



HYDRAULIC CRAWLER CRANE

KOBELCO

CKE2000

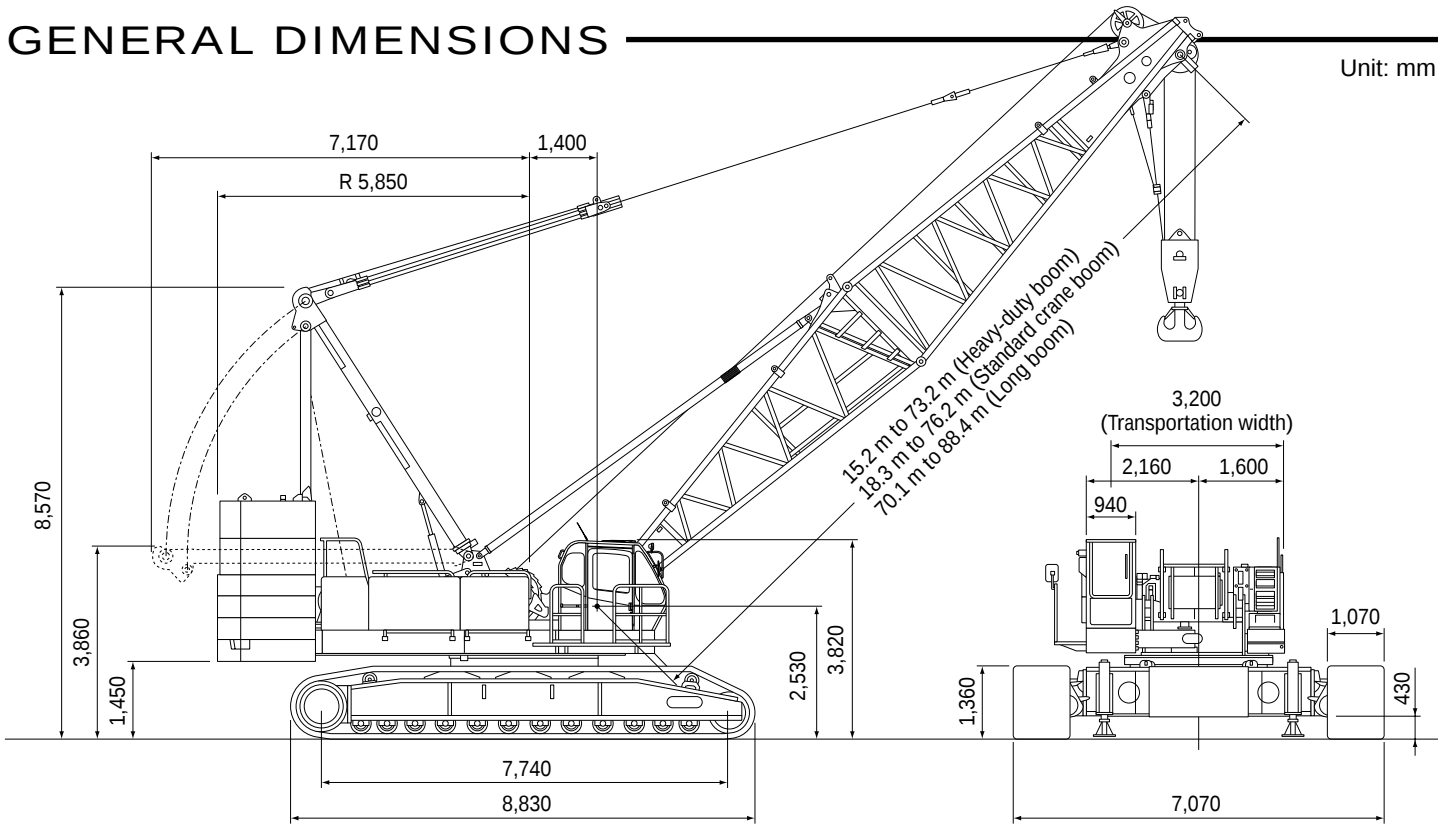
Max. Lifting Capacity: 200 t
Max. Boom Length: 88.4 m
Max. Fixed Jib Combination: 73.2 + 30.5 m
Max. Luffing Jib Combination: 58.0 + 48.8 m

