



HYDRAULIC CRAWLER CRANE

CKE1800

KOBELCO

Max. Lifting Capacity: 180 t
Max. Boom Length: 85.3 m
Max. Jib Length: 30.5 m
Max. Luffing Jib: 51.8 m

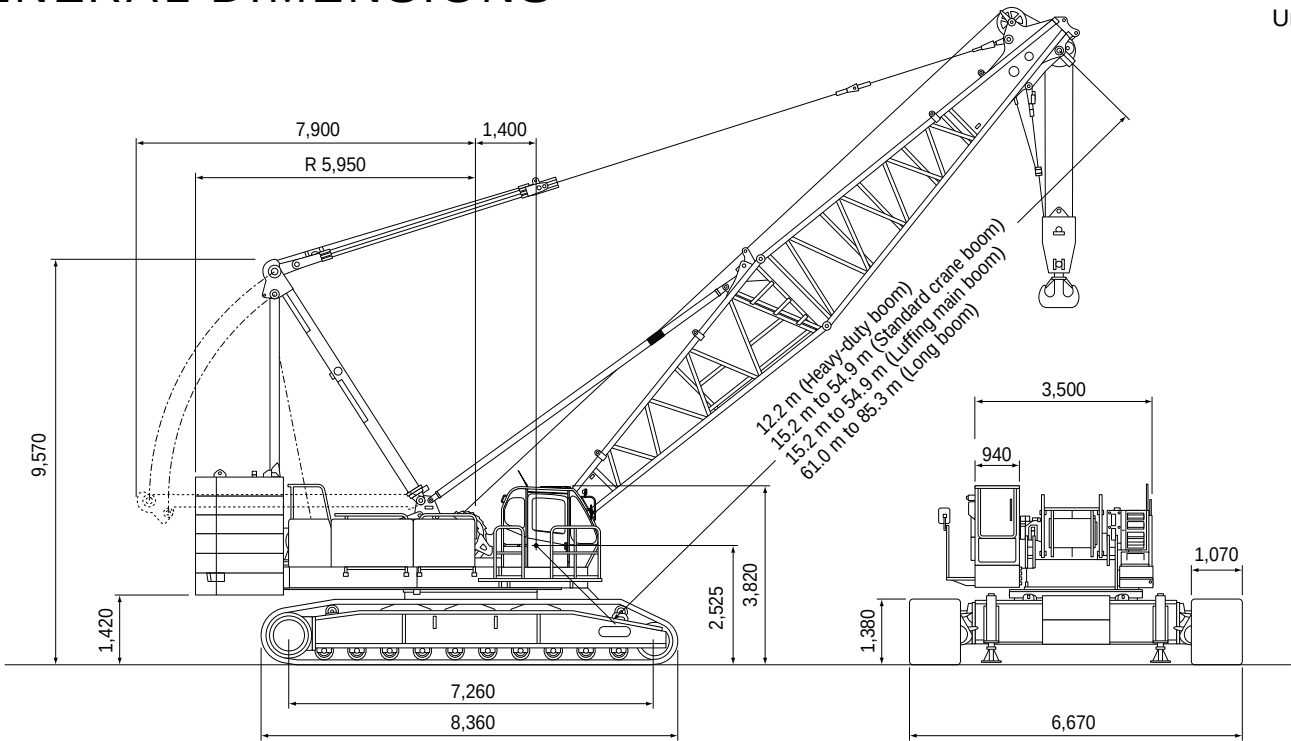
S P E C I F I C A T I O N S

Heavy Duty Boom	
Max. Lifting Capacity	180 t/3.75 m
Max. Length	12.2 m
Standard Crane Boom	
Max. Lifting Capacity	160 t/4.4 m
Max. Length	85.3 m
Luffing Main Boom	
Max. Lifting Capacity	110 t/5.2 m
Max. Length	54.9 m
Long Boom	
Max. Lifting Capacity	40.1 t/12 m
Max. Length	61.0~85.3 m
Fixed Jib	
Max. Lifting Capacity	26.8 t
Max. Length	30.5 m
Max. Combination	73.2 m + 30.5 m
Luffing Jib	
Max. Lifting Capacity	48.5 t/9.14 m
Length	21.3 m ~ 51.8 m
Combination	21.3 m ~ 54.9 m + 51.8 m
Luffing Angle	60° ~ 88°
Power Plant	
Model	Mitsubishi 6D24-TLU2D
Engine Output	235 kW/2,000 rpm
Fuel Tank Capacity	400 liters

Main & Aux. Winch	
Max. Line Speed	100 m/min (1st layer)
Rated Line Pull	132 kN (13.4 tf)
Max. Line Pull	245 kN (25.0 tf) (1st layer)
Wire Rope Diameter	25 mm
Wire Rope Length	430 m (main) 335 m (aux.)
Brake Type	Wet-type multiple disc brake
Free Fall	Option
Working Speed	
Swing	2.6 min ⁻¹ (rpm)
Travel	1.1/0.7 km/h
Hydraulic System	
Pumps	3 variable displacement
Max. Pressure	31.9 MPa (325 kg/cm ²)
Hydraulic Tank Capacity	550 liters
Self Erection Device	
Standard	
Weight	
Operating Weight	Approx. 164 t
Counterweight	60.6 t (upper) + 20.0 t (lower)
Transportation Weight	43.1 t (with trans lifter)
Ground Pressure (Ave.)	91 kPa (0.93 kgf/cm ²)

GENERAL DIMENSIONS

Unit: mm



KOBELCO CRANES CO., LTD.

