

Hydraulic Crawler Crane

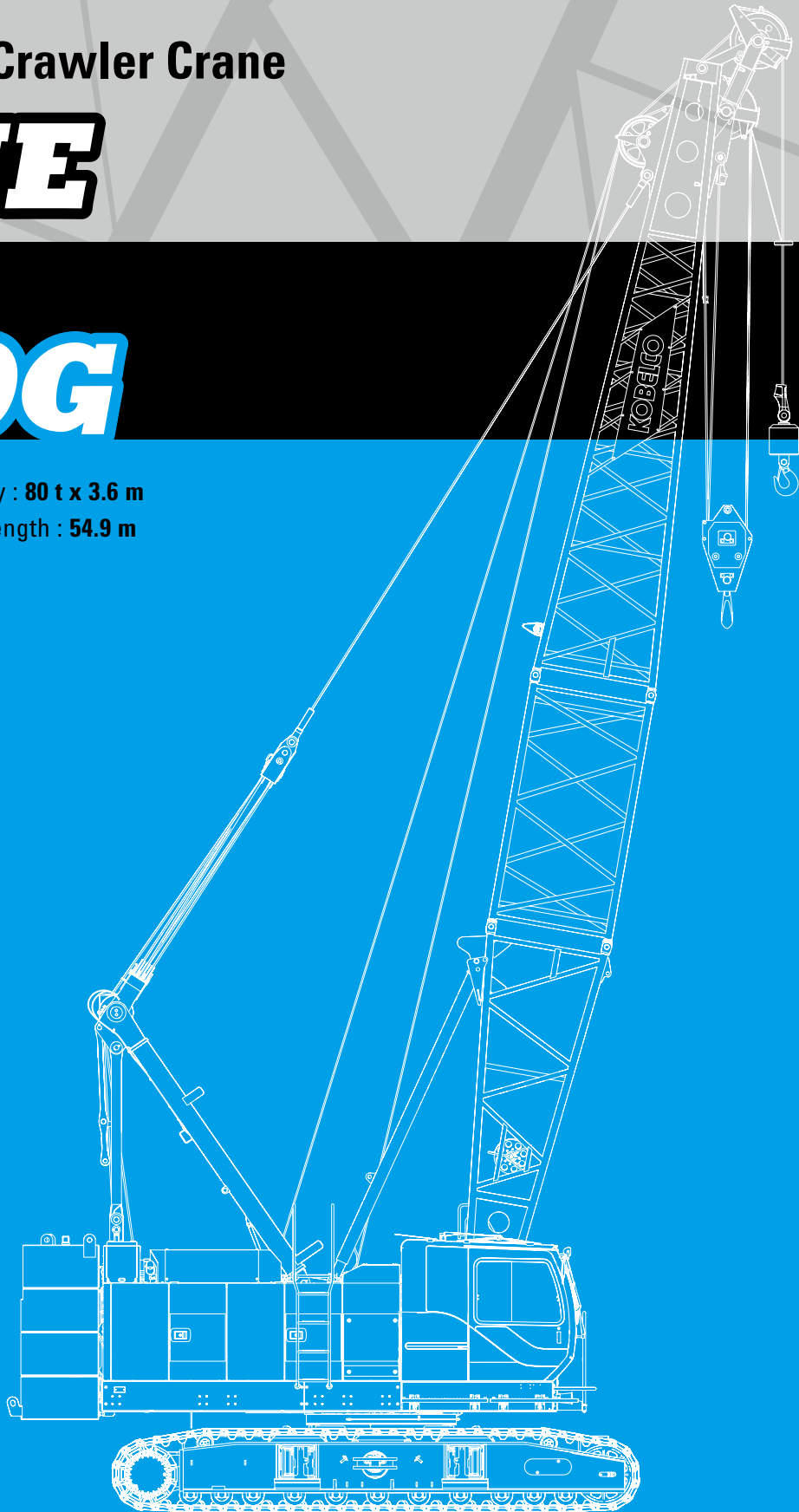
**BME**

**800G**

Max. Lifting Capacity : 80 t x 3.6 m

Max. Crane Boom Length : 54.9 m

Model : BME800G



**KOBELCO**



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# SPECIFICATIONS



## Power Plant

**Model:** HINO P11C-VC

**Type:** 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler Complies with NRMM (Europe) Stage IIIB and US EPA Interim Tier 4