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

Heavy-duty Boom	
Max. Lifting Capacity	200 t/5.0 m (Heavy Boom)
Max. Length	73.2 m
Standard Crane Boom	
Max. Lifting Capacity	150 t/6.5 m
Max. Length	76.2 m
Fixed Jib	
Max. Lifting Capacity	20.5 t / 13.0 m
Max. Combination	73.2 m + 30.5 m
Long Boom	
Max. Length	88.4 m
Luffing Jib	
Max. Combination	58.0 m + 48.8 m
Main & Aux. Winch	
Max. Line Speed	110 m/min (1st layer)
Rated Line Pull	132 kN (13.5 tf)
Max. Line Pull	245 kN (25 tf)
Wire Rope	28 mm
Wire Rope Length	370 m (Main) 210 m (Aux.)
Brake Type	Wet-type multiple disc brake
Free-Fall	Option

Working Speed	
Swing Speed	2.1 min ⁻¹ (rpm)
Travel Speed	1.1/0.7 km/h
Power Plant	
Model	Mitsubishi 6D24-TLU2D
Engine Output	235 kW/2,000 min ⁻¹ (rpm)
Fuel Tank Capacity	400 liters
Hydraulic System	
Main Pumps	4 variable displacement
Max. Pressure	30.9 MPa (315 kgf/cm ²)
Hydraulic Tank Capacity	550 liters
Weight	
Operating Weight	Approx. 197.0 t
Counterweight	82.2 t (upper), 20.0 t (lower)
Transport Weight	35.9 t (Main machine and carbody)
Ground Pressure	110 kPa (1.12 kgf/cm ²)

GENERAL DIMENSIONS



KOBELCO CRANES CO., LTD.

MAIN BOOM LIFTING CAPACITY

Rated loads in metric tons for 360° working area (Heavy-duty boom, Counterweight: 82.2 t, Carbody weight: 20.0 t) Crawlers fully extended

