

# HYDRAULIC CRAWLER CRANE

# CKE4000C

# KOBELCO

Heavy-Duty Boom  
Specification  
for KOREA

**Max. Lifting Capacity (Heavy-Duty Boom): 400 t × 4.2 m**  
**Max. Lifting Capacity (Standard Boom): 350 t × 6.0 m**  
**Max. Boom Length (Light-Duty Boom): 96 m**

**Max. Lifting Capacity (Luffing Jib): 113.5 t × 16.0 m**  
**Max. Combination (Boom + Jib Length): 72 m + 54 m**

## S P E C I F I C A T I O N S

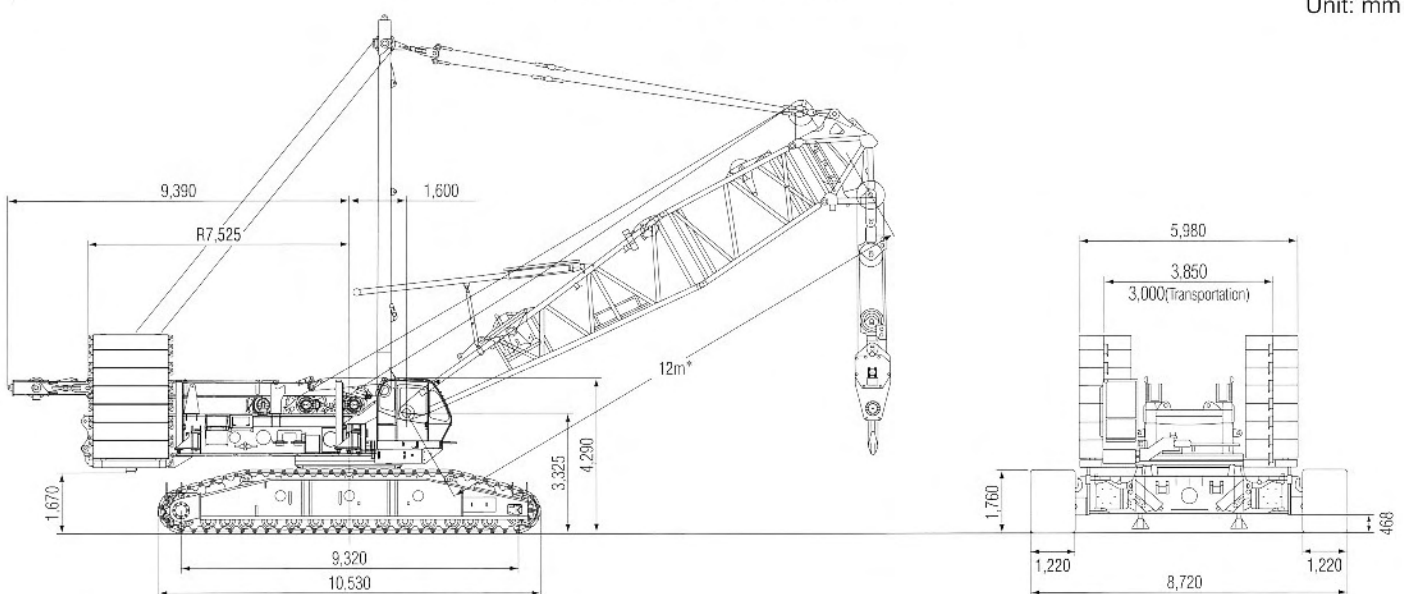
Heavy-Duty Crane	
Max. Lifting Capacity	400 t / 4.2 m
Boom Length	12 m
Standard Crane	
Max. Lifting Capacity	350 t / 6.0 m
Boom Length	18 m to 78 m
HL Crane	
Max. Lifting Capacity	350 t / 7.0 m
Boom Length	30 m to 84 m
SHL Crane	
Max. Lifting Capacity	350 t / 12.0 m
Boom Length	30 m to 84 m
Light-Duty Crane	
Max. Lifting Capacity	113.5 t / 14.0 m
Boom Length	30 m to 96 m
Luffing Jib	
Max. Lifting Capacity	113.5 t / 16.0 m
Max. Combination	66 m + 66 m / 72 m + 54 m
HL Luffing Jib	
Max. Lifting Capacity	113.5 t / 16.0 m
Max. Combination	72 m + 66 m / 78 m + 54 m
SHL Luffing Jib	
Max. Lifting Capacity	113.5 t / 16.0 m
Max. Combination	78 m + 66 m / 84 m + 54 m

Main & Aux. Winch	
Max. Line Speed	130 m/min (5th layer)
Wire Rope	28 mm
Brake Type	Spring set hydraulically release brake
Working Speed	
Swing Speed	1.3 min <sup>-1</sup> (rpm)
Travel Speed	1.0/0.4 km/h
Power Plant	
Model	HINO K13C-UV
Engine Output	295 kW / 2,000 min <sup>-1</sup> (rpm)
Fuel Tank Capacity	600 liters
Hydraulic System	
Main Pumps	6 variable displacement pump
Max. Pressure	31.9 MPa (325 kgf/cm <sup>2</sup> )
Self-Erection Device	
	Option
Weight	
Operating Weight	Approx. 346 t
Counterweight	Std. 120 t (Upper) + 41 t (Lower)
Transport Weight	60.0 t (Main machine)
Ground Pressure	150 kPa (1.52 kgf/cm <sup>2</sup> )

Units are SI units. { } indicates conventional units.

## General Dimensions

Unit: mm



\* Heavy-duty boom specification: with 12.0m boom length only.

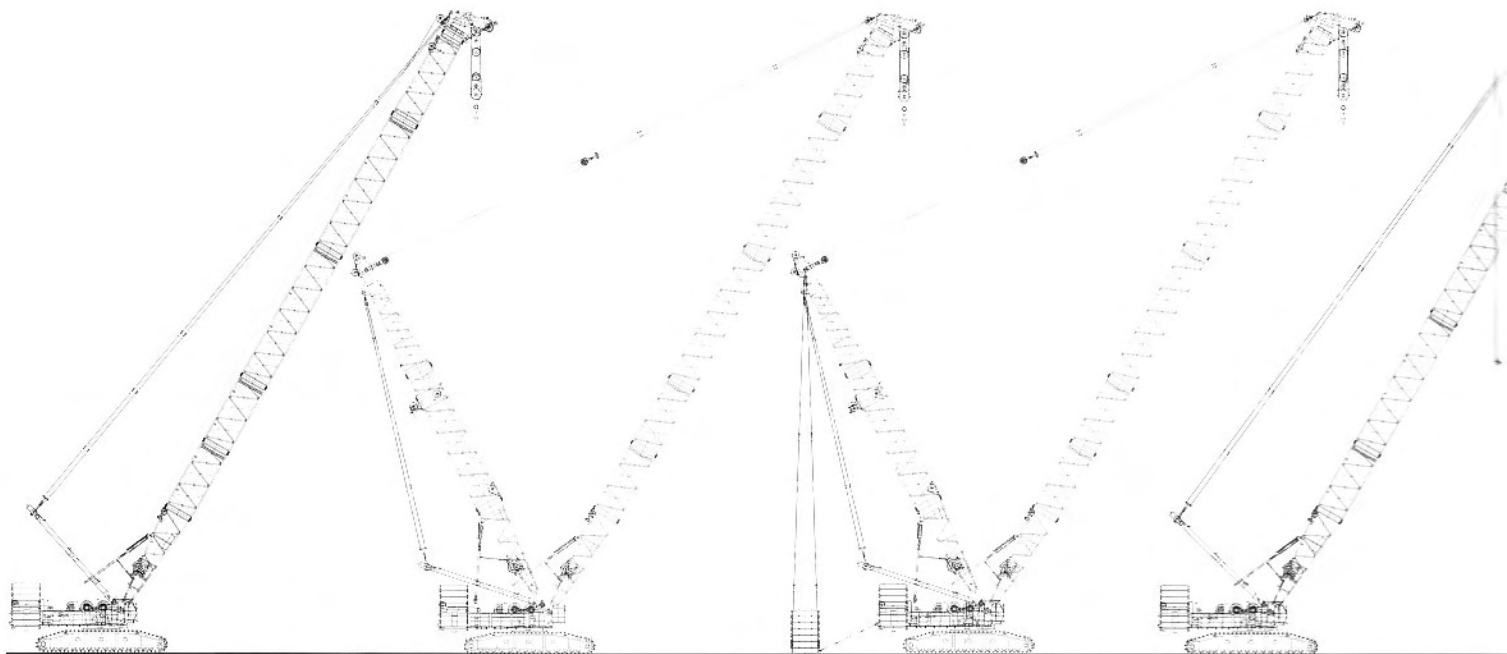
# Configuration and Style of Attachment

## Style and Combination of Boom and Jib

Style	Heavy-duty Crane	Standard Crane	HL Crane	SHL Crane	Light-duty Crane	Luffing Jib	HL Luffing Jib	SHL Luffing Jib
<b>Specifications</b>								
Max. lifting capacity	400 t x 4.2 m	350 t x 6.0 m	350 t x 7.0 m	350 t x 12.0 m	113.5 t x 14.0 m	113.5 t x 16.0 m	113.5 t x 16.0 m	113.5 t x 16.0 m
Basic boom length	12 m	18 m	30 m	30 m	30 m	24 m + 24 m	30 m + 24 m	30 m + 24 m
Max. boom length (Max. Combinations)	—	78 m	84 m	84 m	96 m	66 m + 66 m	72 m + 66 m	78 m + 66 m
<b>Crane Boom/Main Boom for Luffing Jib</b>								
Base (lower boom)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (1)
HL mast	N.A.	N.A.	Common use (1)	Common use (1)	N.A.	N.A.	Common use (1)	Common use (1)
Top (standard boom top)	N.A.	Common use (1)	Common use (1)	Common use (1)	N.A.	Common use (1)	Common use (1)	Common use (1)
HD top (heavy-duty top)	Heavy-duty only(1)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
6 m insert boom: A	N.A.	Common use (2)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (1)	Common use (2)
12 m insert boom: C	N.A.	Common use (4)	Common use (5)	Common use (5)	Common use (4)	Common use (4)	Common use (4)	Common use (4)
6 m tapered boom: D	N.A.	N.A.	N.A.	N.A.	Light-duty only (1)	N.A.	N.A.	N.A.
7.8 m tapered boom: B	N.A.	Common use (1)	Common use (1)	Common use (1)	N.A.	Common use (1)	Common use (1)	Common use (1)
<b>Luffing Jib</b>								
Base (lower jib)	N.A.	N.A.	N.A.	N.A.	N.A.	Common use (1)	Common use (1)	Common use (1)
Jib tip (light-duty tip)	N.A.	N.A.	N.A.	N.A.	Common use (1)	Common use (1)	Common use (1)	Common use (1)
6m insert jib: E	N.A.	N.A.	N.A.	N.A.	Common use (1)	Common use (2)	Common use (2)	Common use (2)
12 m insert jib: F	N.A.	N.A.	N.A.	N.A.	Common use (1)	Common use (2)	Common use (3)	Common use (3)

Note:

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



### Standard Crane

Max. Lifting Capacity:  
**350 metric ton x 6.0 m**  
Boom Length:  
**18m to 78m**