**Displacement:** 10.520 liters

**Rated power:** 271 kW / 1,850 min<sup>-1</sup>

**Max. Torque:** 1,470 N·m / 1,400 min<sup>-1</sup>

**Cooling System:** Water-cooled

**Starter:** 24 V- 6 kW

**Radiator:** Corrugated type core, thermostatically controlled

**Air cleaner:** Dry type with replaceable paper element

**Throttle:** Twist grip type hand throttle, electrically actuated

**Fuel filter:** Replaceable paper element

**Batteries:** Two 12 V x 136 Ah/5HR capacity batteries, series connected

**Fuel tank capacity:** 400 liters



## Hydraulic System

**Main pumps:** 3 variable displacement piston pumps

**Control:** Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.

**Cooling:** Oil-to-air heat exchanger (plate-fin type)

**Filtration:** Full-flow and bypass type with replaceable element

**Max. relief valve pressure:**

**Load hoist, boom hoist and propel system:** 31.9 Mpa

**Swing system:** 27.5 MPa

**Control system:** 5.4 MPa

**Hydraulic Tank Capacity:** 440 liters



## Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

**Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

**Drum Lock:** External ratchet for locking drum

**Drum:** Single drum, grooved for 18mm dia. wire rope

**Line Speed:** Single line on first drum layer

**Hoisting/Lowering:** 70 to 2 m/min

**Boom hoisting/lowering:** 18 mm x 143 m

**Boom guy line:** 30 mm

**Boom backstops:** Required for all boom length



## Load Hoisting System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

**Positive Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through

a counter-balance valve.

**Drum Lock:** External ratchet for locking drum

**Drums:**

**Front Drums:** 614 mm P.C.D x 617 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 175 m working length and 361 m storage length.

**Rear Drum:** 614 mm P.C.D x 617 mm grooved for 26 mm wire rope. Rope capacity is 130 m working length and 361 m storage length.

**Diameter of wire rope**

**Main winch:** 26 mm x 175 m

**Aux. winch:** 26 mm x 130 m

**Third winch:** 26 mm x 145 m

**Line Speed\*:**

**Hoisting/lowering:** 120 to 3 m/min

**Line Pull:**

**Max. Line Pull\* :** 208 kN {21.2 tf}

(Referential Performance)

**Rated Line Pull:** 108 kN {11.0 tf}

\*Single line on first drum layer



## Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducer, the swing system provides 360° rotation.

**Swing parking brakes:** A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

**Swing circle:** Single-row ball bearing with an integral internally cut swing gear.

**Swing lock:** Manually, four position lock for transportation

**Swing Speed:** 4.0 min<sup>-1</sup>



## Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.

**Counter weight:** 25.4 ton



## Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).

**Cab fittings:**

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, and shoe tray



## Lower Structure

Steel-welded carbody with axles. Crawler assemblies can be hydraulically extended for wide-track operation or retracted for transportation. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

**Carbodyweight:** 6.5 ton

**Crawler drive:** Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

**Crawler brakes:** Spring-set, hydraulically released parking brakes are built into each propel drive.

**Steering mechanism:** A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

**Track rollers:** Sealed track rollers for maintenance-free operation.

**Shoe (flat):** 800 mm wide each crawler

**Max. gradeability:** 30 %



## Weight

Including upper and lower machine, 25.4 ton counterweight and 6.5 ton carbody weight, basic boom hook, and other accessories.

**Weight:** 77.0 ton

**Ground pressure:** 86.9 kPa



## Attachment

### Boom & Jib:

Welded lattice construction using tubular, high-tensile steel chords with pin connection between sections.

