

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⁻¹ {rpm}

Travel Speed 1.0/0.4 km/h

Power Plant

Model HINO K13C-UV

Engine Output 295 kW/2,000 min⁻¹ {rpm}

Fuel Tank Capacity 600 liters

Hydraulic System

Main Pumps 6 variable displacement pump

Max. Pressure 31.9 MPa {325 kgf/cm²}

Self-Erection Device Option

Weight

Operating Weight Approx. 346 t

Counterweight Std. 120 t (Upper) + 41 t (Lower)

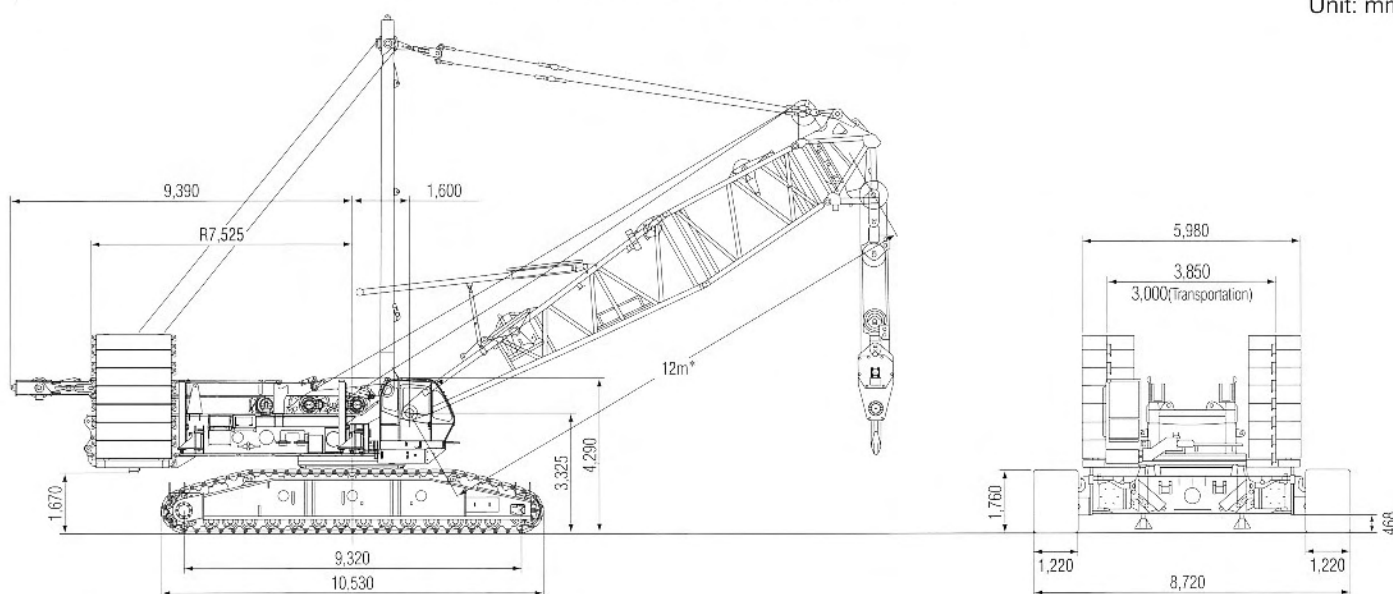
Transport Weight 60.0 t (Main machine)

Ground Pressure 150 kPa {1.52 kgf/cm²}

Units are SI units. { } indicates conventional units.