### HL Crane

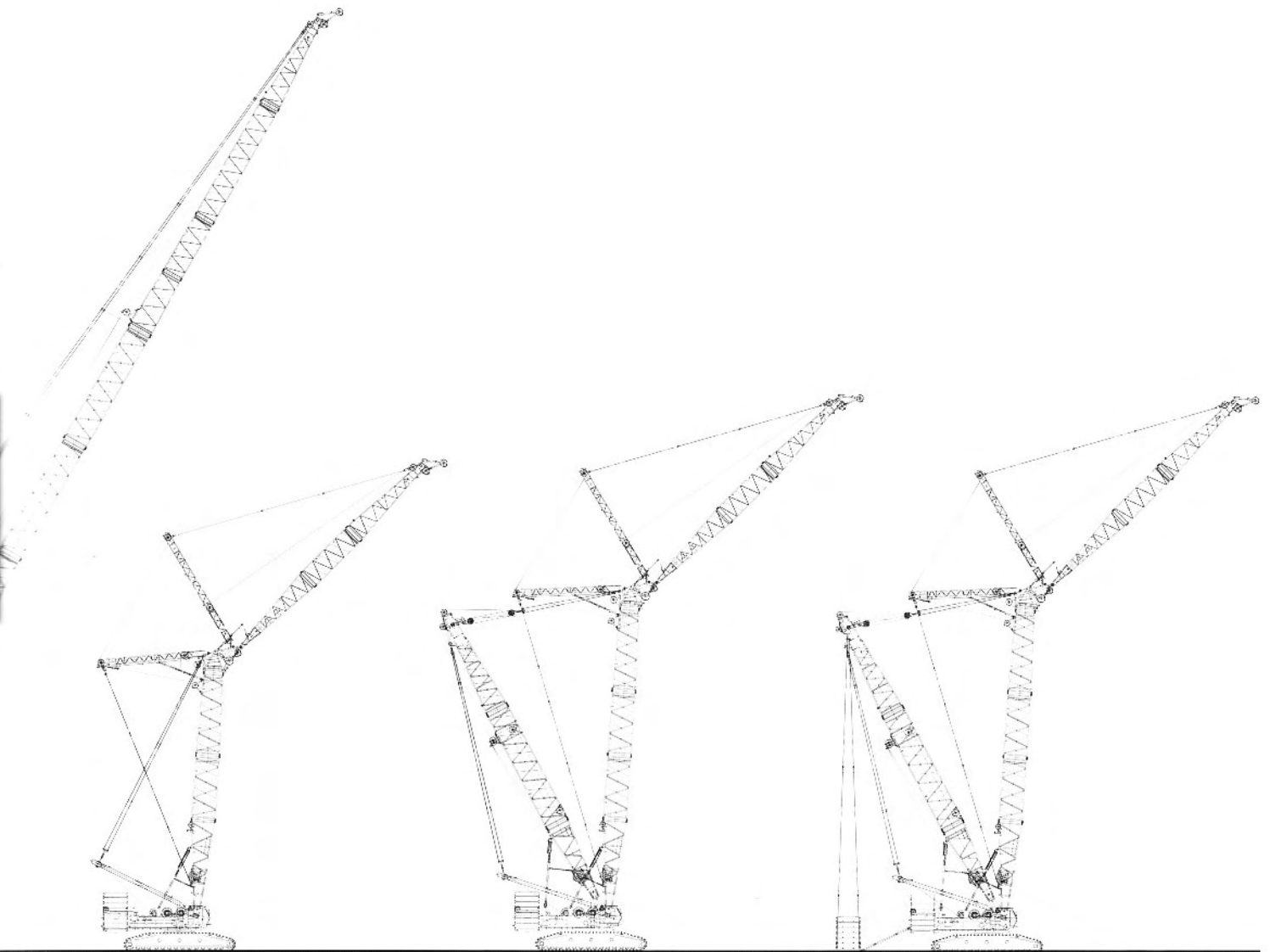
Max. Lifting Capacity:  
**350 metric ton x 7.0 m**  
Boom Length:  
**30m to 84m**

### SHL Crane

Max. Lifting Capacity:  
**350 metric ton x 12.0 m**  
Boom Length:  
**30m to 84m**

### Light-duty Crane

Max. Lifting Capacity:  
**113.5 metric ton x 14.0 m**  
Boom Length:  
**30m to 96m**



## **Luffing Jib**

Max. Lifting Capacity:

**113.5 metric ton x 16.0 m**

Max. Combinations:

**66m + 66m/72m + 54m**

## **HL Luffing Jib**

Max. Lifting Capacity:

**113.5 metric ton x 16.0 m**

Max. Combinations:

**72m + 66m/78m + 54m**

## **SHL Luffing Jib**

Max. Lifting Capacity:

**113.5 metric ton x 16.0 m**

Max. Combinations:

**78m + 66m/84m + 54m**

**Rated loads in metric tons for 360° working area**  
**(Counterweight 120 tons + Carbodyweight 41 tons, Double drum)**

Unit: metric tons

Operating radius (m)	Boom length (m)	Standard crane boom											Boom length (m)	
	Heavy-duty boom	12.0*	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	Operating radius (m)
4.2	400.0													4.2
5.0	375.0	350.0	5.5m/350.0											5.0
6.0	350.0	350.0	350.0	6.1m/350.0	6.8m/343.3									6.0
7.0	320.7	320.7	318.5	316.6	314.4	7.4m/302.1								7.0
8.0	269.4	269.4	267.6	265.8	263.8	262.2	261.1	8.6m/242.4						8.0
9.0	200.2	231.8	230.4	228.8	226.9	225.3	224.1	222.9	9.3m/219.7	9.9m/200.4				9.0
10.0	166.0	203.0	202.0	200.5	198.7	197.2	195.9	194.6	193.5	192.5	10.5m/171.4	11.1m/144.7		10.0
12.0	111.4	160.8	160.8	160.1	158.5	157.0	155.8	154.5	153.3	152.1	151.1	142.5		12.0
14.0		127.2	127.0	126.4	125.5	124.6	124.1	123.8	122.9	122.7	122.7	121.9		14.0
16.0		104.8	104.4	103.5	102.7	101.6	101.1	100.7	99.8	99.5	99.4	98.6		16.0
18.0		17.9m/89.7	88.2	87.2	86.3	85.2	84.6	84.2	83.2	82.9	82.8	81.9		18.0
20.0			76.0	75.0	74.0	72.8	72.3	71.7	70.8	70.4	70.3	69.3		20.0
22.0			66.6	65.5	64.5	63.3	62.7	62.1	61.1	60.7	60.5	59.6		22.0
24.0			23.1m/62.3	57.9	56.8	55.6	55.0	54.4	53.3	52.9	52.7	51.8		24.0
26.0				51.8	50.6	49.4	48.7	48.0	47.0	46.6	46.4	45.4		26.0
28.0				47.4	45.5	44.2	43.5	42.8	41.7	41.3	41.1	40.0		28.0
30.0				28.3m/46.7	41.2	39.9	39.1	38.4	37.3	36.8	36.6	35.5		30.0
34.0					33.5m/35.3	33.0	32.1	31.3	30.2	29.7	29.4	28.3		34.0
38.0						28.0	26.9	26.0	24.9	24.3	23.9	22.9		38.0
42.0						38.7m/27.3	22.9	21.9	20.7	20.0	19.6	18.3		42.0
46.0							43.9m/21.4	18.7	17.4	16.4	15.9	14.5		46.0
50.0								49.1m/16.7	14.5	13.5	12.8	11.5		50.0
54.0									12.5	11.1	10.3	8.9		54.0
58.0									54.3m/12.3	9.1	8.2	6.8		58.0
62.0										59.5m/8.5	6.5	5.0		62.0
66.0											64.7m/5.6	3.6		66.0
70.0												69.8m/2.4		70.0
reeves	36	32	32	32	32	28	24	20	20	16	16	16	reeves	

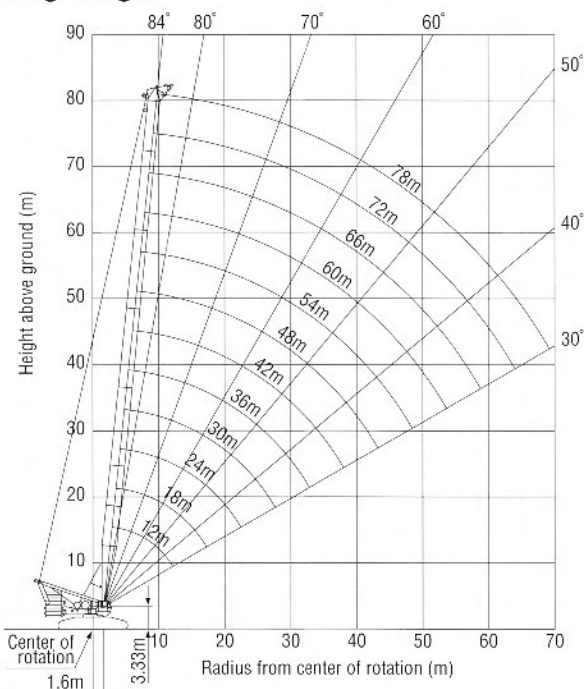
Note : Designed and rated to comply with ANSI Code B30.5.

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

This is the rated for double drum.

\* Values of 12.0m boom length are lifting capacities for heavy-duty boom. Ratings shown for boom length 18.0m or longer are with standard boom top only.

## Working Ranges



## Boom Arrangement

### Heavy-Duty Boom

Boom length	Boom arrangement
12 m	Base-HD

### Standard Crane Boom

Boom length	Boom arrangement
18 m	Base-B-Top
24 m	Base-A-B-Top
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top, Base-C-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top
78 m	Base-A-A-C-C-C-C-B-Top

Note : Base (lower boom) = 9.0 m , Top (standard boom top) = 1.2 m,

HD(heavy-duty top)=3.0m

Inserts: A = 6.0 m, B (tapered boom)= 7.8 m , C = 12.0 m

## Rated loads in metric tons for 360° working area

(Counterweight 120 tons + 35tons, Carbodyweight 41 tons, Double drum)

Unit: metric tons

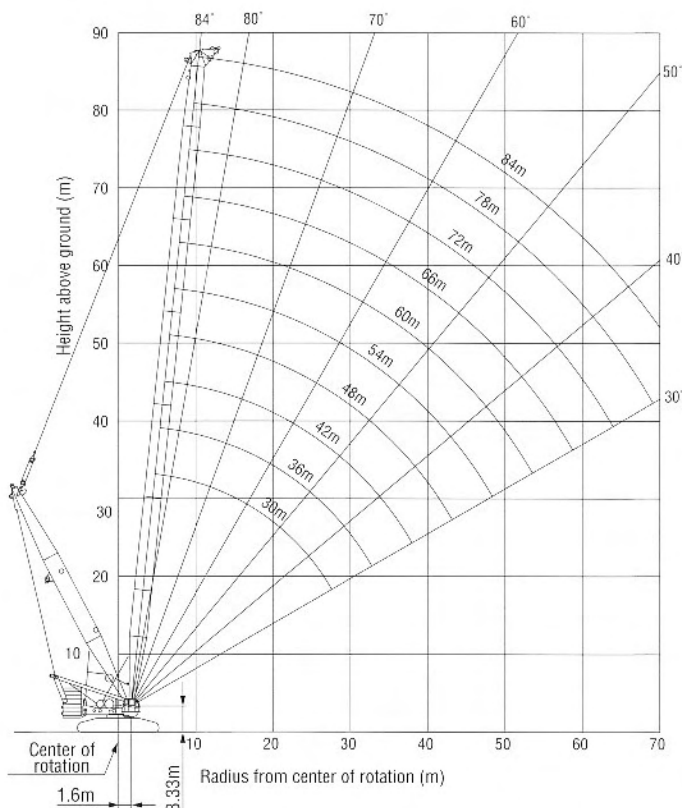
Boom length (m) Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom length (m) Operating radius (m)
6.0	6.1 m/350.0	6.8 m/350.0									6.0
7.0	350.0	350.0	7.4 m/350.0								7.0
8.0	315.5	315.0	311.4	308.0	8.6 m/280.0						8.0
9.0	252.4	269.6	269.1	269.1	268.8	9.3 m/249.5	9.7 m/224.0				9.0
10.0	224.2	223.5	223.0	222.8	222.4	222.1	221.8	10.5 m/196.0			10.0
12.0	166.1	165.2	164.6	164.4	163.9	163.5	163.1	162.8			12.0
14.0	131.1	130.2	129.5	129.2	128.6	128.1	127.7	127.3	126.6		14.0
16.0	107.8	106.8	106.0	105.6	105.0	104.5	104.0	103.6	102.8		16.0
18.0	91.1	90.0	89.2	88.7	88.1	87.5	87.0	86.6	85.7	84.4	18.0
20.0	78.5	77.4	76.6	76.1	75.4	74.8	74.3	73.8	72.9	71.6	20.0
22.0	68.8	67.7	66.8	66.2	65.5	64.9	64.3	63.8	62.9	61.7	22.0
24.0	61.1	59.9	59.0	58.4	57.6	57.0	56.4	55.8	55.0	53.7	24.0
26.0	54.8	53.6	52.6	51.9	51.2	50.5	49.9	49.3	48.4	47.1	26.0
28.0	50.4	48.3	47.3	46.6	45.8	45.1	44.5	43.9	43.0	41.7	28.0
30.0	28.3 m/49.7	43.9	42.8	42.1	41.3	40.5	39.9	39.3	38.4	37.1	30.0
34.0		33.5 m/38.1	35.8	34.9	34.1	33.3	32.6	32.0	31.0	29.7	34.0
38.0			30.6	29.6	28.6	27.8	27.0	26.4	25.4	24.1	38.0
42.0			38.7 m/30.1	25.4	24.4	23.5	22.7	22.0	21.0	19.6	42.0
46.0				43.9 m/24.0	21.1	20.1	19.2	18.5	17.3	15.7	46.0
50.0					49.1 m/19.1	17.3	16.4	15.4	14.2	12.6	50.0
54.0						15.3	13.9	12.8	11.6	10.0	54.0
58.0						54.3 m/15.1	11.8	10.7	9.4	7.8	58.0
62.0							59.5 m/11.3	8.9	7.6	5.9	62.0
66.0								64.7 m/ 8.0	6.0	4.3	66.0
70.0									69.8 m/ 4.9		70.0
reeves	32	32	32	28	24	20	20	16	16	16	reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

This is the rated for double drum.