Boom length m (ft)		18.3 (60)	21.3 (70)	24.4 (80)	27.4 (90)	30.5 (100)	33.5 (110)	36.6 (120)	39.6 (130)	42.7 (140)	45.7 (150)	48.8 (160)	51.8 (170)	54.9 (180)	57.9 (190)	61.0 (200)	64.0 (210)	67.1 (220)	70.1 (230)	73.2 (240)
Working radius (m)	5.0	5.0/200.0																		
	5.5	182.0	5.5/182.0																	
	6.0	168.0	168.0	6.0/167.0																
	6.5	156.0	156.0	155.0	6.5/155.0															
	7.0	144.5	144.5	144.5	143.5															
	7.5	135.5	135.5	135.5	134.5	7.5/134.5														
	8.0	127.5	127.5	126.5	126.5	126.5	8.0/123.5													
	9.0	111.5	113.5	113.5	112.5	111.5	108.5	9.0/105.5	9.0/102.5											
	10.0	98.3	100.5	101.5	101.5	99.2	96.7	94.2	91.7	10.0/89.3	10.0/83.0									
	11.0	86.7	88.9	90.2	90.9	89.1	86.9	84.9	82.7	80.6	78.9	11.0/72.4	11.0/64.5							
	12.0	77.0	79.2	80.8	82.2	80.7	78.9	77.1	75.3	73.5	71.9	70.3	63.3	12.0/56.2	12.0/50.9					
	13.0	69.1	71.2	72.7	74.0	73.3	72.2	70.6	69.0	67.4	66.0	64.6	62.2	55.1	49.9	13.0/45.0	13.0/40.7			
	14.0	62.4	64.4	65.8	67.1	67.1	66.4	65.0	63.6	62.1	60.9	59.7	58.4	54.1	49.0	44.2	39.9	14.0/36.0	14.0/32.4	
	15.0	56.6	58.7	60.0	61.3	61.0	60.9	60.2	58.9	57.6	56.5	55.4	54.2	53.1	48.1	43.4	39.2	35.3	31.8	15.0/28.7
	16.0	16.0/51.5	53.7	55.0	56.2	56.0	55.8	55.7	54.9	53.6	52.7	51.6	50.5	49.7	47.2	42.7	38.5	34.7	31.2	28.1
	18.0		45.5	46.9	47.9	47.7	47.6	47.4	47.2	46.9	46.2	45.3	44.3	43.6	42.6	41.2	37.2	33.4	30.1	27.1
	20.0		20.0/38.6	40.4	41.5	41.5	41.3	41.2	40.9	40.6	40.5	40.2	39.3	38.7	37.8	37.3	35.9	32.2	29.0	26.0
	22.0			22.0/35.0	36.3	36.6	36.5	36.3	36.0	35.7	35.5	35.3	35.1	34.7	33.9	33.4	32.7	31.1	27.9	25.1
	24.0				24.0/31.9	32.6	32.5	32.3	32.0	31.7	31.5	31.3	31.0	31.0	30.6	30.1	29.5	28.8	26.9	24.1
	26.0					26.0/29.0	29.2	29.0	28.7	28.4	28.3	28.0	27.7	27.6	27.3	27.2	26.7	26.0	25.7	23.3
	28.0						26.5	26.3	26.0	25.7	25.5	25.3	25.0	24.8	24.5	24.4	24.2	23.7	23.4	22.4
	30.0						30.0/24.2	24.0	23.6	23.3	23.1	22.9	22.6	22.5	22.2	22.0	21.8	21.4	21.4	20.8
	32.0							32.0/22.0	21.6	21.3	21.1	20.9	20.6	20.5	20.1	20.0	19.7	19.4	19.3	19.0
	34.0								34.0/19.9	19.6	19.4	19.1	18.8	18.7	18.3	18.2	18.0	17.6	17.5	17.2
	36.0									18.0	17.8	17.5	17.2	17.1	16.8	16.7	16.4	16.1	16.0	15.6
	38.0									38.0/16.7	16.5	16.2	15.9	15.8	15.4	15.3	15.0	14.7	14.6	14.3
	40.0										40.0/15.3	15.0	14.7	14.5	14.2	14.0	13.8	13.4	13.4	13.0
	42.0											42.0/13.9	13.6	13.4	13.1	12.9	12.7	12.3	12.2	11.9
	44.0												12.6	12.5	12.1	11.9	11.7	11.3	11.2	10.9
	46.0												46.0/11.8	11.6	11.2	11.1	10.8	10.4	10.3	10.0
	48.0													48.0/10.8	10.4	10.2	10.0	9.6	9.5	9.2
	50.0														50.0/9.7	9.5	9.2	8.9	8.8	8.4
	52.0															8.8	8.6	8.2	8.1	7.7
	54.0																54.0/8.2	8.0	7.6	7.1
	56.0																	56.0/7.4	7.0	6.5
	58.0																		58.0/6.5	6.3
	60.0																			5.9
	62.0																		62.0/5.4	5.0
	64.0																			64.0/4.6

Note: 1. Rating according to DIN 15018/3 (class B2, hoist class H1) and prEN 13000.
2. Heavy-duty boom top is required for the load exceed 150t.
3. Rating shown in are determined by the strength of the boom or other structural components.
4. Instruction in the operator's manual must be strictly observed when operating the machine.

FIXED JIB LIFTING CAPACITY

(standard crane boom, counterweight: 82.2 t, carbodyweight: 20.0 t, without main hook)