MAIN BOOM LIFTING CAPACITY

Unit: ton

Boom length		12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2	79.2	82.3	85.3
m (ft)		(40)	(50)	(60)	(70)	(80)	(90)	(100)	(110)	(120)	(130)	(140)	(150)	(160)	(170)	(180)	(190)	(200)	(210)	(220)	(230)	(240)	(250)	(260)	(270)	(280)
Working radius (m)	4.0	3.75m/180.0	4.4m/160.0	4.9m/144.2																						
	5.0	141.6	141.6	141.6	5.4m/131.4	5.9m/121.3																				
	6.0	119.3	119.3	119.3	119.3	119.3	6.4m/112.0	6.9m/103.9																		
	7.0	102.7	102.7	102.7	102.7	102.7	102.5	7.4m/97.1	7.9m/90.6																	
	8.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	8.4m/80.3	8.9m/76.8															
	9.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.4	76.3	9.4m/70.6														
	10.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	70.2	68.4	66.6	10.0m/65.4	10.5m/60.7	11.0m/56.4	11.5m/52.4										
	12.0		58.8	58.7	58.6	58.5	58.4	58.3	58.2	57.8	56.5	55.1	54.0	52.8	51.5	50.5	12.0m/48.3	12.5m/44.7	13.0m/41.2	13.5m/38.0						
	14.0		47.2	47.7	47.6	47.4	47.3	47.2	47.0	47.0	46.9	46.7	46.5	46.0	45.0	43.9	43.2	42.3	41.5	40.1	37.5	14.0m/34.5	14.5m/31.8	15.0m/29.0	15.5m/25.9	
	16.0		14.8m/41.9	40.2	40.1	39.9	39.8	39.6	39.4	39.4	39.3	39.1	38.9	38.8	38.6	38.1	37.5	36.7	36.1	35.3	34.8	32.2	30.1	27.9	25.3	16.1m/21.0
	18.0			17.5m/35.9	34.4	34.2	34.1	34.0	33.7	33.7	33.6	33.3	33.2	33.1	32.9	32.7	32.7	32.3	31.8	31.1	30.7	29.8	27.8	25.9	22.9	19.0
	20.0				30.1	29.8	29.6	29.5	29.3	29.2	29.1	28.9	28.7	28.6	28.4	28.3	28.2	28.0	27.9	27.7	27.3	26.7	25.8	23.9	20.9	17.2
	22.0				20.1m/29.9	26.5	26.3	26.2	25.9	25.8	25.7	25.5	25.3	25.3	25.0	24.9	24.8	24.6	24.5	24.4	24.2	24.0	23.6	22.0	19.1	15.6
	24.0					22.7m/25.4	23.6	23.4	23.2	23.0	22.9	22.7	22.5	22.4	22.2	22.1	22.0	21.9	21.7	21.6	21.4	21.4	21.3	20.3	17.5	14.2
	26.0						25.4m/22.0	21.1	20.9	20.7	20.6	20.4	20.2	20.1	19.9	19.7	19.7	19.4	19.4	19.2	19.0	19.0	18.9	18.7	16.0	13.0
	28.0							28.0m/19.2	19.0	18.8	18.7	18.5	18.3	18.2	18.0	17.8	17.7	17.5	17.5	17.3	17.1	17.0	17.0	16.8	14.7	11.8
	30.0								17.4	17.2	17.1	16.9	16.7	16.6	16.4	16.2	16.1	15.9	15.8	15.6	15.5	15.4	15.3	15.2	13.5	10.8
	32.0								30.7m/16.9	15.8	15.7	15.4	15.2	15.1	14.9	14.7	14.6	14.4	14.3	14.2	14.0	13.9	13.8	13.7	12.4	9.9
	34.0									33.3m/15.0	14.4	14.2	14.0	13.9	13.6	13.5	13.4	13.2	13.1	12.9	12.8	12.7	12.6	12.4	11.4	9.0
	36.0										35.9m/13.4	13.1	13.0	12.8	12.6	12.4	12.3	12.1	12.0	11.9	11.7	11.6	11.5	11.3	10.4	8.2
	38.0											12.2	12.1	11.8	11.7	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.3	9.6	7.4
	40.0										38.6m/12.0	11.1	11.0	10.7	10.6	10.4	10.2	10.2	10.0	9.8	9.7	9.6	9.4	8.7	6.7	
	42.0											41.2m/10.7	10.3	10.0	9.9	9.7	9.5	9.4	9.3	9.1	9.0	8.9	8.7	8.0	6.0	
	44.0												43.8m/9.7	9.4	9.2	9.0	8.9	8.8	8.5	8.4	8.3	8.2	8.0	7.3	5.4	
	46.0													8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.6	7.5	7.4	6.6	4.8	
	48.0													46.5m/8.6	8.0	7.9	7.6	7.6	7.4	7.2	7.1	7.0	6.8	6.0	4.2	
	50.0														49.1m/7.7	7.4	7.1	7.0	6.9	6.7	6.6	6.5	6.3	5.4	3.7	
	52.0															51.8m/6.9	6.7	6.6	6.4	6.2	6.0	5.9	5.8	4.8	3.2	
	54.0																6.2	6.2	6.0	5.7	5.6	5.5	5.3	4.3	2.7	
	56.0																54.4m/6.1	5.8	5.5	5.3	5.2	5.0	4.8	3.8	2.2	
	58.0																	57.0m/5.5	5.1	4.9	4.7	4.6	4.4	3.3	1.8	
	60.0																		59.7m/4.8	4.5	4.4	4.2	4.0	2.8	59.0m/1.6	
	62.0																			4.2	4.0	3.9	3.7	2.4		
	64.0																			62.3m/4.1	3.7	3.6	3.3	1.9		
	66.0																				65.0m/3.5	3.2	2.9	65.0m/1.7		
	68.0																					67.6m/3.0	2.4			
	70.0																						70.0m/2.0			

- Note:
- Rating according to DIN 15018/3 and prEN 13000.
 - Rating shown in are determined by the strength of the boom or other structural components.
 - Instruction in the operator's manual must be strictly observed when operating the machine.
 - ★1: With heavy duty boom top.

FIXED JIB LIFTING CAPACITY
(counterweight: 60.6 t, carbodyweight: 20.0 t, without main hook)

Jib Offset Angle: 10°

Boom length	24.4 m		48.8 m		73.2 m	
Jib length	12.2 m	30.5 m	12.2 m	30.5 m	12.2 m	30.5 m
9.0 m	9.8 m/26.8					
10.0 m	26.8					
12.0 m	26.5		13.4 m/26.8			
14.0 m	23.1	14.0 m/6.1	26.6			
16.0 m	20.7	5.9	25.6			
18.0 m	19.2	5.8	24.1	18.3 m/6.0	18.3 m/19.1	
20.0 m	18.0	5.6	23.0	5.9	18.8	
22.0 m	16.9	5.3	21.8	5.8	18.4	22.9 m/6.0
24.0 m	16.0	5.0	20.8	5.7	18.0	5.9
26.0 m	15.2	4.8	19.9	5.6	17.6	5.8
28.0 m	14.4	4.6	18.3	5.4	16.9	5.7
30.0 m	13.7	4.4	16.6	5.2	15.2	5.6
34.0 m	33.5 m/12.7	4.0	13.9	4.9	12.5	5.4
38.0 m		3.7	11.8	4.5	10.4	5.2
42.0 m		3.4	10.2	4.3	8.8	4.9
46.0 m		3.2	8.8	4.0	7.3	4.6
50.0 m		3.0	7.7	3.8	6.3	4.4
54.0 m		50.3 m/3.0	6.8	3.6	5.3	4.2
58.0 m			54.9 m/6.6	3.4	4.4	4.0
62.0 m				3.3	3.5	3.8
66.0 m				3.2	2.8	3.6
70.0 m				3.0	2.1	2.9
74.0 m				70.1 m/3.0	70.1 m/2.0	2.4
78.0 m						77.7 m/2.0