## Working Ranges



## Boom Arrangement

Boom length	Boom arrangement
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top, Base-C-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top
78 m	Base-A-A-C-C-C-C-B-Top
84 m	Base-A-C-C-C-C-C-B-Top

Base (lower boom) = 9.0 m , Top (standard boom top) = 1.2 m  
 Inserts: A = 6.0 m, B (tapered boom)= 7.8 m, C = 12.0 m

## HL Mast Arrangement

Mast length	Mast arrangement
30 m	Base-C-Tip

Base (lower mast) = 9.0 m , Tip (upper mast) = 9.0 m  
 Inserts: C = 12.0 m

## Rated loads in metric tons for 360° working area

(Counterweight 120 tons + Carbodyweight 41 tons, Pallette weight 250 tons x 13 m, Double drum) Unit: metric tons

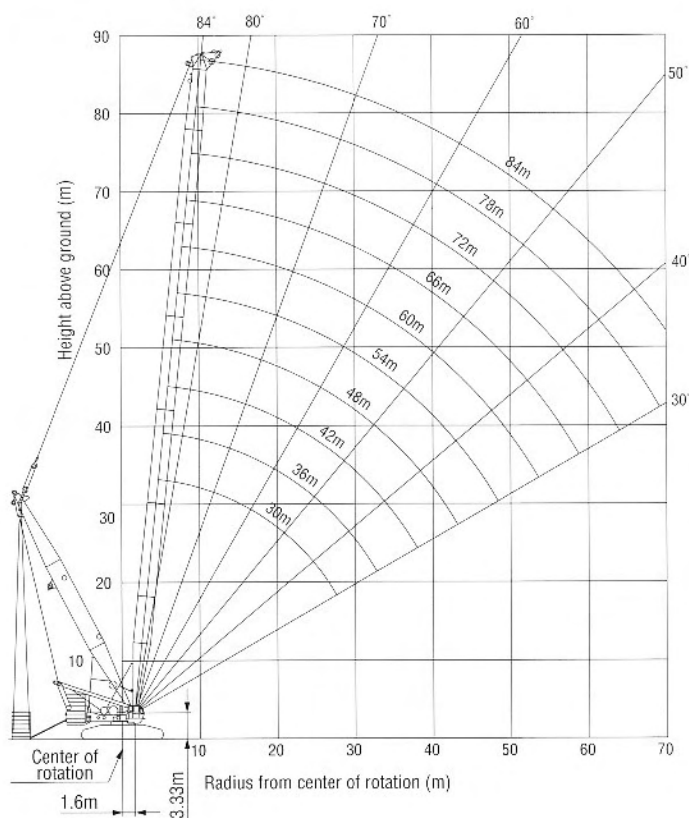
Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Operating radius (m)
6.0	6.1 m/350.0	6.8 m/350.0									6.0
7.0	350.0	350.0	7.4 m/350.0								7.0
8.0	350.0	350.0	350.0	308.0	8.6 m/280.0						8.0
9.0	350.0	350.0	350.0	308.0	280.0	9.3 m/249.5	9.7 m/224.0				9.0
10.0	350.0	350.0	349.9	308.0	280.0	249.5	224.0	10.5 m/196.0			10.0
12.0	350.0	350.0	349.2	308.0	280.0	249.5	224.0	196.0			12.0
14.0	336.0	332.5	331.7	308.0	280.0	249.5	224.0	196.0	190.7		14.0
16.0	293.0	293.0	293.0	293.0	280.0	249.5	224.0	196.0	190.3		16.0
18.0	257.1	263.7	260.4	262.9	262.4	249.5	224.0	196.0	189.6	165.9	18.0
20.0	217.8	234.6	231.5	233.7	235.8	233.0	221.8	196.0	188.8	165.5	20.0
22.0	184.5	214.1	209.1	213.1	212.6	205.7	209.7	196.0	187.8	165.1	22.0
24.0	155.1	195.7	191.0	194.5	192.1	187.7	189.3	191.0	186.6	164.7	24.0
26.0	128.1	177.1	176.2	175.7	175.2	171.2	172.6	174.0	173.3	160.4	26.0
28.0	105.1	154.3	160.7	160.1	159.5	159.0	158.6	158.2	157.5	156.2	28.0
30.0	28.3 m/101.7	131.6	147.5	146.9	146.3	145.7	145.3	144.9	144.2	142.9	30.0
34.0		33.5 m/95.6	126.6	125.9	125.1	124.5	124.0	123.5	122.8	121.5	34.0
38.0			96.3	109.8	109.0	108.3	107.7	107.2	106.4	105.1	38.0
42.0			38.7 m/91.5	97.3	96.4	95.6	94.9	94.3	93.5	92.2	42.0
46.0				43.9 m/87.4	81.9	85.3	84.6	84.0	83.1	81.8	46.0
50.0					49.1 m/80.1	76.9	76.1	75.4	74.5	73.1	50.0
54.0						70.4	69.0	68.3	67.3	65.9	54.0
58.0						54.3 m/69.9	63.1	62.2	61.3	60.0	58.0
62.0							59.5 m/61.4	57.1	56.1	54.7	62.0
66.0								64.7 m/54.3	51.6	50.2	66.0
70.0									69.8 m/48.0	46.4	70.0
74.0										42.9	74.0
78.0										42.0	78.0
reeves	32	32	32	28	24	20	20	16	16	16	reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

This is the rated for double drum.

## Working Ranges



## Boom Arrangement

Boom length	Boom arrangement
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top, Base-C-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top
78 m	Base-A-A-C-C-C-C-B-Top
84 m	Base-A-C-C-C-C-C-B-Top

Base (lower boom) = 9.0 m , Top (standard boom top) = 1.2 m,  
Inserts: A = 6.0 m, B (tapered boom)= 7.8 m, C = 12.0 m

## HL Mast Arrangement

Mast length	Mast arrangement
30 m	Base-C-Tip

Base (lower mast) = 9.0 m , Tip (upper mast) = 9.0 m  
Inserts: C = 12.0 m

## Light-duty boom (Counterweight 120 tons + Carbodyweight 41 tons)

Unit: metric tons

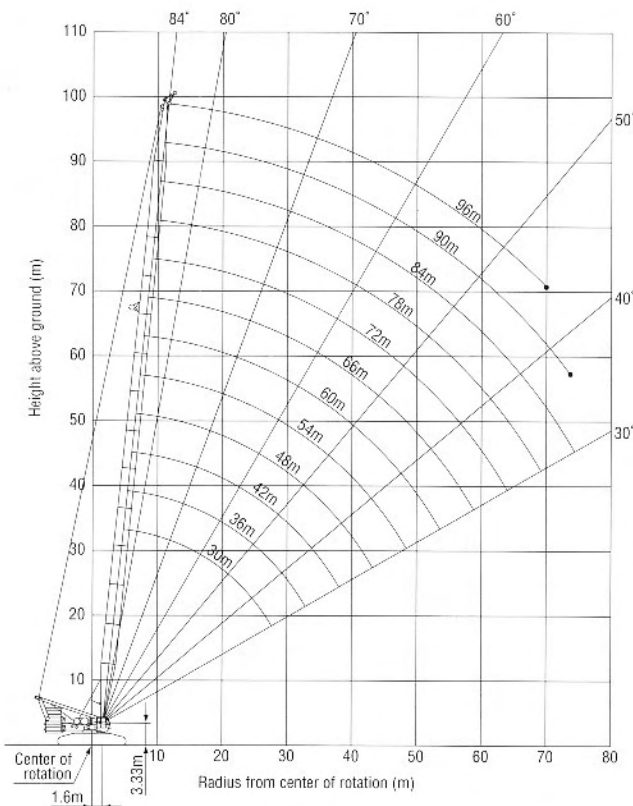
Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	Boom length (m)	Operating radius (m)
5.0	5.3 m/113.5													5.0
6.0	113.5	113.5	6.6 m/113.5											6.0
7.0	113.5	113.5	113.5	7.2 m/113.5	7.8 m/113.5									7.0
8.0	113.5	113.5	113.5	113.5	113.5	8.5 m/113.5								8.0
9.0	113.5	113.5	113.5	113.5	113.5	113.5	9.1 m/113.5	9.7 m/99.4						9.0
10.0	113.5	113.5	113.5	113.5	113.5	113.5	113.5	99.4	10.4 m/99.4	11.0 m/85.2	11.6 m/75.9			10.0
12.0	113.5	113.5	113.5	113.5	113.5	110.9	106.9	99.4	98.0	85.2	75.4	12.2 m/53.0		12.0
14.0	113.5	113.5	113.0	108.6	104.3	100.3	96.2	92.6	88.5	85.0	73.1	51.5		14.0
16.0	105.2	104.9	104.3	98.7	94.6	90.8	87.0	83.6	80.2	77.3	70.9	49.8		16.0
18.0	89.7	89.3	88.7	88.1	84.0	80.5	76.9	73.8	70.7	68.5	64.8	48.2		18.0
20.0	78.0	77.6	77.0	76.3	74.1	71.1	68.0	65.0	62.3	60.3	57.0	46.7		20.0
22.0	68.9	68.4	67.8	67.2	66.4	63.5	60.5	57.8	55.1	53.6	50.8	45.2		22.0
24.0	61.6	61.1	60.4	59.8	59.1	57.0	54.4	51.8	49.4	47.8	45.3	42.4		24.0
26.0	55.6	55.1	54.4	53.7	53.0	52.2	49.0	46.6	44.3	42.8	40.7	38.5		26.0
28.0	27.9 m/51.0	50.0	49.4	48.7	47.9	47.2	44.5	42.2	40.2	38.9	36.9	34.8		28.0
30.0		45.8	45.1	44.4	43.7	42.9	40.7	38.5	36.5	35.2	33.4	31.5		30.0
34.0		33.1 m/40.6	38.3	37.6	36.8	36.0	33.8	31.8	30.2	29.0	27.5	26.3		34.0
38.0			33.1	32.4	31.6	30.4	28.4	26.5	25.5	24.5	23.3	22.0		38.0
42.0			38.3 m/32.9	28.3	27.5	26.0	24.1	22.4	21.3	20.3	19.5	18.2		42.0
46.0				43.5 m/27.1	23.9	22.2	20.4	18.9	17.8	16.8	16.1	15.0		46.0
50.0					48.7 m/21.5	18.9	17.3	15.8	14.8	14.0	13.3	12.7		50.0
54.0						53.9 m/16.2	14.7	13.2	12.5	11.7	11.2	10.3		54.0
58.0							12.5	11.2	10.3	9.7	9.1	8.3		58.0
62.0							59.1 m/12.0	9.4	8.4	7.8	7.3	6.6		62.0
66.0								64.3 m/8.3	6.6	6.2	5.8	5.1		66.0
70.0									69.5 m/5.4	4.7	4.4	3.7		70.0
74.0										3.4	3.1			74.0
78.0										74.7 m/3.2				78.0
reeves	9	9	9	9	9	9	9	8	8	7	6	4		reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

This is the rated for double drum.