Jib Offset Angle: 10°

Jib Offset Angle: 30°

Boom length	39.6 m		54.9 m		73.2 m	
Jib length	12.2 m	30.5 m	12.2 m	30.5 m	12.2 m	30.5 m
13.0 m	13.0 m/20.5					
14.0 m	20.3					
15.0 m	20.1		15.0m/20.6			
16.0 m	19.9		20.4			
18.0 m	19.5		20.1			
20.0 m	19.1	20.0 m/5.7	19.8		20.0 m/20.2	
22.0 m	18.1	5.6	19.5	22.0 m/5.7	19.6	
24.0 m	16.9	5.5	19.2	5.6	19.0	
26.0 m	15.9	5.4	18.8	5.5	18.4	26.0 m/5.6
28.0 m	15.0	5.3	17.8	5.4	17.9	5.5
30.0 m	14.3	5.2	17.0	5.4	17.4	5.5
34.0 m	12.9	5.1	15.4	5.3	16.5	5.4
38.0 m	11.8	5.0	14.2	5.1	15.3	5.3
42.0 m	10.9	4.9	13.1	5.0	13.4	5.2
46.0 m	44.0 m/10.5	4.7	12.2	4.9	11.5	5.1
50.0 m		4.4	11.2	4.8	9.9	5.0
54.0 m		4.1	10.0	4.7	8.5	4.9
58.0 m		3.8	8.9	4.5	7.3	4.8
62.0 m		60.0 m/3.7	60.0 m/8.3	4.2	6.3	4.7
66.0 m				4.0	5.4	4.6
70.0 m				3.8	4.6	4.4
74.0 m				3.6	3.9	4.2
78.0 m				76.0 m/3.5	76.0 m/3.6	3.0
82.0 m						3.5
86.0 m						2.0
90.0 m						2.6
94.0 m						92.0 m/2.3

Boom length	39.6 m		54.9 m		73.2 m	
Jib length	12.2 m	30.5 m	12.2 m	30.5 m	12.2 m	30.5 m
18.0 m	18.0 m/11.5					
20.0 m	11.0		20.0 m/11.9			
22.0 m	10.5		11.5		22.0 m/12.2	
24.0 m	10.1		11.1		11.8	
26.0 m	9.8		10.7		11.5	
28.0 m	9.4	28.0 m/4.2	10.4		11.2	
30.0 m	9.2	4.1	10.1	32.4 m/4.2	10.9	
34.0 m	8.7	3.8	9.6	4.1	10.4	36.0 m/4.1
38.0 m	8.3	3.5	9.1	3.8	9.9	4.0
42.0 m	8.0	3.3	8.8	3.5	9.5	3.8
46.0 m	7.8	3.1	8.5	3.4	9.2	3.6
50.0 m	48.0 m/7.7	2.9	8.2	3.2	8.9	3.4
54.0 m		2.8	8.0	3.1	8.4	3.3
58.0 m		2.7	7.9	3.0	7.6	3.2
62.0 m		2.6	60.0 m/7.8	2.9	6.5	3.1
66.0 m		64.0 m/2.6		2.8	5.6	3.0
70.0 m				2.7	4.8	2.9
74.0 m				2.6	4.1	2.8
78.0 m				76.0 m/2.5	76.0 m/3.7	2.7
82.0 m						2.6
86.0 m						2.5
90.0 m						2.4
94.0 m						92.0 m/2.3



BOOM ARRANGEMENT

BOOM ARRANGEMENT CHART

HEAVY-DUTY BOOM

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

STANDARD CRANE BOOM

Boom length m (ft)	Boom arrangement
18.3 (60)	Base-T-Tip(Li)
21.3 (70)	Base-A-T-Tip(Li)
24.4 (80)	Base-A-A-T-Tip(Li)
27.4 (90)	Base-A-B-T-Tip(Li)
30.5 (100)	Base-A-A-B-T-Tip(Li)
33.5 (110)	Base-A-B-B-T-Tip(Li)
36.6 (120)	Base-A-B-C-T-Tip(Li)
39.6 (130)	Base-A-A-B-C-T-Tip(Li)
42.7 (140)	Base-A-B-B-C-T-Tip(Li)
45.7 (150)	Base-A-B-C-C-T-Tip(Li)
48.8 (160)	Base-A-A-B-C-C-T-Tip(Li)
51.8 (170)	Base-A-B-B-C-C-T-Tip(Li)
54.9 (180)	Base-A-B-C-C-C-T-Tip(Li)
57.9 (190)	Base-A-A-B-C-C-C-T-Tip(Li)
61.0 (200)	Base-A-B-B-C-C-C-T-Tip(Li)
64.0 (210)	Base-A-B-C-C-C-C-T-Tip(Li)
67.1 (220)	Base-A-A-B-C-C-C-C-T-Tip(Li)
70.1 (230)	Base-A-B-B-C-C-C-C-T-Tip(Li)
73.2 (240)	Base-A-B-C-C-C-C-C-T-Tip(Li)
76.2 (250)	Base-A-A-B-C-C-C-C-C-T-Tip(Li), Base-C'-A-A-B-C-C-C-C-T-Tip(Li)

