



HYDRAULIC CRAWLER CRANE

KOBELCO

CKE600

Max. Lifting Capacity: 60 t
Max. Boom Length: 51.8 m
Max. Fixed Jib Combination: 39.6 + 18.3 m

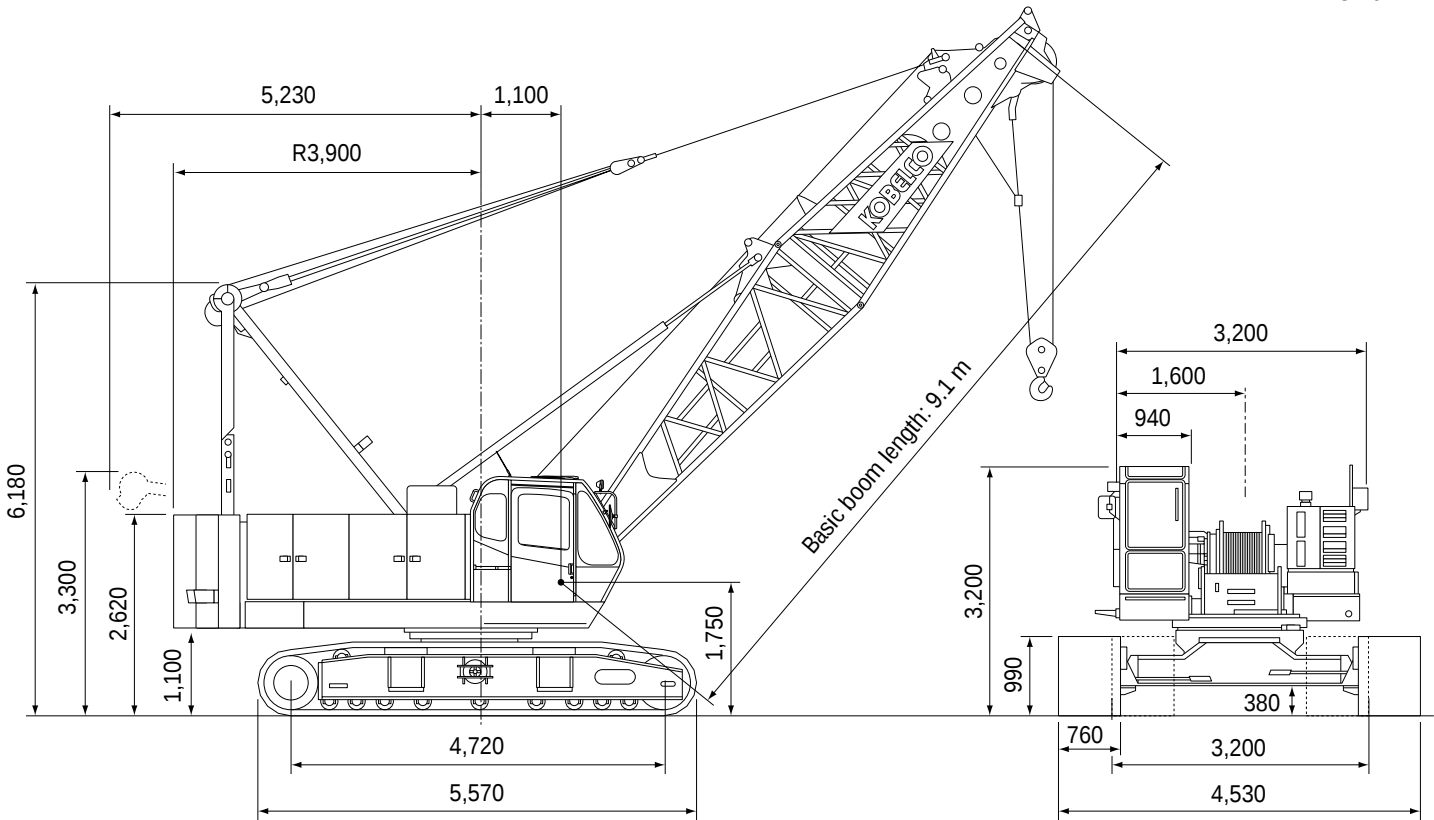
SPECIFICATIONS

Main Boom	
Max. Lifting Capacity	60 t x 3.0 m
Max. Length	51.8 m
Fixed Jib	
Max. Lifting Capacity	6.6 t
Max. Combination	42.7 m + 12.2 m, 39.6 m + 18.3 m
Main & Aux. Winch	
Max. Line Speed	120 m/min (1st layer)
Rated Line Pull	78.5 kN (8 tf)
Max. Line Pull (Approx.)	150 kN (15.3 tf)
Wire Rope	22 mm
Wire Rope Length	175 m (Main) 120 m (Aux.)
Brake Type	Wet-type multiple disc brake
Free-Fall	Option

Working Speed	
Swing Speed	4.0 min ⁻¹ (rpm)
Travel Speed	2.4/1.5 km/h
Power Plant	