## Working Ranges

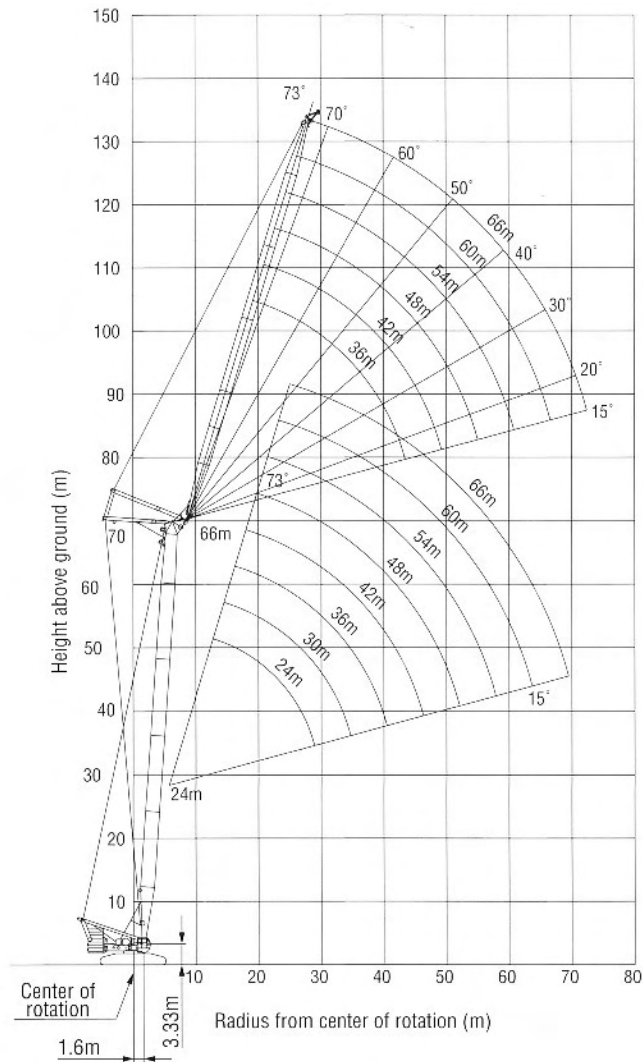


## Boom Arrangement

Boom length	Boom arrangement
30 m	Base-A-D-Jib tip
36 m	Base-A-A-D-Jib tip, Base-C-D-Jib tip
42 m	Base-A-C-D-Jib tip
48 m	Base-A-A-C-D-Jib tip, Base-C-C-D-Jib tip
54 m	Base-A-C-C-D-Jib tip
60 m	Base-A-A-C-C-D-Jib tip, Base-C-C-C-D-Jib tip
66 m	Base-A-C-C-C-D-Jib tip
72 m	Base-A-A-C-C-C-D-Jib tip, Base-C-C-C-C-D-Jib tip
78 m	Base-A-C-C-C-C-D-Jib tip
84 m	Base-A-C-C-C-C-D-E-Jib tip
90 m	Base-A-C-C-C-C-D-E-E-Jib tip, Base-A-C-C-C-C-D-F-Jib tip
96 m	Base-A-C-C-C-C-D-E-F-Jib tip

Base (lower boom) = 9.0 m , Jib tip (light-duty tip) = 9 m  
 Inserts: A = 6.0 m, C = 12.0 m, D (6m tapered boom) = 6.0 m,  
 E (insert jib) = 6.0 m, F (insert jib) = 12.0 m

## Working Ranges



## Boom Arrangement

Boom length	Boom arrangement
24 m	Base-A-B-Top
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top

Base (lower boom) = 9.0 m , Top (standard boom top) = 1.2 m,  
 Inserts: A = 6.0 m, B (tapered boom) = 7.8 m, C = 12.0 m

## Jib Arrangement

Jib length	Jib arrangement
24 m	Base-E Jib tip
30 m	Base-E-E-Jib tip, Base-F-Jib tip
36 m	Base-E-F-Jib tip
42 m	Base-E-E-F-Jib tip, Base-F-F-Jib tip
48 m	Base-E-F-F-Jib tip
54 m	Base-E-E-F-F-Jib tip, Base-F-F-F-Jib tip
60 m	Base-E-F-F-F-Jib tip
66 m	Base-E-E-F-F-F-Jib tip

Base (lower jib) = 9.0 m, Jib tip (light-duty tip) = 9.0 m  
 Inserts (jib): E (insert jib) = 6.0 m, F (insert jib) = 12.0 m

## Luffing Boom and Jib Combinations

Boom Length	24 m jib	30 m jib	36 m jib	42 m jib	48 m jib	54 m jib	60m jib	66 m jib
24 m	○	○	○	○	○	○	○	○
30 m	○	○	○	○	○	○	○	○
36 m	×	○	○	○	○	○	○	○
42 m	×	○	○	○	○	○	○	○
48 m	×	○	○	○	○	○	○	○
54 m	×	○	○	○	○	○	○	○
60 m	×	×	○	○	○	○	○	○
66 m	×	×	○	○	○	○	○	○
72 m	×	×	○	○	○	○	×	×

○ : Luffing Jib Combinations Which is Allowed.

×



# Luffing Jib Lifting Capacity

# CKE4000C

## (1) Luffing jib rated loads in metric tons for 360° working area : 24 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	24.0 m Boom												Operating radius (m)
	24.0 m Jib			30.0 m Jib			36.0 m Jib			42.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
14.0	113.5												14.0
16.0	113.5			113.5									16.0
18.0	106.2			105.4			104.3						18.0
20.0	93.3			92.7			91.7			91.0			20.0
22.0	83.1	78.5		82.5			81.6			81.1			22.0
24.0	74.8	70.7		74.2			73.3			72.8			24.0
26.0	67.9	64.1		67.3	63.3		66.4			66.0			26.0
28.0	60.0	58.6		61.6	57.8		60.7	56.7		60.2			28.0
30.0		53.9	51.0	56.6	53.1		55.7	52.1		55.2	51.4		30.0
34.0			43.7	48.7	45.6	42.9	47.8	44.6		47.2	43.9		34.0
38.0					39.7	37.3	41.7	38.8	36.2	41.1	38.1		38.0
42.0						32.9		34.2	31.9	36.2	33.5	31.1	42.0
46.0									28.4	32.4	29.8	27.6	46.0
50.0											26.8	24.7	50.0
54.0												22.3	54.0
Reeves		9			9			9			8		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	24.0 m Boom												Operating radius (m)
	48 m Jib			54 m Jib			60 m Jib			66 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
22.0	80.1												22.0
24.0	72.3			70.8			64.4						24.0
26.0	65.4			65.0			61.1			55.4			26.0
28.0	59.6			59.2			58.1			52.7			28.0
30.0	54.6			54.2			53.3			50.2			30.0
34.0	46.6	43.2		46.2			45.2			44.8			34.0
38.0	40.4	37.4		39.9	36.8		39.0	35.8		38.6			38.0
42.0	35.5	32.7		35.0	32.1		34.1	31.1		33.6	30.6		42.0
46.0	31.6	29.0	26.7	31.0	28.4		30.1	27.4		29.6	26.8		46.0
50.0	28.3	25.9	23.8	27.7	25.3	23.1	26.7	24.3		26.2	23.7		50.0
54.0		23.4	21.4	24.8	22.7	20.7	24.0	21.7	19.6	23.4	21.1		54.0
58.0			19.4	22.7	20.5	18.6	21.6	19.5	17.6	20.9	18.9	16.9	58.0
62.0					18.7	16.9	19.4	17.6	15.8	18.3	16.9	15.1	62.0
66.0						15.4		16.0	14.3	16.2	15.3	13.6	66.0
70.0									13.0		13.9	12.2	70.0
74.0												11.1	74.0
Reeves		7			6			5			5		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

# Luffing Jib Lifting Capacity

# CKE4000C

## (2) Luffing jib rated loads in metric tons for 360° working area : 36 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	36.0 m Boom												Operating radius (m)
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
16.0	113.5												16.0
18.0	102.2			99.4									18.0
20.0	89.7			88.7			88.0						20.0
22.0	79.8			78.8			78.4			77.3			22.0
24.0	71.7			70.8			70.3			69.8			24.0
26.0	65.0			64.1			63.6			63.1			26.0
28.0	59.4	53.3		58.5			58.0			57.4			28.0
30.0	54.5	48.9		53.6	47.8		53.1			52.6			30.0
34.0	46.7	41.8		45.9	40.7		45.4	40.1		44.8			34.0
38.0		36.4	32.4	39.9	35.3		39.4	34.6		38.8	33.9		38.0
42.0		32.0	28.5		31.0	27.3	34.6	30.3		34.0	29.6		42.0
46.0			25.4		27.6	24.2	30.8	26.8	23.4	30.1	26.1		46.0
50.0						21.6		24.0	20.8	26.9	23.2	19.9	50.0
54.0									18.6		20.8	17.7	54.0
58.0									16.8		18.8	15.9	58.0
62.0												14.3	62.0
Reeves	9			8			7			6			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	36.0 m Boom									Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	
22.0										22.0
24.0	68.4									24.0
26.0	62.7			60.9						26.0
28.0	57.0			56.7			53.3			28.0
30.0	52.2			51.8			50.8			30.0
34.0	44.3			43.9			43.0			34.0
38.0	38.3	33.3		37.8			36.9			38.0
42.0	33.5	28.9		33.0	28.3		32.1			42.0
46.0	29.6	25.4		29.0	24.8		28.2	23.8		46.0
50.0	26.3	22.5		25.8	21.9		24.9	20.9		50.0
54.0	23.7	20.1	17.0	23.0	19.4		22.2	18.5		54.0
58.0	21.4	18.1	15.1	20.7	17.4	14.4	19.9	16.4		58.0
62.0		16.3	13.6	18.8	15.6	12.8	17.9	14.7	11.8	62.0
66.0			12.2		14.1	11.4	16.2	13.1	10.4	66.0
70.0			11.1		12.8	10.2	14.8	11.8	9.2	70.0
74.0						9.2		10.7	8.2	74.0
78.0									7.3	78.0
82.0									6.6	82.0
Reeves	6			5			5			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

# Luffing Jib Lifting Capacity

# CKE4000C

## (3) Luffing jib rated loads in metric tons for 360° working area : 48 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	48.0 m Boom												Operating radius (m)
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
18.0	99.4												18.0
20.0	87.4			85.2									20.0
22.0	77.7			77.3			75.7						22.0
24.0	69.8			69.3			68.4			68.0			24.0
26.0	63.2			62.7			61.9			61.4			26.0
28.0	57.7			57.2			56.3			55.9			28.0
30.0	52.9	44.9		52.5			51.6			51.1			30.0
34.0	45.3	38.3		44.8	37.5		44.0			43.5			34.0
38.0		33.2		38.9	32.4		38.1	31.4		37.6			38.0
42.0		29.1		34.2	28.4		33.4	27.4		32.9	26.6		42.0
46.0			21.0		25.1	20.1	29.7	24.1		29.1	23.4		46.0
50.0			18.7		22.4	17.8		21.5	16.7	25.9	20.7		50.0
54.0						15.9		19.2	14.8		18.5	13.9	54.0
58.0						14.3			13.2		16.6	12.3	58.0
62.0									11.9		15.0	11.0	62.0
66.0												9.8	66.0
70.0												8.9	70.0
Reeves	8			7			6			6			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	48.0 m Boom								Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib		
	Boom angle			Boom angle			Boom angle		
	86°	76°	66°	86°	76°	66°	86°	76°	
24.0	65.9								24.0
26.0	60.5			58.5					26.0
28.0	55.0			54.6			51.9		28.0
30.0	50.3			49.9			49.0		30.0
34.0	42.6			42.2			41.3		34.0
38.0	36.7			36.3			35.4		38.0
42.0	32.0	25.6		31.5			30.7		42.0
46.0	28.2	22.4		27.7	21.7		26.9		46.0
50.0	25.1	19.7		24.6	19.1		23.7	18.1	50.0
54.0	22.5	17.5		21.9	16.8		21.0	15.9	54.0
58.0	20.3	15.6	11.3	19.6	14.9		18.8	14.0	58.0
62.0		14.0	9.9	17.7	13.3	9.1	16.9	12.3	62.0
66.0		12.6	8.8		11.9	8.0	15.2	10.9	66.0
70.0			7.8		10.7	7.0	13.8	9.7	70.0
74.0			7.0			6.1		8.6	74.0
78.0						5.3		7.7	78.0
Reeves	6			5			4		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (4) Luffing jib rated loads in metric tons for 360° working area : 60 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	60.0 m Boom										Operating radius (m)
	36.0 m Jib			42.0 m Jib			48.0 m Jib		54 m Jib		
	Boom angle			Boom angle			Boom angle		Boom angle		
	86°	76°	66°	86°	76°	66°	86°	76°	86°	76°	
20.0	71.0										20.0
22.0	71.0			71.0							22.0
24.0	67.0			66.8			64.4				24.0
26.0	60.6			60.3			59.3		56.8		26.0
28.0	55.2			54.9			53.9		53.6		28.0
30.0	50.6			50.3			49.3		49.0		30.0
34.0	43.1			42.8			41.8		41.5		34.0
38.0	37.4	28.6		37.0			36.1		35.7		38.0
42.0	32.8	24.9		32.4	24.3		31.5	23.1	31.1		42.0
46.0		21.9		28.7	21.3		27.8	20.2	27.4	19.6	46.0
50.0		19.5			18.8		24.7	17.7	24.3	17.1	50.0
54.0			11.6		16.8		22.2	15.7	21.7	15.1	54.0
58.0			10.2		15.1	9.5		13.9	19.5	13.4	58.0
62.0			9.1			8.3		12.5		11.9	62.0
66.0						7.4				10.6	66.0
70.0										9.5	70.0
Reeves		6			6			5		5	Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	60.0 m Boom				Operating radius (m)
	60.0 m Jib		66.0 m Jib		
	Boom angle		Boom angle		
	86°	76°	86°	76°	
28.0	50.7		46.5		28.0
30.0	48.0		45.9		30.0
34.0	40.5		40.3		34.0
38.0	34.7		34.5		38.0
42.0	30.2		29.9		42.0
46.0	26.4		26.1		46.0
50.0	23.4	16.0	23.0	15.5	50.0
54.0	20.8	14.0	20.4	13.5	54.0
58.0	18.6	12.3	18.2	11.8	58.0
62.0	16.7	10.8	16.3	10.3	62.0
66.0	15.1	9.5	14.6	9.0	66.0
70.0		8.4	8.2	7.9	70.0
74.0		7.5		6.9	74.0
78.0				6.0	78.0
82.0				5.3	82.0
Reeves		4		4	Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (5) Luffing jib rated loads in metric tons for 360° working area : 66 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	66.0 m Boom														Operating radius (m)
	36.0 m Jib			42.0 m Jib		48.0 m Jib		54.0 m Jib		60.0 m Jib		66.0 m Jib			
	Boom angle			Boom angle		Boom angle		Boom angle		Boom angle		Boom angle			
	86°	76°	66°	86°	76°	86°	76°	86°	76°	86°	76°	86°	76°		
20.0	71.0														20.0
22.0	71.0			70.8											22.0
24.0	65.5			65.1		56.8									24.0
26.0	59.5			59.2		56.8		54.1							26.0
28.0	54.2			53.9		52.9		52.6		47.6					28.0
30.0	49.6			49.3		48.3		48.0		46.7		41.8			30.0
34.0	42.3			41.9		41.0		40.7		40.4		39.5			34.0
38.0	36.6	26.6		36.2		35.3		34.9		34.6		33.7			38.0
42.0	32.1	23.1		31.7	22.4	30.8		30.4		30.0		29.2			42.0
46.0		20.2		28.0	19.6	27.1	18.4	26.7	17.8	26.3		25.5			46.0
50.0		17.9			17.3	24.1	16.1	23.7	15.5	23.3	14.9	22.4			50.0
54.0		16.0	9.2		15.3	21.6	14.2	21.1	13.6	20.7	13.0	19.8	12.0		54.0
58.0			8.0		13.7		12.5	19.0	12.0	18.5	11.3	17.7	10.3		58.0
62.0			7.0				11.2		10.6	16.6	9.9	15.8	8.9		62.0
66.0			6.2				10.0		9.3	15.0	8.7	14.2	7.7		66.0
70.0									8.3		7.6	11.1	6.7		70.0
74.0											6.7		5.7		74.0
78.0											5.9		4.9		78.0
Reeves		6			6		5		5		4		4		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (6) Luffing jib rated loads in metric tons for 360° working area : 72 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

