

HYDRAULIC CRAWLER CRANE

KOBELCO

CKE1800

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

Model: CKE1800-1F

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
Crane Boom	
Max. Lifting Capacity	160 t/4.4 m
Max. Length	85.3 m
Luffing Boom	
Max. Lifting Capacity	110 t/5.2 m
Max. Length	54.9 m
Long Boom	
Max. Lifting Capacity	40.1 t/12.0 m
Max. Length	85.3 m
Fixed Jib	
Max. Lifting Capacity	26.8 t/14.6 m
Max. Jib Length	30.5 m
Max. Combination	73.2 m + 30.5 m
Luffing Jib	
Max. Lifting Capacity	48.6 t/9.14 m
Jib Length	21.3 m ~ 51.8 m
Max. Combination	54.9 m + 51.8 m
Luffing Angle	60° ~ 88°
Power Plant	
Model	Hino P11C-UN (Comply with NRMM (Europe) Stage IIIA)
Engine Output	247 kW/2,000 min ⁻¹ {rpm} (ISO)
Fuel Tank Capacity	400 liters

Main & Aux. Winch	
Max. Line Speed	100 m/min (1st layer)
Rated Line Pull (Single line)	132 kN {13.5 tf}
Wire Rope Diameter	25 mm
Wire Rope Length	430 m (main) 335 m (aux.)
Brake Type	Spring set hydraulically released multiple disc brake (Negative)
Free Fall Brake Type	Wet-type multiple disc brake (Optional)
Working Speed	
Swing	2.6 min ⁻¹ {rpm}
Travel	1.1/0.7 km/h
Hydraulic System	
Pumps	4 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
Ground Pressure*	103 kPa {1.06 kgf/cm ² }
Counterweight	60.0 t (Upper) + 20.0 t (Lower)
Transportation Weight**	Approx. 43.5 t

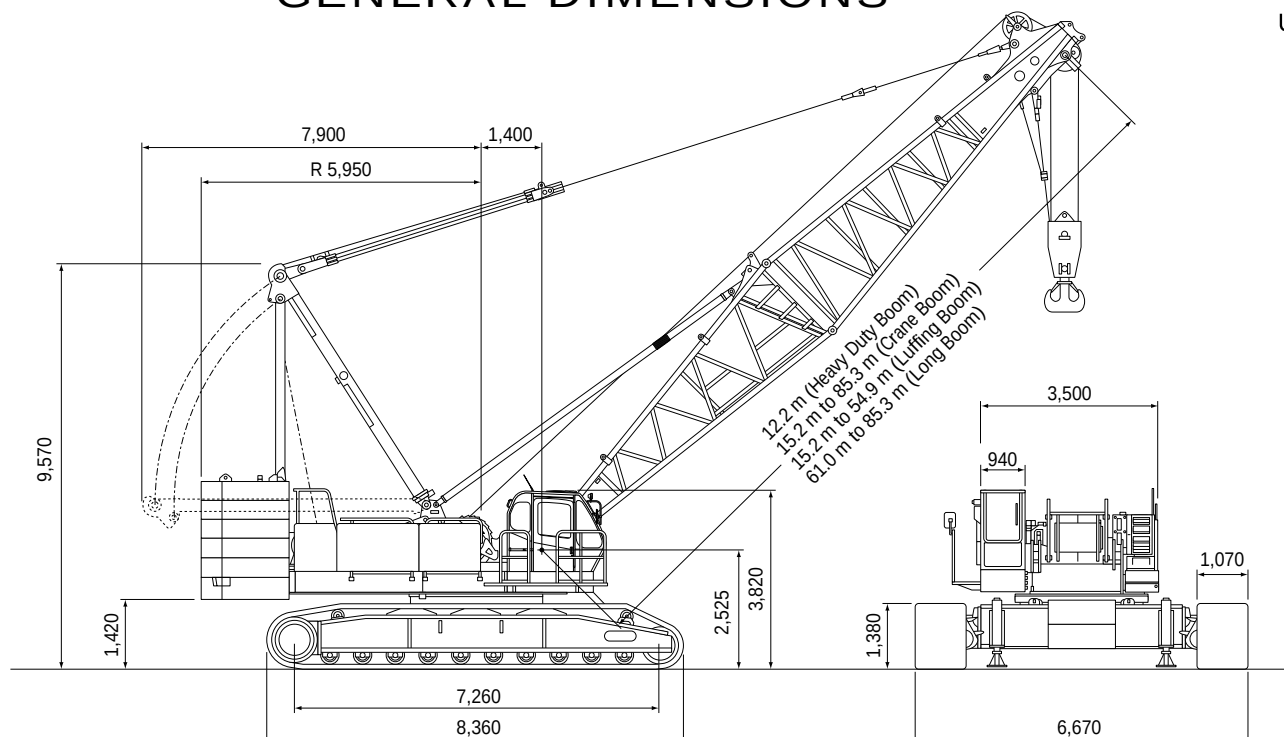
* Including upper and lower machine, 60.0 ton counterweight, 20.0 ton carbody weight, basic boom, hook, and other accessories.

