						6.4	6.3	70.0
72.0						70.2 m/6.3	6.0	72.0
74.0							72.8 m/5.9	74.0
Reeves	4	4	4	4	4	3	3	Reeves

Working radius (m) \ Boom length (m)	85.3	88.4	91.4	Working radius (m) \ Boom length (m)
16.0	16.5 m/27.0	17.0 m/24.9	17.5 m/21.3	16.0
18.0	27.0	24.0	20.9	18.0
20.0	25.3	22.4	19.5	20.0
22.0	23.9	21.1	18.3	22.0
24.0	22.6	19.9	17.3	24.0
26.0	21.4	18.9	16.3	26.0
28.0	20.4	18.0	15.5	28.0
30.0	19.5	17.1	14.8	30.0
32.0	18.6	16.4	14.1	32.0
34.0	17.9	15.7	13.6	34.0
36.0	17.2	15.1	13.0	36.0
38.0	16.6	14.6	12.6	38.0
40.0	16.1	14.1	12.1	40.0
42.0	15.1	13.6	11.7	42.0
44.0	14.1	13.2	11.4	44.0
46.0	13.1	12.8	11.0	46.0
48.0	12.2	12.3	10.7	48.0
50.0	11.4	11.3	10.5	50.0
52.0	10.7	10.6	10.2	52.0
54.0	10.0	9.9	9.8	54.0
56.0	9.4	9.3	9.2	56.0
58.0	8.8	8.7	8.6	58.0
60.0	8.3	8.2	8.1	60.0
62.0	7.8	7.7	7.6	62.0
64.0	7.3	7.2	7.1	64.0
66.0	6.9	6.8	6.7	66.0
68.0	6.6	6.5	6.4	68.0
70.0	6.2	6.1	5.9	70.0
72.0	5.9	5.8	5.7	72.0
74.0	5.6	5.5	5.4	74.0
76.0	75.4 m/5.4	5.3	5.1	76.0
78.0		4.9	4.8	78.0
80.0			4.5	80.0
82.0			80.7 m/4.4	82.0
84.0				84.0
Reeves	2	2	2	Reeves

Note:

Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P18.





# Auxiliary Sheave Lifting Capacity for Long Boom (With 35 t Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Working radius (m) \ Boom length (m)	64.0	67.1	70.1	73.2	76.2	79.2	82.3	85.3	88.4	91.4	Working radius (m) \ Boom length (m)
12.0	13.5 m/13.5										12.0
14.0	13.5	13.5	14.5 m/13.5	15.0 m/13.5	15.6 m/13.5						14.0
16.0	13.5	13.5	13.5	13.5	13.5	16.1 m/13.5	16.6 m/13.5	17.2m/13.5	17.7 m/13.5		16.0
18.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18.2m/13.5	18.0
20.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20.0
22.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22.0
24.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24.0
26.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26.0
28.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28.0
30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	30.0
32.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.8	32.0
34.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.3	34.0
36.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.7	36.0
38.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.3	11.3	38.0
40.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.8	10.8	40.0
42.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.3	10.4	42.0
44.0	13.5	13.5	13.4	13.2	13.1	13.0	12.9	12.8	11.9	10.1	44.0
46.0	12.8	12.6	12.4	12.2	12.1	12.0	11.9	11.8	11.5	9.7	46.0
48.0	12.0	11.7	11.6	11.3	11.2	11.1	11.0	10.9	11.0	9.4	48.0
50.0	11.2	10.9	10.8	10.5	10.4	10.3	10.2	10.1	10.0	9.2	50.0
52.0	10.4	10.2	10.0	9.8	9.7	9.6	9.5	9.4	9.3	8.9	52.0
54.0	9.8	9.5	9.4	9.1	9.0	8.9	8.8	8.7	8.6	8.5	54.0
56.0	9.1	8.9	8.7	8.5	8.4	8.3	8.2	8.1	8.0	7.9	56.0
58.0	8.4	8.3	8.2	7.9	7.8	7.7	7.6	7.5	7.4	7.3	58.0
60.0		7.7	7.6	7.4	7.3	7.2	7.1	7.0	6.9	6.8	60.0
62.0		60.7 m/7.5	7.2	6.9	6.8	6.7	6.6	6.5	6.4	6.3	62.0
64.0			63.3 m/6.9	6.4	6.3	6.2	6.1	6.0	5.9	5.8	64.0
66.0				5.9	5.9	5.8	5.7	5.6	5.5	5.4	66.0
68.0					5.5	5.5	5.4	5.3	5.2	5.1	68.0
70.0					68.6 m/5.4	5.1	5.0	4.9	4.8	4.6	70.0
72.0						71.3 m/4.8	4.7	4.6	4.5	4.4	72.0
74.0							73.9 m/4.4	4.3	4.2	4.1	74.0
76.0								4.0	4.0	3.8	76.0
78.0								76.5m/3.9	3.8	3.5	78.0
80.0									79.1 m/3.7	3.2	80.0
82.0										81.8 m/2.9	82.0
Reeves	1	1	1	1	1	1	1	1	1	1	Reeves

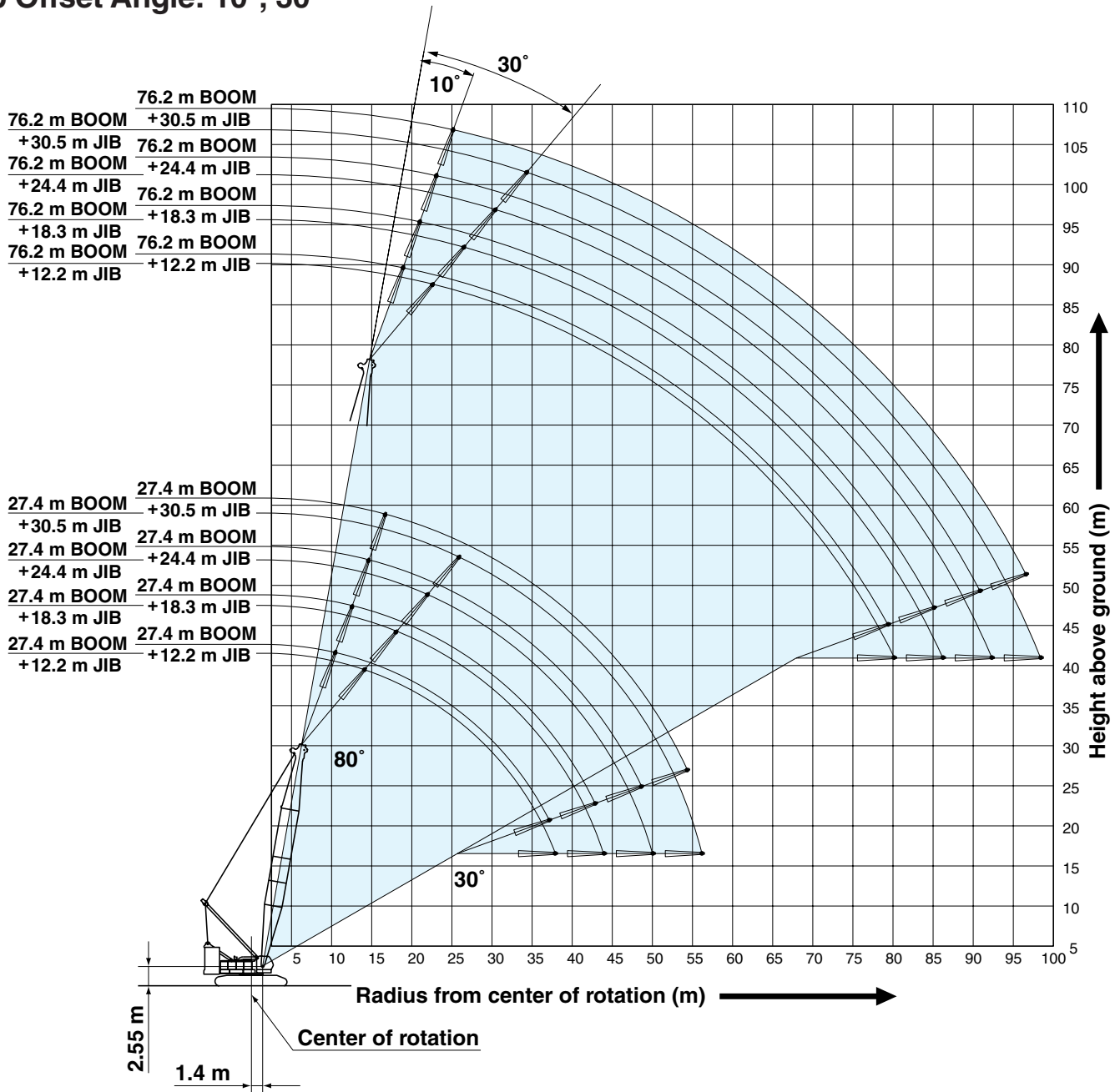
Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P18.

# Fixed Jib Working Ranges

Jib Offset Angle: 10°, 30°



## NOTES:

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom/ jib inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in  are determined by the strength of the boom or other structural component.
14. When erecting or lowering the boom length of 76.2 m, the pillow plate for erection must be placed at the end of crawlers.
15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
16. Fixed jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from fixed jib ratings shown.
17. Crane boom lengths for fixed jib mounting are 27.4 m to 76.2 m.
18. One part of line on hook is not allowed to use for 12.2 m jib length with offset angle 10 degrees.



# Fixed Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Jib Offset Angle: 10°

Counterweight: 90.0 t, Carbody weight: 24.0 t

Boom length (m)		27.4				36.6				45.7				54.9				Boom length (m)
Jib length (m)		12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
Working radius (m)	10.0	10.4 m/27.0																10.0
	12.0	25.5	12.5 m/21.2			26.6				13.6 m/26.5								12.0
	14.0	24.3	20.4	14.6 m/12.1		25.5	14.1 m/21.2			26.3	15.7 m/21.2			15.2 m/26.4				14.0
	16.0	23.0	19.3	11.8	16.7 m/6.8	24.5	20.3	16.2 m/12.1		25.4	21.0	17.8 m/12.1		26.2	17.3 m/21.1			16.0
	18.0	21.8	18.4	11.2	6.5	23.6	19.4	11.7	18.3 m/6.8	24.6	20.2	12.1	19.9 m/6.7	25.4	20.9	19.4 m/12.1		18.0
	20.0	20.7	17.5	10.7	6.2	22.7	18.6	11.2	6.5	23.8	19.5	11.6	6.7	24.7	20.2	12.0	21.5 m/6.8	20.0
	22.0	19.8	16.8	10.3	5.9	21.9	17.9	10.8	6.2	23.0	18.8	11.3	6.4	23.9	19.5	11.6	6.7	22.0
	24.0	18.9	16.1	9.9	5.6	21.2	17.2	10.4	5.9	22.2	18.1	10.9	6.2	23.2	18.9	11.3	6.4	24.0
	26.0	18.1	15.4	9.4	5.3	20.5	16.6	10.1	5.7	21.5	17.5	10.5	5.9	22.5	18.3	10.9	6.2	26.0
	28.0	17.3	14.3	9.1	5.1	19.8	16.1	9.7	5.4	20.7	17.0	10.2	5.7	21.9	17.8	10.6	6.0	28.0
	30.0	16.7	13.4	8.7	4.9	19.1	15.5	9.4	5.2	20.0	16.5	9.9	5.5	21.3	17.3	10.3	5.8	30.0
	34.0	15.5	11.9	8.1	4.5	17.8	13.8	8.7	4.8	18.6	15.6	9.3	5.1	20.1	16.4	9.8	5.4	34.0
	38.0	37.1 m/14.5	10.7	7.6	4.2	16.4	12.4	8.2	4.5	17.1	14.0	8.8	4.8	17.4	15.6	9.2	5.1	38.0
	42.0		9.8	7.1	3.9	15.3	11.3	7.7	4.2	15.5	12.8	8.3	4.5	14.9	14.2	8.8	4.8	42.0
	46.0		42.9 m/9.7	6.8	3.7	45.1 m/14.4	10.5	7.3	4.0	13.6	11.8	7.9	4.2	12.8	13.1	8.3	4.5	46.0
	50.0			48.6 m/6.6	3.5		9.8	7.0	3.8	11.9	11.0	7.5	4.0	11.1	11.6	8.0	4.3	50.0
	54.0				3.2		50.8 m/9.6	6.7	3.6	53.0 m/10.9	10.3	7.2	3.8	9.7	10.1	7.6	4.1	54.0
	58.0				54.3 m/3.1			56.5 m/6.5	3.4		9.7	6.9	3.7	8.5	8.9	7.3	3.9	58.0
	62.0								3.2		58.7 m/9.6	6.7	3.5	60.9 m/7.8	7.8	7.1	3.7	62.0
	66.0								62.3 m/3.1			64.4 m/6.5	3.4		6.9	6.8	3.6	66.0
70.0												3.1		66.6 m/6.8	6.5	3.5	70.0	
74.0													70.2 m/3.1		72.4 m/6.1	3.4	74.0	
78.0																3.2	78.0	
82.0																78.1 m/3.2	82.0	
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	Reeves	