LONG BOOM
ARRANGEMENT CHART

Boom length m (ft)	Boom arrangement
70.1 (230)	Base-A-B-C-C-C-C-T-D-Tip(Lg)
73.2 (240)	Base-A-A-B-C-C-C-C-T-D-Tip(Lg)
76.2 (250)	Base-A-A-B-C-C-C-C-T-D-E-Tip(Lg)
79.2 (260)	Base-A-A-B-C-C-C-C-T-D-F-Tip(Lg)
82.3 (270)	Base-A-A-B-C-C-C-C-T-D-E-F-Tip(Lg)
85.3 (280)	Base-A-A-B-C-C-C-C-T-D-E-G-Tip(Lg)
88.4 (290)	Base-A-A-B-C-C-C-C-T-D-F-G-Tip(Lg), Base-C'-B-B-C-C-C-C-T-D-F-G-Tip(Lg)

Note:
Base Boom Length and Boom Tip Length:
Base = 7.6 m (25')
Tip = 7.6 m (25'), Tip(Li) = 5.2 m (17'), Tip(Lg) = 8.3 m (28')
Insert Boom:
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30')
C' = 9.1 m (30') : Insert boom for tower, with guide sheave
T = 5.4 m (18') : Insert tapered boom
D = 3.0 m (10') : mid-point boom
E = 3.0 m (10'), F = 6.0 m (20'), G = 9.0 m (30')
*E, F and G: combined use with insert jib for tower

TOWER & JIB ARRANGEMENT

TOWER ARRANGEMENT CHART

Boom length m (ft)	Boom arrangement
36.6 (120)	Base-C'-C-C-Cap
39.7 (130)	Base-C'-A-C-C-Cap
42.7 (140)	Base-C'-A-C-C-A-Cap
45.8 (150)	Base-C'-A-B-C-C-Cap
48.8 (160)	Base-C'-A-A-B-C-C-Cap
51.9 (170)	Base-C'-A-B-C-B-C-Cap
54.9 (180)	Base-C'-A-B-C-C-C-Cap
58.0 (190)	Base-C'-A-A-B-C-C-C-Cap

Note: Base Boom Length and Tower Cap Length:
Base = 6.1 m (20'), Cap = 1.6 m (5')
Insert Tower:
A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30')
C' = 9.1 m (30') : Insert tower jib, with guide sheave