General Dimensions

Unit: mm



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

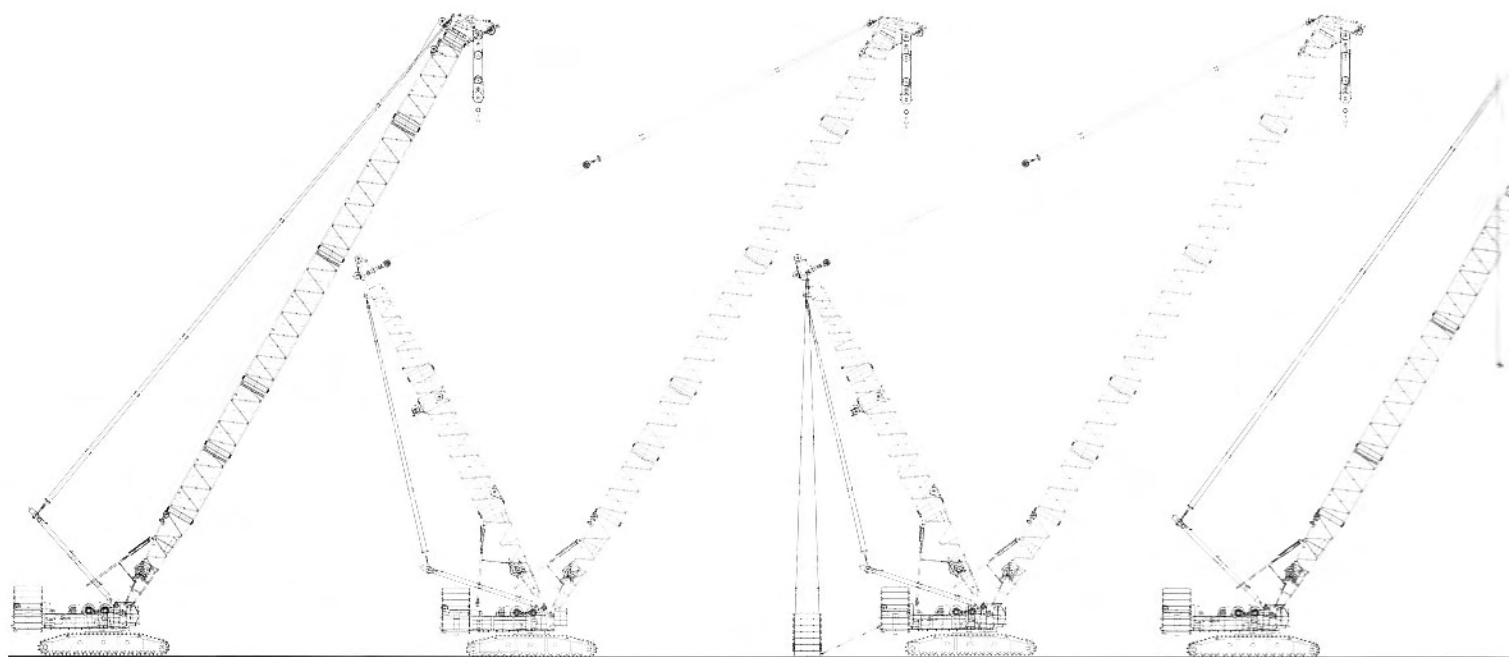
Configuration and Style of Attachment

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
Specifications								
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
Crane Boom/Main Boom for Luffing Jib								
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)
Luffing Jib								
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:

- Figure in () means the numbers of the maximum usable boom (or jib) respectively.
- 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)	Heavy-duty boom	Standard crane boom										Boom length (m)	Operating radius (m)
	12.0 *	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0		
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

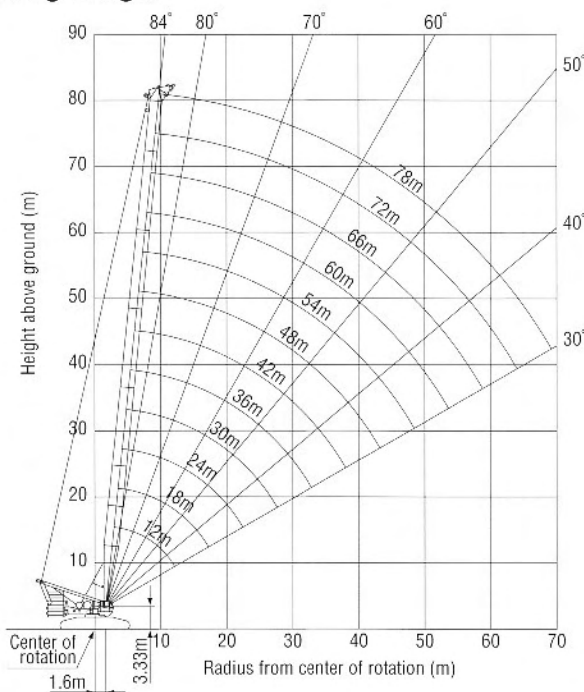
Note : Designed and rated to comply with ANSI Code B30.5.