Boom length (m)		64.0				73.2				76.2				Boom length (m)
Jib length (m)		12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
Working radius (m)	16.0	16.8 m/26.5												16.0
	18.0	26.0	18.9 m/21.1			18.4 m/26.4				18.9 m/26.4				18.0
	20.0	25.3	20.7	21.0 m/12.1		25.9	20.5 m/21.1			26.1	21.0 m/21.1			20.0
	22.0	24.7	20.1	11.9	23.0 m/6.7	25.3	20.6	22.5 m/12.1		25.5	20.8	23.1 m/12.0		22.0
	24.0	24.1	19.5	11.6	6.6	24.7	20.0	11.8	24.6 m/6.7	24.9	20.2	11.9	25.2 m/6.7	24.0
	26.0	23.5	19.0	11.3	6.4	24.2	19.5	11.5	6.5	24.4	19.7	11.6	6.6	26.0
	28.0	23.0	18.4	11.0	6.2	23.7	19.0	11.2	6.3	23.9	19.2	11.3	6.4	28.0
	30.0	22.4	18.0	10.7	6.0	22.6	18.5	11.0	6.2	21.7	18.7	11.1	6.2	30.0
	34.0	19.8	17.1	10.2	5.6	18.9	17.7	10.5	5.8	18.3	17.9	10.6	5.9	34.0
	38.0	16.6	16.3	9.7	5.3	15.8	16.3	10.0	5.5	15.5	15.9	10.1	5.6	38.0
	42.0	14.1	14.5	9.2	5.0	13.3	13.8	9.6	5.2	13.0	13.5	9.7	5.3	42.0
	46.0	12.0	12.5	8.8	4.7	11.2	11.7	9.2	4.9	10.9	11.4	9.3	5.0	46.0
	50.0	10.3	10.7	8.4	4.5	9.5	10.0	8.8	4.7	9.2	9.7	8.9	4.8	50.0
	54.0	8.9	9.3	8.0	4.3	8.1	8.5	8.4	4.5	7.8	8.2	8.5	4.5	54.0
	58.0	7.7	8.1	7.7	4.1	6.9	7.3	7.8	4.3	6.5	7.0	7.6	4.4	58.0
	62.0	6.6	7.0	7.5	3.9	5.8	6.2	6.8	4.1	5.5	5.9	6.5	4.2	62.0
	66.0	5.7	6.1	6.6	3.8	4.9	5.3	5.8	4.0	4.6	5.0	5.5	4.0	66.0
	70.0	68.8 m/5.1	5.3	5.7	3.6	4.1	4.5	5.0	3.8	3.7	4.1	4.7	3.9	70.0
	74.0		4.6	5.0	3.5	3.4	3.7	4.3	3.7	3.0	3.4	4.0	3.7	74.0
	78.0		74.6 m/4.5	4.3	3.4	76.7 m/2.9	3.1	3.6	3.6	2.4	2.8	3.3	3.5	78.0
82.0			80.3 m/4.0	3.4		2.5	3.0	3.3	79.4 m/2.2	2.2	2.7	3.0	82.0	
86.0				3.2		82.5 m/2.5	2.5	2.7		85.1 m/1.8	2.2	2.5	86.0	
90.0							88.2 m/2.2	2.1			1.7	2.0	90.0	
94.0								93.9 m/1.8			90.8 m/1.5	1.6	94.0	
98.0											96.6 m/1.3		98.0	
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves	

Note: Ratings according to EN13000.  
 Ratings shown in   are determined by the strength of the boom or other structural components.  
 Refer to notes P21.  
 ※One part of line on hook is not allowed to use for 12.2 m jib length with offset angle 10 degrees.

# Jib Offset Angle: 30°

Counterweight: 90.0 t, Carbody weight: 24.0 t

Boom length (m)	27.4				36.6				45.7				54.9				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
14.0	14.1 m/19.3				15.7 m/19.3												14.0
16.0	18.7				19.2				17.3 m/19.2								16.0
18.0	17.9	13.5			18.7	19.6 m/13.5			19.1				18.9 m/19.2				18.0
20.0	16.8	13.5	21.9 m/8.2		18.1	13.5			18.7	21.2 m/13.5			19.0				20.0
22.0	15.9	13.1	8.2		17.2	13.5	23.5 m/8.1		18.2	13.5			18.6	22.8 m/13.5			22.0
24.0	15.2	12.6	7.9	25.9 m/4.4	16.4	13.1	8.1		17.4	13.4	25.1 m/8.1		18.2	13.5			24.0
26.0	14.5	12.0	7.6	4.4	15.7	12.8	7.9	27.5 m/4.3	16.7	13.2	8.0		17.6	13.4	26.7 m/8.1		26.0
28.0	13.9	11.4	7.4	4.2	15.1	12.3	7.6	4.3	16.1	12.9	7.8	29.0 m/4.4	17.0	13.2	8.0		28.0
30.0	13.4	10.9	7.2	4.1	14.6	11.8	7.4	4.2	15.6	12.5	7.6	4.3	16.4	12.9	7.8	30.6 m/4.3	30.0
34.0	12.7	10.0	6.8	3.8	13.7	10.9	7.1	4.0	14.6	11.6	7.3	4.1	15.5	12.2	7.5	4.2	34.0
38.0	37.9 m/12.4	9.4	6.5	3.7	13.0	10.2	6.8	3.8	13.9	10.9	7.0	3.9	14.7	11.5	7.2	4.0	38.0
42.0		9.0	6.2	3.5	12.6	9.6	6.5	3.6	13.3	10.3	6.7	3.7	14.0	10.9	6.9	3.8	42.0
46.0		44.0 m/8.9	6.1	3.3	45.8 m/12.4	9.2	6.3	3.5	12.8	9.8	6.5	3.6	13.2	10.4	6.7	3.7	46.0
50.0			6.1	3.3		8.9	6.1	3.4	12.1	9.4	6.3	3.5	11.4	9.9	6.5	3.6	50.0
54.0			50.1 m/6.1	3.0		51.9 m/8.9	6.1	3.3	53.7 m/10.7	9.1	6.2	3.4	9.9	9.5	6.4	3.5	54.0
58.0				56.2 m/2.8			6.1	3.1		8.9	6.1	3.3	8.6	9.2	6.2	3.4	58.0
62.0								2.9		59.8 m/8.9	6.1	3.3	61.6 m/7.6	8.2	6.1	3.3	62.0
66.0								64.1 m/2.8			65.9 m/6.1	3.1		7.2	6.0	3.2	66.0
70.0												2.9		67.7 m/6.8	6.0	3.2	70.0
74.0													72.0 m/2.8		73.8 m/6.0	3.1	74.0
78.0																2.9	78.0
82.0																79.9 m/2.8	82.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