Jib Offset Angle: 30°

Boom length	24.4 m		48.8 m		73.2 m	
Jib length	12.2 m	30.5 m	12.2 m	30.5 m	12.2 m	30.5 m
12.0 m	13.4 m/17.2					
14.0 m	17.2					
16.0 m	16.0					
18.0 m	15.2		18.3 m/16.9			
20.0 m	14.3		16.5		21.3 m/17.2	
22.0 m	13.5		16.1		17.1	
24.0 m	12.7	24.4 m/4.1	15.6		16.7	
26.0 m	12.1	4.0	15.1	27.4 m/4.2	16.4	
28.0 m	11.6	3.9	14.5	4.1	16.0	
30.0 m	11.2	3.7	14.0	4.0	15.6	32.0 m/4.1
34.0 m	33.5 m/10.6	3.4	13.1	3.8	13.1	4.0
38.0 m		3.3	12.1	3.6	10.9	3.9
42.0 m		3.1	10.4	3.4	9.1	3.7
46.0 m		3.0	9.0	3.4	7.7	3.6
50.0 m		2.9	48.8 m/8.2	3.2	6.5	3.4
54.0 m		51.8 m/2.9		3.1	5.6	3.4
58.0 m				3.0	4.6	3.3
62.0 m				2.9	3.7	3.2
66.0 m				2.9	2.9	3.1
70.0 m				67.1 m/2.9	67.1 m/2.8	3.0
74.0 m						2.9
78.0 m						2.4
82.0 m						1.8
84.0 m						82.3 m/1.8



CKE1800

LUFFING JIB LIFTING CAPACITY (Boom Angle Fixed Type 88° and 80°)

Boom length	24.4 m												30.5 m											
Jib length	21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m		21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m	
Boom Angle	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°
10.0 m	47.4												47.4											
12.0 m	47.4		47.4										47.4		47.4									
14.0 m	44.0		43.9		43.7		34.6						45.2		45.1		44.9							
16.0 m	36.4	40.6	36.3		36.1		33.6						37.2		37.2		37.0		33.7					
18.0 m	30.7	34.6	30.6		30.4		30.5		22.9				31.4	34.2	31.2		31.1		31.0		23.1			
20.0 m	26.6	30.3	26.5	30.2	26.3		26.4		21.3		16.4		27.0	30.3	27.0	29.6	26.8		27.0		21.4		16.5	
22.0 m	23.3	26.8	23.2	26.7	23.0	26.5	23.1		19.8		15.2		23.7	26.6	23.5	26.3	23.4	26.0	23.5		19.9		15.2	
24.0 m		24.0	20.6	23.9	20.4	23.7	20.4	23.5	18.5		14.1			23.7	20.8	23.5	20.7	23.3	20.7		18.6		14.2	
26.0 m		21.8	18.4	21.6	18.2	21.4	18.2	21.3	17.3	19.8	13.2		21.5	18.6	21.2	18.5	21.0	18.5	20.9	17.4			13.2	
28.0 m			16.6	19.7	16.4	19.5	16.4	19.4	16.3	18.5	12.3	14.0			16.8	19.4	16.6	19.2	16.6	19.0	16.4	18.6	12.3	
30.0 m				18.0	14.9	17.9	14.9	17.7	14.9	17.3	11.5	13.0				17.8	15.0	17.5	15.0	17.4	15.1	17.1	11.5	13.5
34.0 m						14.8	12.4	14.9	12.4	14.5	10.2	11.4						14.9	12.5	14.8	12.6	14.6	10.3	11.8
38.0 m						12.4	10.5	12.4	10.4	12.2	9.1	10.1						12.9	10.5	12.8	10.7	12.6	9.1	10.4
42.0 m								10.5	9.0	10.3	8.2	9.0								11.0	9.1	10.8	8.2	9.3
46.0 m										8.8	7.3	8.2										9.2	7.4	8.3
50.0 m										7.7	6.5	7.3										7.9	6.5	7.5
52.0 m												6.3												6.6
54.0 m												5.9												6.2

Boom length	36.6 m												42.7 m											
Jib length	21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m		21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m	
Boom Angle	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°
10.0 m	47.4												47.4											
12.0 m	47.4		47.4										47.4		47.4									
14.0 m	46.3		46.3		46.0								47.4		47.3		40.1							
16.0 m	38.1		38.0		37.8		33.7						38.9		38.8		37.9		33.8					
18.0 m	31.9		31.9		31.7		31.5		23.2				32.4		32.4		32.3		32.0		23.3			
20.0 m	27.5	29.5	27.4	29.1	27.2		27.5		21.5		16.5		27.9	28.8	27.9		27.6		27.9		21.7		16.7	
22.0 m	23.9	26.2	23.9	25.9	23.8		23.9		20.0		15.3		24.2	25.7	24.2	25.3	24.1		24.3		20.2		15.4	
24.0 m		23.4	21.1	23.1	21.0	22.9	21.0		18.7		14.2			22.9	21.3	22.8	21.2		21.3		18.8		14.3	
26.0 m		21.1	18.8	20.9	18.7	20.8	18.7	20.3	17.6		13.2			20.7	19.0	20.6	18.9	20.4	19.0	19.8	17.6		13.3	
28.0 m		19.2	16.9	19.0	16.8	18.9	16.9	18.7	16.5	18.2	12.3			18.9	17.1	18.8	17.0	18.5	17.0	18.3	16.5		12.4	
30.0 m				17.4	15.2	17.4	15.2	17.0	15.3	16.9	11.6					17.1	15.4	16.9	15.4	16.6	15.4	16.3	11.6	
34.0 m				14.8		14.8	12.6	14.5	12.7	14.3	10.3	12.2				14.6		14.4	12.7	14.1	12.8	13.9	10.3	11.7
38.0 m						12.7	10.7	12.6	10.7	12.3	9.1	10.7						12.6	10.7	12.2	10.8	12.1	9.2	10.3
42.0 m								11.0	9.2	10.8	8.2	9.5								10.7	9.2	10.5	8.2	9.3
46.0 m										9.5	7.4	8.5							9.4		9.2	7.4	8.3	
50.0 m										8.2	6.5	7.7									8.2	6.6	7.5	
54.0 m												6.8												6.8
58.0 m																								6.3