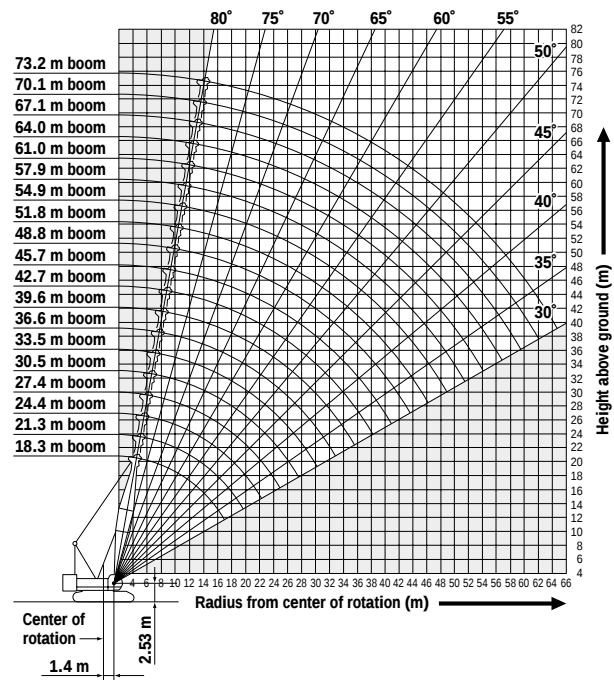
JIB ARRANGEMENT CHART

Jib length m (ft)	Tower jib arrangement
27.4 (90)	Base-D-F-Tip(Lg)
33.5 (110)	Base-D-E-E-F-Tip(Lg)
36.6 (120)	Base-D-E-F-F-Tip(Lg)
39.6 (130)	Base-D-E-F-G-Tip(Lg)
42.7 (140)	Base-D-E-E-F-G-Tip(Lg)
45.7 (150)	Base-D-E-F-F-G-Tip(Lg)
48.8 (160)	Base-D-E-F-G-G-Tip(Lg)

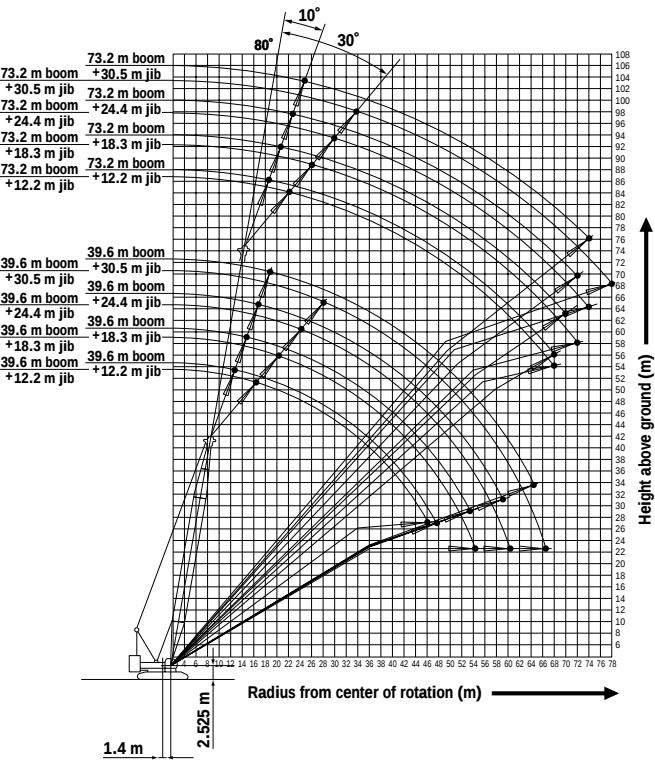
Note: Base Jib Length and Jib Tip Length:
Base = 10.0 m (33'), Tip(Lg) = 8.3 m (28')
Insert jib:
D = 3.0 m (10') : mid-point boom,
E = 3.0 m (10'), F = 6.0 m (20'), G = 9.0 m (30')

WORKING RADIUS

CRANE BOOM



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



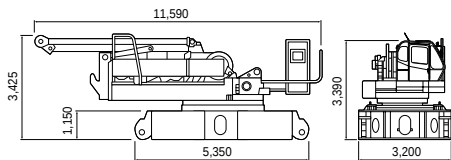


CKE2000

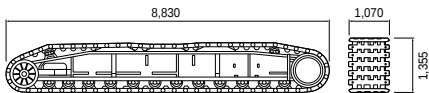
SPECIFICATIONS OF PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

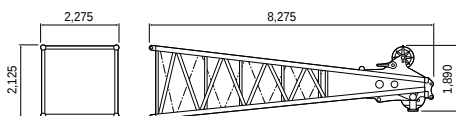
Base Machine and Carbody
weight: 35,900 kg