** Base machine with boom base, trans-lifter, main and aux. winches including wire rope, and self-removal device

Units are SI units. {} indicates conventional units.

GENERAL DIMENSIONS

Unit: mm



KOBELCO CRANES CO., LTD.

CRANE BOOM LIFTING CAPACITY

(Counterweight: 60.0 t, Carbody weight: 20.0 t)

Unit: metric ton

Boom length (m)		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
Working radius (m)	3.0	3.75m/180.0																								
	4.0	171.5	4.4m/160.0	4.9m/144.2																						
	5.0	140.5	141.6	141.6	5.4m/131.4	5.9m/121.3																				
	6.0	119.1	119.3	119.3	119.3	119.3	6.4m/112.0	6.9m/103.9																		
	7.0	102.0	102.7	102.7	102.7	102.7	102.7	102.5	7.4m/97.1	7.9m/90.6																
	8.0	88.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	8.4m/80.3	8.9m/76.8															
	9.0	76.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.4	76.3	9.4m/70.6														
	10.0	67.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	70.2	68.4	66.6	65.4	10.5m/60.7	11.0m/56.4	11.5m/52.4										
	12.0	51.4	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58.2	57.8	56.5	55.1	54.0	52.8	51.5	50.5	48.3	12.5m/44.7	13.0m/41.2	13.5m/38.0					
	14.0	12.4m/50.0	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	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							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																							2.0		

- Note:** 1. Rating according to EN 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.
4. * With heavy duty boom top.

FIXED JIB LIFTING CAPACITY

(Counterweight: 60.0 t, Carbody weight: 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	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/2.1	2.4
78.0 m						77.7 m/2.0

Jib Offset Angle: 30°

Unit: metric ton

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

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

(Counterweight: 60.0 t, Carbody weight: 20.0 t, Without main hook)

Unit: metric ton

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		43.8		43.6		34.6						45.2		45.1		44.8							
16.0 m	36.3	40.1	36.2		35.9		33.6						37.1		37.0		36.8		33.7					
18.0 m	30.7	34.4	30.6		30.4		30.1		22.9				31.3	33.9	31.2		31.0		31.0		23.1			
20.0 m	26.5	30.1	26.4	29.9	26.2		25.9		21.3		16.4		26.9	29.7	26.9	29.4	26.7		26.9		21.4		16.5	
22.0 m	23.2	26.6	23.2	26.5	22.9	26.1	22.7		19.8		15.2		23.5	26.3	23.5	26.1	23.3	25.7	23.5		19.9		15.2	
24.0 m		23.9	20.5	23.7	20.3	23.6	20.1	23.1	18.5		14.1			23.6	20.8	23.4	20.6	23.2	20.7		18.6		14.2	
26.0 m		21.6	18.4	21.5	18.2	21.3	17.9	21.1	17.3	19.8	13.2			21.3	18.6	21.1	18.4	21.0	18.5	20.7	17.4		13.2	
28.0 m			16.6	19.5	16.4	19.4	16.1	19.2	16.1	18.5	12.3	14.0			16.7	19.2	16.6	19.1	16.6	18.9	16.3	18.6	12.3	
30.0 m				17.9	14.8	17.8	14.6	17.6	14.5	17.3	11.5	13.0				17.6	15.0	17.5	15.0	17.3	14.7	17.0	11.5	13.5
34.0 m				32.0 m/16.4	32.0 m/13.5	14.8	12.2	14.8	12.1	14.5	10.2	11.4				32.0 m/16.2	32.0 m/13.7	14.9	12.5	14.7	12.2	14.4	10.3	11.8
38.0 m						12.4	10.3	12.4	10.2	12.1	9.1	10.1						12.9	10.5	12.7	10.3	12.4	9.1	10.4
42.0 m								10.5	8.7	10.2	8.2	9.0								11.0	8.8	10.7	8.2	9.3
46.0 m								44.0 m/9.7	44.0 m/8.1	8.7	7.3	8.2								44.0 m/10.1	44.0 m/8.1	9.1	6.5	8.3
50.0 m										7.5	6.4	7.2										7.9	4.3	7.5
54.0 m												5.8												5.8
58.0 m												56.0 m/4.5												56.0 m/4.4