### Boom and Jib length

	Min. Length (Min. combination)	Max. Length (Max. combination)
Crane Boom	12.2 m	54.9 m

## Main Specifications (Model: BME800G)

Crane Boom	
Max. Lifting Capacity	80 t x 3.6 m
Max. Length	54.9 m
Main & Aux. Winch	
Max. Line Speed (1st layer)	120 m/min
Rated Line Pull (Single line)	108 kN {11.0 tf}
Wire Rope Diameter	26 mm
Wire Rope Length	175 m (Main), 130 m (Aux.)
Brake Type (Free fall)	Wet-type multiple disc brake (Standard)
Working Speed	
Swing Speed	4.0 min <sup>-1</sup> {rpm}
Travel Speed	1.7/1.2 km/h
Power Plant	
Model	HINO P11C-VC
Engine Output	271 kW / 1,850 min <sup>-1</sup>
Fuel Tank	400 liters

Hydraulic System	
Main Pumps	3 variable displacement
Max. Pressure	31.9 Mpa {325 kg/cm <sup>2</sup> }
Hydraulic Tank Capacity	440 liters
Self-Removal Device	
	Counterweight/crawler self-removal device
Weight	
Operating Weight	77.0 t <sup>*1</sup>
Ground Pressure	86.9 kPa
Counterweight	25,400 kg
Transport Weight	43,210 kg <sup>*2</sup>

Units are SI units. { } indicates conventional units.

Line speeds in table are for light loads. Line speed varies with load.


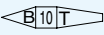
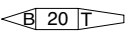
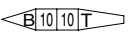
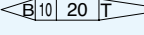
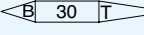
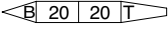
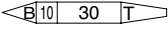
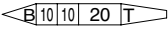
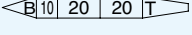
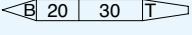
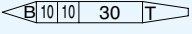
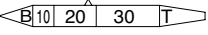
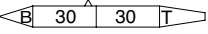
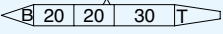
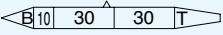
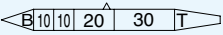
<sup>\*1</sup> Including upper and lower machine, 25.4 ton counterweight, 6.5 ton carbody weight, basic boom, hook, and other accessories.

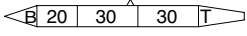
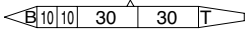
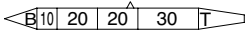
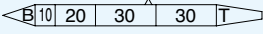
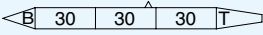
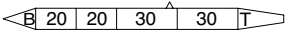
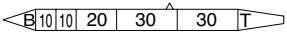
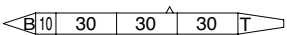
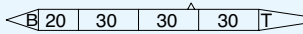
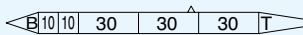
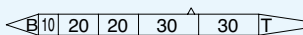
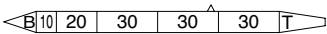
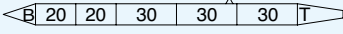
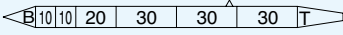
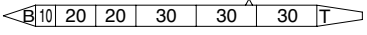
<sup>\*2</sup> Base machine with boom base, gantry, crawlers, and wire ropes (front/rear/boom hoist)








# BOOM AND JIB ARRANGEMENTS

## Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
12.2 (40)	※ 
15.2 (50)	※ 
18.3 (60)	 ※ 
21.3 (70)	※  
24.4 (80)	  ※ 
27.4 (90)	※   
30.5 (100)	※  
33.5 (110)	  ※ 

Boom length m (ft)	Boom arrangement
36.6 (120)	  ※ 
39.6 (130)	※  
42.7 (140)	 ※  
45.7 (150)	  ※ 
48.8 (160)	※ 
51.8 (170)	 ※ 
54.9 (180)	※ 