Model	Mitsubishi 6D16-TLU2K
Engine Output (Gross)	159 kW/2,000 min ⁻¹ (rpm)
Fuel Tank Capacity	400 liters
Hydraulic System	
Main Pumps	3 variable displacement
Max. Pressure	31.9 MPa (325 kgf/cm ²)
Hydraulic Tank Capacity	450 liters
Self-Erection Device	Standard counterweight removal
Weight	
Operating Weight	Approx. 55.2 t
Counterweight	15.2 t
Transport Weight	37.1t (Main machine with crawler and lower boom)
Ground Pressure	71 kPa (0.72 kgf/cm ²)

GENERAL DIMENSIONS

Unit: mm



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MAIN BOOM LIFTING CAPACITY

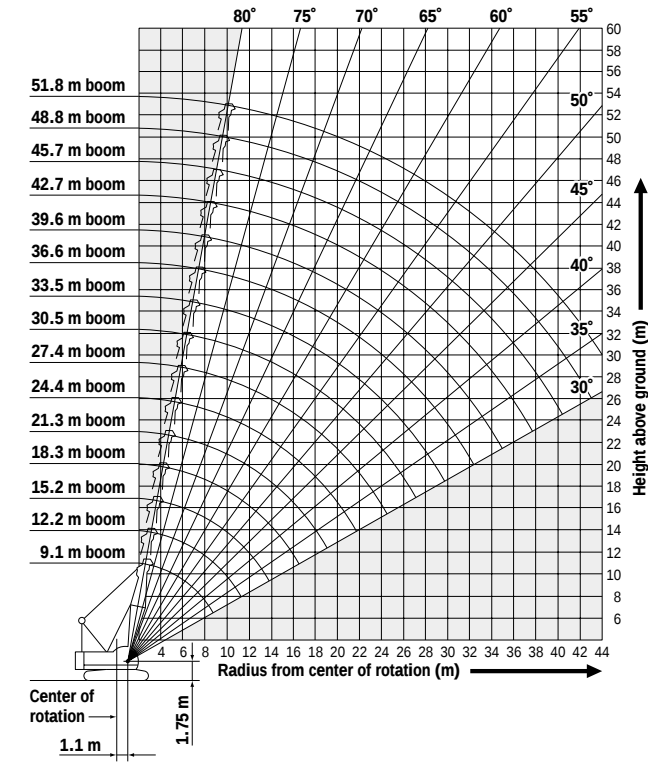
Rated loads in metric tons for 360° working area (Counterweight: 15.2 t)