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										47.0		44.5									
14.0 m	45.5		45.3		40.1								40.9		40.3		35.2							
16.0 m	37.9		37.9		37.6		31.4						36.1		35.5		34.5		28.2					
18.0 m	31.9		31.9		31.7		30.8		23.2				32.2		31.6		31.0		27.7		22.5			
20.0 m	27.4	29.2	27.4	28.8	27.2		27.4		21.5		16.6		27.8	28.5	27.8		27.6		27.2		21.7		16.7	
22.0 m	23.8	25.9	23.9	25.6	23.7		23.9		20.0		15.3		24.2	25.4	24.2	25.0	24.1		24.2		20.2		15.4	
24.0 m		23.2	21.1	22.9	20.9	22.5	21.0		18.7		14.2			22.7	21.3	22.6	21.2		21.3		18.8		14.3	
26.0 m		20.9	18.8	20.7	18.6	20.6	18.7	20.0	17.6		13.2			20.5	19.0	20.4	18.9	20.1	19.0	19.6	17.6		13.3	
28.0 m		19.1	16.9	18.9	16.7	18.7	16.8	18.5	16.5	17.9	12.3			18.7	17.1	18.6	17.0	18.3	17.0	18.1	16.5		12.4	
30.0 m				17.3	15.1	17.1	15.2	16.9	14.9	16.6	11.6	32.0 m/13.1				17.0	15.4	16.8	15.4	16.5	15.1	15.9	11.6	
34.0 m				14.7	32.0 m/13.8	14.6	12.6	14.4	12.3	14.1	10.3	12.2				14.5	32.0 m/13.9	14.3	12.7	14.0	12.4	13.8	10.3	11.7
38.0 m					12.6	10.6	12.4	10.4	12.2	9.1	10.7						12.3	10.7	12.1	10.4	11.8	9.2	10.3	
42.0 m								10.9	8.8	10.6	8.2	9.5						40.0 m/11.5		10.6	8.9	10.3	8.2	9.3
46.0 m								44.0 m/10.2	44.0 m/8.2	9.4	6.1	8.5								9.4	44.0 m/8.2	9.1	5.8	8.3
50.0 m										8.2	3.9	7.7										8.1	3.5	7.5
54.0 m												5.8										52.0 m/7.6		5.8
58.0 m												56.0 m/4.3												3.0

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	47.0																							
12.0 m	40.6		38.2										33.7		32.6									
14.0 m	35.6		34.5		30.8								29.8		28.8		26.9							
16.0 m	31.6		30.7		29.8		25.1						26.7		25.6		24.7		22.2					
18.0 m	28.4		27.5		26.7		24.6		20.3				24.1		23.1		22.1		21.2		18.2			
20.0 m	25.8	27.9	24.9		24.1		23.5		20.0		16.5		21.9		21.0		20.0		19.2		17.9		14.9	
22.0 m	23.5	24.9	22.7		21.9		21.3		19.6		15.5		20.2	24.1	19.2		18.2		17.5		16.7		14.6	
24.0 m	21.3	22.3	20.8	22.1	20.1		19.5		18.8		14.4		18.7	21.9	17.6	21.3	16.7		16.0		15.2		14.3	
26.0 m		20.1	19.2	20.0	18.5	19.4	17.9		17.2		13.3			19.8	16.3	19.5	15.4	18.8	14.7		14.0		13.2	
28.0 m		18.3	17.2	18.2	17.1	17.9	16.5	17.3	15.8		12.5			18.0	15.2	17.7	14.3	17.4	13.6		12.9		12.1	
30.0 m		16.7		16.6	15.4	16.4	15.3	16.1	14.7	32.0 m/14.5	11.7			16.5	14.2	16.2	13.3	15.9	12.6	15.7	11.9	32.0 m/13.7	11.2	
34.0 m				14.2	12.8	13.9	12.8	13.7	12.7	13.4	10.3	13.1		32.0 m/15.2		13.8	11.6	13.5	11.0	13.3	10.3	12.8	9.6	11.7
38.0 m					12.0	10.7	11.8	10.8	11.5	9.2	11.2				36.0 m/12.8		11.7	9.7	11.5	9.0	11.0	8.3	10.2	
42.0 m					40.0 m/11.2		10.3	9.2	10.0	8.2	9.7						10.2	40.0 m/9.1	10.0	7.9	9.6	7.2	8.8	
46.0 m							9.1	44.0 m/8.5	8.8	5.5	8.5								8.8	44.0 m/7.4	8.4	5.2	7.7	
50.0 m									7.8	3.2	7.5									48.0 m/8.3		7.5	2.8	6.8
54.0 m									52.0 m/7.4		5.9											6.7		6.0
58.0 m											3.0													3.1