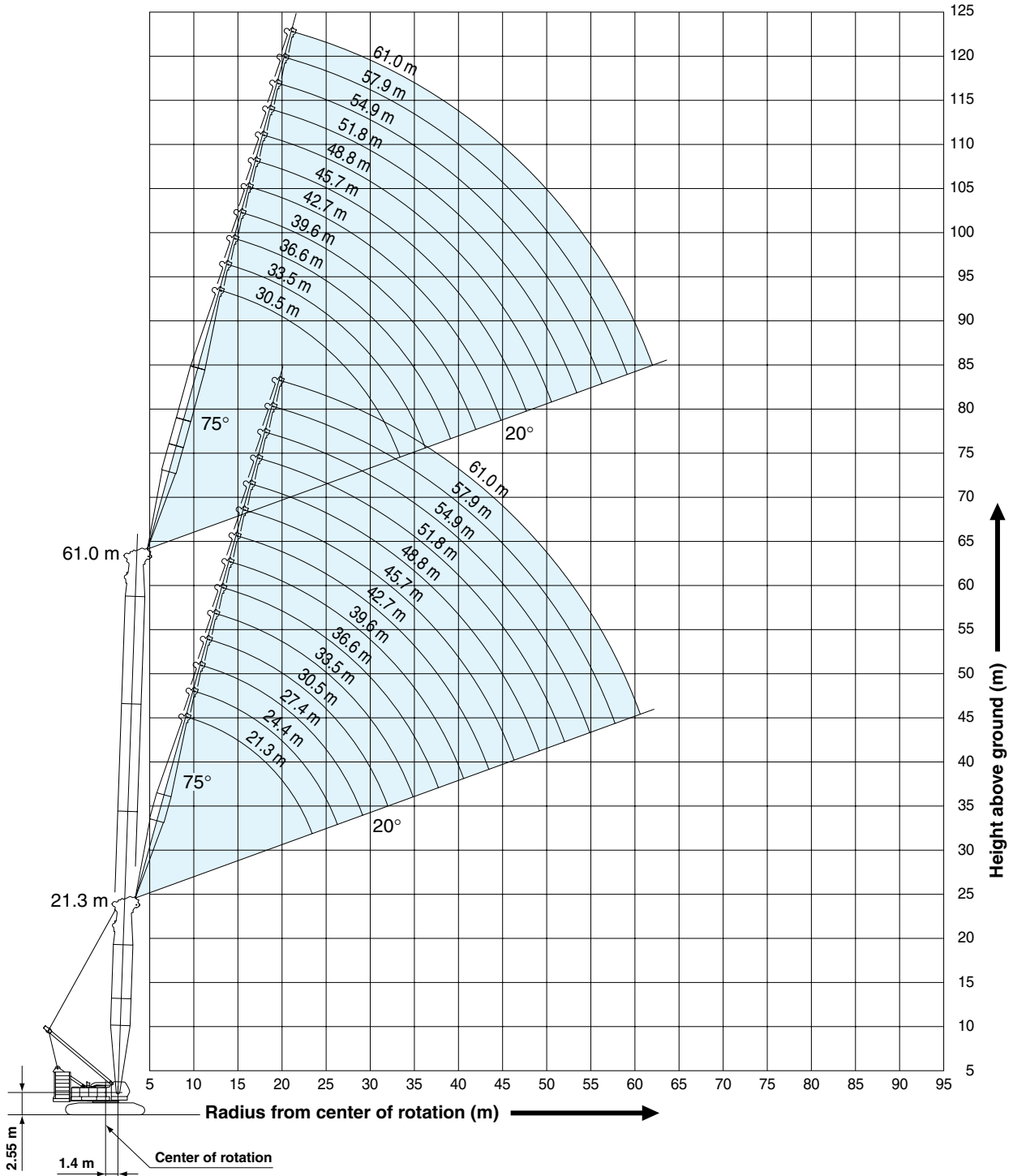
Boom length (m)	64.0				73.2				76.2				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
20.0	20.5 m/19.2												20.0
22.0	18.9				19.1				22.6 m/19.1				22.0
24.0	18.6	24.4 m/13.5			18.8				18.9				24.0
26.0	18.3	13.5			18.6	13.5			18.7	26.5 m/13.5			26.0
28.0	17.7	13.4	28.3 m/8.1		18.3	13.5	29.9 m/8.1		18.4	13.5			28.0
30.0	17.2	13.2	7.9	32.2 m/4.3	17.8	13.4	8.0	33.8 m/4.3	18.0	13.4	30.4 m/8.0		30.0
34.0	16.2	12.8	7.6	4.2	16.8	13.0	7.8	4.3	17.0	13.1	7.8	34.3 m/4.3	34.0
38.0	15.4	12.0	7.4	4.1	16.0	12.5	7.5	4.1	16.2	12.7	7.5	4.2	38.0
42.0	14.6	11.4	7.1	3.9	13.9	11.9	7.3	4.0	13.6	12.0	7.3	4.0	42.0
46.0	12.4	10.9	6.9	3.8	11.7	11.3	7.1	3.8	11.5	11.5	7.1	3.9	46.0
50.0	10.7	10.4	6.7	3.7	10.0	10.9	6.9	3.7	9.7	10.6	6.9	3.8	50.0
54.0	9.2	10.0	6.5	3.6	8.5	9.3	6.7	3.6	8.2	9.1	6.7	3.7	54.0
58.0	7.9	8.7	6.4	3.4	7.2	8.0	6.5	3.5	6.9	7.7	6.6	3.5	58.0
62.0	6.8	7.5	6.3	3.4	6.1	6.9	6.4	3.4	5.8	6.6	6.4	3.5	62.0
66.0	5.8	6.5	6.1	3.3	5.1	5.8	6.3	3.4	4.8	5.6	6.1	3.4	66.0
70.0	69.6 m/5.1	5.6	6.1	3.3	4.2	5.0	5.5	3.3	3.9	4.7	5.2	3.3	70.0
74.0		4.8	5.3	3.2	3.4	4.2	4.7	3.3	3.2	3.9	4.4	3.3	74.0
78.0		75.7 m/4.5	4.6	3.2	77.5 m/2.9	3.4	3.9	3.2	2.5	3.2	3.7	3.2	78.0
82.0			81.8 m/3.9	3.0		2.8	3.3	3.2	80.1 m/2.2	2.5	3.0	3.2	82.0
86.0				2.9		83.6 m/2.5	2.7	2.9		1.9	2.4	2.8	86.0
90.0				87.8 m/2.8			89.7 m/2.1	2.5		86.2 m/1.9	1.8	2.3	90.0
94.0								2.0			92.3 m/1.5	1.8	94.0
98.0								95.8 m/1.7				1.4	98.0
100.0												98.4 m/1.3	100.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

Note: Ratings according to EN13000.  
 Ratings shown in    are determined by the strength of the boom or other structural components.  
 Refer to notes P21.



# Luffing Jib Working Ranges

Boom Angle: 88°

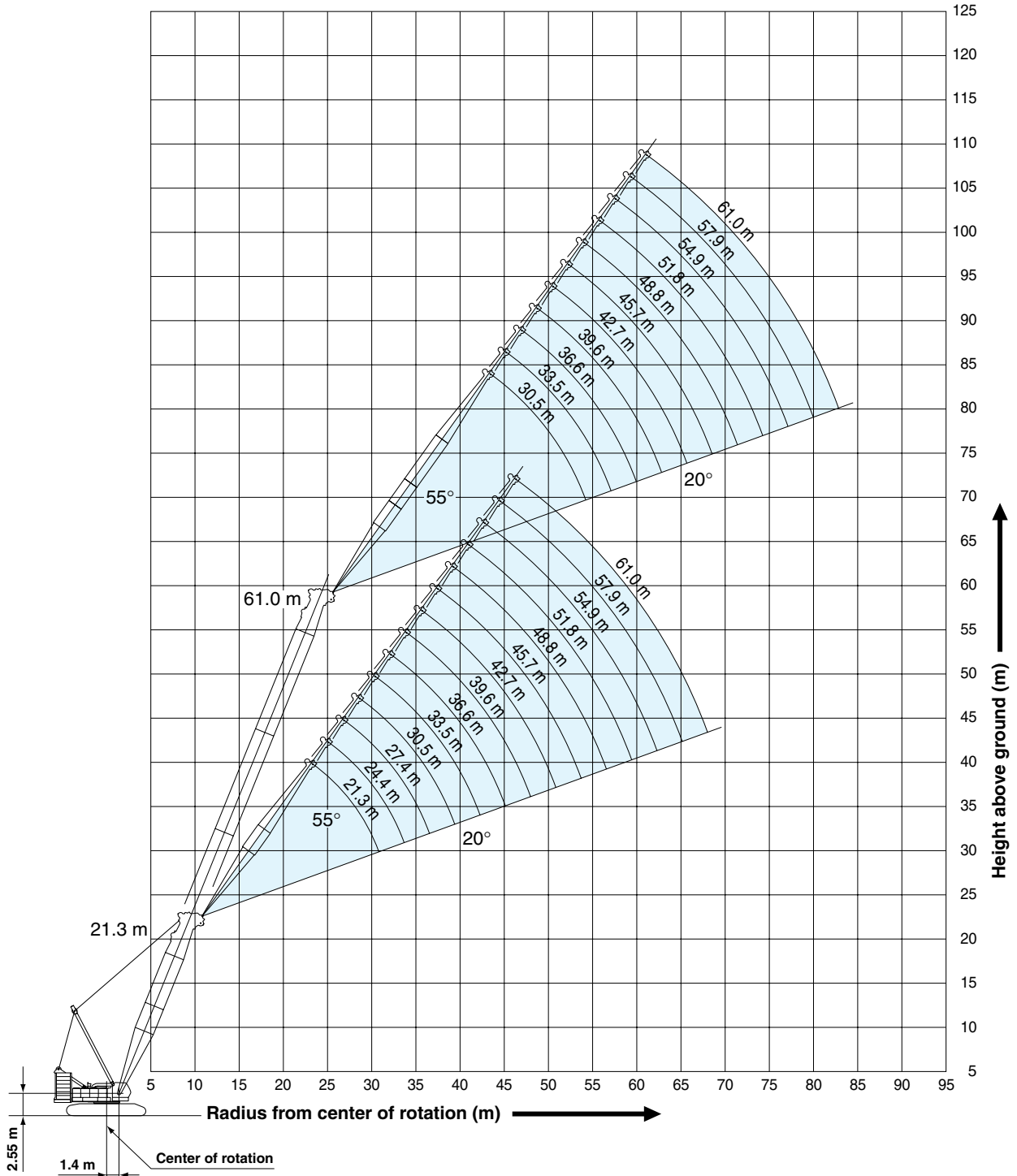


**NOTES:**

1. Ratings according to EN13000.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be

- detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface, up to 1% gradient.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom/jib inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Luffing boom hoist reeving is 16 part line.
10. Luffing jib hoist reeving is 10 part line.

## Boom Angle: 68°



11. Gantry must be in raised position for all conditions.
12. Boom and jib backstops are required for all boom and jib combinations.
13. Ratings shown in  are determined by the strength of the boom or other structural component.
14. The boom should be erected over the front of crawlers, not laterally.
15. When erecting or lowering the boom length of 54.9 m or over, the pillow plate for erection must be placed at the end of crawlers.
16. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.

17. All luffing jib ratings and luffing boom ratings with luffing jib shown are calculated in the condition equipped with the auxiliary sheave frame.
18. Luffing jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from luffing jib ratings shown.
19. Luffing boom ratings with luffing jib: Deduct weight of main hook block, slings and all other load handling accessories from luffing boom ratings with luffing jib shown.





# Luffing Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

21.3 m Boom Length	21.3																	Boom length (m)
	21.3				27.4				33.5				39.6				Jib length (m)	
	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle	
9.8	80.0																9.8	
10.0	79.3																10.0	
12.0	72.2				70.0												12.0	
14.0	65.1	65.7			64.7				54.0								14.0	
16.0	58.0	58.7			58.6	58.6			51.9				39.5				16.0	
18.0	50.9	54.2			52.9	53.5			49.2	52.5			38.7				18.0	
20.0	43.8	47.6			47.2	47.5			46.5	47.3			37.6	38.7			20.0	
22.0	36.7	42.1			41.5	42.0			42.0	41.9			36.3	38.1			22.0	
24.0	27.9	37.8	35.6		36.9	37.7			37.4	37.5			34.8	36.5			24.0	
26.0			32.2		31.7	34.1			33.6	34.0			33.1	33.8			26.0	
28.0			29.4	28.8	26.6	31.1	29.1		30.4	31.0			31.0	30.8			28.0	
30.0			27.0	26.5		27.8	26.7	32.0m/24.2	27.3	28.4	32.0 m/24.4	36.0 m/20.7	28.2	28.3			30.0	
34.0				32.0 m/24.4			22.8	22.4	20.4	24.3	22.6	19.3	23.8	24.2	36.0 m/21.0		34.0	
38.0							36.0 m/21.3	19.5		36.0 m/21.5	19.7	17.0	18.9	21.1	19.6	40.0 m/17.9	38.0	
42.0											17.4	44.0 m/16.0	40.0 m/16.4	17.2	17.2	16.8	42.0	
46.0															15.4	15.0	46.0	
50.0															48.0 m/14.5	13.4	50.0	
Reeves		6				6				4				3			Reeves	