Boom length	48.8 m												54.9 m											
Jib length	21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m		21.3 m		27.4 m		33.5 m		39.6 m		45.7 m		51.8 m	
Boom Angle	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°	88°	80°
10.0 m	47.4																							
12.0 m	47.4		42.4										41.5		42.4									
14.0 m	47.1		40.1		40.1								40.1		39.1		37.6							
16.0 m	39.7		38.4		38.3		33.8						37.9		36.3		34.8		30.5					
18.0 m	33.0		33.0		32.8		32.3		23.5				33.5		33.2		32.4		26.8		23.6			
20.0 m	28.3	28.2	28.3		28.1		28.4		21.8		16.8		28.7		28.7		29.1		26.7		22.0		17.0	
22.0 m	24.6	25.1	24.6		24.5		24.6		20.3		15.5		24.8	24.5	24.9		25.2		25.0		20.4		15.6	
24.0 m	21.3	22.5	21.6	22.2	21.5		21.6		18.9		14.4		21.7	22.0	21.8	21.7	22.1		21.9		19.0		14.5	
26.0 m		20.3	19.2	20.1	19.1	19.9	19.2		17.7		13.3			19.9	19.4	19.7	19.7	19.1	19.4		17.7		13.4	
28.0 m		18.5	17.2	18.3	17.1	18.1	17.2	17.6	16.6		12.5			18.2	17.4	17.9	17.6	17.7	17.4		16.7		12.5	
30.0 m		16.9		16.8	15.4	16.5	15.5	16.3	15.5		11.7			16.6	15.6	16.4	15.9	16.1	15.7	15.7	15.7		11.7	
34.0 m				14.3	12.8	14.1	12.8	13.8	13.0	13.6	10.3	13.1				13.9	13.1	13.8	12.9	13.4	13.1	13.2	10.4	12.5
38.0 m						12.2	10.7	11.9	10.8	11.7	9.2	11.4						11.8	10.8	11.6	10.9	11.3	9.2	11.1
42.0 m								10.4	9.3	10.2	8.2	9.9						10.4		10.1	9.4	9.9	8.3	9.7
46.0 m								9.2		9.0	7.4	8.7								8.9		8.7	7.4	8.6
50.0 m										8.0	6.6	7.7										7.7	6.3	7.6
54.0 m												6.9										6.9		6.8
58.0 m												6.2												6.1
60.0 m																								5.5

Note: 1. Rating according to DIN 15018/3 and prEN 13000.
2. Rating shown in are determined by the strength of the boom or other structural components.
3. Instruction in the operator's manual must be strictly observed when operating the machine.



BOOM & JIB ARRANGEMENT

CRANE BOOM ARRANGEMENT

Boom length m (ft)	Boom arrangement
15.2 (50)	Base-Tip
18.3 (60)	Base-A-Tip
21.3 (70)	Base-A-A-Tip, Base-B-Tip
24.4 (80)	Base-A-B-Tip, Base-C-Tip
27.4 (90)	Base-A-A-B-Tip, Base-A-C-Tip
30.5 (100)	Base-A-A-C-Tip, Base-B-C-Tip
33.5 (110)	Base-A-B-C-Tip, Base-C-C-Tip
36.6 (120)	Base-A-A-B-C-Tip, Base-A-C-C-Tip
39.6 (130)	Base-A-A-C-C-Tip, Base-A-B-B-C-Tip, Base-B-C-C-Tip
42.7 (140)	Base-A-B-C-C-Tip, Base-A-A-B-B-C-Tip, Base-C-C-C-Tip
45.7 (150)	Base-A-A-B-C-C-Tip, Base-B-B-C-C-Tip, Base-A-C-C-C-Tip
48.8 (160)	Base-A-A-C-C-C-Tip, Base-A-B-B-C-C-Tip, Base-B-C-C-C-Tip
51.8 (170)	Base-C-C-C-C-Tip, Base-A-B-C-C-C-Tip, Base-A-A-B-B-C-C-Tip
54.9 (180)	Base-A-A-B-C-C-C-Tip, Base-A-C-C-C-C-Tip, Base-B-B-C-C-C-Tip
57.9 (190)	Base-A-A-C-C-C-C-Tip, Base-A-B-B-C-C-C-Tip, Base-B-C-C-C-C-Tip
61.0 (200)	Base-A-B-C-C-C-C-Tip, Base-A-A-B-B-C-C-C-Tip
64.0 (210)	Base-A-B-C-C-C-D-Tip, Base-A-A-B-B-C-C-D-Tip, Base-C-C-C-C-D-Tip
67.1 (220)	Base-A-A-B-C-C-C-D-Tip, Base-A-C-C-C-C-D-Tip, Base-B-B-C-C-C-D-Tip
70.1 (230)	Base-A-A-C-C-C-C-D-Tip, Base-A-B-B-C-C-C-D-Tip, Base-B-C-C-C-C-D-Tip
73.2 (240)	Base-A-B-C-C-C-C-D-Tip, Base-A-A-B-B-C-C-C-D-Tip
76.2 (250)	Base-A-B-C-C-C-D-D-Tip, Base-A-A-B-B-C-C-D-D-Tip, Base-C-C-C-C-D-D-Tip
79.3 (260)	Base-A-A-B-C-C-C-D-D-Tip, Base-A-C-C-C-C-D-D-Tip, Base-B-B-C-C-C-D-D-Tip
82.3 (270)	Base-A-A-C-C-C-C-D-D-Tip, Base-A-B-B-C-C-C-D-D-Tip, Base-B-C-C-C-C-D-D-Tip
85.3 (280)	Base-A-B-C-C-C-C-D-D-Tip

Base Boom Length and Boom Tip Length
Base = 8.8 m (29'), Tip = 7.4 m (24')
Insert Boom
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30'),
D = 12.2 m (40')

FIXED JIB ARRANGEMENT

Jib length m (ft)	Jib arrangement
12.2 (40)	Base-A-Tip
18.3 (60)	Base-A-B-Tip
24.4 (80)	Base-A-B-B-Tip
30.5 (100)	Base-A-B-B-B-Tip

Base Jib Length and Jib Tip Length
Base = 5.1 m (17'), Tip = 5.0 m (16')
Insert Jib
A = 3.0 m (10'), B = 6.1 m (20')
The length of the boom to which the jib is attached is 24.4 m to 73.2 m.