Note: 1. Rating according to EN 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

HEAVY DUTY BOOM ARRANGEMENT

Boom length m (ft)	Boom arrangement
12.2 (40)	Base-HD

Base = 8.5 m (28'), HD = 3.7 m (12')

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 = 8.5 m (28'), Tip = 6.7 m (22')

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 = 4.6 m (15'), Tip = 4.6 m (15')

Insert Jib

A = 3.0 m (10'), B = 6.1 m (20')

Crane boom length for fixed jib mounting are 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-T-Ltip
64.0 (210)	Base-A-A-C-C-C-T-A1-Ltip
67.1 (220)	Base-A-A-C-C-C-T-A1-A1-Ltip, Base-A-A-C-C-C-T-B1-Ltip
70.1 (230)	Base-A-A-C-C-C-T-A1-B1-Ltip, Base-A-A-C-C-C-T-C1-Ltip
73.2 (240)	Base-A-A-C-C-C-T-A1-A1-B1-Ltip, Base-A-A-C-C-C-T-A1-C1-Ltip
76.2 (250)	Base-A-A-C-C-C-T-A1-A1-C1-Ltip, Base-A-A-C-C-C-T-B1-C1-Ltip
79.3 (260)	Base-A-A-C-C-C-T-A1-B1-C1-Ltip, Base-A-A-C-C-C-T-C1-C1-Ltip
82.3 (270)	Base-A-A-C-C-C-T-A1-A1-B1-C1-Ltip, Base-A-A-C-C-C-T-A1-C1-C1-Ltip
85.3 (280)	Base-A-B-C-C-C-T-A1-A1-B1-C1-Ltip, Base-A-B-C-C-C-T-A1-C1-C1-Ltip

Base Boom Length and Long Boom Tip Length

Base = 8.5 m (28'), Ltip = 6.4 m (21')

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') T = 3.6 m (12') Tapered Boom

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 = 3.7 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 = 3.7 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

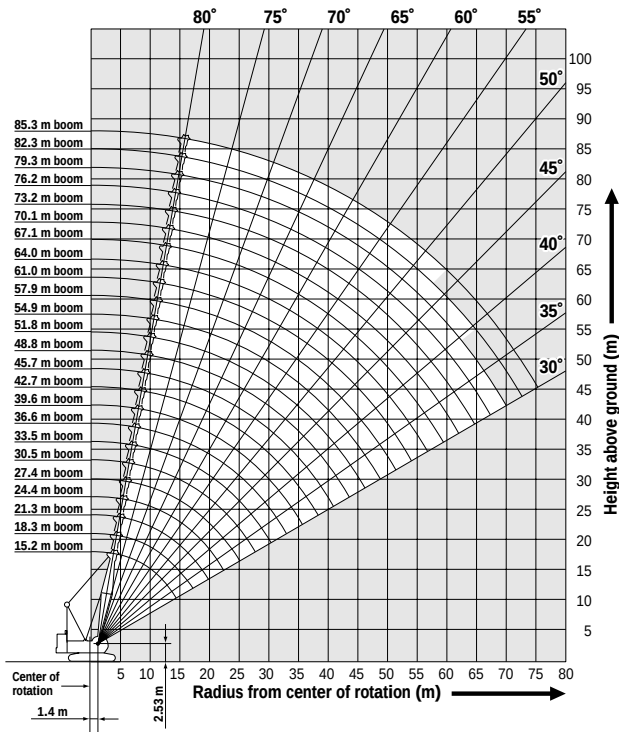
Base = 5.8 m (19'), Ltip = 6.4 m (21')