Crawlers fully extended

Boom length m (ft)		9.1 (30)	12.2 (40)	15.2 (50)	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)
Working radius (m)	3.0	60.0	3.5/55.0													
	4.0	50.7	50.0	46.5	4.5/37.7											
	5.0	38.5	38.4	37.4	32.4	31.5	5.6/26.8									
	6.0	28.7	28.6	28.4	27.1	25.9	24.8	6.1/23.4	6.6/20.5							
	7.0	22.8	22.7	22.6	22.6	22.3	21.4	20.5	19.4							
	8.0	18.9	18.8	18.6	18.6	18.5	18.1	17.4	16.8	16.1	15.6	8.2/14.6	8.7/13.2			
	9.0	16.1	15.9	15.8	15.8	15.7	15.6	15.5	14.9	14.3	13.9	13.3	12.6	9.3/12.0	9.8/10.9	
	10.0	9.1/15.9	13.8	13.7	13.6	13.5	13.5	13.4	13.1	12.6	12.3	11.8	11.4	11.1	10.7	10.3/9.9
	12.0		11.7/11.2	10.7	10.7	10.6	10.5	10.4	10.4	10.2	10.0	9.6	9.3	9.0	8.7	8.3
	14.0			8.8	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.0	7.7	7.5	7.2	6.9
	16.0			14.4/8.5	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.5	6.3	6.0	5.8
	18.0				17.0/6.8	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.1	4.9
	20.0					19.7/5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.1
	22.0						4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.5
	24.0						22.3/4.5	4.0	3.9	3.8	3.7	3.6	3.4	3.4	3.2	3.0
	26.0							24.9/3.8	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6
	28.0								27.6/3.1	2.9	2.8	2.7	2.5	2.5	2.4	2.2
	30.0									2.5	2.5	2.3	2.2	2.1	2.0	1.8
	32.0										30.2/2.5	2.2	2.0	1.9	1.8	1.5
	34.0											32.9/2.0	1.7	1.6	1.5	1.3
	36.0												35.5/1.6	1.4	1.3	1.0
	38.0													1.2	1.1	1.0

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.

WORKING RADIUS



FIXED JIB LIFTING CAPACITY (WITHOUT MAIN HOOK)

Rated loads in metric tons for 360° working area (Jib offset angle: 10°)

Boom length		30.5 m		36.6 m		42.7 m	
Jib length		6.1 m	18.3 m	6.1 m	18.3 m	6.1 m	12.2 m
Working radius (m)	9.0 m	6.6					
	10.0 m	6.6		6.6			
	12.0 m	6.6	4.5	6.6		6.6	
	14.0 m	6.6	4.5	6.6	4.5	6.6	6.6
	16.0 m	6.6	4.5	6.6	4.5	6.6	6.5
	18.0 m	6.0	4.5	5.8	4.5	5.6	5.9
	20.0 m	5.1	4.5	4.9	4.5	4.7	5.0
	22.0 m	4.4	4.5	4.2	4.5	4.0	4.3
	24.0 m	3.8	4.1	3.7	3.9	3.5	3.7
	26.0 m	3.4	3.6	3.2	3.4	3.0	3.2
	28.0 m	3.0	3.2	2.8	3.0	2.5	2.8
	30.0 m	2.6	2.9	2.4	2.7	2.1	2.4
	32.0 m	2.3	2.6	2.1	2.4	1.8	2.0
	34.0 m		2.3	1.8	2.1	1.5	1.7
	36.0 m		2.1	1.5	1.8	1.2	1.4
	38.0 m		1.8	1.2	1.6		1.2
	40.0 m		1.6		1.4		



BOOM & JIB ARRANGEMENT

CKE600

BOOM ARRANGEMENT CHART

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

Base = 5.1 m (17'), Tip = 4.0 m (13')
Inserts: A = 3.0 m (10'), B = 6.1 m (20'), C = 9.1 m (30')

JIB ARRANGEMENT CHART

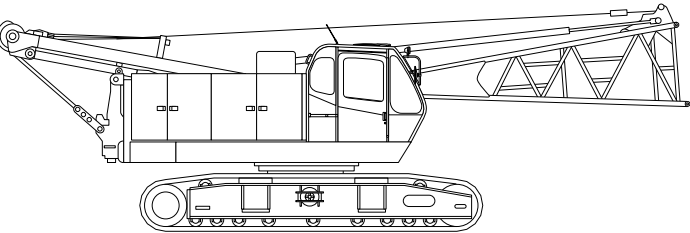
Jib length m (ft)	Jib arrangement
6.1 (20)	Base-Tip
12.2 (40)	Base-A-Tip
18.3 (60)	Base-A-A-Tip

Base = 3.0 m (10'), Tip = 3.0 m (10')
Inserts: A = 6.10 m (20')