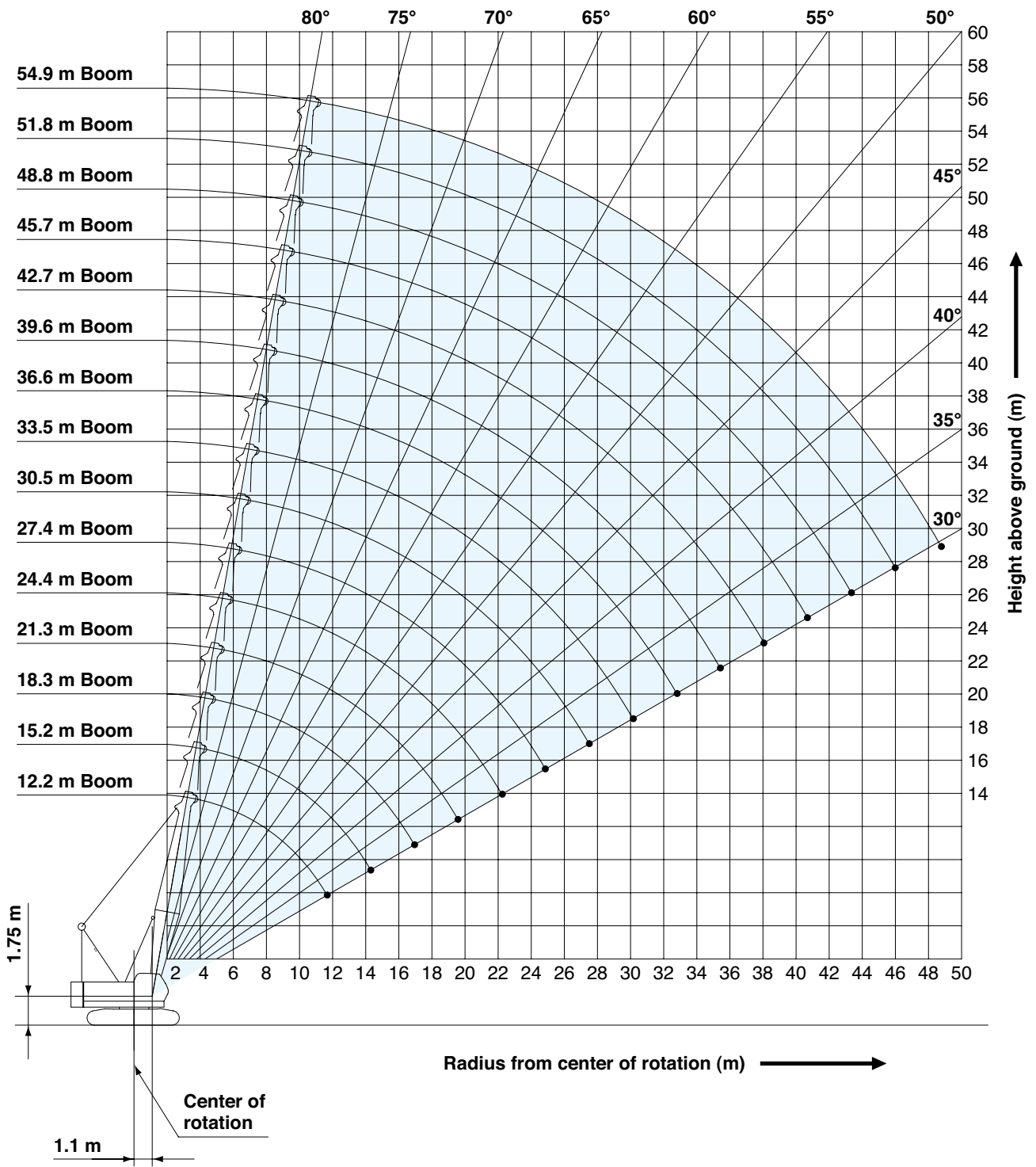
Symbol	Boom Length	Remarks
	5.2 m	Boom Base
	7.0 m	Boom Top
	3.0 m	Insert Boom
	6.1 m	Insert Boom
	9.1 m	Insert Boom

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

# WORKING RANGES

## Crane Boom

Unit : m





# SUPPLEMENTAL DATA

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment.  
The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes  are limited by strength of materials.
- The minimum rated load is 1.1 (ton).
- Crawler frames must be fully extended for all crane operations.

## (Crane boom lifting)

- The total load that can be lifted is the value for weight of main hook block, slings, and all other load handling accessories deducted from crane boom ratings shown.