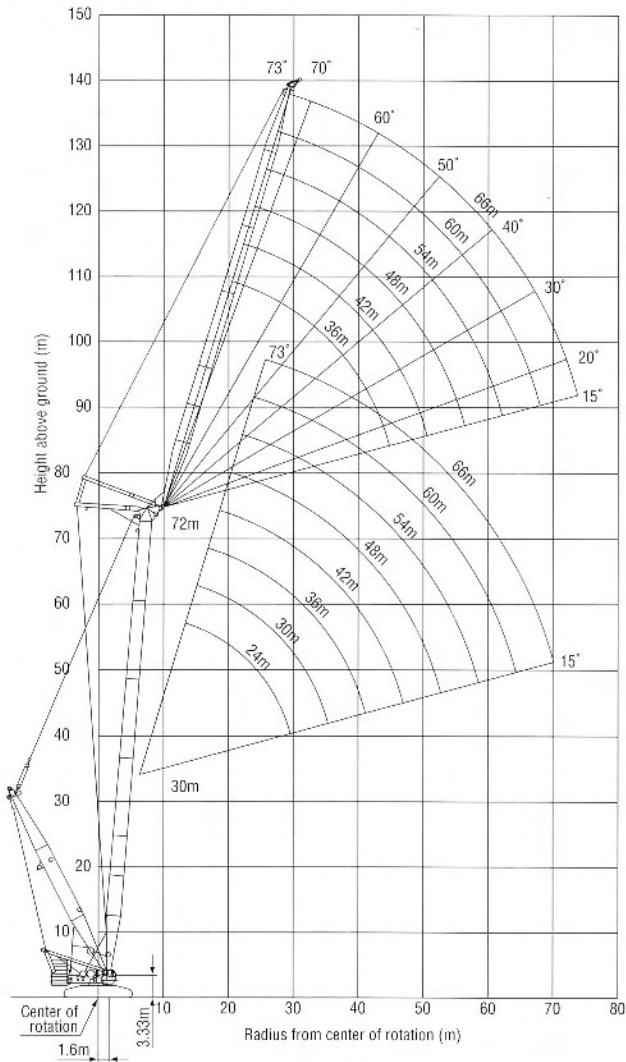
Unit: metric ton

Operating radius (m)	72.0 m Boom								Operating radius (m)
	36.0 m Jib		42.0 m Jib		48.0 m Jib		54 m Jib		
	Boom angle		Boom angle		Boom angle		Boom angle		
	86°	76°	86°	76°	86°	76°	86°	76°	
22.0	58.3		57.5						22.0
24.0	53.3		52.8		51.9				24.0
26.0	49.0		48.6		48.0		47.0		26.0
28.0	45.3		44.9		44.3		43.8		28.0
30.0	41.9		41.7		41.1		40.6		30.0
34.0	36.3		36.2		35.6		35.2		34.0
38.0	31.8		31.7		31.2		30.9		38.0
42.0	27.9	21.6	28.0	21.0	27.6		27.3		42.0
46.0		18.9	24.9	18.3	24.5	17.1	24.3		46.0
50.0		16.6		16.1	21.9	14.9	21.7	14.4	50.0
54.0		14.8		14.2	19.5	13.1	19.5	12.5	54.0
58.0				12.6		11.5	17.5	11.0	58.0
62.0				11.3		10.2		9.6	62.0
66.0						9.1		8.5	66.0
70.0								7.5	70.0
Reeves		5		5		4		4	Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## Working Ranges



## Boom Arrangement

Boom length	Boom arrangement
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top, Base-C-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top
78 m	Base-A-A-C-C-C-C-B-Top

Base (lower boom) = 9.0 m, Top (standard boom top) = 1.2 m  
 Inserts: A = 6.0 m, B (tapered boom) = 7.8 m, C = 12.0 m

## Jib Arrangement

Jib length	Jib arrangement
24 m	Base-E-Jib tip
30 m	Base-E-E-Jib tip, Base-F-Jib tip
36 m	Base-E-F-Jib tip
42 m	Base-E-E-F-Jib tip, Base-F-F-Jib tip
48 m	Base-E-F-F-Jib tip
54 m	Base-E-E-F-F-Jib tip, Base-F-F-F-Jib tip
60 m	Base-E-F-F-F-Jib tip
66 m	Base-E-E-F-F-F-Jib tip

Base (lower jib) = 9.0 m, Jib tip (light-duty tip) = 9.0 m  
 Inserts (jib): E (insert jib) = 6.0 m, F (insert jib) = 12.0 m

## HL Luffing Boom and Jib Combinations

Boom Length	24 m jib	30 m jib	36 m jib	42 m jib	48 m jib	54 m jib	60m jib	66 m jib
30 m	○	○	○	○	○	○	○	○
36 m	×	○	○	○	○	○	○	○
42 m	×	○	○	○	○	○	○	○
48 m	×	○	○	○	○	○	○	○
54 m	×	○	○	○	○	○	○	○
60 m	×	×	○	○	○	○	○	○
66 m	×	×	○	○	○	○	○	○
72 m	×	×	○	○	○	○	○	○
78 m	×	×	○	○	○	○	×	×

○ : HL Luffing Jib Combinations Which is Allowed.  
 × : HL Luffing Jib Combinations Which is None.

## HL Mast Arrangement

Mast length	Mast arrangement
30 m	Base-C-Tip

Base (lower mast) = 9.0 m, Tip (upper mast) = 9.0 m  
 Inserts: C = 12.0 m

# HL Luffing Jib Lifting Capacity

# CKE4000C

## (1) HL luffing jib rated loads in metric tons for 360° working area : 30 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	30.0 m Boom												Operating radius (m)
	24.0 m Jib			30.0 m Jib			36.0 m Jib			42.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
14.0	113.5												14.0
16.0	113.5			113.5									16.0
18.0	111.2			107.8			104.8						18.0
20.0	101.9			99.7			96.8			93.8			20.0
22.0	93.4			90.7			88.8			87.4			22.0
24.0	85.4	80.3		83.3			81.0			79.4			24.0
26.0	75.9	72.4		76.6	71.9		74.5			72.7			26.0
28.0	67.5	65.8		69.4	65.3		68.9			66.9			28.0
30.0		60.2		62.5	59.8		62.9	59.1		62.0			30.0
34.0		51.3	47.6	51.5	51.0		52.1	50.3		52.2	49.8		34.0
38.0			41.3		44.3	40.8	44.1	43.6		44.0	43.2		38.0
42.0						35.9		38.4	35.1	37.7	38.0		42.0
46.0								34.2	31.3	32.9	33.8	30.7	46.0
50.0									28.1		30.4	27.6	50.0
54.0												24.9	54.0
Reeves	9			9			9			8			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	30.0 m Boom												Operating radius (m)
	48.0 m Jib			54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
22.0	82.6												22.0
24.0	77.9			71.3									24.0
26.0	71.0			67.7			61.4						26.0
28.0	65.1			63.6			58.4			53.0			28.0
30.0	60.0			58.4			55.6			50.5			30.0
34.0	51.6	49.3		49.8			48.0			45.8			34.0
38.0	44.0	42.7		43.2	42.0		41.2			39.4			38.0
42.0	37.7	37.5		37.5	37.0		35.7	36.5		33.8	35.2		42.0
46.0	32.7	33.3	30.1	32.5	32.8		31.2	32.4		29.2	31.7		46.0
50.0	28.6	29.8	27.0	28.4	29.4	26.5	27.6	28.9		25.4	28.3		50.0
54.0		27.0	24.3	25.0	26.5	23.8	24.4	26.0	23.3	22.2	25.4		54.0
58.0			22.1	22.6	24.1	21.6	21.6	23.6	21.0	19.6	23.0	20.3	58.0
62.0			20.2		22.0	19.7	19.2	21.5	19.1	17.3	20.9	18.5	62.0
66.0					18.0			19.7	17.5	15.4	19.1	16.8	66.0
70.0									16.0	14.0	17.5	15.4	70.0
74.0									14.8		16.2	14.1	74.0
78.0												13.0	78.0
Reeves	7			6			5			4			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

# HL Luffing Jib Lifting Capacity

# CKE4000C

## (2) HL luffing jib rated loads in metric tons for 360° working area : 42 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	42.0 m Boom												Operating radius (m)
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
18.0	113.5												18.0
20.0	106.9			99.4			98.3						20.0
22.0	94.7			94.3			92.4			84.1			22.0
24.0	84.4			83.9			83.3			79.5			24.0
26.0	75.9			75.5			74.9			74.5			26.0
28.0	68.9			68.5			67.9			67.5			28.0
30.0	63.0	57.0		62.6			62.0			61.7			30.0
34.0	53.2	48.6		53.3	47.8		52.6	47.3		52.3			34.0
38.0		42.1		45.2	41.4		45.1	40.9		45.2	40.4		38.0
42.0		37.1	32.6		36.4		38.5	35.9		38.5	35.4		42.0
46.0			29.0		32.4	28.2	33.2	31.9		33.3	31.4		46.0
50.0			26.1			25.2		28.6	24.7	29.0	28.1		50.0
54.0						22.8		25.9	22.2		25.3	21.6	54.0
58.0									20.2		23.0	19.6	58.0
62.0									18.5			17.8	62.0
66.0												16.3	66.0
70.0													70.0
Reeves	9			8			8			7			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	42.0 m Boom									Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	
24.0	71.0									24.0
26.0	68.8			62.3						26.0
28.0	65.2			59.2			53.7			28.0
30.0	61.2			56.3			51.1			30.0
34.0	51.9			51.0			46.3			34.0
38.0	44.8			44.5			42.1			38.0
42.0	38.4	35.0		38.3			38.1			42.0
46.0	33.1	30.9		33.0	30.5		32.8	29.1		46.0
50.0	28.8	27.6		28.7	27.2		28.3	26.5		50.0
54.0	25.3	24.9		25.1	24.4		24.6	23.8		54.0
58.0	22.4	22.5	19.0	22.2	22.1	18.5	21.5	21.4		58.0
62.0		20.6	17.3	19.7	20.1	16.7	18.9	19.4	16.0	62.0
66.0		18.9	15.8		18.3	15.2	16.6	17.7	14.5	66.0
70.0			14.5		16.8	13.9	14.4	16.2	13.2	70.0
74.0						12.7		14.9	12.0	74.0
78.0						11.7		13.8	10.9	78.0
82.0									10.0	82.0
Reeves	6			5			5			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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