Working Radius (m)	21.3																	Boom length (m)
	45.7				51.8				57.9				61.0				Jib length (m)	
	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle	
16.0	29.4																16.0	
18.0	28.7				26.6												18.0	
20.0	28.1				26.0				20.9				18.4				20.0	
22.0	27.5	28.1			24.9				20.4				18.3				22.0	
24.0	27.0	27.5			23.8	24.3			19.5				17.6				24.0	
26.0	26.5	27.0			22.7	23.2			18.5	19.2			16.7				26.0	
28.0	25.9	26.6			21.6	22.1			17.5	18.2			15.8	16.4			28.0	
30.0	24.7	25.9			20.4	21.1			16.6	17.2			15.0	15.6			30.0	
34.0	22.4	23.5			18.2	18.9			15.0	15.5			13.6	14.0			34.0	
38.0	20.3	20.9	19.4		16.3	17.0			13.5	14.0			12.3	12.7			38.0	
42.0	16.9	18.4	17.0		14.3	15.0	16.8		12.3	12.7			11.2	11.6			42.0	
46.0	13.3	15.8	15.1	44.0 m/15.6	12.5	13.2	14.9	48.0 m/13.7	11.2	11.6	12.8		10.3	10.6	48.0 m/11.2		46.0	
50.0		48.0 m/14.0	13.6	14.8	10.7	11.5	13.3	12.9	10.2	10.6	11.7	52.0 m/11.6	9.4	9.7	10.7		50.0	
54.0			12.3	13.2	52.0 m/9.7	9.7	11.9	11.7	9.3	9.7	10.8	11.1	8.6	9.0	9.9	10.1	54.0	
58.0				12.0			10.3	10.6	8.2	8.9	9.9	10.2	7.9	8.2	9.1	9.4	58.0	
62.0				56.0 m/11.4			60.0 m/9.5	9.3		60.0 m/8.2	9.1	9.4	7.0	7.5	8.4	8.7	62.0	
66.0											8.0	8.6		64.0 m/7.0	7.8	8.0	66.0	
70.0														68.0 m/8.0		7.4	70.0	
Reeves		3				2				2				2			Reeves	

27.4 m Boom Length	27.4																	Boom length (m)
	21.3				27.4				33.5				39.6				Jib length (m)	
	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle	
10.0	73.4																10.0	
12.0	67.6				67.5												12.0	
14.0	61.7	65.4			62.4				54.0								14.0	
16.0	55.9	58.4			57.3	58.3			52.1				39.5				16.0	
18.0	50.1	53.9			52.2	53.2			49.4	52.2			38.6				18.0	
20.0	44.2	47.3			47.1	47.2			46.8	47.0			37.5				20.0	
22.0	38.4	41.9			42.0	41.7			42.6	41.6			36.3	38.3			22.0	
24.0	29.7	37.5			37.2	37.4			37.8	37.3			34.8	37.0			24.0	
26.0		33.5	31.4		32.8	33.8			33.9	33.7			33.2	33.6			26.0	
28.0			28.6		27.7	30.8			30.6	30.7			31.3	30.6			28.0	
30.0			26.2	25.5	22.3	28.3	25.9		27.8	28.2			28.5	28.1			30.0	
34.0			32.0 m/24.2	21.8		32.0 m/25.1	22.1	21.5	21.2	24.1	21.9		23.9	24.0			34.0	
38.0							19.2	18.7	36.0 m/17.6	19.7	19.0	18.5	19.5	20.9	18.9		38.0	
42.0								40.0 m/17.6			16.8	16.3	40.0 m/17.1	18.4	16.7	16.1	42.0	
46.0											44.0 m/15.8	14.5		44.0 m/15.9	14.8	14.3	46.0	
50.0															13.3	12.8	50.0	
54.0																52.0 m/12.2	54.0	
Reeves		6				5				4				3			Reeves	

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components. Refer to notes P25 and P26.

Counterweight: 90.0 t, Carbody weight: 24.0 t

27.4 m Boom Length	Boom length (m)	27.4																Boom length (m)
	Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	28.7				25.7												18.0
	20.0	28.1				25.4				20.4								20.0
	22.0	27.5				24.5				20.1				18.1				22.0
	24.0	27.0	27.7			23.5				19.3				17.4				24.0
	26.0	26.5	27.2			22.4	22.8			18.4				16.6				26.0
	28.0	25.9	26.7			21.3	21.7			17.4	18.1			15.7	16.3			28.0
	30.0	24.7	26.2			20.2	20.7			16.5	17.1			14.9	15.5			30.0
	34.0	22.4	23.8			18.1	18.7			14.9	15.4			13.5	14.0			34.0
	38.0	20.4	20.7	40.0 m/17.5		16.2	16.8			13.5	14.0			12.2	12.7			38.0
	42.0	17.5	18.2	16.4		14.3	14.9	44.0 m/15.2		12.3	12.7			11.2	11.5			42.0
	46.0	13.8	16.2	14.6	14.1	12.5	13.2	14.3		11.2	11.6	48.0 m/12.2		10.2	10.6			46.0
	50.0		13.0	13.1	12.6	10.8	11.6	12.8	12.3	10.3	10.6	11.7		9.4	9.7	10.6		50.0
	54.0			11.8	11.4	52.0 m/10.0	9.9	11.5	11.1	9.4	9.8	10.7	10.8	8.6	8.9	9.8	56.0 m/9.7	54.0
	58.0			56.0 m/11.3	10.3		56.0 m/9.1	10.4	10.0	8.4	9.0	9.9	9.8	8.0	8.3	9.0	9.3	58.0
	62.0							9.0	9.1		7.6	9.1	8.9	7.3	7.6	8.4	8.6	62.0
	66.0								64.0 m/8.7			8.1	8.1		64.0 m/7.3	7.8	8.0	66.0
	70.0											68.0 m/7.5	7.4			7.1	7.3	70.0
	74.0															72.0 m/6.5	6.5	74.0
	Reeves		3				2			2				2				Reeves

33.5 m Boom Length	Boom length (m)	33.5																Boom length (m)
	Jib length (m)	21.3				27.4				33.5				39.6				Jib length (m)
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	10.0	67.5																10.0
	12.0	65.3				63.5												12.0
	14.0	60.2				59.3				52.2								14.0
	16.0	55.1	58.1			55.1				50.9				39.5				16.0
	18.0	49.9	53.6			50.9	52.9			48.3				38.7				18.0
	20.0	44.8	47.0			46.7	46.9			45.6	46.5			37.5				20.0
	22.0	39.7	41.7			42.5	41.5			42.7	41.3			36.4	38.5			22.0
	24.0	31.2	37.3			37.6	37.2			38.2	37.0			34.9	36.8			24.0
	26.0		33.7			33.6	33.6			34.2	33.4			33.2	33.3			26.0
	28.0			27.7		28.5	30.7			30.8	30.5			31.5	30.3			28.0
	30.0			25.4		23.3	28.1	32.0 m/23.0		28.0	27.9			28.7	27.8			30.0
	34.0			21.7	21.0		32.0 m/26.0	21.3		21.8	23.9	36.0 m/19.6		24.1	23.8			34.0
	38.0			36.0 m/20.2	18.3			18.5	18.0	36.0 m/18.3	20.8	18.3		20.0	20.7	40.0 m/17.1		38.0
	42.0							40.0 m/17.4	15.9			16.1	15.6	14.9	18.2	16.0	44.0 m/14.4	42.0
	46.0								44.0 m/14.9			14.3	13.8		44.0 m/17.1	14.3	13.6	46.0
	50.0												12.4			12.8	12.2	50.0
	54.0														52.0 m/12.1	11.0		54.0
	58.0																56.0 m/10.5	58.0
	Reeves		5				5			4				3				Reeves

27.4 m Boom Length	Boom length (m)	33.5																Boom length (m)
	Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	28.8				24.7												18.0
	20.0	28.1				24.4				19.8								20.0
	22.0	27.6				24.1				19.5				17.5				22.0
	24.0	27.0	27.9			23.2				19.2				17.3				24.0
	26.0	26.6	27.3			22.1	22.5			18.3				16.4				26.0
	28.0	25.9	26.8			21.1	21.4			17.3	18.0			15.6				28.0
	30.0	24.7	26.4			20.0	20.4			16.4	17.1			14.8	15.4			30.0
	34.0	22.4	23.6			18.0	18.4			14.8	15.4			13.4	13.9			34.0
	38.0	20.4	20.5			16.1	16.6			13.4	13.9			12.1	12.6			38.0
	42.0	17.8	18.0	44.0 m/14.9		14.3	14.8			12.2	12.6			11.1	11.5			42.0
	46.0	14.2	16.1	14.0	48.0 m/12.6	12.5	13.2	13.7		11.2	11.6			10.2	10.5			46.0
	50.0	48.0 m/12.2	13.9	12.5	12.0	10.9	11.6	12.3	52.0 m/11.0	10.2	10.6	11.6		9.4	9.7	52.0 m/10.1		50.0
	54.0			11.3	10.8	52.0 m/10.1	10.0	11.0	10.5	9.4	9.8	10.7	56.0 m/9.7	8.6	8.9	9.7		54.0
	58.0			10.3	9.8		56.0 m/9.2	10.0	9.4	8.5	9.0	9.7	9.2	8.0	8.2	9.0	9.1	58.0
	62.0				8.9			9.0	8.6		7.8	8.8	8.3	7.3	7.6	8.3	8.2	62.0
	66.0							64.0 m/8.4	7.8			8.0	7.6		64.0 m/7.3	7.7	7.5	66.0
	70.0								68.0 m/7.5				7.0	6.9			6.8	70.0
	74.0														6.0	6.2		74.0
	78.0																76.0 m/5.9	78.0
	Reeves		3				2			2				2				Reeves

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.

Counterweight: 90.0 t, Carbody weight: 24.0 t

39.6 m Boom Length	39.6																	Boom length (m)
	Jib length (m)																Jib length (m)	
	Boom angle	21.3				27.4				33.5				39.6				Boom angle
Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Working Radius (m)	
10.0	64.5																10.0	
12.0	60.6				54.0												12.0	
14.0	56.6				54.0				48.5								14.0	
16.0	52.7	57.7			53.0				48.1				37.4				16.0	
18.0	48.8	53.2			49.5	52.5			47.1				37.0				18.0	
20.0	44.8	46.6			46.1	46.5			44.8	46.1			36.6				20.0	
22.0	40.9	41.3			42.7	41.2			42.6	40.9			36.2	37.1			22.0	
24.0	32.4	37.0			38.0	36.9			38.2	36.6			35.0	36.5			24.0	
26.0		33.4			33.9	33.3			34.5	33.1			33.3	33.0			26.0	
28.0		30.4			29.2	30.4			31.1	30.2			31.5	30.0			28.0	
30.0			32.0 m/22.5		24.0	27.9			28.2	27.7			28.9	27.5			30.0	
34.0			20.9	36.0 m/18.6		23.8	20.4		22.3	23.6			24.2	23.5			34.0	
38.0			18.1	17.4			17.7	40.0 m/16.0	36.0 m/18.8	20.6	17.5		20.4	20.5			38.0	
42.0				40.0 m/16.3			15.6	15.0			15.4	44.0 m/13.8	15.4	18.0	15.3		42.0	
46.0							44.0 m/14.7	13.4			13.7	13.0		44.0 m/17.0	13.6	48.0 m/12.1	46.0	
50.0											12.3	11.7			12.2	11.5	50.0	
54.0												52.0 m/11.1			11.0	10.3	54.0	
58.0																9.4	58.0	
Reeves			5				4				4				3		Reeves	