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

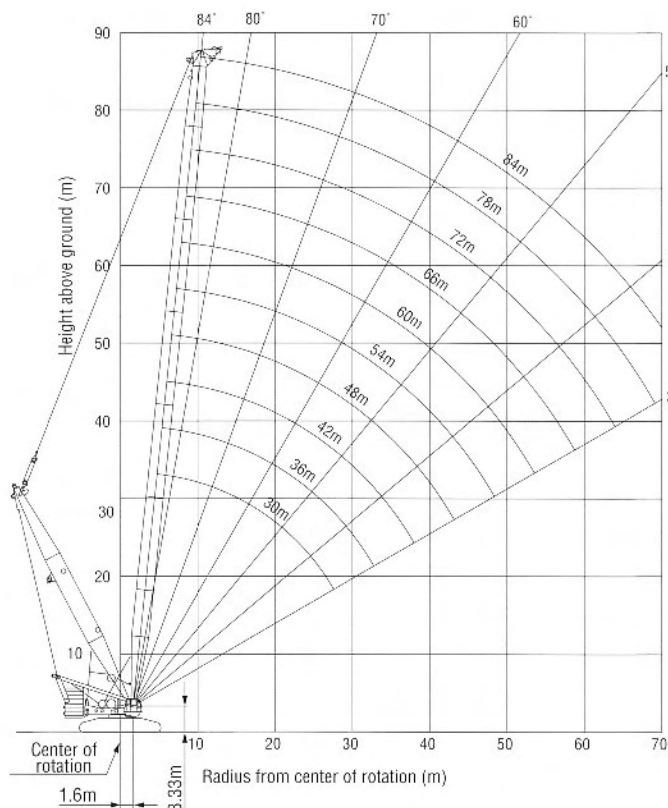
Boom length (m) Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom length (m) Operating radius (m)
6.0	6.1 m/350.0	6.8 m/350.0									6.0
7.0	350.0	350.0	7.4 m/350.0								7.0
8.0	315.5	315.0	311.4	308.0	8.6 m/280.0						8.0
9.0	252.4	269.6	269.1	269.1	268.8	9.3 m/249.5	9.7 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