# HL Luffing Jib Lifting Capacity

# CKE4000C

## (3) HL luffing jib rated loads in metric tons for 360° working area : 54 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	54.0 m Boom												Operating radius (m)	
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib				
	Boom angle			Boom angle			Boom angle			Boom angle				
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°		
18.0	85.2												18.0	
20.0	85.2			85.2									20.0	
22.0	85.2			85.2			71.0						22.0	
24.0	83.5			83.1			71.0			71.0			24.0	
26.0	75.2			74.7			71.0			71.0			26.0	
28.0	68.2			67.7			67.3			67.0			28.0	
30.0	62.3			61.9			61.5			61.2			30.0	
34.0	53.0	46.1		52.6			52.2			51.9			34.0	
38.0		39.9		45.5	39.1		45.1	38.6		44.8			38.0	
42.0		35.0		39.5	34.3		39.6	33.8		39.3	33.3		42.0	
46.0		31.2	25.9		30.4		34.1	30.0		34.3	29.4		46.0	
50.0			23.2			27.3	22.3		26.8	29.8	26.3		50.0	
54.0			20.9				20.0		24.2	19.5	25.8	23.6	54.0	
58.0						18.2			22.0	17.6		21.4	16.9	58.0
62.0										16.0		19.5	15.3	62.0
66.0										14.7			14.0	66.0
70.0													12.8	70.0
Reeves		7			7			6			6		Reeves	

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	54.0 m Boom									Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	
26.0	69.9			56.8						26.0
28.0	66.3			56.8			53.3			28.0
30.0	60.5			56.8			51.7			30.0
34.0	51.2			50.9			46.9			34.0
38.0	44.2			43.9			42.6			38.0
42.0	38.6			38.3			38.0			42.0
46.0	33.8	29.0		33.7	27.9		33.5			46.0
50.0	29.3	25.8		29.2	25.1		29.0	24.7		50.0
54.0	25.7	23.2		25.6	22.4		25.1	22.0		54.0
58.0	22.6	21.0		22.5	20.2		21.9	19.8		58.0
62.0		19.1	14.8	19.9	18.3		19.2	17.9		62.0
66.0		17.4	13.4		16.7	12.3	16.8	16.3		66.0
70.0			12.1		15.3	11.1	14.7	14.8	10.5	70.0
74.0			11.0		14.1	10.0		13.6	9.4	74.0
78.0			10.1			9.0		12.5	8.4	78.0
82.0						8.2			7.6	82.0
86.0									6.8	86.0
90.0									6.2	90.0
Reeves		6			5			5		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

# HL Luffing Jib Lifting Capacity

# CKE4000C

## (4) HL luffing jib rated loads in metric tons for 360° working area : 66 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	66.0 m Boom												Operating radius (m)
	36.0 m Jib			42.0 m Jib			48.0 m Jib			54.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
20.0	71.0												20.0
22.0	71.0			71.0									22.0
24.0	71.0			71.0			56.8						24.0
26.0	71.0			71.0			56.8			56.8			26.0
28.0	66.9			66.5			56.8			56.8			28.0
30.0	61.1			60.7			56.8			56.8			30.0
34.0	51.8			51.4			51.2			50.8			34.0
38.0	44.8	36.4		44.4			44.2			43.8			38.0
42.0	39.3	31.8		38.9	31.3		38.7			38.3			42.0
46.0		28.2		34.5	27.7		34.2	27.1		33.9	26.4		46.0
50.0		25.2			24.7		30.4	24.2		30.2	23.7		50.0
54.0		22.7	16.8		22.2		26.9	21.7		26.5	21.2		54.0
58.0			15.0		20.1	14.3		19.6		23.3	19.1		58.0
62.0			13.5			12.8		17.8	12.0		17.4		62.0
66.0			12.3			11.5		16.3	10.7		15.8	10.1	66.0
70.0						10.5			9.6		14.5	9.0	70.0
74.0									8.7			8.0	74.0
78.0												7.2	78.0
Reeves		6			6			5			5		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	66.0 m Boom					Operating radius (m)
	60.0 m Jib			66.0 m Jib		
	Boom angle			Boom angle		
	86°	76°	66°	86°	76°	
28.0	51.0					28.0
30.0	50.3			42.6		30.0
34.0	48.7			42.6		34.0
38.0	43.5			42.6		38.0
42.0	38.0			37.4		42.0
46.0	33.6			32.9		46.0
50.0	30.0	23.3		29.3		50.0
54.0	26.5	20.8		25.7	20.1	54.0
58.0	23.3	18.7		22.3	18.0	58.0
62.0	20.6	16.9		19.5	16.2	62.0
66.0	18.6	15.3		16.3	14.6	66.0
70.0		14.0	8.3	12.7	13.3	70.0
74.0		12.8	7.3		12.1	74.0
78.0		11.8	6.5		10.9	78.0
82.0			5.7		10.0	82.0
Reeves		4			4	Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (5) HL luffing jib rated loads in metric tons for 360° working area: 72 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Operating radius (m)	72.0 m Boom												Operating radius (m)
	36.0 m Jib			42.0 m Jib			48.0 m Jib			54.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
22.0	71.0			69.0									22.0
24.0	71.0			67.3			56.8						24.0
26.0	66.7			65.6			56.8			53.0			26.0
28.0	62.0			61.7			56.8			52.0			28.0
30.0	57.8			57.6			56.8			51.0			30.0
34.0	50.6			50.4			50.1			48.9			34.0
38.0	44.6			44.3			44.1			43.4			38.0
42.0	39.4	31.1		38.9	30.3		38.6			38.0			42.0
46.0		27.5		34.4	26.8		34.2	26.2		33.5			46.0
50.0		24.6			23.9		30.6	23.4		29.9	22.6		50.0
54.0		22.2			21.5		27.2	20.9		26.7	20.2		54.0
58.0			13.7		19.4			18.9		23.5	18.2		58.0
62.0			12.3		17.7	11.3		17.2			16.4		62.0
66.0			11.1			10.1		15.7	9.3		14.9		66.0
70.0						9.1			8.3		13.7	7.4	70.0
74.0						8.3			7.4			6.5	74.0
78.0									6.7				78.0
Reeves	6			6			5			4			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (6) HL luffing jib rated loads in metric tons for 360° working area: 78 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t)

Unit: metric ton

Unit: metric ton

Operating radius (m)	72.0 m Boom			
	60.0 m Jib		66.0 m Jib	
	Boom angle		Boom angle	
	86°	76°	86°	76°
28.0	42.6			
30.0	42.6		41.1	
34.0	42.6		39.8	
38.0	42.6		38.5	
42.0	37.7		37.0	
46.0	33.3		32.6	
50.0	29.7	21.4	29.0	
54.0	26.6	19.7	25.9	19.0
58.0	23.5	17.7	22.6	17.0
62.0	20.7	16.0	18.5	15.3
66.0	18.8	14.5	14.7	13.7
70.0		13.2		12.3
74.0		12.0		11.1
78.0		10.9		10.0
82.0				9.1
Reeves	4		4	

※ Designed and rated to comply with ANSI Code B30.5.

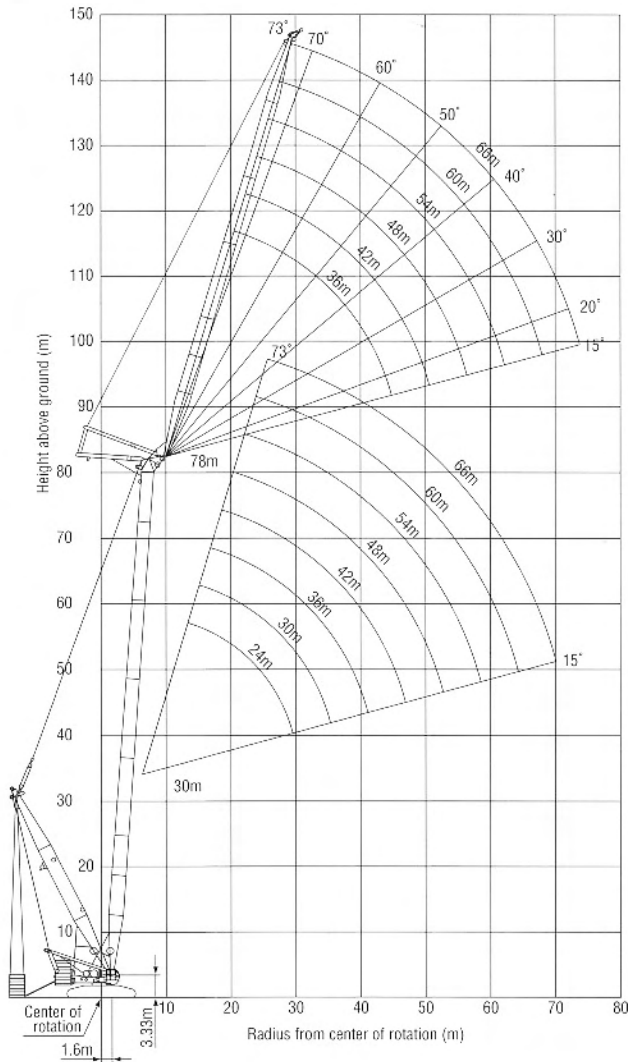
Ratings shown in   are determined by the strength of the boom or other structural components.

Operating radius (m)	78.0 m Boom								
	36.0 m Jib		42.0 m Jib		48.0 m Jib		54.0 m Jib		
	Boom angle		Boom angle		Boom angle		Boom angle		
	86°	76°	86°	76°	86°	76°	86°	76°	
22.0	56.8								
24.0	56.8		56.8						
26.0	54.3		53.8			53.3		42.6	
28.0	50.4		50.0			49.4		42.6	
30.0	46.8		46.5			46.0		42.6	
34.0	40.9		40.7			40.2		39.8	
38.0	35.9		35.9			35.5		35.1	
42.0	31.7	29.8	31.9			31.5		31.1	
46.0		26.4	28.4	25.4		28.2	23.2	27.8	
50.0		23.6		22.8		25.3	22.6	25.0	21.4
54.0		21.3		20.5		22.6	20.2	22.5	19.2
58.0				18.5			18.2	20.2	17.3
62.0							16.6		15.5
66.0							15.1		14.1
70.0									13.0
Reeves	5		5		5		4		

※ Designed and rated to comply with ANSI Code B30.5.

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

## Working Ranges



## Boom Arrangement

Boom length	Boom arrangement
30 m	Base-A-A-B-Top, Base-C-B-Top
36 m	Base-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-C-C-C-B-Top
66 m	Base-A-A-C-C-C-B-Top, Base-C-C-C-C-B-Top
72 m	Base-A-C-C-C-C-B-Top
78 m	Base-A-A-C-C-C-C-B-Top
84 m	Base-A-C-C-C-C-C-B-Top

Base (lower boom) = 9.0 m, Top (standard boom top) = 1.2 m  
 Inserts: A = 6.0 m, B (tapered boom) = 7.8 m, C = 12.0 m

## Jib Arrangement

Jib length	Jib arrangement
24 m	Base-E-Jib tip
30 m	Base-E-E-Jib tip, Base-F-Jib tip
36 m	Base-E-F-Jib tip
42 m	Base-E-E-F-Jib tip, Base-F-F-Jib tip
48 m	Base-E-F-F-Jib tip
54 m	Base-E-E-F-F-Jib tip, Base-F-F-F-Jib tip
60 m	Base-E-F-F-F-Jib tip
66 m	Base-E-E-F-F-F-Jib tip

Base (lower jib) = 9.0 m, Jib tip (light-duty tip) = 9.0 m  
 Inserts (jib): E (insert jib) = 6.0 m, F (insert jib) = 12.0 m

## SHL Luffing Boom and Jib Combinations

Boom Length	24 m jib	30 m jib	36 m jib	42 m jib	48 m jib	54 m jib	60m jib	66 m jib
30 m	○	○	○	○	○	○	○	○
36 m	×	○	○	○	○	○	○	○
42 m	×	○	○	○	○	○	○	○
48 m	×	○	○	○	○	○	○	○
54 m	×	○	○	○	○	○	○	○
60 m	×	×	○	○	○	○	○	○
66 m	×	×	○	○	○	○	○	○
72 m	×	×	○	○	○	○	○	○
78 m	×	×	○	○	○	○	○	○
84 m	×	×	○	○	○	○	×	×

○ : SHL Luffing Jib Combinations Which is Allowed.  
 × : SHL Luffing Jib Combinations Which is None.