45.7 m Boom Length	39.6																	Boom length (m)
	Jib length (m)																Jib length (m)	
	Boom angle	45.7				51.8				57.9				61.0				Boom angle
Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Working Radius (m)	
18.0	28.8																18.0	
20.0	28.2				23.4				19.0								20.0	
22.0	27.6				23.2				18.7				16.9				22.0	
24.0	27.0	28.0			22.9				18.4				16.7				24.0	
26.0	26.6	27.5			21.9	22.1			18.1				16.3				26.0	
28.0	25.9	27.0			20.8	21.1			17.2				15.5				28.0	
30.0	24.7	26.5			19.8	20.1			16.3	17.0			14.7	15.4			30.0	
34.0	22.5	23.3			17.8	18.2			14.7	15.3			13.3	13.8			34.0	
38.0	20.4	20.3			15.9	16.4			13.3	13.8			12.1	12.5			38.0	
42.0	17.9	17.8			14.1	14.6			12.1	12.6			11.0	11.4			42.0	
46.0	14.5	15.9	13.3		12.5	13.0	48.0 m/12.3		11.1	11.5			10.1	10.4			46.0	
50.0	48.0 m/12.5	14.2	11.9	52.0 m/10.6	10.9	11.5	11.6		10.2	10.5	52.0 m/10.8		9.3	9.6			50.0	
54.0			10.7	10.1	9.2	10.0	10.4	56.0 m/9.3	9.4	9.7	10.2		8.6	8.9	9.6		54.0	
58.0			9.7	9.1		56.0 m/9.3	9.4	8.8	8.4	8.9	9.2	60.0 m/8.1	7.9	8.2	8.9		58.0	
62.0			60.0 m/9.3	8.3			8.6	8.0	60.0 m/7.7	7.7	8.3	7.7	6.7	7.6	8.2	7.6	62.0	
66.0				64.0 m/7.9			7.8	7.2			7.6	7.0		6.7	7.4	6.8	66.0	
70.0								6.6			6.9	6.3			6.8	6.2	70.0	
74.0											72.0 m/6.4	5.7			5.9	5.6	74.0	
78.0												76.0 m/5.5			76.0 m/5.4	5.1	78.0	
Reeves			3				2				2				2		Reeves	

45.7 m Boom Length	45.7																	Boom length (m)
	Jib length (m)																Jib length (m)	
	Boom angle	21.3				27.4				33.5				39.6				Boom angle
Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Working Radius (m)	
12.0	54.0				49.0												12.0	
14.0	54.0				47.5				40.5								14.0	
16.0	53.0	54.0			46.0				40.5				35.2				16.0	
18.0	49.3	52.8			44.6				40.5				34.9				18.0	
20.0	45.4	46.2			43.1	45.7			40.5				34.6				20.0	
22.0	41.9	40.9			41.6	40.7			38.5	40.3			33.8				22.0	
24.0	33.4	36.6			38.2	36.5			36.4	36.4			32.6	35.0			24.0	
26.0		33.1			34.2	33.0			34.4	32.9			31.3	32.6			26.0	
28.0		30.1			29.8	30.1			31.3	30.0			30.1	29.6			28.0	
30.0					24.7	27.6			28.4	27.5			28.8	27.2			30.0	
34.0						23.6			22.7	23.5			24.4	23.3			34.0	
38.0								16.9	36.0 m/19.3	20.4	40.0 m/15.6		20.7	20.2			38.0	
42.0				40.0 m/16.2	14.4			14.9	14.1	40.0 m/19.1	14.6		15.7	17.8	44.0 m/13.7		42.0	
46.0				44.0 m/13.6				13.2	12.6		13.0	12.3		15.8	12.9		46.0	
50.0									11.2		11.6	11.0			11.5	10.7	50.0	
54.0											52.0 m/11.0	9.9			10.4	9.6	54.0	
58.0												56.0 m/9.5			9.4	8.7	58.0	
62.0																60.0 m/8.3	62.0	
Reeves			4				4			3				3			Reeves	

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components. Refer to notes P25 and P26.

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

45.7 m Boom Length	45.7																	Boom length (m)
	45.7				51.8				57.9				61.0				Jib length (m)	
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	28.1																18.0
	20.0	27.8			22.4				18.3									20.0
	22.0	27.5			22.1				18.0				16.3					22.0
	24.0	27.1			21.8				17.7				16.1					24.0
	26.0	26.6	27.6		21.5				17.4				15.9					26.0
	28.0	26.0	27.1		20.6	20.8			17.1				15.4					28.0
	30.0	24.7	26.6		19.6	19.8			16.2	17.0			14.6	15.3				30.0
	34.0	22.5	23.0		17.6	17.9			14.6	15.3			13.2	13.8				34.0
	38.0	20.4	20.0		15.8	16.1			13.2	13.8			12.0	12.5				38.0
	42.0	18.0	17.6		14.0	14.5			12.1	12.5			10.9	11.4				42.0
	46.0	14.7	15.6	48.0 m/11.9	12.4	12.9			11.0	11.4			10.0	10.4				46.0
	50.0	48.0 m/12.8	14.0	11.3	10.8	11.4	52.0 m/10.4		10.1	10.5			9.2	9.5				50.0
	54.0		52.0 m/13.3	10.1	9.3	9.2	10.0	9.8	9.3	9.7	9.6		8.5	8.8	56.0 m/8.9			54.0
	58.0			9.2	8.4		8.5	8.9	8.1	8.4	8.8	8.6	7.5	8.1	8.5			58.0
	62.0			8.3	7.7			8.0	7.3	60.0 m/7.7	7.7	7.8	7.0	5.6	7.5	7.7	64.0 m/6.4	62.0
	66.0			64.0 m/8.0	7.0			7.3	6.6		64.0 m/7.0	7.1	6.3		6.6	6.9	6.1	66.0
	70.0							6.6	5.9			6.4	5.6			6.2	5.5	70.0
	74.0								72.0 m/5.6			5.8	5.1			5.6	4.9	74.0
	78.0												4.6			4.8	4.4	78.0
	82.0																4.0	82.0
Reeves			3				2				2				2			Reeves

51.8 m Boom Length	51.8																	Boom length (m)
	21.3				27.4				33.5				39.6				Jib length (m)	
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	12.0	54.0			40.5													12.0
	14.0	52.4			40.5				40.5									14.0
	16.0	47.1			40.5				40.5				32.7					16.0
	18.0	42.6	51.8		40.5				40.5				32.3					18.0
	20.0	38.8	45.8		39.1	40.5			38.7				31.9					20.0
	22.0	35.5	40.6		35.8	40.3			35.6	39.8			31.5					22.0
	24.0	32.5	36.3		33.0	36.1			32.9	35.9			31.1	32.7				24.0
	26.0		32.9		30.5	32.6			30.6	32.5			30.2	32.2				26.0
	28.0		29.9		28.3	29.7			28.4	29.6			28.1	29.3				28.0
	30.0				25.5	27.2			26.5	27.1			26.3	26.9				30.0
	34.0			36.0 m/17.7		23.3			23.2	23.2			23.2	23.0				34.0
	38.0			16.5			40.0 m/15.1		36.0 m/19.9	20.2			20.6	19.9				38.0
	42.0			14.5	13.6		14.1		40.0 m/18.9	13.9			16.1	17.5				42.0
	46.0				12.0		12.5	11.6			12.3			15.6	12.1			46.0
	50.0						48.0 m/11.9	10.4			11.0	10.2			10.8			50.0
	54.0							52.0 m/9.9			9.9	9.2			9.7	8.8		54.0
	58.0											8.3			8.8	7.9		58.0
	62.0														60.0 m/8.4	7.2		62.0
	66.0															64.0 m/6.8		66.0
Reeves			4				3			3				3				Reeves

45.7 m Boom Length	51.8																	Boom length (m)
	45.7				51.8				57.9				61.0				Jib length (m)	
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	26.2																18.0
	20.0	25.9			21.2													20.0
	22.0	25.7			20.9				17.3				15.7					22.0
	24.0	25.4			20.6				17.0				15.4					24.0
	26.0	25.1	26.0		20.3				16.7				15.1					26.0
	28.0	24.8	25.7		20.0	20.5			16.4				14.8					28.0
	30.0	24.5	25.4		19.4	19.5			16.1	16.9			14.5	32.0 m/14.5				30.0
	34.0	22.5	22.7		17.4	17.7			14.5	15.2			13.1	13.7				34.0
	38.0	20.5	19.7		15.6	15.9			13.1	13.7			11.9	12.4				38.0
	42.0	18.0	17.3		13.9	14.3			12.0	12.4			10.9	11.3				42.0
	46.0	14.9	15.4		12.3	12.7			11.0	11.4			10.0	10.3				46.0
	50.0	48.0 m/13.0	13.8	10.6	10.7	11.3			10.1	10.4			9.2	9.5				50.0
	54.0		52.0 m/13.1	9.5	9.2	9.9	9.2		9.3	9.6			8.5	8.7				54.0
	58.0			8.5	7.6		8.5	8.2	7.3	8.7	8.0		6.3	8.1	7.8			58.0
	62.0			7.8	6.8			7.4	6.4	60.0 m/6.4	7.6	7.1	4.4	7.5	6.9			62.0
	66.0			7.1	6.1			6.7	5.8		64.0 m/7.0	6.4	5.4		5.7	6.2	68.0 m/4.9	66.0
	70.0				5.6			6.1	5.2			5.8	4.8			5.6	4.7	70.0
	74.0							72.0 m/5.8	4.6			5.2	4.3			5.0	4.2	74.0
	78.0								76.0 m/4.4			4.7	3.9			4.5	3.7	78.0
	82.0												3.5			80.0 m/4.2	3.3	82.0
	86.0																84.0 m/3.1	86.0
Reeves			2				2				2				2			Reeves

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.

Unit: metric ton

**Counterweight: 90.0 t,  
Carbody weight: 24.0 t**

57.9 m Boom Length	57.9																	Boom length (m)
	21.3				27.4				33.5				39.6				Jib length (m)	
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	12.0	40.5																12.0
	14.0	38.4				39.5				37.2								14.0
	16.0	35.4				35.7				35.5				27.0				16.0
	18.0	33.0	40.5			32.4				32.3				27.0				18.0
	20.0	30.0	37.3			29.6	36.3			29.6				27.0				20.0
	22.0	27.5	33.7			27.2	33.0			27.2	32.8			27.0				22.0
	24.0	25.2	30.7			25.1	30.2			25.1	30.1			25.0	27.0			24.0
	26.0		28.0			23.3	27.7			23.3	27.6			23.2	27.0			26.0
	28.0		25.7			21.6	25.5			21.7	25.5			21.6	25.3			28.0
	30.0		23.6			20.1	23.6			20.2	23.6			20.1	23.5			30.0
	34.0						20.4			17.7	20.5			17.7	20.4			34.0
	38.0			15.8			36.0 m/19.0			36.0 m/16.5	17.9			15.6	17.9			38.0
	42.0			13.8	44.0 m/11.8			13.6			15.7			13.8	15.8			42.0
	46.0			44.0 m/13.0	11.2			12.0	48.0 m/10.2			11.7		14.0	48.0 m/10.7			46.0
	50.0				48.0 m/10.5			10.8	9.7			10.4	52.0 m/8.8		10.1			50.0
	54.0								8.7			9.4	8.3			9.1	56.0 m/7.4	54.0
	58.0											56.0 m/8.9	7.4			8.2	7.0	58.0
	62.0												60.0 m/7.0			7.4	6.3	62.0
	66.0																5.7	66.0
Reeves				3				3				3				2		Reeves

57.9 m Boom Length	57.9																	Boom length (m)
	45.7				51.8				57.9				61.0				Jib length (m)	
	Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	24.5																18.0
	20.0	24.2				20.0												20.0
	22.0	23.9				19.7				16.4				14.9				22.0
	24.0	23.6				19.4				16.2				14.7				24.0
	26.0	23.1	24.3			19.1				16.0				14.5				26.0
	28.0	21.5	24.0			18.8				15.8				14.3				28.0
	30.0	20.0	22.8			18.5	19.3			15.6	32.0 m/16.0			14.1	32.0 m/14.4			30.0
	34.0	17.6	19.8			17.2	17.4			14.4	15.1			13.0	13.7			34.0
	38.0	15.6	17.5			15.4	15.7			13.1	13.6			11.8	12.3			38.0
	42.0	13.8	15.5			13.8	14.1			11.9	12.4			10.8	11.2			42.0
	46.0	12.4	13.9			12.2	12.6			10.9	11.3			9.9	10.2			46.0
	50.0	48.0 m/11.7	12.4	52.0 m/9.3		10.6	11.1			10.0	10.3			9.1	9.4			50.0
	54.0		52.0 m/11.8	8.8		9.2	9.8	56.0 m/7.9		7.9	9.5			7.0	8.6			54.0
	58.0			7.9	60.0 m/6.5		8.5	7.5		6.0	8.5	60.0 m/6.8		5.0	8.0			58.0
	62.0			7.1	6.1			6.7	64.0 m/5.2	60.0 m/5.1	7.5	6.4		3.3	6.8	6.2		62.0
	66.0			6.4	5.5			6.0	4.9		64.0 m/6.4	5.7	68.0 m/4.3		4.7	5.5		66.0
	70.0			68.0 m/6.1	5.0			5.4	4.4			5.1	4.0		68.0 m/3.7	4.9	3.9	70.0
	74.0				72.0 m/4.7			4.9	3.9			4.6	3.6			4.4	3.4	74.0
	78.0								3.5			4.1	3.2			3.9	3.0	78.0
	82.0											80.0 m/3.9	2.8			3.5	2.6	82.0
	86.0												84.0 m/2.6					86.0
Reeves				2				2				2				2		Reeves

Note:  
Ratings according to EN13000.  
Ratings shown in   are determined by the strength of the boom or other structural components.  
Refer to notes P25 and P26.