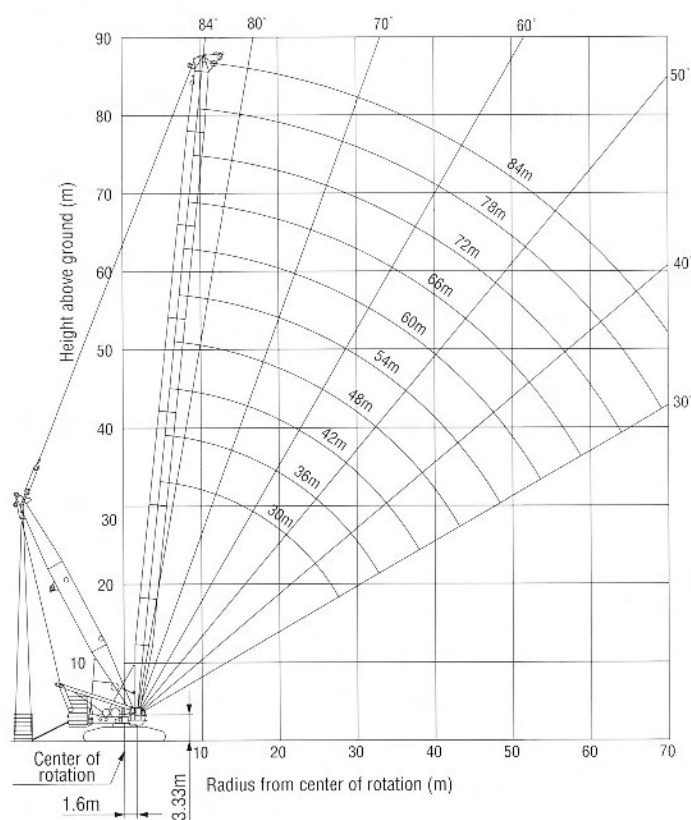
Boom length Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom length m (ft)	Operating radius (m)
6.0	6.1 m/350.0	6.8 m/350.0									6.0	6.0
7.0	350.0	350.0	7.4 m/350.0								7.0	7.0
8.0	350.0	350.0	350.0	308.0	8.6 m/280.0						8.0	8.0
9.0	350.0	350.0	350.0	308.0	280.0	9.3 m/249.5	9.7 m/224.0				9.0	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	10.0
12.0	350.0	350.0	349.2	308.0	280.0	249.5	224.0	196.0			12.0	12.0
14.0	336.0	332.5	331.7	308.0	280.0	249.5	224.0	196.0	190.7		14.0	14.0
16.0	293.0	293.0	293.0	293.0	280.0	249.5	224.0	196.0	190.3		16.0	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	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	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	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	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	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	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	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	34.0
38.0			96.3	109.8	109.0	108.3	107.7	107.2	106.4	105.1	38.0	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	42.0
46.0				43.9 m/87.4	81.9	85.3	84.6	84.0	83.1	81.8	46.0	46.0
50.0					49.1 m/80.1	76.9	76.1	75.4	74.5	73.1	50.0	50.0
54.0						70.4	69.0	68.3	67.3	65.9	54.0	54.0
58.0						54.3 m/69.9	63.1	62.2	61.3	60.0	58.0	58.0
62.0							59.5 m/61.4	57.1	56.1	54.7	62.0	62.0
66.0								64.7 m/54.3	51.6	50.2	66.0	66.0
70.0									69.8 m/48.0	46.4	70.0	70.0
74.0										42.9	74.0	74.0
78.0										42.0	78.0	78.0
reeves	32	32	32	28	24	20	20	16	16	16	reeves	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

Light-duty Crane Lifting Capacity

CKE4000C

Light-duty boom

(Counterweight 120 tons + Carbodyweight 41 tons)

Unit: metric tons

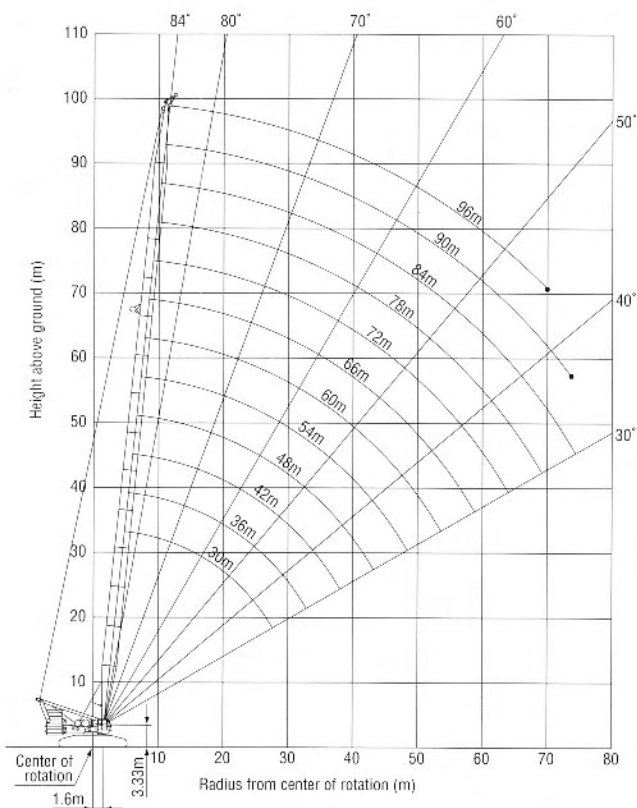
Boom length (m) Operating radius (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0	Boom length (m) Operating radius (m)
5.0	5.3 m/113.5												5.0
6.0	113.5	113.5	6.6 m/113.5										6.0
7.0	113.5	113.5	113.5	7.2 m/113.5	7.8 m/113.5								7.0
8.0	113.5	113.5	113.5	113.5	113.5	8.5 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