LONG BOOM ARRANGEMENT

Boom length m (ft)	Boom arrangement
61.0 (200)	Base-A-A-C-C-C-C-T-Ltip
64.0 (210)	Base-A-A-C-C-C-C-T-A1-Ltip
67.1 (220)	Base-A-A-C-C-C-C-T-A1-A1-Ltip, Base-A-A-C-C-C-C-T-B1-Ltip
70.1 (230)	Base-A-A-C-C-C-C-T-A1-B1-Ltip, Base-A-A-C-C-C-C-T-C1-Ltip
73.2 (240)	Base-A-A-C-C-C-C-T-A1-A1-B1-Ltip, Base-A-A-C-C-C-C-T-A1-C1-Ltip
76.2 (250)	Base-A-A-C-C-C-C-T-A1-A1-C1-Ltip, Base-A-A-C-C-C-C-T-B1-C1-Ltip
79.3 (260)	Base-A-A-C-C-C-C-T-A1-B1-C1-Ltip, Base-A-A-C-C-C-C-T-C1-C1-Ltip
82.3 (270)	Base-A-A-C-C-C-C-T-A1-A1-B1-C1-Ltip, Base-A-A-C-C-C-C-T-A1-C1-C1-Ltip
85.3 (280)	Base-A-B-C-C-C-C-T-A1-A1-B1-C1-Ltip, Base-A-B-C-C-C-C-T-A1-C1-C1-Ltip

Base Boom Length and Long Boom Tip Length
Base = 8.5 m (28'), Ltip = 6.1 m (20')
Insert Boom
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30'), A1 = 3.0 m (10'), B1 = 6.1 m (20'),
C1 = 9.1 m (30')
Taper Boom
T = 3.6 m (12')

LUFFING BOOM ARRANGEMENT FOR CRANE

Boom length m (ft)	Boom arrangement
15.2 (50)	Base-A-Cap
18.3 (60)	Base-A-A-Cap, Base-B-Cap
21.3 (70)	Base-A-B-Cap, Base-C-Cap
24.4 (80)	Base-A-A-B-Cap, Base-A-C-Cap
27.4 (90)	Base-A-A-C-Cap, Base-B-C-Cap
30.5 (100)	Base-A-B-C-Cap, Base-C-C-Cap
33.5 (110)	Base-A-A-B-C-Cap, Base-A-C-C-Cap
36.6 (120)	Base-A-A-C-C-Cap, Base-B-C-C-Cap
39.6 (130)	Base-A-B-C-C-Cap, Base-C-C-C-Cap
42.7 (140)	Base-A-A-B-C-C-Cap, Base-A-C-C-C-Cap
45.7 (150)	Base-A-A-C-C-C-Cap, Base-B-C-C-C-Cap
48.8 (160)	Base-A-B-C-C-C-Cap, Base-C-C-C-C-Cap
51.8 (170)	Base-A-A-B-C-C-C-Cap, Base-A-C-C-C-C-Cap
54.9 (180)	Base-A-A-C-C-C-C-Cap, Base-B-C-C-C-C-Cap

Base Boom Length and Luffing Boom Cap Length
Base = 8.5 m (28'), Cap = 3.6 m (12')
Insert Boom
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30')

LUFFING BOOM ARRANGEMENT FOR LUFFING

Boom length m (ft)	Boom arrangement
21.3 (70)	Base-A-B-Cap, Base-C-Cap
24.4 (80)	Base-A-A-B-Cap, Base-A-C-Cap
27.4 (90)	Base-A-A-C-Cap, Base-B-C-Cap
30.5 (100)	Base-A-B-C-Cap, Base-C-C-Cap
33.5 (110)	Base-A-A-B-C-Cap, Base-A-C-C-Cap
36.6 (120)	Base-A-A-C-C-Cap, Base-B-C-C-Cap
39.6 (130)	Base-A-B-C-C-Cap, Base-C-C-C-Cap
42.7 (140)	Base-A-A-B-C-C-Cap, Base-A-C-C-C-Cap
45.7 (150)	Base-A-A-C-C-C-Cap, Base-B-C-C-C-Cap
48.8 (160)	Base-A-B-C-C-C-Cap, Base-C-C-C-C-Cap
51.8 (170)	Base-A-A-B-C-C-C-Cap, Base-A-C-C-C-C-Cap
54.9 (180)	Base-A-A-C-C-C-C-Cap, Base-B-C-C-C-C-Cap

Base Boom Length and Luffing Boom Cap Length
Base = 8.5 m (28'), Cap = 3.6 m (12')
Insert Boom
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30')