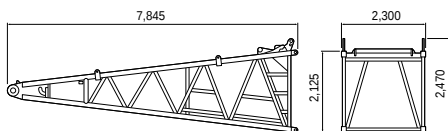
Crawlers
weight: 23,600 kg



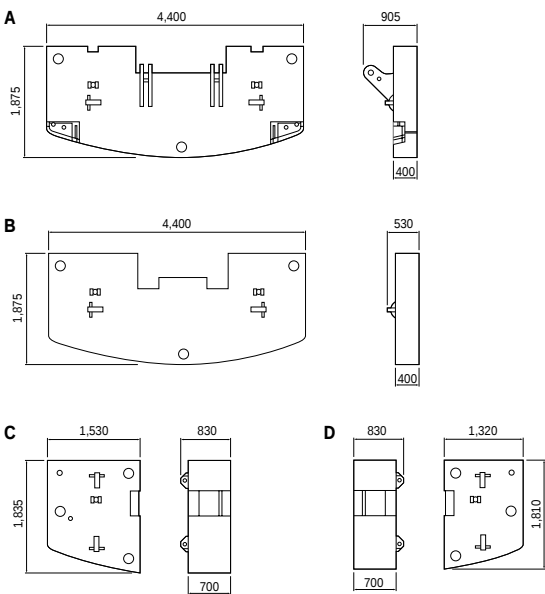
Heavy-duty Upper Boom
weight: 3,000 kg



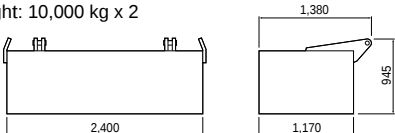
Lower Boom
weight: 2,430 kg



Counterweights
Total weight: 82,200 kg (A 13,500 kg + B 12,500 kg x 3 + C 8,400 kg x 2 + D 7,200 kg x 2)



Carbody weight
weight: 10,000 kg x 2



OTHER ATTACHMENTS

Attachment	Weight	Dimensions (L x W x H)
3.0 m (10 ft) Insert Boom	610 kg	3,175 mm x 2,275 mm x 2,125 mm
6.1 m (20 ft) Insert Boom	1,030 kg	6,225 mm x 2,275 mm x 2,125 mm
9.1 m (30 ft) Insert Boom	1,450 kg	9,270 mm x 2,275 mm x 2,125 mm
9.1 m insert tower	1,750 kg	9,270 mm x 2,275 mm x 2,125 mm
Light-duty boom tip	2,100 kg	5,725 mm x 1,525 mm x 1,525 mm
5.4 (18 ft) m insert tapered boom	840 kg	5,570 mm x 2,275 mm x 2,125 mm
Upper tower jib tip (Long boom tip)	990 kg	8,810 mm x 1,505 mm x 1,515 mm
Tower cap	2,100 kg	5,545 mm x 2,340 mm x 2,295 mm
Tower jib base	1,600 kg	10,380 mm x 2,335 mm x 1,525 mm
3.0 (10 ft) mid-point jib	320 kg	3,150 mm x 1,510 mm x 1,510 mm
3.0 m (10 ft) insert tower jib	320 kg	3,150 mm x 1,510 mm x 1,510 mm
6.1 m (20 ft) insert tower jib	535 kg	6,210 mm x 1,510 mm x 1,510 mm
9.1 m (30 ft) insert tower jib	755 kg	9,260 mm x 1,510 mm x 1,510 mm
Gantry	2,500 kg	6,110 mm x 1,760 mm x 820 mm
Tower strut	2,050 kg	7,410 mm x 2,380 mm x 1,125 mm
Upper spreader	635 kg	885 mm x 2,350 mm x 335 mm
Lower spreader	440 kg	855 mm x 1,500 mm x 320 mm
Upper spreader for tower jib	260 kg	1,020 mm x 245 mm x 765 mm
Lower spreader for tower jib	460 kg	2,275 mm x 690 mm x 835 mm
200-ton hook block	2,800 kg	700 mm x 995 mm x 2,225 mm
150-ton hook block	2,300 kg	700 mm x 715 mm x 2,665 mm
100-ton hook block	1,800 kg	700 mm x 555 mm x 2,025 mm
65-ton hook block	1,200 kg	700 mm x 385 mm x 1,815 mm
35-ton hook block	900 kg	700 mm x 365 mm x 1,575 mm
13.5-ton ball-hook	450 kg	1,200 mm x 380 mm dia.

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



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