Insert Luffing Jib

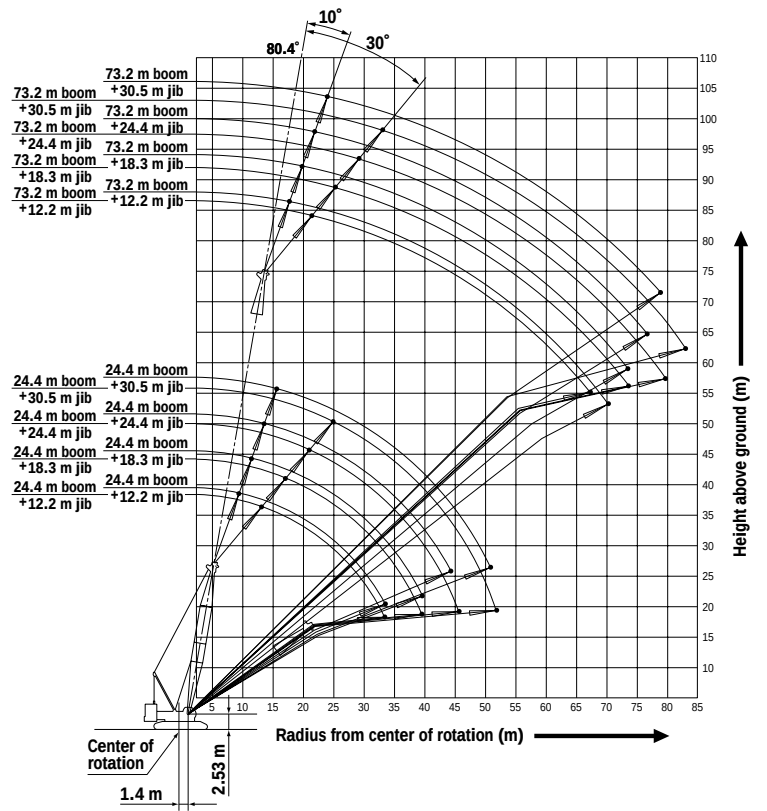
A1 = 3.0 m (10'), B1 = 6.1 m (20'), C1 = 9.1 m (30')

WORKING RANGES

CRANE BOOM

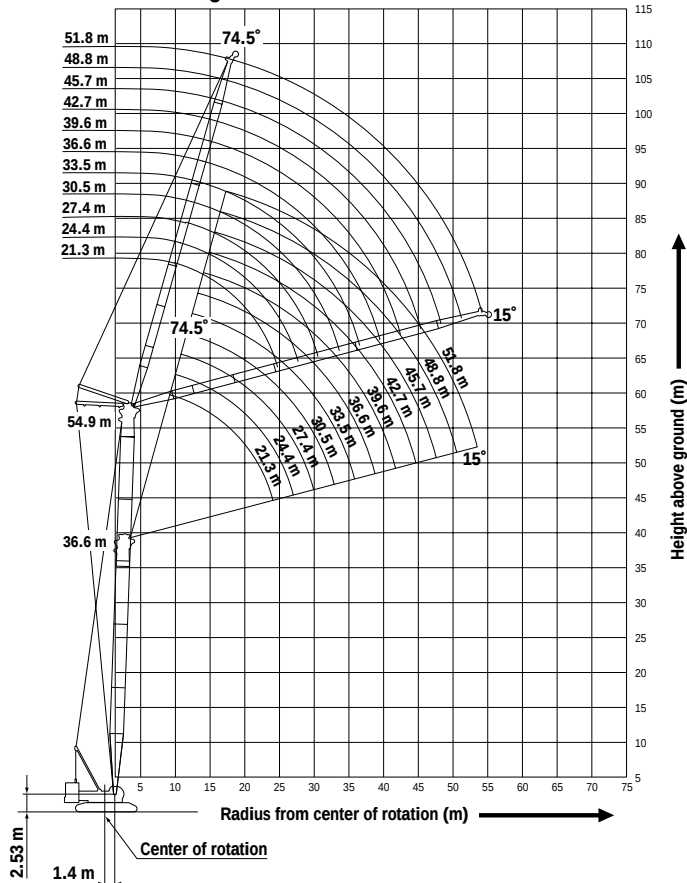


FIXED JIB (Jib Offset Angle: 10°, 30°)