## HL Mast Arrangement

Mast length	Mast arrangement
30 m	Base-C-Tip

Base (lower mast) = 9.0 m, Tip (upper mast) = 9.0 m  
 Inserts: C = 12.0 m

# SHL Luffing Jib Lifting Capacity

# CKE4000C

## (1) SHL luffing jib rated loads in metric tons for 360° working area : 30 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)

Unit: metric ton

Operating radius (m)	30.0 m Boom												Operating radius (m)
	24.0 m Jib			30.0 m Jib			36.0 m Jib			42.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
14.0	113.5												14.0
16.0	113.5			113.5									16.0
18.0	111.2			107.8			104.8						18.0
20.0	101.9			99.7			96.8			93.8			20.0
22.0	93.4			90.7			88.8			87.4			22.0
24.0	86.5	90.5		83.3			81.0			79.4			24.0
26.0	80.2	82.2		77.0	81.4		74.5			72.7			26.0
28.0	73.4	75.2		71.8	74.4		68.9			66.9			28.0
30.0		69.3		67.1	68.5		64.1	67.4		62.0			30.0
34.0		59.5	58.6	57.8	58.9		56.5	57.9		53.9	57.3		34.0
38.0			51.2		51.5	50.4	49.8	50.6		47.7	49.9		38.0
42.0						44.7		44.7	43.5	42.9	44.1		42.0
46.0								40.0	38.9	33.0	39.4	38.2	46.0
50.0									35.1		35.5	34.3	50.0
54.0												31.2	54.0
Reeves		9			9			9			8		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	30.0 m Boom												Operating radius (m)
	48.0 m Jib			54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
22.0	82.6												22.0
24.0	77.9			71.3									24.0
26.0	71.0			67.7			61.4						26.0
28.0	65.1			63.6			58.4			53.0			28.0
30.0	60.0			58.4			55.6			50.5			30.0
34.0	51.6	56.6		49.8			48.0			45.8			34.0
38.0	45.1	49.2		43.2	48.7		41.2			39.4			38.0
42.0	40.0	43.4		37.8	42.8		35.7	42.2		33.8	41.3		42.0
46.0	36.0	38.6	37.3	33.5	38.0		31.2	37.4		29.2	36.5		46.0
50.0	32.9	34.7	33.5	30.0	34.1	32.8	27.6	33.4		25.4	32.5		50.0
54.0		31.4	30.3	27.3	30.8	29.6	24.5	30.1	28.9	22.2	29.2		54.0
58.0			27.6	22.6	28.0	26.8	22.1	27.3	26.1	19.6	26.3	25.1	58.0
62.0			25.3		25.6	24.5	20.2	24.7	23.7	17.4	23.2	22.8	62.0
66.0						22.5		21.9	21.7	15.7	20.5	20.7	66.0
70.0									19.9	14.6	18.2	19.0	70.0
74.0									18.4		16.2	17.4	74.0
78.0												16.0	78.0
Reeves		7			6			5			4		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

# SHL Luffing Jib Lifting Capacity

# CKE4000C

## (2) SHL luffing jib rated loads in metric tons for 360° working area : 42 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)

Unit: metric ton

Operating radius (m)	42.0 m Boom												Operating radius (m)
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
18.0	113.5												18.0
20.0	106.9			99.4			98.3						20.0
22.0	95.9			94.9			92.4			84.1			22.0
24.0	86.3			85.3			84.9			79.5			24.0
26.0	78.3			77.4			76.9			75.2			26.0
28.0	71.6			70.7			70.2			69.7			28.0
30.0	65.8	65.2		64.9			64.5			64.0			30.0
34.0	56.5	56.0		55.7	54.8		55.2	54.2		54.7			34.0
38.0		48.9		48.6	47.8		48.1	47.1		47.5	46.4		38.0
42.0		43.2	40.6		42.2		42.4	41.5		41.8	40.8		42.0
46.0			36.2		37.6	35.0	37.9	37.0		37.2	36.2		46.0
50.0			32.7			31.5		33.2	30.7	33.4	32.4		50.0
54.0						28.6		30.1	27.7		29.3	26.8	54.0
58.0									25.3		26.6	24.3	58.0
62.0									23.2			22.2	62.0
66.0												20.4	66.0
Reeves		9			8			8			7		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	42.0 m Boom									Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	
24.0	71.0									24.0
26.0	68.8			62.3						26.0
28.0	65.2			59.2			53.7			28.0
30.0	62.0			56.3			51.1			30.0
34.0	54.3			51.0			46.3			34.0
38.0	47.1			46.4			42.1			38.0
42.0	41.4	40.2		40.8			38.4			42.0
46.0	36.7	35.6		35.3	35.0		33.3	34.0		46.0
50.0	32.7	31.8		30.8	31.2		29.0	30.3		50.0
54.0	28.7	28.7		27.0	28.0		25.4	27.1		54.0
58.0	22.8	26.0	23.6	23.8	25.3	22.9	22.3	24.4		58.0
62.0		23.7	21.5	21.1	23.0	20.7	19.7	22.1	19.7	62.0
66.0		21.7	19.6		21.0	18.8	17.5	20.0	17.8	66.0
70.0			18.0		19.2	17.2	15.3	18.3	16.2	70.0
74.0						15.7		16.8	14.7	74.0
78.0						14.5		15.0	13.5	78.0
82.0									12.4	82.0
Reeves		6			5			5		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

### (3) SHL luffing jib rated loads in metric tons for 360° working area : 54 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)

Unit: metric ton

Operating radius (m)	54.0 m Boom												Operating radius (m)
	30.0 m Jib			36.0 m Jib			42.0 m Jib			48.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
18.0	85.2												18.0
20.0	85.2			85.2									20.0
22.0	85.2			85.2			71.0						22.0
24.0	84.6			83.6			71.0			71.0			24.0
26.0	76.7			75.8			71.0			71.0			26.0
28.0	70.1			69.2			68.8			68.3			28.0
30.0	64.4			63.5			63.1			62.6			30.0
34.0	55.3	52.6		54.4			54.0			53.4			34.0
38.0		45.8		47.4	44.7		46.9	44.0		46.4			38.0
42.0		40.5		39.5	39.3		41.3	38.7		40.7	37.9		42.0
46.0		36.1	32.1		35.0		36.8	34.3		36.2	33.6		46.0
50.0			28.8		31.5	27.5		30.8		32.4	30.0		50.0
54.0			26.1			24.8		27.8	24.0	26.2	27.0		54.0
58.0						22.6		25.3	21.7		24.5	20.8	58.0
62.0									19.8		22.3	18.9	62.0
66.0									18.2			17.2	66.0
70.0												15.8	70.0
Reeves		7			7			6			6		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	54.0 m Boom									Operating radius (m)
	54.0 m Jib			60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	
26.0	69.9			56.8						26.0
28.0	66.3			56.8			53.3			28.0
30.0	62.3			56.8			51.7			30.0
34.0	53.1			51.7			46.9			34.0
38.0	46.0			45.0			42.6			38.0
42.0	40.3			39.4			38.7			42.0
46.0	35.7	33.0		34.8	31.8		34.1			46.0
50.0	31.9	29.4		31.0	28.3		29.6	27.8		50.0
54.0	28.8	26.4		27.4	25.3		25.9	24.8		54.0
58.0	25.7	23.8		24.1	22.7		22.7	22.2		58.0
62.0		21.7	18.1	21.2	20.6		20.0	20.0		62.0
66.0		19.8	16.4		18.7	15.3	17.7	18.1		66.0
70.0			15.0		17.1	13.8	15.6	16.4	13.1	70.0
74.0			13.7		15.7	12.5		15.0	11.8	74.0
78.0			12.6			11.4		13.7	10.7	78.0
82.0						10.4			9.7	82.0
86.0									8.8	86.0
90.0									8.1	90.0
Reeves		6			5			5		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

**(4) SHL luffing jib rated loads in metric tons for 360° working area : 66 m Boom  
(Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)**

Unit: metric ton

Operating radius (m)	66.0 m Boom												Operating radius (m)
	36.0 m Jib			42.0 m Jib			48.0 m Jib			54.0 m Jib			
	Boom angle			Boom angle			Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	
20.0	71.0												20.0
22.0	71.0			71.0									22.0
24.0	71.0			71.0			56.8						24.0
26.0	71.0			71.0			56.8			56.8			26.0
28.0	67.4			67.0			56.8			56.8			28.0
30.0	61.9			61.5			56.8			56.8			30.0
34.0	52.9			52.5			52.0			51.7			34.0
38.0	46.0	40.9		45.6			45.0			44.7			38.0
42.0	40.5	35.9		40.1	35.2		39.5			39.1			42.0
46.0		31.8		35.6	31.2		35.0	30.4		34.6	29.8		46.0
50.0		28.5			27.8		31.3	27.1		30.9	26.5		50.0
54.0		25.8	20.4		25.0		26.6	24.3		27.8	23.7		54.0
58.0			18.4		22.7	17.6		21.9		25.1	21.3		58.0
62.0			16.7			15.9		19.9	14.9		19.2		62.0
66.0			15.3			14.4		18.2	13.5		17.5	12.7	66.0
70.0						13.2			12.2		16.0	11.5	70.0
74.0									11.1			10.3	74.0
78.0												9.4	78.0
82.0												8.5	82.0
Reeves	6			6			5			5			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

Unit: metric ton

Operating radius (m)	66.0 m Boom						Operating radius (m)
	60.0 m Jib			66.0 m Jib			
	Boom angle			Boom angle			
	86°	76°	66°	86°	76°	66°	
28.0	51.0						28.0
30.0	50.3			42.6			30.0
34.0	48.7			42.6			34.0
38.0	44.3			42.6			38.0
42.0	38.7			37.9			42.0
46.0	34.2			33.3			46.0
50.0	30.4	25.8		29.6			50.0
54.0	27.3	23.0		26.4	22.0		54.0
58.0	24.6	20.6		23.1	19.6		58.0
62.0	21.8	18.6		20.3	17.6		62.0
66.0	17.9	16.8		18.0	15.8		66.0
70.0		15.2	10.7	15.9	14.3		70.0
74.0		13.9	9.5		12.9	8.5	74.0
78.0		12.7	8.5		11.7	7.5	78.0
82.0			7.7		10.7		82.0
86.0			6.9				86.0
Reeves	4			4			Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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



## (5) SHL luffing jib rated loads in metric tons for 360° working area : 78 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)

Unit: metric ton

Operating radius (m)	78.0 m Boom											Operating radius (m)
	36.0 m Jib			42.0 m Jib			48.0 m Jib			54.0 m Jib		
	Boom angle			Boom angle			Boom angle			Boom angle		
	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	
22.0	56.8											22.0
24.0	56.8			56.8								24.0
26.0	54.3			53.8			53.3			42.6		26.0
28.0	50.4			50.0			49.4			42.6		28.0
30.0	46.8			46.5			46.0			42.6		30.0
34.0	40.9			40.7			40.2			39.8		34.0
38.0	35.9			35.9			35.5			35.1		38.0
42.0	31.7	33.6		31.9			31.5			31.1		42.0
46.0		29.8		28.4	29.2		28.2	28.0		27.8		46.0
50.0		26.6		25.3	26.1		25.3	24.9		25.0	23.8	50.0
54.0		24.0			23.4		22.6	22.3		22.5	21.2	54.0
58.0		21.7			21.2			20.0		20.2	19.0	58.0
62.0			13.6		19.2	12.9		18.1			17.1	62.0
66.0			12.3			11.6		16.5	10.4		15.5	66.0
70.0			11.2			10.5			9.3		14.0	70.0
74.0						9.5			8.3		12.8	74.0
78.0									7.4			78.0
82.0									6.7			82.0
Reeves	5			5			5			4		Reeves

※ Designed and rated to comply with ANSI Code B30.5.