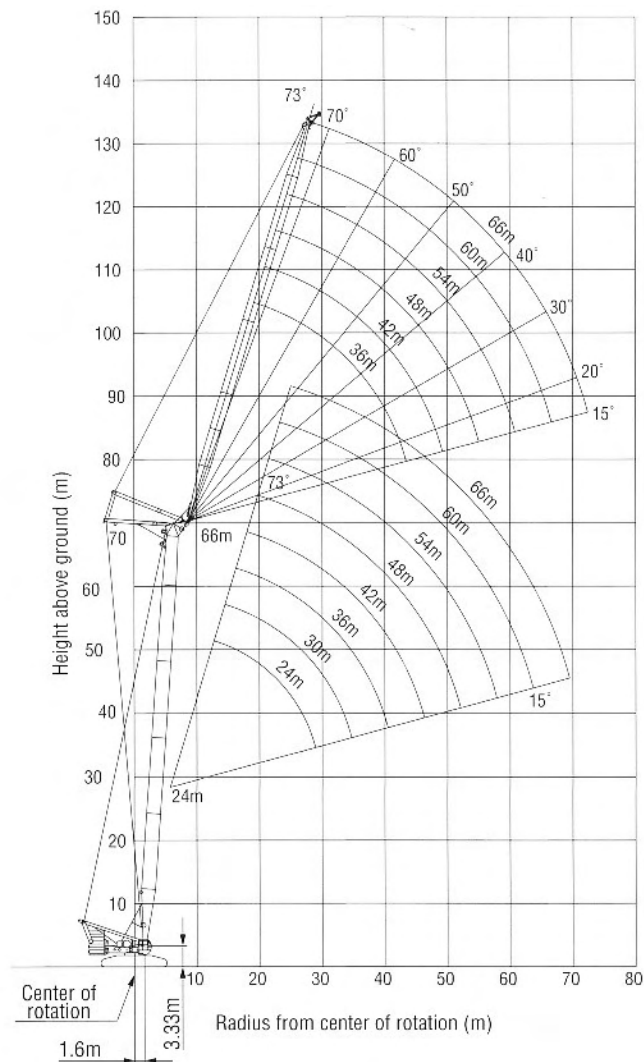


Boom Arrangement

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-A-C-B-Top
42 m	Base-A-A-C-B-Top, Base-C-C-B-Top
48 m	Base-A-A-C-C-B-Top
54 m	Base-A-A-C-C-B-Top, Base-C-C-C-B-Top
60 m	Base-A-A-C-C-C-B-Top
66 m	Base-A-A-A-C-C-C-B-Top
72 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

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 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

Unit: Metric (m)

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)