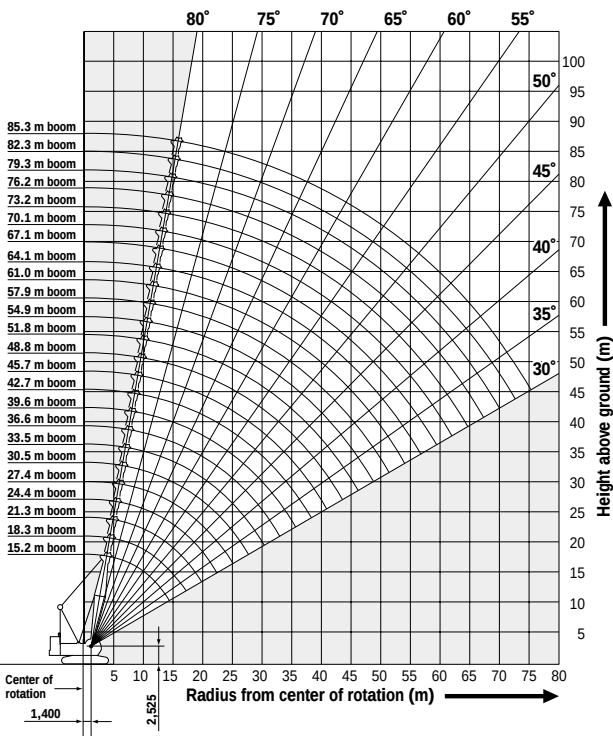
LUFFING JIB ARRANGEMENT

Jib length m (ft)	Jib arrangement
21.3 (70)	Base-A1-B1-Ltip, Base-C1-Ltip
24.4 (80)	Base-A1-A1-B1-Ltip, Base-A1-C1-Ltip
27.4 (90)	Base-A1-A1-C1-Ltip, Base-B1-C1-Ltip
30.5 (100)	Base-A1-B1-C1-Ltip, Base-C1-C1-Ltip
33.5 (110)	Base-A1-A1-B1-C1-Ltip, Base-A1-C1-C1-Ltip
36.6 (120)	Base-A1-A1-C1-C1-Ltip, Base-B1-C1-C1-Ltip
39.6 (130)	Base-A1-B1-C1-C1-Ltip, Base-C1-C1-C1-Ltip
42.7 (140)	Base-A1-A1-B1-C1-C1-Ltip, Base-A1-C1-C1-C1-Ltip
45.7 (150)	Base-A1-A1-C1-C1-C1-Ltip, Base-B1-C1-C1-C1-Ltip
48.8 (160)	Base-A1-B1-C1-C1-C1-Ltip
51.8 (170)	Base-A1-A1-B1-C1-C1-C1-Ltip

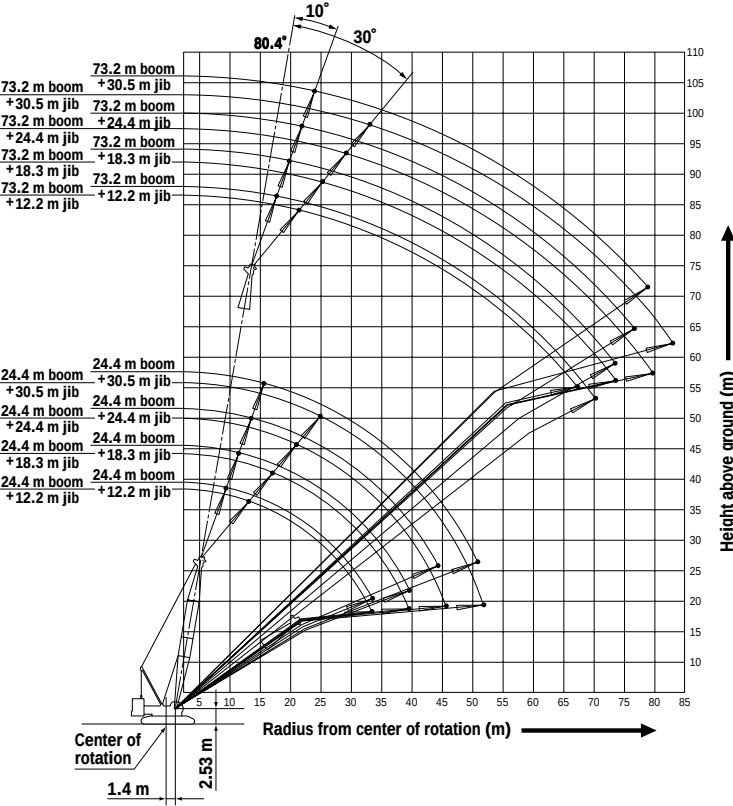
Base Jib Length and Jib Tip Length
Base = 6.1 m (20'), Ltip = 6.1 m (20')
Insert Luffing Jib
A1 = 3.0 m (10'), B1 = 6.1 m (20'), C1 = 9.1 m (30')

WORKING RADIUS

CRANE BOOM

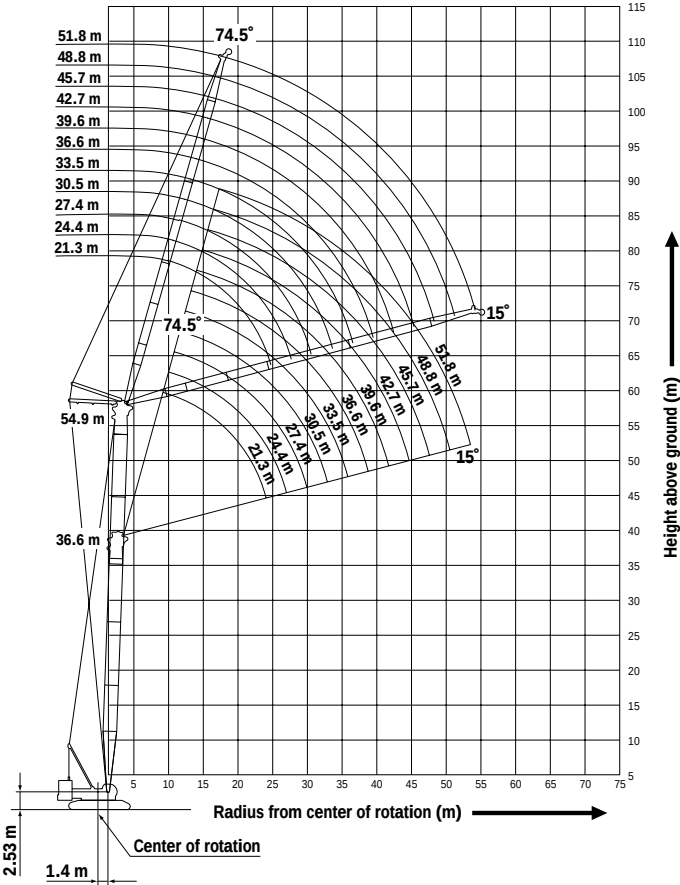


FIXED JIB (Jib Offset Angle: 10°+ 30°)