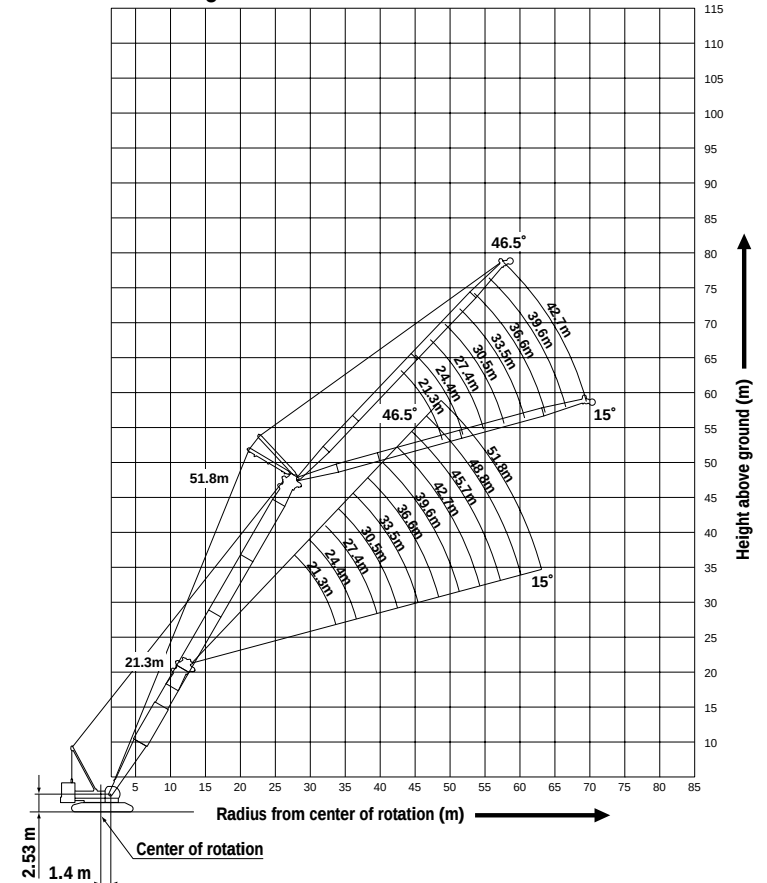


LUFFING JIB

Boom Angle: 88°



Boom Angle: 60°

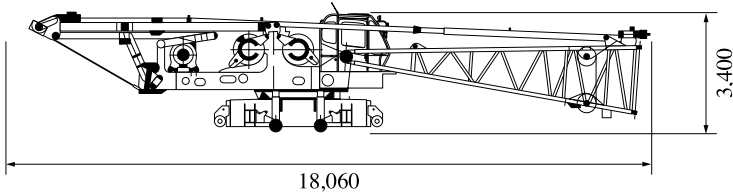


PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

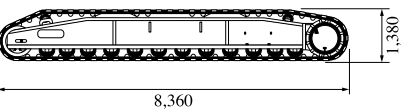
Base Machine

With boom base, trans-lifter, main and aux. winches (non free-fall) including wire rope, self removal device
Weight: 43,450 kg*, Width: 3,500 mm