Unit: metric ton

**Counterweight: 90.0 t,  
Carbody weight: 24.0 t**

61.0 m Boom Length	61.0																				
	Boom length (m)	61.0															Boom length (m)				
	Jib length (m)	30.5				33.5				39.6				45.7			Jib length (m)				
Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Working Radius (m)
14.0	35.0				27.0																14.0
16.0	31.6				27.0				27.0												16.0
18.0	28.7				27.0				27.0					23.6							18.0
20.0	26.2				26.1				26.0					23.3							20.0
22.0	24.1	29.4			24.0				23.8					23.0							22.0
24.0	22.2	26.9			22.1	25.8			22.0					21.8							24.0
26.0	20.6	24.6			20.5	23.8			20.4	23.6				20.2							26.0
28.0	19.1	22.7			19.0	22.0			18.9	21.8				18.8	21.6						28.0
30.0	17.8	21.0			17.7	20.4			17.6	20.2				17.5	20.1						30.0
34.0	15.5	18.1			15.5	17.7			15.4	17.6				15.3	17.5						34.0
38.0		15.7			36.0 m/14.5	15.5			13.6	15.4				13.5	15.3						38.0
42.0			44.0 m/12.2			13.7			12.0	13.6				12.0	13.5						42.0
46.0			11.5				11.2			12.1				10.7	12.1						46.0
50.0			10.2	52.0 m/8.5			10.0			48.0 m/11.4	9.7			48.0 m/10.1	10.8						50.0
54.0			9.2	8.0			9.0	7.9			8.7				9.6	8.3					54.0
58.0				7.1			8.1	7.1			7.8	6.7				7.4					58.0
62.0				60.0 m/6.8				6.4			7.0	6.0				6.7	5.6				62.0
66.0												5.4				6.0	5.0				66.0
70.0													68.0 m/5.1			68.0 m/5.7	4.5				70.0
74.0																	4.1				74.0
Reeves			3				2				2				2						Reeves

61.0																	
Boom length (m)	61.0												Boom length (m)				
Jib length (m)	51.8				57.9				61.0				Jib length (m)				
Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Working Radius (m)
20.0	19.4																20.0
22.0	19.1				15.9				14.5								22.0
24.0	18.8				15.7				14.3								24.0
26.0	18.5				15.5				14.1								26.0
28.0	17.5				15.3				13.9								28.0
30.0	16.4	18.6			15.1	32.0 m/15.5			13.7	32.0 m/14.1							30.0
34.0	14.5	16.4			13.5	14.6			13.0	13.6							34.0
38.0	12.9	14.5			12.2	13.0			11.8	12.3							38.0
42.0	11.6	12.9			11.0	11.7			10.7	11.1							42.0
46.0	10.4	11.5			10.0	10.7			9.8	10.2							46.0
50.0	9.5	10.3			9.0	9.7			8.4	9.3							50.0
54.0	8.6	9.3	56.0 m/7.5		7.1	8.9			6.3	8.6							54.0
58.0		8.4	7.1		5.3	8.2	60.0 m/6.3		4.4	7.9							58.0
62.0		60.0 m/7.7	6.3		60.0 m/4.4	6.5	6.0		2.8	6.2	5.8						62.0
66.0			5.6	4.4		4.8	5.3			4.2	5.1						66.0
70.0			5.0	3.9			4.7	3.6		68.0 m/3.2	4.6	72.0 m/3.2					70.0
74.0			4.5	3.5			4.2	3.2			4.0	3.0					74.0
78.0				3.1			3.8	2.8			3.6	76.0 m/2.8					78.0
82.0				80.0 m/2.9			80.0 m/3.6				3.2						82.0
Reeves			2				2				2						Reeves

Note:  
 Ratings according to EN13000.  
 Ratings shown in   are determined by the strength of the boom or other structural components.  
 Refer to notes P25 and P26.



# Luffing Boom Lifting Capacities with Luffing Jib

Attached at 23 Degree Boom to Luffing Jib Offset Angle

Unit: metric ton

Counterweight: 90.0 t,  
Carbody weight: 24.0 t

21.3 m Boom Length	Boom length (m)	21.3					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	6.4 m	125.0	119.0	114.1	107.5	100.3	97.2
	7.0 m	125.0	119.0	114.1	107.5	100.3	97.2
	8.0 m	125.0	119.0	114.1	107.5	100.3	97.2
	9.0 m	111.7	106.6	102.7	97.3	91.6	89.1
	10.0 m	99.3	94.5	90.7	85.7	80.3	77.9
	12.0 m	72.6	68.2	64.8	61.2	55.2	53.0
	14.0 m	55.3	51.3	48.0	44.7	39.1	37.2
	16.0 m	43.9	40.1	37.0	33.8	28.6	26.8
	18.0 m	35.7	32.2	29.1	26.1	21.2	19.5
	Reeves	10	10	10	8	8	8

30.5 m Boom Length	Boom length (m)	30.5					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	8.0 m	115.2	111.6	106.5	101.4	95.8	93.4
	9.0 m	107.3	103.9	99.3	94.5	89.3	87.1
	10.0 m	95.7	92.5	88.1	83.7	78.8	76.7
	12.0 m	72.9	70.0	66.0	62.0	57.6	55.7
	14.0 m	55.6	53.0	49.3	45.5	41.5	39.7
	16.0 m	44.0	41.6	38.1	34.5	30.7	29.1
	18.0 m	35.7	33.4	30.1	27.5	23.1	21.6
	20.0 m	29.3	27.1	23.9	21.4	17.2	15.8
	22.0 m	24.2	22.2	19.0	16.7	12.6	11.2
	24.0 m	20.2	18.2	15.1	12.9	9.0	7.7
	Reeves	10	10	8	8	8	7

36.6 m Boom Length	Boom length (m)	36.6					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	10.0 m	93.5	89.2	84.6	80.3	75.8	73.8
	12.0 m	74.5	70.6	66.4	62.6	58.5	56.7
	14.0 m	57.1	53.5	49.7	46.2	42.3	40.7
	16.0 m	45.5	42.1	38.5	35.1	31.6	30.0
	18.0 m	37.1	33.9	30.4	27.3	23.9	22.4
	20.0 m	30.6	27.5	24.2	21.2	18.0	16.6
	22.0 m	25.5	22.5	19.3	16.4	13.3	12.0
	24.0 m	21.3	18.4	15.3	12.6	9.6	8.3
	26.0 m	18.0	15.2	12.2	9.5	6.6	
	28.0 m	15.1	12.4	9.5	7.5		
	30.0 m	12.9	10.2	7.4	5.5		
	Reeves	7	7	7	6	6	6

42.7 m Boom Length	Boom length (m)	42.7					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	12.0 m	71.6	67.5	63.5	59.9	55.9	54.2
	14.0 m	57.3	53.5	49.8	46.5	42.9	41.3
	16.0 m	45.7	42.1	38.6	35.5	32.1	30.6
	18.0 m	37.2	33.8	30.6	27.6	24.4	23.0
	20.0 m	30.6	27.4	24.2	21.4	18.3	17.0
	22.0 m	25.3	22.2	19.2	16.5	13.6	12.3
	24.0 m	21.2	18.2	15.2	12.6	9.8	8.6
	26.0 m	17.8	14.9	12.0	9.5	6.8	
	28.0 m	14.9	12.1	9.3	6.9		
	30.0 m	12.5	9.8	7.1	5.2		
	32.0 m	10.5	7.8	5.2			
	34.0 m	8.7	6.1				
	Reeves	6	6	5	5	5	5

48.8 m Boom Length	Boom length (m)	48.8					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	12.0 m	65.4	61.7	57.8	54.0	49.3	47.3
	14.0 m	55.8	52.5	48.5	46.2	41.8	40.3
	16.0 m	45.5	42.4	38.7	36.6	32.4	31.0
	18.0 m	37.1	34.2	30.6	28.6	24.7	23.4
	20.0 m	30.4	27.7	24.3	22.4	18.7	17.4
	22.0 m	25.2	22.5	19.3	17.4	13.9	12.6
	24.0 m	21.0	18.4	15.3	13.5	10.1	8.9
	26.0 m	17.6	15.1	12.1	10.3	7.0	
	28.0 m	14.7	12.2	9.3	7.6		
	30.0 m	12.3	9.9	7.0	5.4		
	32.0 m	10.2	7.8	5.1			
	34.0 m	8.4	6.1				
	36.0 m	6.9					
	38.0 m	5.5					
	Reeves	5	5	5	5	4	4

54.9 m Boom Length	Boom length (m)	54.9					
	Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
	14.0 m	51.2	47.7	44.6	41.6	37.3	35.8
	16.0 m	44.4	41.1	38.3	35.4	31.4	30.0
	18.0 m	37.1	34.0	31.3	28.6	24.8	23.5
	20.0 m	30.4	27.4	24.9	22.3	18.7	17.5
	22.0 m	25.2	22.3	19.8	17.4	13.9	12.7
	24.0 m	21.0	18.2	15.8	13.4	10.1	9.0
	26.0 m	17.5	14.7	12.5	10.2	7.0	5.9
	28.0 m	14.6	12.0	9.8	7.5		
	30.0 m	12.1	9.5	7.4	5.2		
	32.0 m	10.0	7.5	5.4			
	34.0 m	8.2	5.7				
	36.0 m	6.6					
	38.0 m	5.2					
	Reeves	4	4	4	4	3	3

61.0 m Boom Length	Boom length (m)	61.0				
	Jib length (m)	30.5	39.6	48.8	57.9	61.0
	14.0 m	46.2	43.6	40.0	35.8	34.3
	16.0 m	38.4	35.6	32.8	28.9	27.6
	18.0 m	32.6	30.0	27.4	23.7	22.4
	20.0 m	27.2	24.7	22.2	18.7	17.5
	22.0 m	22.1	19.7	17.4	14.0	12.9
	24.0 m	17.9	15.6	13.3	10.1	9.0
	26.0 m	14.6	12.3	10.2	7.0	6.0
	28.0 m	11.7	9.6	7.4		
	30.0 m	9.3	7.2	5.1		
	32.0 m	7.3	5.2			
	34.0 m	5.5				
	Reeves	4	4	3	3	3

Note: Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Refer to notes P25 and P26.