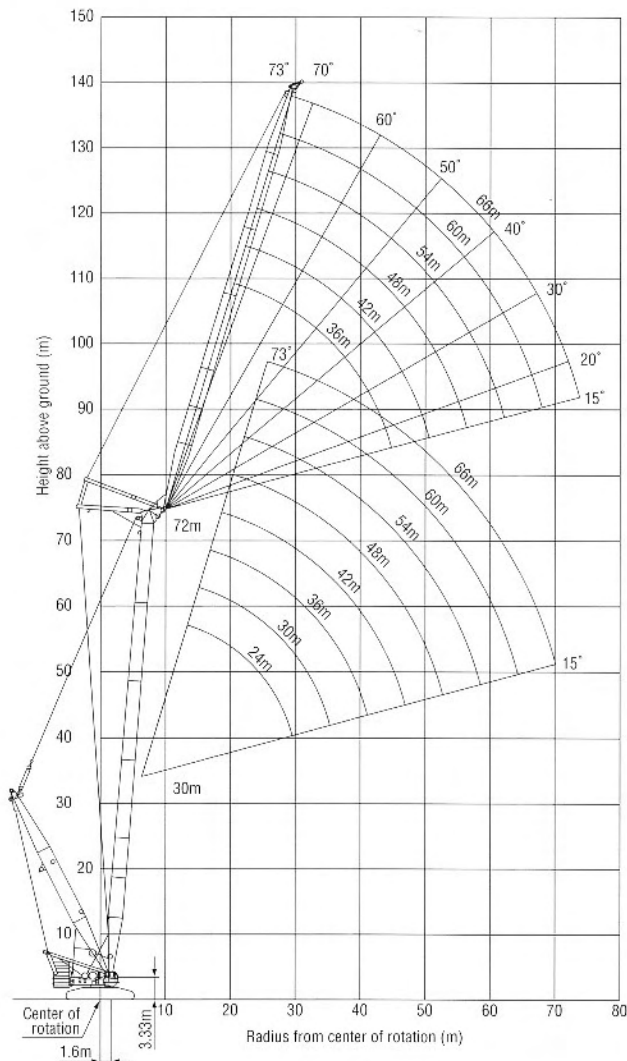
Unit: metric ton

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

(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.

(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.

(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.

(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.

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.

(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)

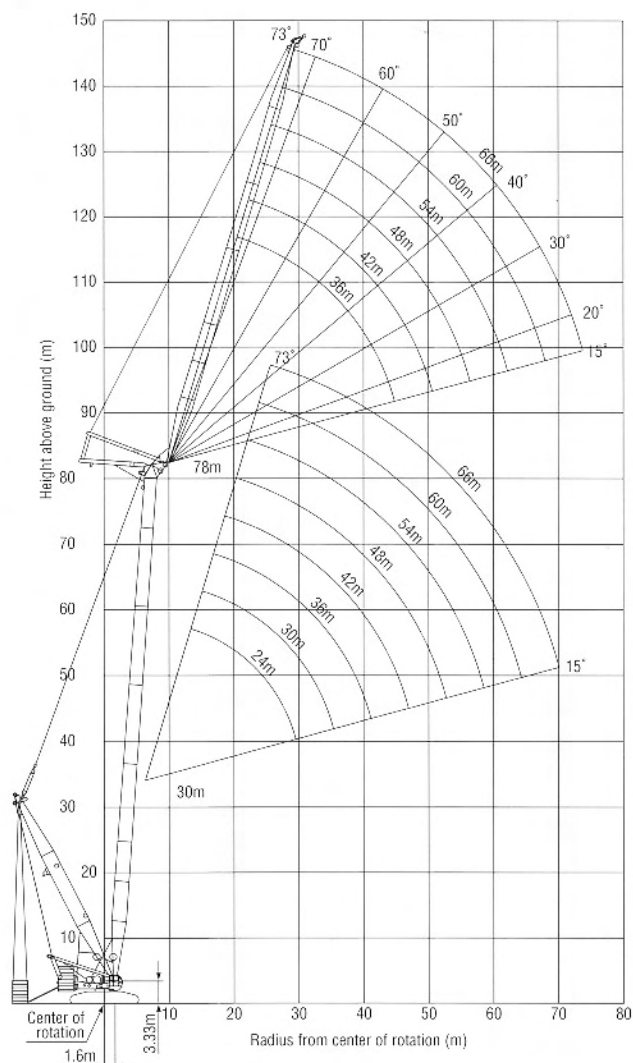
Unit: metric ton

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

**(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.

(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

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.

