

Main Boom - 72
Luffer - 36

HYDRAULIC CRAWLER CRANE

KOBELCO

CKE4000C

Max. Lifting Capacity (Heavy-duty) : 350 tons at 6.0 m
Max. Boom Length (Light-duty) : 96 m

Max. Lifting Capacity (Luffing Jib) : 113.5 tons at 16.0 m
Max. Combination (Boom + Jib Length) : 72 m + 54 m

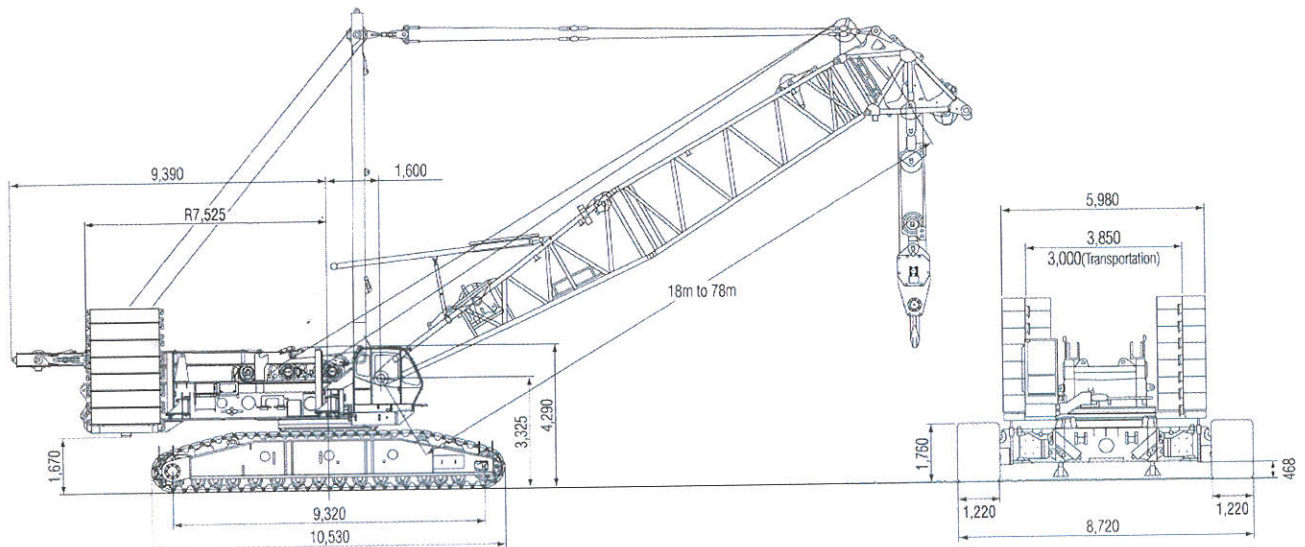
S P E C I F I C A T I O N S

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/cm ²)
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 ²)

General Dimensions

Unit: mm



KOBELCO CRANES CO., LTD.

Standard Crane Lifting Capacity

CKE4000C

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

Unit: metric tons

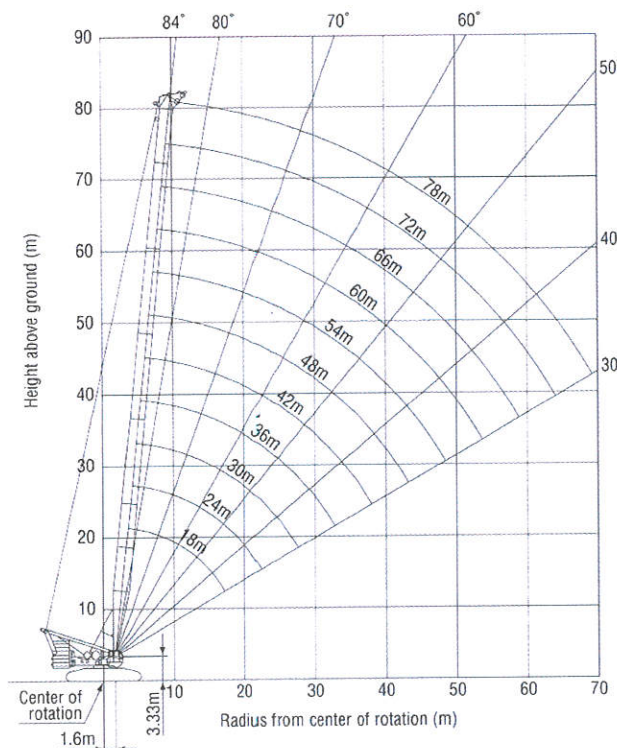
Operating radius (m)	Boom length (m)											Operating radius (m)	
	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0		
5.0	5.0 m/350.0	5.5 m/350.0											5.0
6.0	350.0	350.0	6.1 m/350.0	6.8 m/343.3									6.0
7.0	320.7	318.5	316.6	314.4	7.4 m/302.1								7.0
8.0	269.4	267.6	265.8	263.8	262.2	8.0 m/261.1	8.6 m/242.4						8.0
9.0	231.8	230.4	228.8	226.9	225.3	224.1	222.9	9.3 m/219.7	9.9 m/200.4				9.0
10.0	203.0	202.0	200.5	198.7	197.2	195.9	194.6	193.5	192.5	10.5 m/171.4	11.1 m/144.7		10.0
12.0	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	17.9 m/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		23.1 m/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			28.3 m/46.7	41.2	39.9	39.1	38.4	37.3	36.8	36.6	35.5		30.0
34.0				33.5 m/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					38.7 m/27.3	22.9	21.9	20.7	20.0	19.6	18.3		42.0
46.0						43.9 m/21.4	18.7	17.4	16.4	15.9	14.5		46.0
50.0							49.1 m/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								54.3 m/12.3	9.1	8.2	6.8		58.0
62.0									59.5 m/8.5	6.5	5.0		62.0
66.0										64.7 m/5.6	3.6		66.0
70.0											69.8 m/2.4		70.0
reeves	32	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