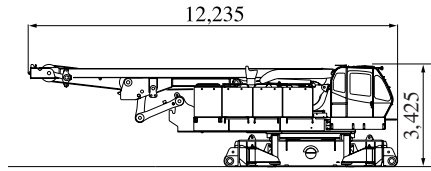


# PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

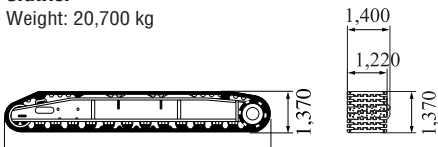
## Base Machine

With trans-lifter, main and aux. winches (non-free fall) including wire rope and boom hoist winch including wire rope  
Weight: 46,000 kg Width: 3,400 mm



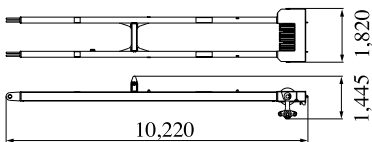
## Crawler

Weight: 20,700 kg



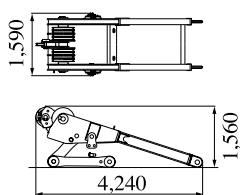
## Mast

Weight: 2,870 kg



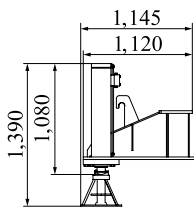
## Gantry

Weight: 3,020 kg



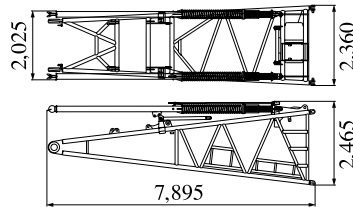
## Translifter

Weight: 395 kg



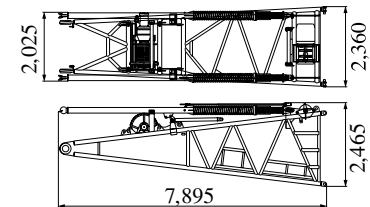
## Boom Base

Weight: 4,665 kg



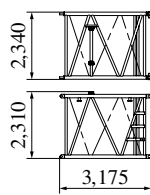
## Boom Base (with Winch)

Weight: 6,810 kg



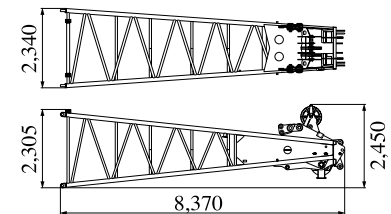
## 3.0 m Insert Boom (with Guy Line)

Weight: 890 kg



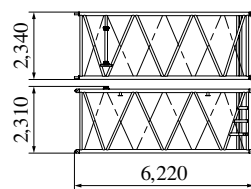
## Boom Top

Weight: 3,740 kg (with boom guy cables)



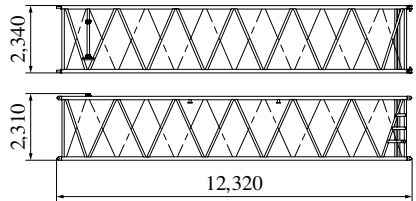
## 6.1 m Insert Boom (with Guy Line)

Weight: 1,440 kg



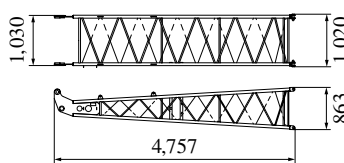
## 12.2 m Insert Boom (with Guy Line)

Weight: 2,540 kg



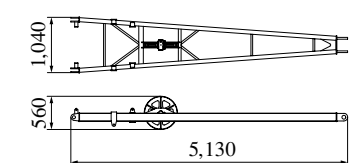
## Jib Base (Fixed Jib)

Weight: 210 kg



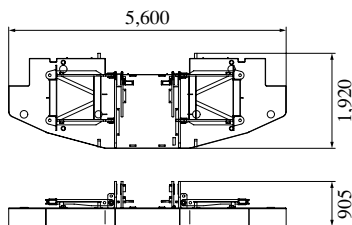
## Jib Strut (Fixed Jib)

Weight: 300 kg



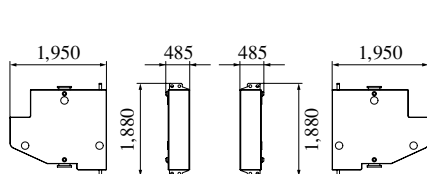
## Counterweight (A) with Hanger

Weight: 11,040 kg

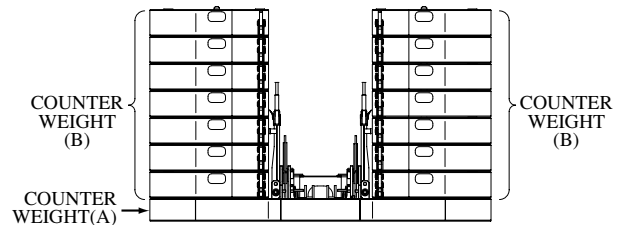


## Counterweight (B)

Weight: 5,685 kg / 1 Piece

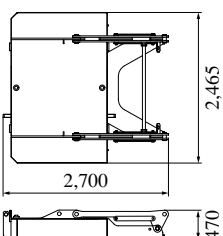


## Counterweight Assy



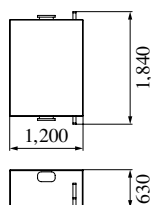
## Carbody Weight (Base) (with Link)

Weight: 6,350 kg x 1 piece

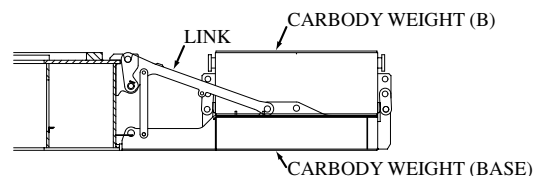


## Carbody Weight (B)

Weight: 5,625 kg



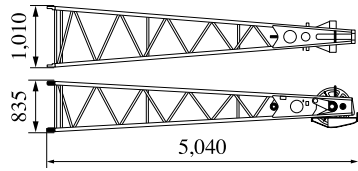
## Carbody Weight Assy



Dimensions: mm Weight: kg

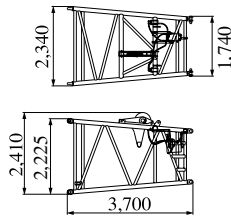
**Jib Top (For Crane)**

Weight: 315 kg



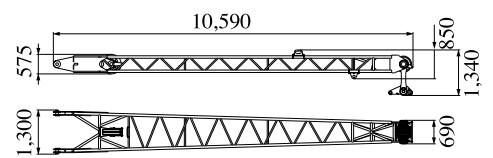
**Luffing Tapered Boom**

Weight: 1,190 kg



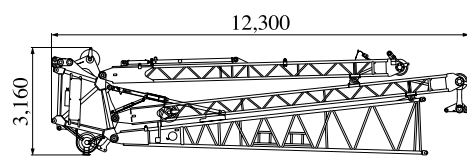
**Front Strut (Luffing Jib)**

Weight: 1,410 kg



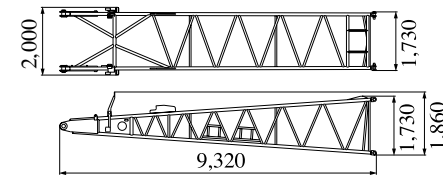
**Travel Kit Assembly**

Weight: 6,730 kg



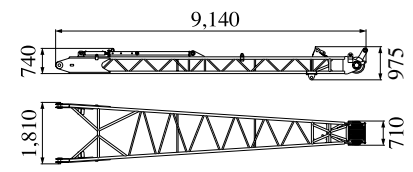
**Luffing Jib Base**

Weight: 1,470 kg



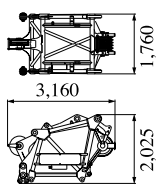
**Rear Strut (Luffing Jib)**

Weight: 1,510 kg



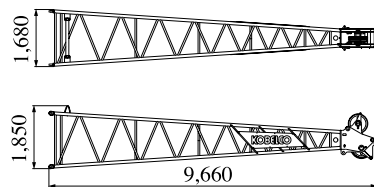
**Luffing Boom Top**

Weight: 2,085 kg



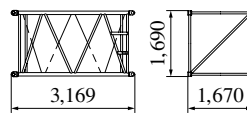
**Luffing Jib Top**

Weight: 1,400 kg



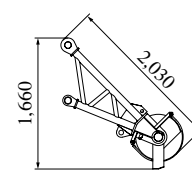
**3.0 m Special Insert Jib (Luffing Jib)**