## <Reference Information>

### Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	108	216	324	431	539
Maximum Loads (t)	11.0	22.0	33.0	44.0	55.0

No. of Parts of Line	6	7	8
Maximum Loads (kN)	647	755	785
Maximum Loads (t)	66.0	77.0	80.0

### Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	108
Maximum Loads (t)	11.0

Weight of hook block				
Hook Block	80 t	50 t	32 t	Ball Hook
Weight (t)	0.95	0.7	0.55	0.3

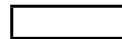
Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

## Assembling the counterweight

25.4 ton counterweight  
6.5 ton carbody weight

No.4		No.5
No.3		
No.2		
No.1		

Counterweights



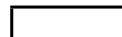
Carbody weights

## Assembling the counterweight

(Equipped with self removal device)  
26.1 ton counterweight  
6.5 ton carbody weight

No.4		No.5
No.2		No.3
No.1		

Counterweights



Carbody weights

- The lifting capacity does not change due to the type of counterweights.

# LIFTING CAPACITIES



## Crane Boom Lifting Capacities

Counterweight: 25.4 t

Carbody Weight: 6.5 t

Unit: metric ton

Working Radius (m)	Boom Length (m)	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	Boom Length (m)	Working Radius (m)
	3.0										
3.0	3.6m/80.0										3.0
4.0	69.5	4.3m/63.2	4.8m/56.0								4.0
5.0	56.2	56.4	53.4	5.3m/47.3	5.9m/40.2						5.0
6.0	44.7	45.4	43.2	41.4	39.6	6.4m/35.4	6.9m/31.5				6.0
7.0	36.0	37.8	36.2	34.8	33.5	32.3	31.1	7.5m/27.9			7.0
8.0	29.8	31.8	31.1	30.0	28.9	28.0	27.0	26.2			8.0
9.0	25.3	27.0	26.8	26.3	25.4	24.6	23.9	23.2			9.0
10.0	22.0	23.4	23.2	23.2	22.6	22.0	21.3	20.7			10.0
12.0	11.8m/17.4	18.4	18.2	18.1	18.0	17.9	17.4	17.0			12.0
14.0		15.1	14.9	14.8	14.7	14.6	14.5	14.3			14.0
16.0		14.5m/14.4	12.5	12.4	12.3	12.2	12.1	12.0			16.0
18.0			17.1m/11.5	10.6	10.5	10.4	10.3	10.2			18.0
20.0				19.8m/9.4	9.1	9.0	8.9	8.8			20.0
22.0					8.0	7.9	7.8	7.7			22.0
24.0					22.4m/7.8	7.0	6.9	6.8			24.0
26.0						25.0m/6.6	6.1	6.0			26.0
28.0							27.7m/5.6	5.4			28.0
30.0								4.8			30.0
32.0								30.3m/4.8			32.0
Reeves	8	6	6	5	4	4	3	3			Reeves

Working Radius (m)	Boom Length (m)	36.6	39.6	42.7	45.7	48.8	51.8	54.9	Boom Length (m)	Working Radius (m)
	8.0									
8.0	8.0m/25.3	8.5m/23.1								8.0
9.0	22.4	21.8	9.0m/21.2	9.6m/19.2						9.0
10.0	20.1	19.5	19.0	18.4	10.1m/17.7	10.6m/16.3	11.2m/15.0			10.0
12.0	16.5	16.0	15.6	15.2	14.8	14.3	13.9			12.0
14.0	13.9	13.5	13.2	12.8	12.5	12.1	11.7			14.0
16.0	11.9	11.6	11.3	11.0	10.7	10.3	10.0			16.0
18.0	10.1	9.9	9.8	9.5	9.2	8.9	8.6			18.0
20.0	8.7	8.5	8.5	8.3	8.1	7.8	7.5			20.0
22.0	7.5	7.4	7.4	7.2	7.1	6.8	6.6			22.0
24.0	6.6	6.5	6.4	6.3	6.2	6.1	5.8			24.0
26.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2			26.0
28.0	5.2	5.1	5.0	4.9	4.8	4.6	4.5			28.0
30.0	4.7	4.6	4.5	4.4	4.2	4.1	4.0			30.0
32.0	4.2	4.1	4.0	3.9	3.8	3.6	3.5			32.0
34.0	33.0m/4.0	3.7	3.6	3.5	3.3	3.2	3.1			34.0
36.0		35.6m/3.4	3.2	3.1	3.0	2.8	2.7			36.0
38.0			2.9	2.8	2.7	2.5	2.4			38.0
40.0			38.2m/2.9	2.5	2.4	2.2	2.1			40.0
42.0				40.9m/2.4	2.1	2.0	1.8			42.0
44.0					43.5m/1.9	1.7	1.6			44.0
46.0						1.5	1.4			46.0
48.0						46.2m/1.5	1.2			48.0
50.0							48.8/1.1			50.0
Reeves	3	3	2	2	2	2	2			Reeves