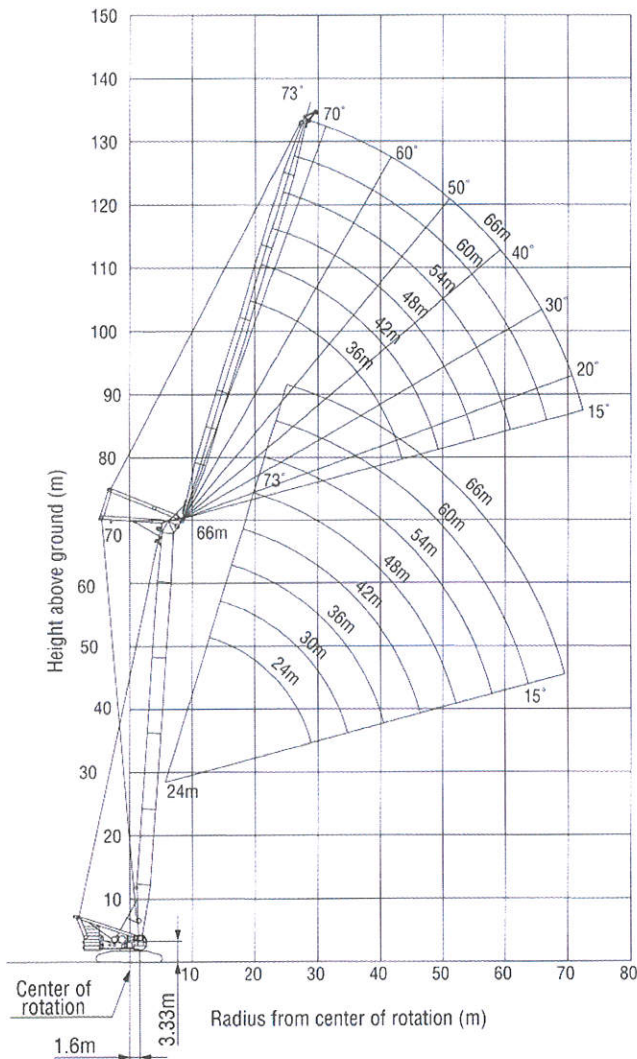
Boom length	Boom arrangement
18 m	Base-B-Cap
24 m	Base-A-B-Cap
30 m	Base-A-A-B-Cap, Base-C-B-Cap
36 m	Base-A-C-B-Cap
42 m	Base-A-A-C-B-Cap, Base-C-C-B-Cap
48 m	Base-A-C-C-B-Cap
54 m	Base-A-A-C-C-B-Cap, Base-C-C-C-B-Cap
60 m	Base-A-C-C-C-B-Cap
66 m	Base-A-A-C-C-C-B-Cap, Base-C-C-C-C-B-Cap
72 m	Base-A-C-C-C-C-B-Cap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

Base (lower boom) = 9.0 m , Cap (heavy-duty cap) = 1.2 m,
Inserts: A = 6.0 m, B (tapered boom) = 7.8 m, C = 12.0 m

Luffing Jib Working Ranges

CKE4000C

Working Ranges



Boom Arrangement

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

Base (lower boom) = 9.0 m , Cap (heavy-duty cap) = 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 Combinations Which is None.

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°	66°	
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.

LUFFING JIB LIFTING CAPACITY

CKE4000C

(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.

Luffing Jib Lifting Capacity

CKE4000C

(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			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				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.