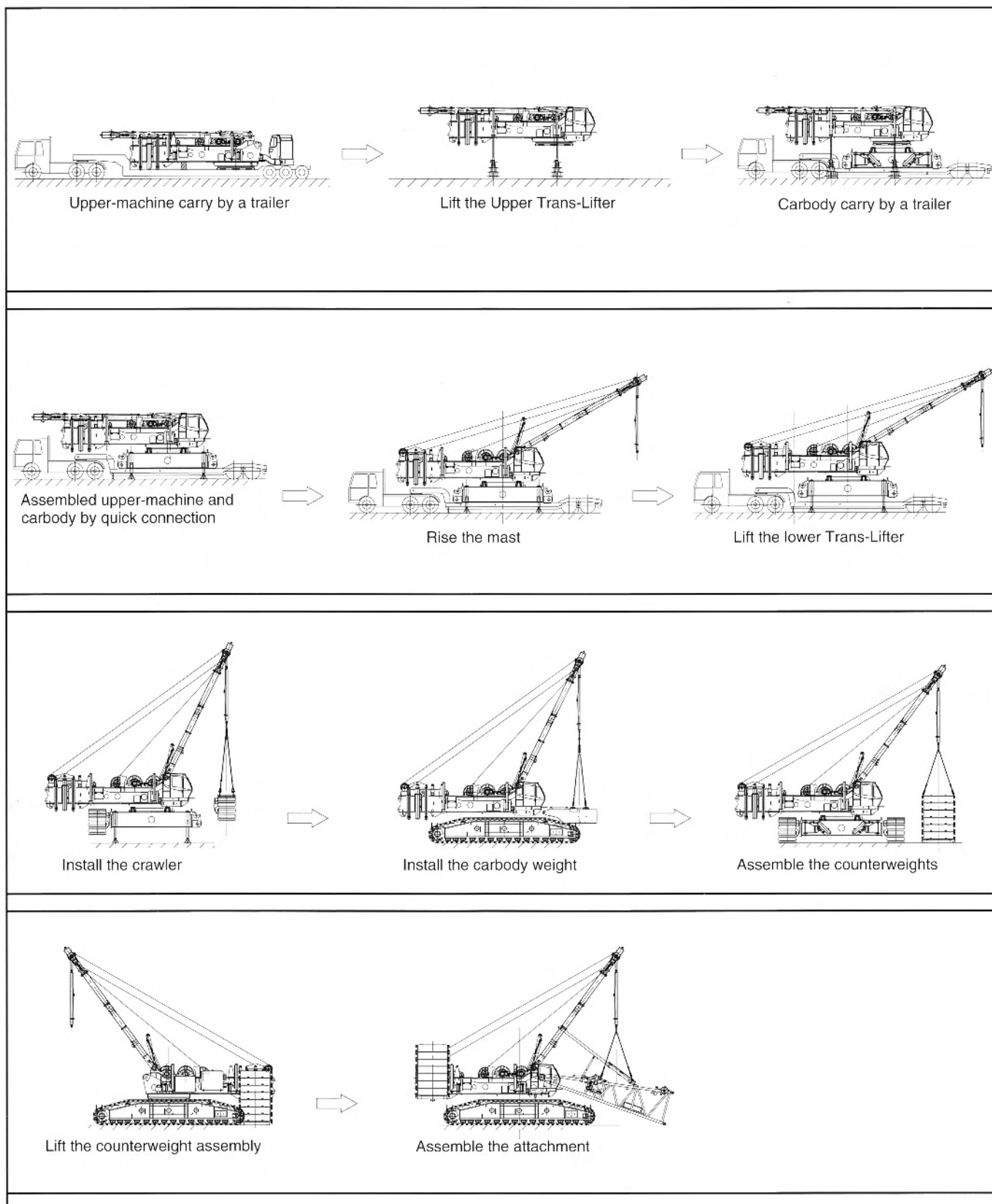
Operating radius (m)	84.0 m Boom							
	36.0 m Jib		42.0 m Jib		48.0 m Jib		54.0 m Jib	
	Boom angle		Boom angle		Boom angle		Boom angle	
	86°	76°	86°	76°	86°	76°	86°	76°
22.0	55.8							
24.0	50.2		50.2					
26.0	45.6		45.2		44.0			
28.0	41.8		41.2		40.6		35.4	
30.0	38.7		38.2		37.7		34.4	
34.0	33.7		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



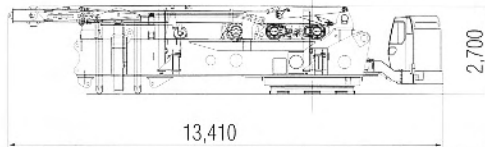
Note: Self-erection device is optional item.