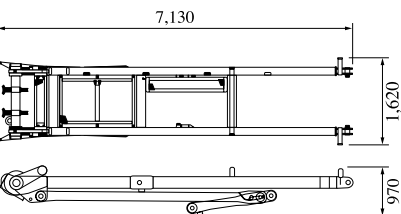
Crawler

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



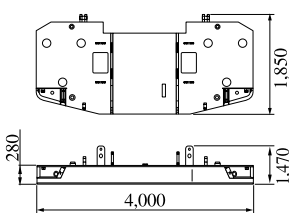
Gantry

Weight: 2,700 kg



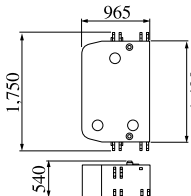
Counterweight A

Weight: 10,000 kg



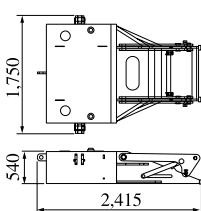
Counterweight B

Weight: 5,000 kg x 10 pieces



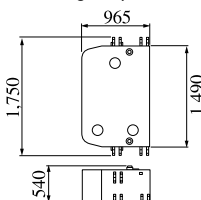
Carbody Weight A

Weight: 5,000 kg x 2 pieces



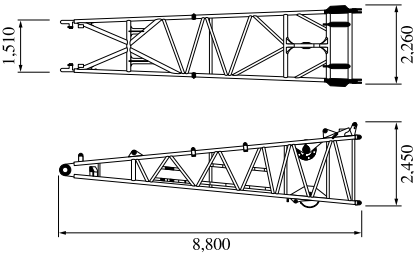
Carbody Weight B

Weight: 5,000 kg x 2 pieces



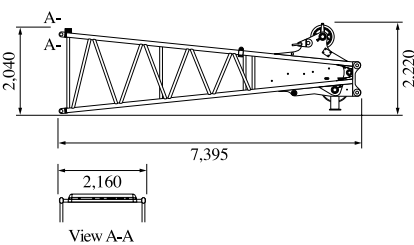
Boom Base

Weight: 2,620 kg

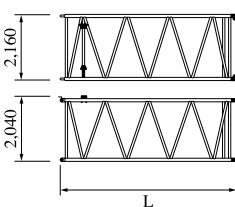


Boom Top

Weight: 2,240 kg (with Guy Cables)



Insert Boom

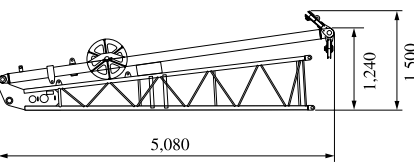


	L (mm)	Weight (kg)*
3.0 m	3,180	630 kg
6.1 m	6,230	1,030 kg
9.1 m	9,280	1,420 kg
12.2 m	12,320	1,680 kg

* with guy cables

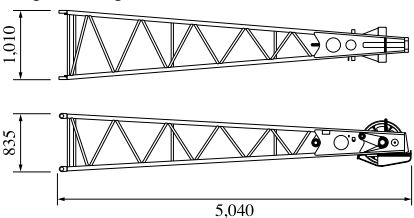
Jib Base with Strut (For Crane)

Weight: 510 kg, Width: 1,040 mm



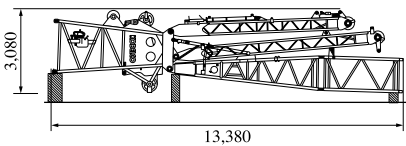
Jib Top (For Crane)

Weight: 315 kg



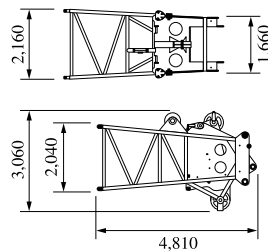
Travel Kit Assembly

Weight: 6,600 kg



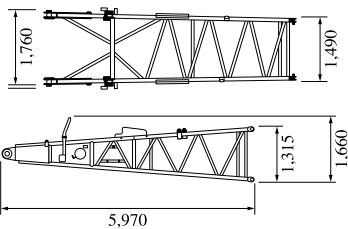
Luffing Boom Top

Weight: 2,545 kg



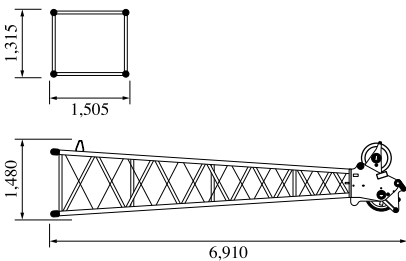
Luffing Jib Base

Weight: 1,140 kg



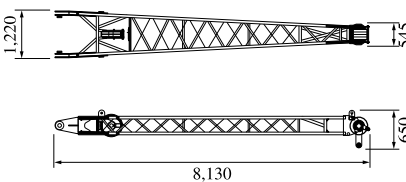
Luffing Jib Top

Weight: 1,170 kg



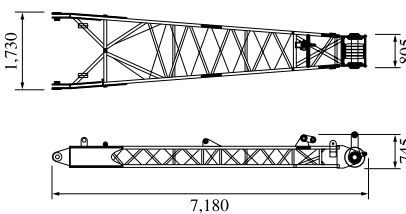
Front Strut (Luffing Jib)