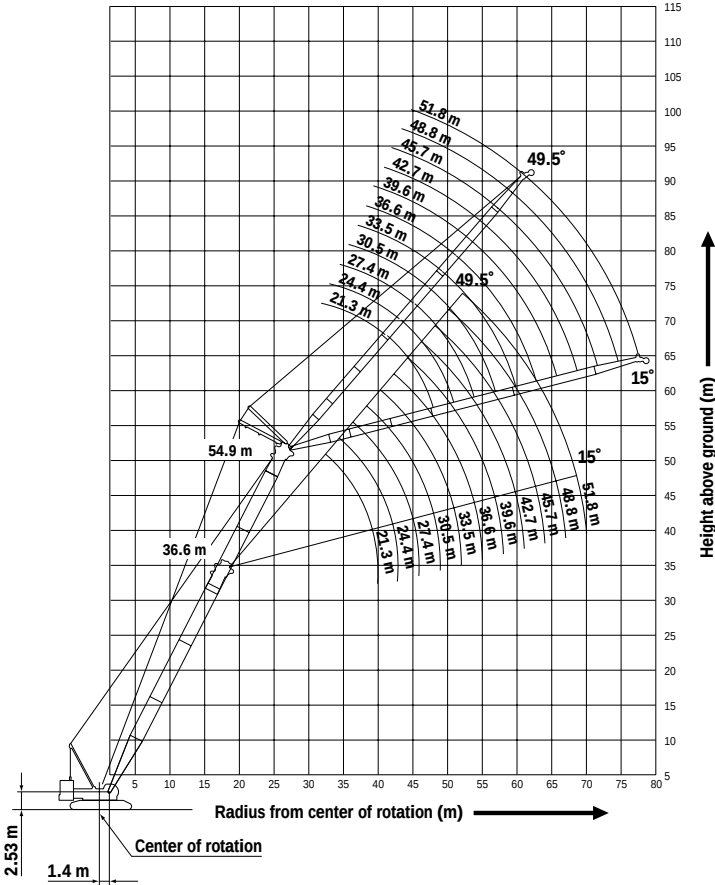


LUFFING JIB

Boom Angle: 88°



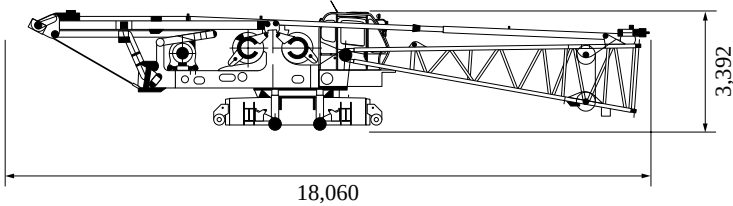
Boom Angle: 63°



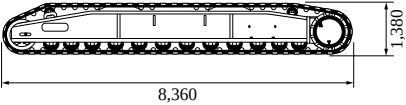
SPECIFICATIONS OF PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

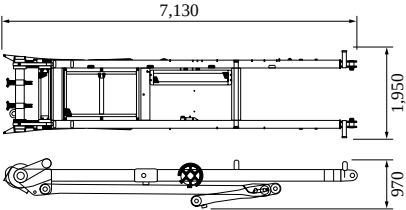
Base Machine + Boom Base
Weight: 43,100 kg*, Width: 3,500 mm



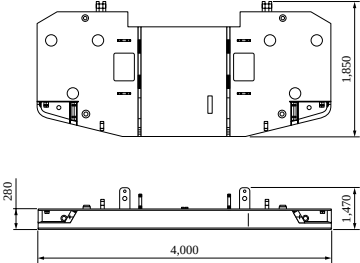
Crawler
Weight: 17,155 kg, Width: 1,070 mm



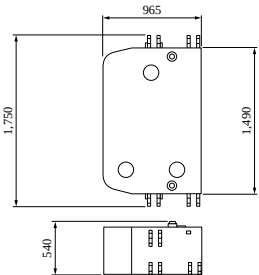
Gantry
Weight: 2,950 kg



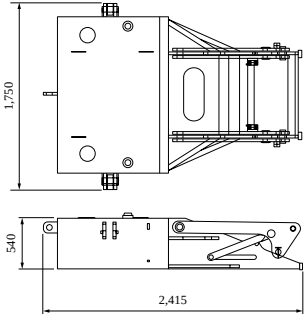
Counterweight (A)
Weight: 10,000 kg



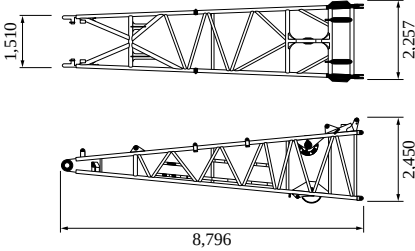
Counterweight (B)
Weight: 5,000 kg x 12 pieces



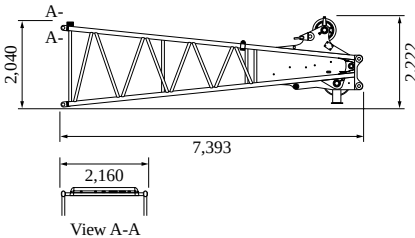
Carbody weight (A)
Weight: 5,000 kg x 2



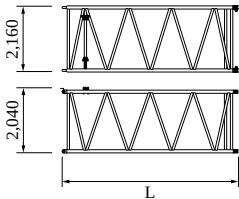
Boom Base
Weight: 2,620 kg



Boom Top
Weight: 2,240 kg (with Guy Cables)



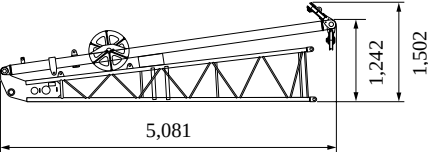
Insert Boom



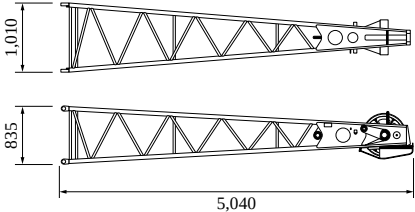
	L (mm)	Weight (kg)*
3.0 m	3,180	630 kg
6.1 m	6,230	1,028 kg
9.1 m	9,280	1,416 kg
12.2 m	12,320	1,682 kg

* with guy cables

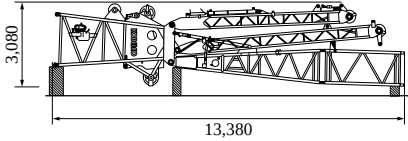
Jib Base with Strut (For Crane)
Weight: 510 kg, Width: 1,040 mm