Weight and Measurement for Transportation

Base Machine

Upper Frame

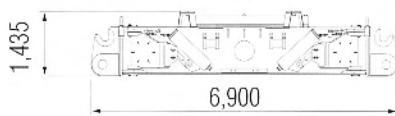
Weight: 60.0 ton x 1
Dimension: 13,410 mm (L) X 2,700 mm (H) X 3,000 mm (W)



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

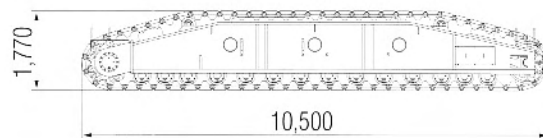
Weight: 26.2 ton x 1
Dimension: 6,900 mm (L) X 1,435 mm (H) X 3,000 mm (W)



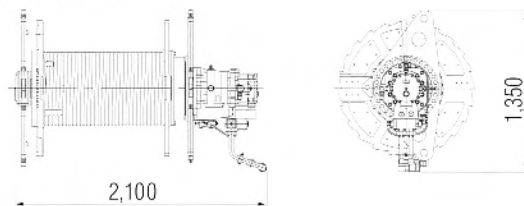
Includes upper and lower removal device and lower Trans-lifter.

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

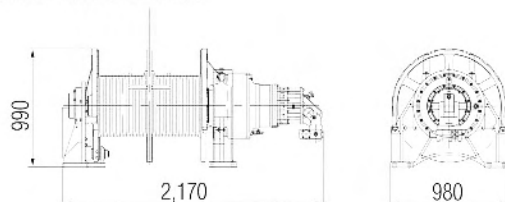


Hoist Winch Unit



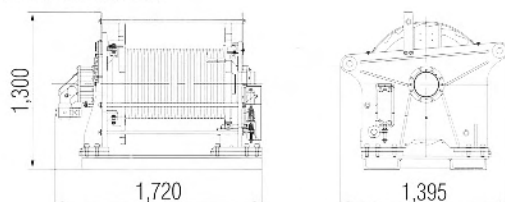
Weight: 2.08 ton x 2 (front and rear)

Boom hoist winch



Weight: 2.029 ton

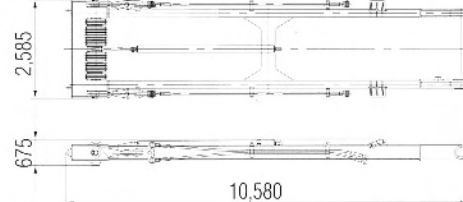
Jib hoist winch



Weight: 2.69 ton

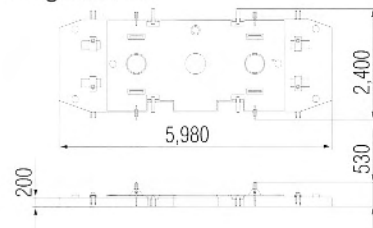
Mast

Weight: 6.29 ton



Include self-erection device and guy cable.

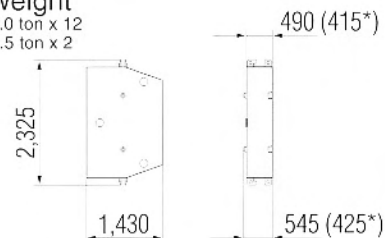
Counterweight Base



Weight: 20.0 ton

Counterweight

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



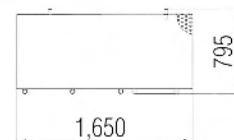
*Figures: counterweight (B)

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
Hook			
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	
Boom, Jib, Aux. Sheave			
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	
Jib backstop, sheave, etc.			
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	
Palette for SHL			
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.

KOBELCO is the corporate mark used by Kobe Steel on a variety of products and in the names of a number of Kobe Steel Group companies.

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