Weight: 1,000 kg



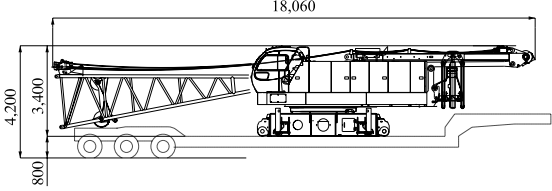
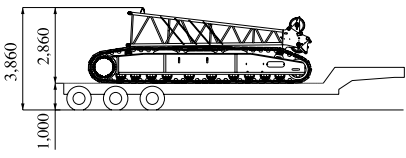
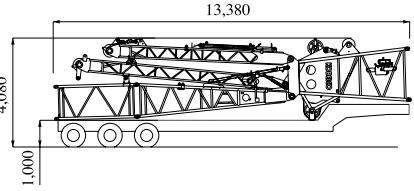
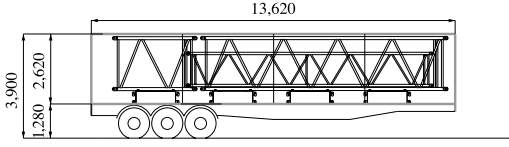
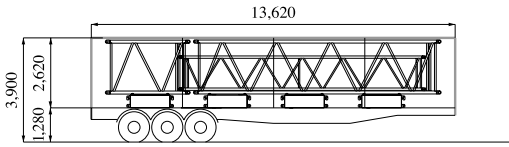
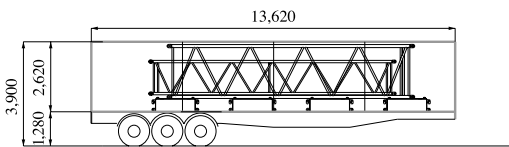
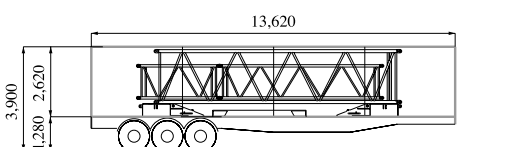
Rear Strut (Luffing Jib)

Weight: 1,090 kg



TRANSPORTATION PLAN

(Luffing 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 =	17.16 ton 17.16 ton 1.17 ton 35.49 ton
No.3 Semi Loader 	Travel Kit Assembly =	6.60 ton
No. 4 Tent Side Truck 	Counterweight B (4 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = 3.0 m Insert Boom x 1 = Total =	20.00 ton 1.42 ton 0.74 ton 0.63 ton 22.79 ton
No.5 Tent Side Truck 	Counterweight B (4 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = 3.0 m Insert Boom x 1 = Total =	20.00 ton 1.42 ton 0.74 ton 0.63 ton 22.79 ton
No.6 Tent Side Truck 	Counterweight B (2 x 5.00 ton) = Carbody Weight B (2 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = Total =	10.00 ton 10.00 ton 1.42 ton 0.74 ton 22.16 ton
No.7 Tent Side Truck 	Counterweight A = 9.1 m Insert Boom x 1 = 6.1 m Luffing Insert Jib x 1 = 3.0 m Luffing Insert Jib x 1 = Carbody Weight A (2x5.00 ton) = Total =	10.00 ton 1.42 ton 0.54 ton 0.31 ton 10.00 ton 22.27 ton

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

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

OTHER ATTACHMENTS

CKE1800

Attachments	Weight	Dimensions (L x W x H)
Base machine (without base boom)	38,150 kg	10,700 mm x 3,500 mm x 3,390 mm
Trans-lifter	360 kg	1,050 mm x 1,030 mm
Boom backstop	740 kg / 1 piece	7,090 mm x 360 mm
3.0 m insert jib (for crane)	110 kg	3,130 mm x 1,020 mm x 840 mm
6.1 m insert jib (for crane)	190 kg	6,175 mm x 1,020 mm x 840 mm
Auxiliary sheave	295 kg	2,030 mm x 740 mm x 720 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 luffing Insert jib	310 kg	3,165 mm x 1,490 mm x 1,290 mm
6.1 m luffing Insert jib	540 kg	6,210 mm x 1,490 mm x 1,290 mm
9.1 m luffing Insert jib	740 kg	9,260 mm x 1,490 mm x 1,290 mm
Luffing jib backstop	100 kg / 1 piece	2,940 mm x 210 mm x 230 mm
Strut backstop (luffing jib)	180 kg / 1 piece	2,890 mm x 270 mm
Auxiliary sheave (luffing jib)	380 kg	1,010 mm x 890 mm x 910 mm
Luffing jib drum	1,470 kg	840 mm x 1,620 mm x 900 mm
180-ton hook	2,800 kg	2,225 mm x 700 mm x 1,000 mm
110-ton hook	1,730 kg	2,140 mm x 540 mm x 700 mm
70-ton hook	1,200 kg	1,825 mm x 470 mm x 700 mm
35-ton hook	900 kg	1,575 mm x 365 mm x 700 mm
Ball hook	460 kg	1,200 mm x 380 mm dia.

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

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