SPECIFICATIONS OF PARTS AND ATTACHMENTS

Base Machine + Boom Base + Crawlers

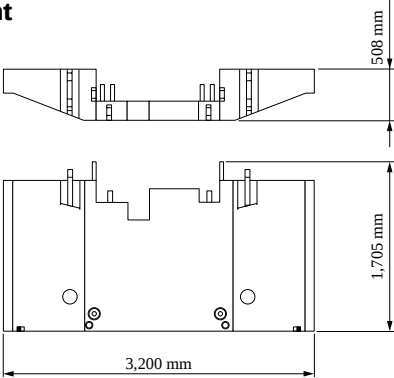
Weight: 37,200 kg
Dimensions: 3,180 mm height x 3,200 mm width x 10,950 mm length



Counterweight

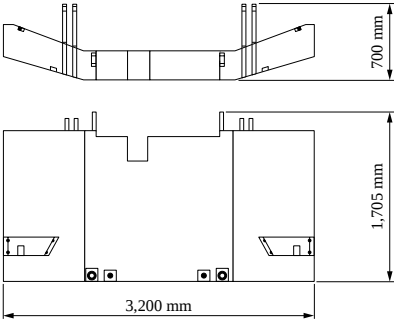
No.1 Counterweight

Weight: 8,990 kg



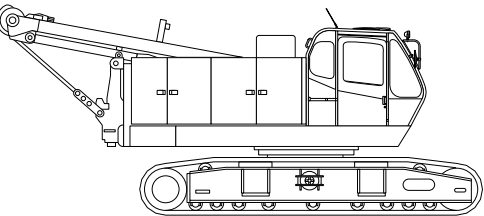
No.2 Counterweight

Weight: 6,192 kg



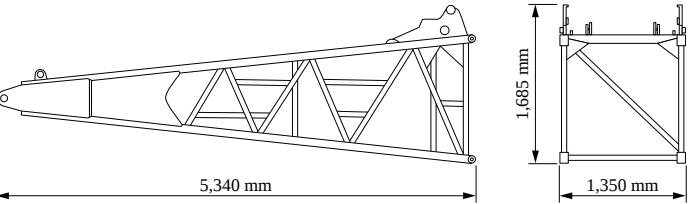
Base Machine + Crawlers

Weight: 37,200 kg
Dimensions: 3,180 mm height x 3,200 mm width x 7,490 mm length



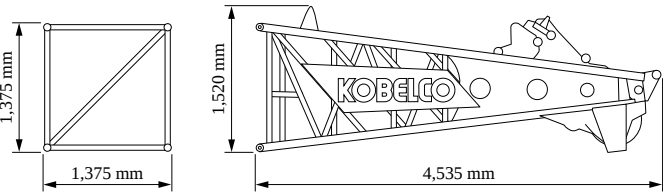
Boom Base

Weight: 815 kg



Boom Tip

Weight: 1,000 kg





CKE600

SPECIFICATIONS OF PARTS AND ATTACHMENTS

OTHER ATTACHMENT

Attachment	Weight	Dimensions (L x W x H)
3.1 m (10 ft) insert boom	255 kg	3,160 mm x 1,375 mm x 1,375 mm
6.1 m (20 ft) insert boom	430 kg	6,210 mm x 1,375 mm x 1,375 mm
9.1 m (30 ft) insert boom	615 kg	9,260 mm x 1,375 mm x 1,375 mm
Jib tip	150 kg	3,410 mm x 700 mm x 625 mm
Jib base	150 kg	3,190 mm x 700 mm x 625 mm
6.1 m (20 ft) insert jib	140 kg	6,160 mm x 700 mm x 625 mm
Strut	190 kg	3,700 mm x 620 mm x 500 mm
Auxiliary sheave	138 kg	1,010 mm x 1,310 mm
Upper spreader	240 kg	630 mm x 1,470 mm x 225 mm
Lower spreader	280 kg	1,580 mm x 300 mm x 680 mm
60-ton hook block	700 kg	1,573 mm x 515 mm x 650 mm
32-ton hook block	500 kg	590 mm x 327 mm x 1,530 mm
19-ton hook block	400 kg	590 mm x 385 mm x 1,270 mm
6.6-ton ball hook	160 kg	815 mm x 300 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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