Note:

Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

# SUPPLEMENTAL DATA FOR CLAMSHELL RATING CHART

- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of bucket, slings and all other load handling accessories from main boom ratings shown.
- Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment.  
The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Rated loads do not exceed 66 % of minimum tipping loads.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Crawler frames must be fully extended for all crane operations.

## (Clamshell bucket lifting)

- The total load that can be lifted is the value for weight of bucket, slings, and all other load handling accessories deducted from main boom ratings shown.
- The weight of bucket and materials must not exceed rated load.
- Optimum bucket should be required according to material.
- $\text{Bucket capacity (m}^3\text{)} \times \text{specified gravity of material (ton/m}^3\text{)} + \text{bucket weight (ton)} = \text{rated load.}$
- Bucket weight must also be decreased according to operating cycle and bucket lowering height.

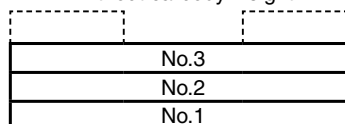
- Rated loads are determined by stability and boom strength. During simultaneous operations of boom and swing, rapid acceleration or deceleration must be avoided.
- Do not attempt to cast the bucket while swinging or diagonal draw-cutting.

## Main hoist loads

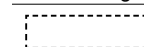
No. of Parts of Line	1
Maximum Loads (kN)	74
Maximum Loads (t)	7.5

## Assembling the counterweight

22.8 ton counterweight  
without carbody weight



Counterweights



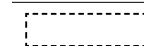
Carbody weights

## Assembling the counterweight

(Equipped with self removal device)  
17.7 ton counterweight  
without carbody weight



Counterweights



Carbody weights

- The lifting capacity does not change due to the type of counterweights.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.
--

# LIFTING CAPACITIES



## Clamshell Rating Charts Crane Boom Capacities

Counterweight: 22.8 t  
Without Carbody Weight

Unit: metric ton

Working Radius (m) \ Boom Length (m)	12.2	15.2	18.3	21.3	24.4				Boom Length (m) \ Working Radius (m)
5.0	7.5								5.0
5.5	7.5	7.5							5.5
6.0	7.5	7.5							6.0
7.0	7.5	7.5	7.5						7.0
8.0	7.5	7.5	7.5	7.5	7.2				8.0
9.0	7.5	7.5	7.5	7.5	7.2				9.0
10.0	7.5	7.5	7.5	7.5	7.2				10.0
11.0		7.5	7.5	7.5	7.2				11.0
12.0		7.5	7.5	7.5	7.2				12.0
13.0		7.5	7.5	7.5	7.2				13.0
14.0			7.5	7.5	7.2				14.0
15.0			7.5	7.5	7.1				15.0
16.0			7.5	7.5	6.9				16.0
17.0				7.1	6.7				17.0
18.0				6.6	6.5				18.0
19.0					6.0				19.0
20.0					5.6				20.0
21.0					5.2				21.0
<b>Reeves</b>	1	1	1	1	1				<b>Reeves</b>

Note:  
Please refer rated chart in operator's cabin.

# SUPPLEMENTAL DATA FOR REDUCED WEIGHTS RATING CHART

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block(s), slings and all other load handling accessories from main boom ratings shown.
- Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes  are limited by strength of materials.
- The minimum rated load is 1.1(ton).
- Crawler frames must be fully extended for all crane operations.