Weight: 313 kg



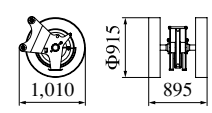
**Aux. Sheave**

Weight: 290 kg



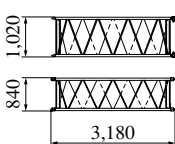
**Aux. Sheave (For Luffing Jib)**

Weight: 380 kg



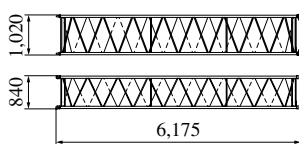
**3.0 m Insert Jib (Fixed Jib)**

Weight: 110 kg



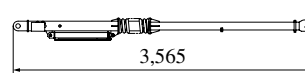
**6.1 m Insert Jib (Fixed Jib)**

Weight: 190 kg



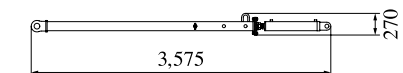
**Luffing Jib Backstop**

Weight: 260 kg



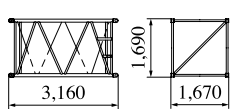
**Strut Backstop (Luffing Jib)**

Weight: 180 kg



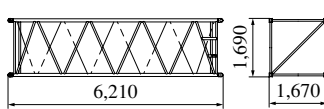
**3.0 m Insert Jib (Luffing Jib)**

Weight: 320 kg



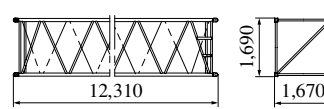
**6.1 m Insert Jib (Luffing Jib)**

Weight: 530 kg



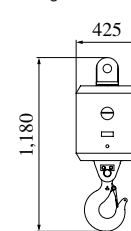
**12.2 m Insert Jib (Luffing Jib)**

Weight: 960 kg



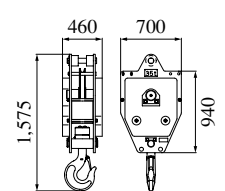
**Ball Hook**

Weight: 455 kg



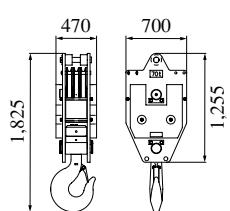
**35 t Hook**

Weight: 900 kg



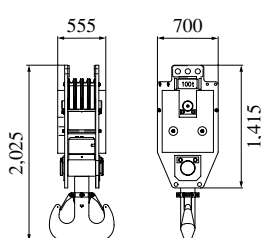
**70 t Hook**

Weight: 1,200 kg



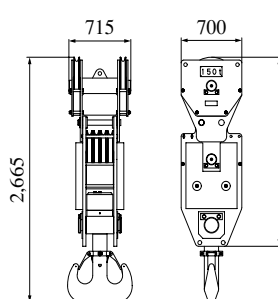
**100 t Hook**

Weight: 1,800 kg



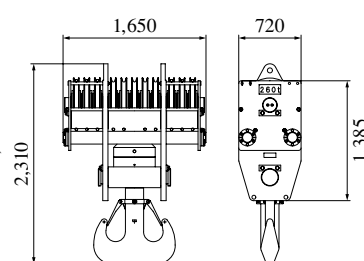
**150 t Hook**

Weight: 2,300 kg



**260 t Hook**

Weight: 4,160 kg



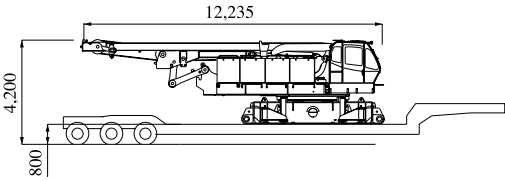
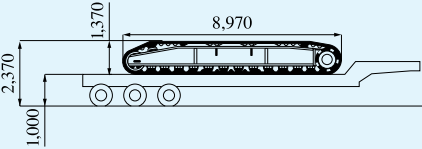
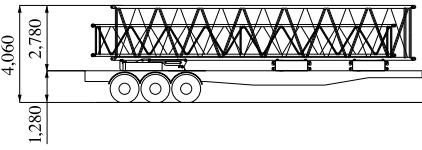
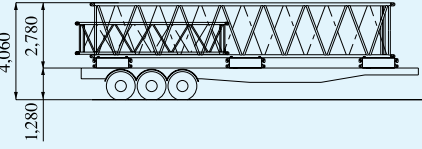
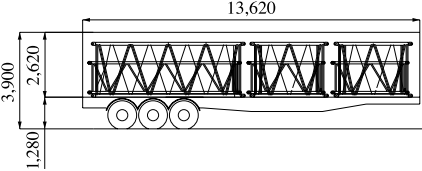
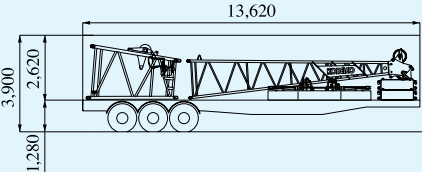
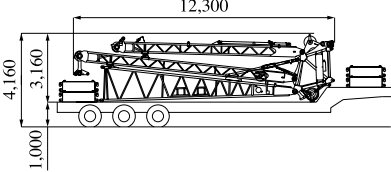
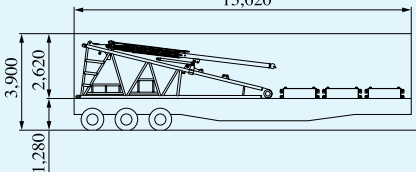
**Other Attachments**

Attachments	Weight	Dimensions (L x W x H)
Relay jib	400 kg (with guy cables)	3,170 mm x 1,670 mm x 1,690 mm
Tapered boom with idler sheave & link (for long)	1,170 kg	4,905 mm x 2,340 mm x 2,360 mm
Luffing jib drum	2,050 kg (with wire rope)	1,780 mm x 1,190 mm x 1,040 mm

Note: Estimated weights may vary ± 2%.

# TRANSPORTATION PLAN

## Luffing Boom 61.0 m + Luffing Jib 61.0 m

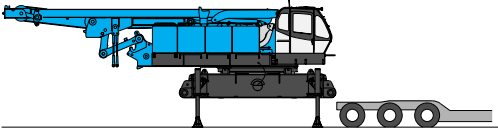
Configuration	Description	Total Weight
<b>No.1 Low Loader</b> 	Base Machine = With trans-lifter, main and aux. winches (non-free fall) including wire rope, boom hoist winch including wire rope	46.00 ton
<b>No.2 Semi Loader</b> 	Crawler = (2 x 20.7 ton)	41.40 ton
<b>No.3 &amp; No.4 Flat Bed Trailer</b> 	Carbodyweight A x 1 = Counterweight (2 x 5.63 ton) = 12.2 m Insert Boom x 1 = 12.2 m Luffing Insert Jib x 1 = Total =	6.35 ton 11.26 ton 2.54 ton 1.17 ton 21.32 ton
<b>No.5 Flat Bed Trailer</b> 	Counterweight (3 x 5.63 ton) = 12.2 m Insert Boom x 1 = 6.1 m Luffing Insert Jib x 1 = Total =	16.89 ton 2.54 ton 0.67 ton 20.10 ton
<b>No.6 Tent Side Truck</b> 	3.0 m Insert Boom (2 x 0.89 ton) = 6.1 m Insert Boom x 1 = 6.1 m Luffing Insert Jib x 1 = 3.0 m Luffing Insert Jib x 1 = Relay Jib x 1 = Total =	1.78 ton 1.44 ton 0.67 ton 0.42 ton 0.40 ton 4.71 ton
<b>No.7 Tent Side Truck</b> 	Luffing Jib Top x 1 = Luffing Tapered Boom x 1 = Counterweight (2 x 5.63 ton) = Counterweight A x 1 = Total =	1.40 ton 1.19 ton 11.26 ton 11.04 ton 24.89 ton
<b>No.8 Semi Loader</b> 	Travel Kit Assembly = Counterweight (2 x 5.63 ton) = Carbodyweight B (2 x 5.63 ton) = Total =	6.73 ton 11.26 ton 11.26 ton 29.25 ton
<b>No.9 Tent Side Truck</b> 	Boom Base x 1 = Counterweight (3 x 5.63 ton) = Total =	6.81 ton 16.89 ton 23.70 ton

Note: Estimated weights may vary  $\pm 2\%$ .

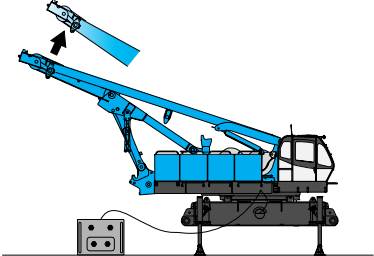
This transportation plan depends on specifications of your trailers/trucks and the areas or countries where you transport.

# SELF-REMOVAL DEVICE

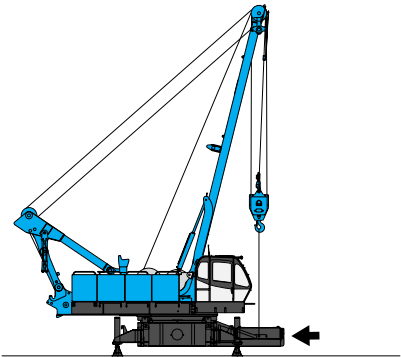
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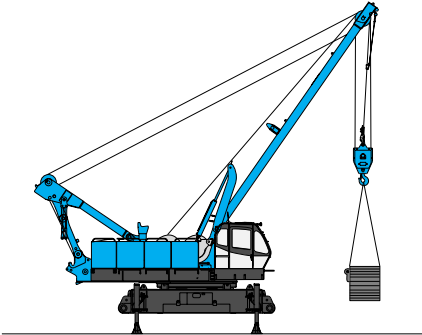
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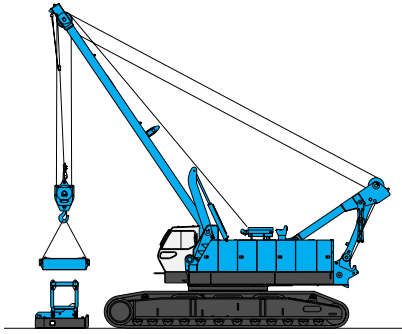
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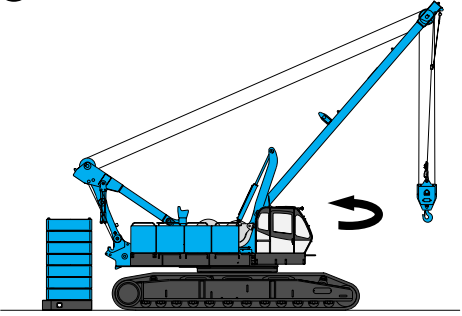
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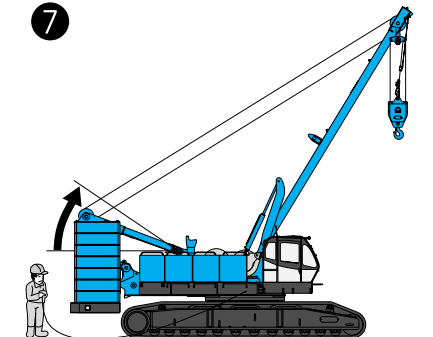
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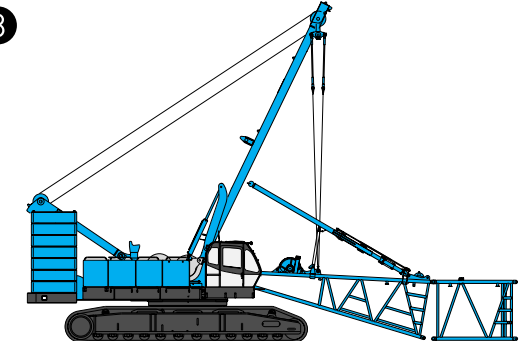
6



7



8





**HYDRAULIC CRAWLER CRANE**  
**CKL2600i**

**Standard Equipment**

**Upper structure/Lower structure**

Counterweight: 90.0 ton (total weight)  
 Carbody weight: 24.0 ton (total weight)  
 1,220 mm shoe crawlers  
 Batteries (150Ah/20HR)  
 Trans-lifter (jack system)  
 Gantry raising/lowering cylinder  
 Electric hand throttle grip  
 Variable boom hoist speed controller  
 Variable main/aux. hoist speed controller  
 Swing neutral-free/brake select switch  
 Side deck for cab  
 Side deck (right side guard)  
 Steps (crawlers)  
 Two front working lights  
 Tools (for routine maintenance)  
 Two rear view mirrors  
 Electric fuel pump  
 Counterweight self removal  
 Crawler self removal  
 Base boom self removal  
 Cable roller (for boom)

**Cab/Control**

Air conditioner  
 Cup holder  
 Ashtray  
 Cigar lighter  
 Intermittent wiper & window washer (skylight and front window)  
 Sun visor  
 Roof blind  
 Floor mat (cloth)  
 Foot rest  
 Shoe tray

**Safety Device**

Load Moment Indicator (with boom lowering slow stop function)  
 LMI release key (for hook over-hoist prevention device and boom over-hoist prevention device)  
 LCD multi display  
 Ultimate stop function for boom over-hoist  
 Function lock lever  
 Propel lever lock  
 Mechanical drum lock pawl (main, aux. and boom hoist)  
 Signal horn  
 Swing parking brake  
 Mechanical swing lock pin (four positions)  
 Swing flashers/warning buzzer  
 External lamp for over-load alarm

**Note:** Standard equipment may vary depending on your areas or countries.  
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**KOBELCO CRANES INDIA PVT. LTD.**

H-200, Sector-63, Noida,  
 Distt: Gautam Budh Nagar, Uttar Pradesh-201, 307, India  
 Tel: +91-120-407-9989 Fax: +91-120-407-9990

Inquiries To:

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