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

## (6) SHL luffing jib rated loads in metric tons for 360° working area: 84 m Boom (Counterweight 120 t + 35 t, Carbody weight 41 t, Palette weight: 90 t)

Unit: metric ton

Unit: metric ton

Operating radius (m)	78.0 m Boom			
	60.0 m Jib		66.0 m Jib	
	Boom angle		Boom angle	
	86°	76°	86°	76°
28.0	42.4			
30.0	41.7		37.2	
34.0	39.2		36.0	
38.0	34.6		34.1	
42.0	30.7		30.2	
46.0	27.5		27.0	
50.0	24.7		24.2	
54.0	22.3	20.6	21.8	19.6
58.0	20.1	18.4	19.7	17.4
62.0	18.2	16.5	17.8	15.5
66.0	16.4	14.8	16.1	13.9
70.0		13.4		12.4
74.0		12.1		11.2
78.0		11.0		10.0
82.0				9.0
82.0				8.2
Reeves	4		3	

※ Designed and rated to comply with ANSI Code B30.5.

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

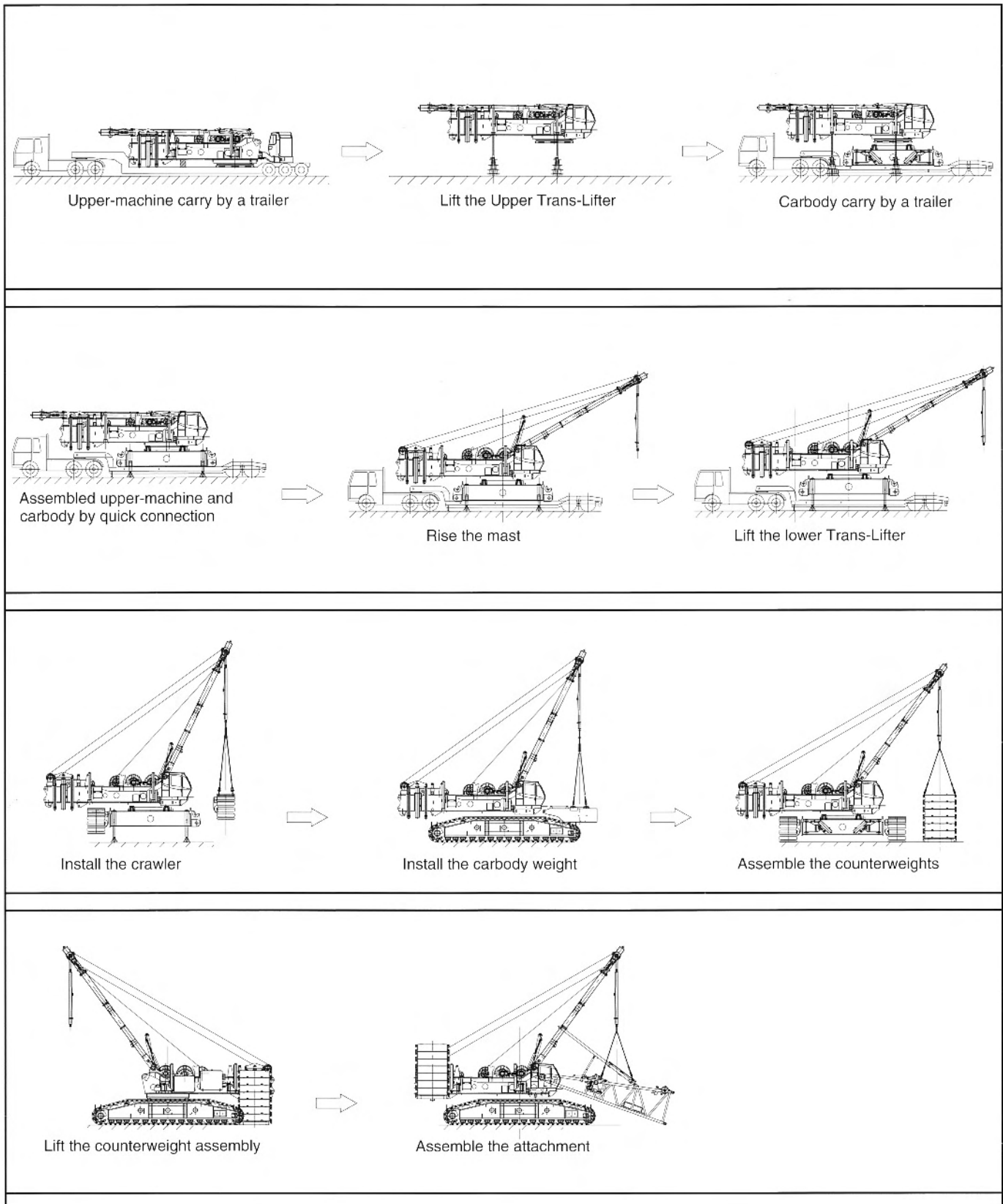
Operating radius (m)	84.0 m Boom							
	36.0 m Jib		42.0 m Jib		48.0 m Jib		54.0 m Jib	
	Boom angle		Boom angle		Boom angle		Boom angle	
	86°	76°	86°	76°	86°	76°	86°	76°
22.0	55.8							
24.0	50.2		50.2					
26.0	45.6		45.2		44.0			
28.0	41.8		41.2		40.6		35.4	
30.0	38.7		38.2		37.7		34.4	
34.0	33.7		33.4		32.9		32.4	
38.0	29.6		29.3		28.9		28.5	
42.0	26.0	26.0	26.0		25.5		25.1	
46.0		22.8	23.1	22.3	22.8		22.4	
50.0		20.3		19.8	20.4	18.4	20.0	17.3
54.0		18.5		17.6	18.2	16.4	17.9	15.3
58.0		16.8		15.8		14.6	16.0	13.6
62.0				14.3		13.2		12.1
66.0						12.1		10.9
70.0								9.8
Reeves	5		4		4		3	

※ Designed and rated to comply with ANSI Code B30.5.

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

# Assembly & Transportation

## CKE4000C Standard Crane Self Assembly



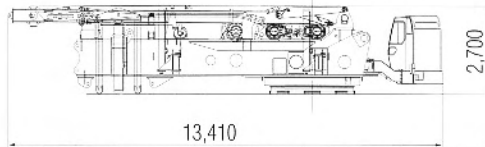
Note: Self-erection device is optional item.

## Weight and Measurement for Transportation

### Base Machine

#### Upper Frame

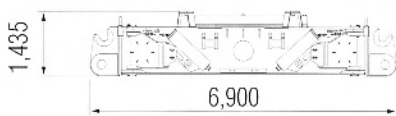
Weight: 60.0 ton x 1  
Dimension: 13,410 mm (L) X 2,700 mm (H) X 3,000 mm (W)



Includes front winch, rear winch, boom hoist winch, mast self-erection device, upper and lower removal device, upper Trans-lifter, and counterweight removal device.

#### Carbody

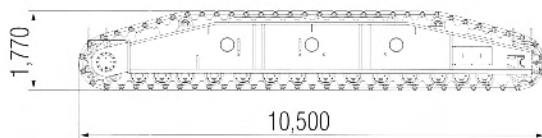
Weight: 26.2 ton x 1  
Dimension: 6,900 mm (L) X 1,435 mm (H) X 3,000 mm (W)



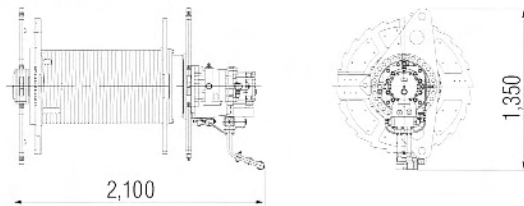
Includes upper and lower removal device and lower Trans-lifter.

#### Crawlers with Frame Connect Device

Weight: 36.2 ton x each side  
Dimension: 10,500 mm (L) X 1,770 mm (H) X 2,110 mm (W)  
Crawler width: 1,220 mm

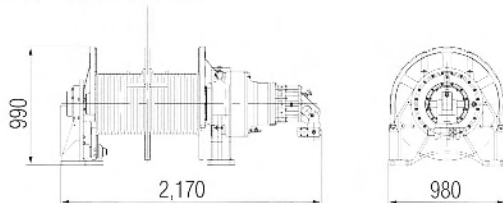


#### Hoist Winch Unit



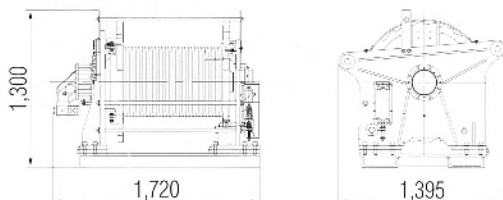
Weight: 2.08 ton x 2 (front and rear)

#### Boom hoist winch



Weight: 2.029 ton

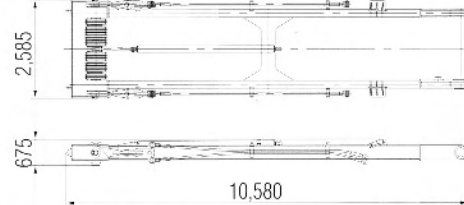
#### Jib hoist winch



Weight: 2.69 ton

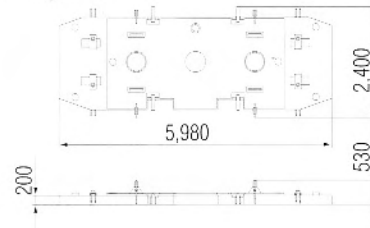
#### Mast

Weight: 6.29 ton



Include self-erection device and guy cable.

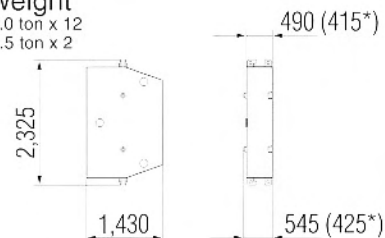
#### Counterweight Base



Weight: 20.0 ton

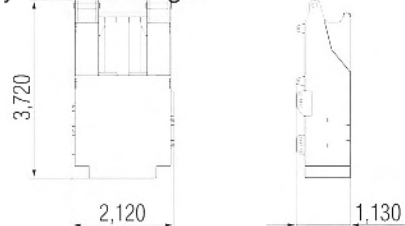
#### Counterweight

Weight: (A) 10.0 ton x 12  
(B) 7.5 ton x 2



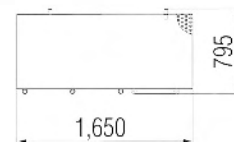
\*Figures: counterweight (B)

#### Carbody Counterweight



Weight: 20.0 ton x 2

#### Platform



Weight: 0.328 ton x 7

# Weight and Measurement for Transportation

## Attachment

Description	Width x Height x Length (mm)	Weight (metric ton)	Remarks
<b>Hook</b>			
350-ton/200-ton hook	1,325 x 3,120 x 970	6.05	
120-ton hook	960 x 2,270 x 800	3.5	
70-ton hook	760 x 2,125 x 900	3.1	
40-ton hook	700 x 1,810 x 900	2.0	
13.5-ton ball hook	400 dia. x 1,350	0.65	
<b>Boom, Jib, Aux. Sheave</b>			
Lower boom	3,000 x 3,220 x 9,785	11.4	Including cable reel, back stop, jib hoist winch
6 m insert boom	2,885 x 2,380 x 6,180	2.2	2 pieces
12 m insert boom	2,885 x 2,380 x 12,180	3.9	4 pieces
Standard boom top	2,555 x 2,800 x 4,530	5.89	Including aux. sheave
7.8 m tapered boom	2,860 x 2,555 x 7,980	3.3	Including hydraulic oil tank
6 m tapered boom	2,860 x 2,480 x 6,160	1.63	Light-duty boom only use.
Lower jib	2,515 x 1,990 x 9,220	2.8	
6 m insert jib	2,515 x 1,990 x 6,140	1.3	Compatible with upper boom of light-duty boom.
12 m insert jib	2,515 x 1,990 x 12,140	2.4	Compatible with upper boom of light-duty boom.
Jib tip (light-duty tip)	2,490 x 2,000 x 9,660	2.4	Compatible with upper boom of light-duty boom.
HL lower mast	2,600 x 2,745 x 9,340	11.01	Including back stop, SHL boom hoist winch
12 m HL insert mast	2,600 x 2,425 x 12,180	5.0	
HL upper mast	2,600 x 2,430 x 10,775	8.0	
<b>Jib backstop, sheave, etc.</b>			
Jib backstop	3,365	0.097	
Aux. sheave for jib	810 x 775 x 2,410	0.425	
Upper spreader for SHL	870 x 670 x 1,600	0.765	
Jib tip roller	1,435 x 1,445 x 1,610	0.705	
Hook sheave (upper)	755 x 1,355 x 2,560	1.37	
Hook sheave (lower)	740 x 1,245 x 1,305	0.82	
<b>Palette for SHL</b>			
Palette base	2,400 x 710 x 6,520	6.9	
Weight	550 x 2,330 x 1,430	10	24 pieces
Connecting beam	2,090 x 290 x 5,230	0.97	

NOTE: Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice.

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