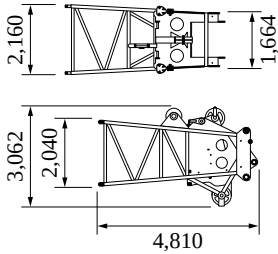
Jib Top (For Crane)
Weight: 315 kg



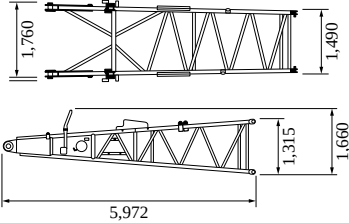
Travel Kit Assembly
Weight: 6,600 kg



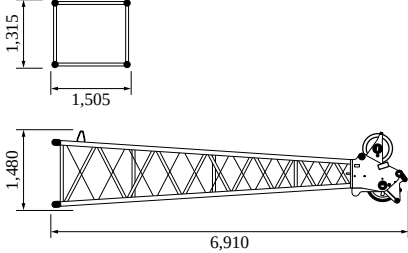
Luffing Upper Boom
Weight: 2,545 kg



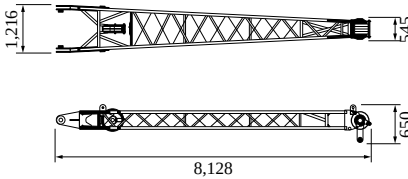
Luffing Jib Base
Weight: 1,140 kg



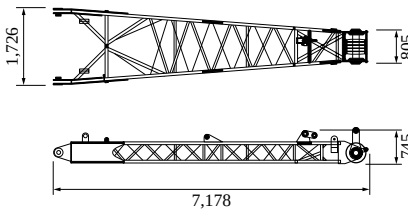
Luffing Jib Top
Weight: 1,170 kg



Front Strut (Luffing Jib)
Weight: 997 kg



Rear Strut (Luffing Jib)
Weight: 1,088 kg

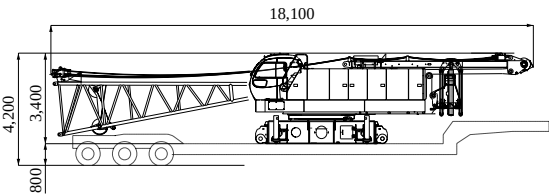
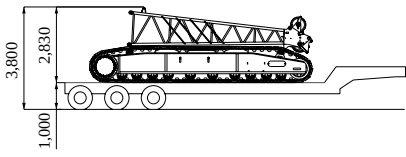
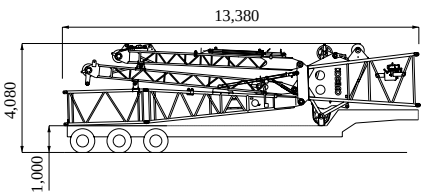
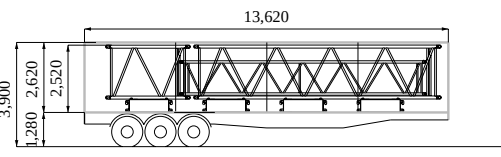
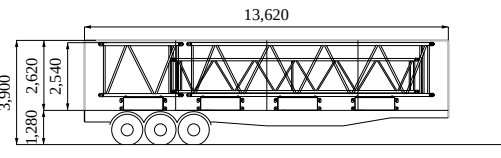
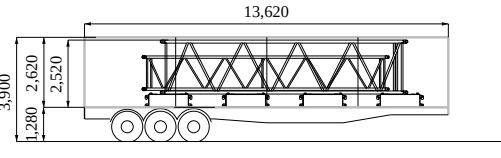
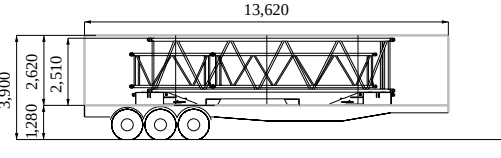




CKE1800

TRANSPORTATION PLAN

(Main Boom 54.9 m + Luffing Jib 51.8 m)

Configuration	Description	Total Weight
No.1 Low Loader Width: 3,500 mm 	Base Machine = Including 3rd winch Translifter All wire ropes	45.00 ton
No.2 Semi Loader 	Crawler No.1 = Crawler No.2 = Luffing Jib Top = Total =	17.15 ton 17.15 ton 1.17 ton 35.47 ton
No.3 Semi Loader 	Travel Kit =	6.60 ton
No. 4 Tent Side Truck 	Counterweight (4 x 5.00 ton) = 30 ft Boom x 1 = 30 ft Jib x 1 = 10 ft Boom x 1 = Total =	20.00 ton 1.42 ton 0.74 ton 0.53 ton 22.69 ton
No.5 Tent Side Truck 	Counterweight (4 x 5.00 ton) = 30 ft Boom x 1 = 30 ft Jib x 1 = 10 ft Boom x 1 = Total =	20.00 ton 1.42 ton 0.74 ton 0.53 ton 22.69 ton
No.6 Tent Side Truck 	Counterweight (4 x 5.00 ton) = 30 ft Boom x 1 = 30 ft Jib x 1 = Total =	20.00 ton 1.42 ton 0.74 ton 22.16 ton
No.7 Tent Side Truck 	Counterweight Base = 30 ft Boom x 1 = 20 ft Jib x 1 = 10 ft Jib x 1 = Carbodyweight Base (2x5.00 ton) = Total =	10.00 ton 1.42 ton 0.45 ton 0.31 ton 10.00 ton 22.18 ton

Note: This transport plan depends on your specification of trailer and the areas or countries where you transport.



OTHER ATTACHMENTS

CKE1800

Attachments	Weight	Dimensions (L x W x H)
Base machine (without base boom)	37,700 kg	10,400 mm x 3,800 mm x 3,390 mm
Translifter	360 kg	1,050 mm x 1,030 mm
Boom backstop	740 kg	7,086 mm x 360 mm
3.0 m (10 ft) Insert jib	110 kg	3,128 mm x 1,020 mm x 840 mm
6.1 m (20 ft) Insert jib	190 kg	6,175 mm x 1,020 mm x 840 mm
Auxiliary sheave	570 kg	1,670 mm x 1,660 mm
Upper spreader	590 kg	2,230 mm x 395 mm x 790 mm
Lower spreader	400 kg	1,500 mm x 290 mm x 780 mm
3.0 m (10 ft) Insert luffing jib	310 kg	3,165 mm x 1,490 mm x 1,290 mm
6.1 m (20 ft) Insert luffing jib	540 kg	6,210 mm x 1,490 mm x 1,290 mm
9.1 m (30 ft) Insert luffing jib	740 kg	9,280 mm x 1,490 mm x 1,290 mm
Luffing jib backstop	100 kg	2,943 mm x 226 mm
Strut backstop (luffing jib)	180 kg	2,888 mm x 268 mm
Auxiliary sheave (luffing jib)	380 kg	1,012 mm x 893 mm x 914 mm
Luffing jib drum	1,470 kg	840 mm x 1,616 mm x 900 mm
Ball hook	460 kg	1,200 mm x 380 mm dia.
35-ton hook	900 kg	1,575 mm x 365 mm x 700 mm
70-ton hook	1,200 kg	1,825 mm x 470 mm x 700 mm
100-ton hook	1,800 kg	2,025 mm x 555 mm x 700 mm
150-ton hook	2,300 kg	2,665 mm x 715 mm x 700 mm

Note: Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.



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