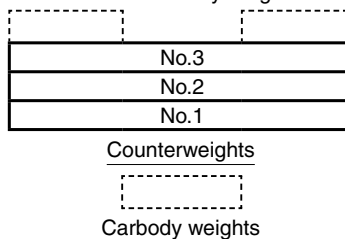
## ( Crane boom lifting )

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

Counterweight	Carbody Weight	Boom Length	
		Without Aux.	With Aux.
22.8 ton	without	12.2m~51.8m	12.2m~48.8m
17.7 ton	without	12.2m~51.8m	12.2m~48.8m

### Assembling the counterweight

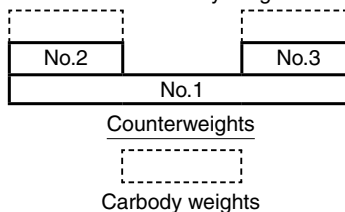
22.8 ton counterweight  
without carbody weight



### Assembling the counterweight

(Equipped with self removal device)

17.7 ton counterweight  
without carbody weight



- The lifting capacity does not change due to the type of counterweights.

## <Reference Information>

### Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	108	216	324	431	539
Maximum Loads (t)	11.0	22.0	33.0	44.0	55.0

No. of Parts of Line	6	7	8
Maximum Loads (kN)	647	755	785
Maximum Loads (t)	66.0	77.0	80.0

### Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	108
Maximum Loads (t)	11.0

Weight of hook block				
Hook Block	80 t	50 t	32 t	Ball Hook
Weight (t)	0.95	0.7	0.55	0.3

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

# LIFTING CAPACITIES



## Reduced Weights Rating Charts Crane Boom Lifting Capacities

Counterweight: 22.8 t  
Without Carbody Weight  
Crawler Fully Extended  
Unit: metric ton

Load radius (m)	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	Boom length (m)	Load radius (m)														
		3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	10.0	12.0	14.0	16.0	18.0			20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0
3.5	3.6m/72.0																3.5														
4.0	64.0	4.3m/58.4															4.0														
4.5	55.0	55.0	4.8m/47.6														4.5														
5.0	47.2	47.2	45.3	5.3m/40.1													5.0														
5.5	40.3	40.2	40.1	38.4	5.9m/33.8												5.5														
6.0	35.0	35.0	34.9	34.7	33.2	6.4m/29.6	6.9m/26.2										6.0														
7.0	27.8	27.7	27.6	27.6	27.4	26.8	25.8	7.5m/23.1									7.0														
8.0	22.9	22.8	22.7	22.7	22.6	22.5	22.3	21.6	8.0m/20.8	8.5m/18.8							8.0														
9.0	19.5	19.4	19.3	19.2	19.1	19.1	18.9	18.8	18.3	17.7	17.1	9.6m/15.4					9.0														
10.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.2	15.8	15.3	14.8	10.1m/14.1	10.6m/12.9			10.0														
12.0	11.8m/13.6	13.1	13.0	13.0	12.8	12.8	12.7	12.6	12.5	12.4	12.3	12.0	11.6	11.2			12.0														
14.0		10.7	10.6	10.5	10.4	10.4	10.2	10.1	10.1	10.0	9.8	9.7	9.6	9.3			14.0														
16.0		14.5m/10.3	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8			16.0														
18.0			17.1m/8.2	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.4			18.0														
20.0				19.8m/6.6	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4			20.0														
22.0					5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.6			22.0														
24.0					22.4m/5.5	4.9	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9			24.0														
26.0						25.0m/4.6	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4			26.0														
28.0							27.7m/3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9			28.0														
30.0								3.2	3.1	3.0	2.9	2.7	2.6	2.5			30.0														
32.0								30.3m/3.2	2.8	2.7	2.5	2.4	2.2	2.1			32.0														
34.0									33.0m/2.5	2.3	2.2	2.0	1.9	1.7			34.0														
36.0										35.6m/2.1	1.9	1.7	1.6	1.5			36.0														
38.0											1.6	1.5	1.3	1.2			38.0														
40.0											38.2m/1.6	1.3	1.1				40.0														
42.0												40.9m/1.1					42.0														
44.0																	44.0														
46.0																	46.0														
48.0																	48.0														
50.0																	50.0														
52.0																	52.0														
54.0																	54.0														
<b>Reeves</b>		7	6	5	4	4	3	3	3	2	2	2	2	2	2		<b>Reeves</b>														

Note:

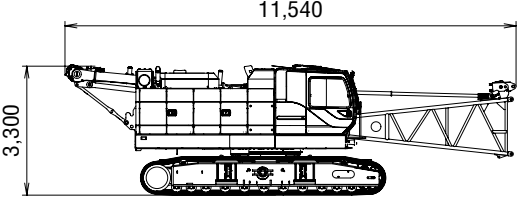
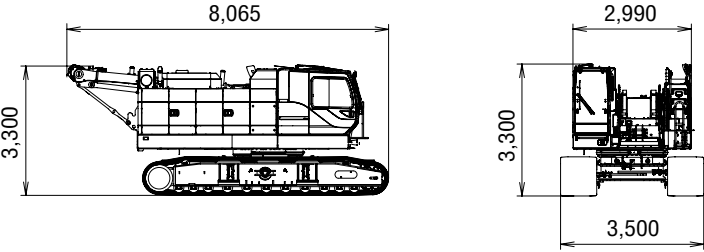
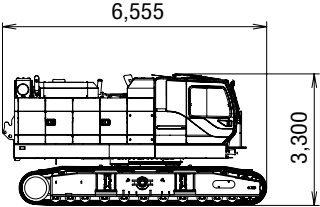
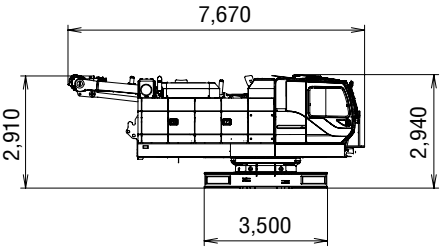
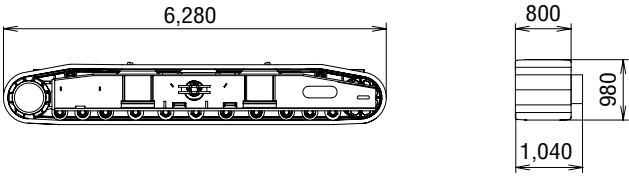
Ratings according to EN13000.

Ratings shown in   are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

# TRANSPORTATION PLAN

Name	Dimension	Weight (kg)
<b>Base Machine</b> <ul style="list-style-type: none"> <li>• Boom base</li> <li>• Gantry</li> <li>• Crawler</li> <li>• Wire rope (Front / rear / boom hoist)</li> </ul>		43,210
<b>Base Machine</b> <ul style="list-style-type: none"> <li>• Gantry</li> <li>• Crawler</li> <li>• Wire rope (Front / rear / boom hoist)</li> </ul>		41,250
<b>Base Machine</b> <ul style="list-style-type: none"> <li>• Boom base</li> <li>• Wire rope (Front / rear / boom hoist)</li> </ul>		39,900
<b>Base Machine</b> <ul style="list-style-type: none"> <li>• Gantry</li> <li>• Wire rope (Front / rear / boom hoist)</li> <li>• Without crawler</li> </ul>		26,890
Crawler		7,180



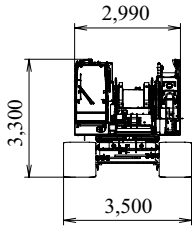
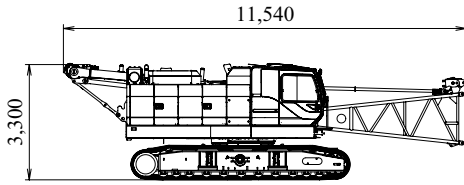




# PARTS AND ATTACHMENTS

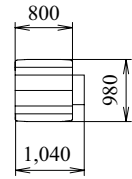
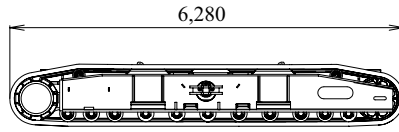
## Base Machine

Boom base, Gantry, Crawler,  
Wire rope (Front/rear/boom hoist),  
Weight: 43,210 kg Width: 3,500mm



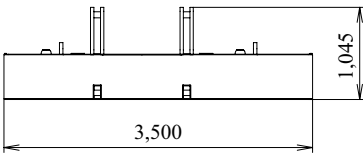
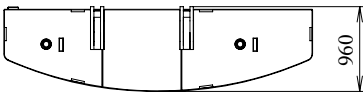
## Crawler

Weight: 7,180 kg



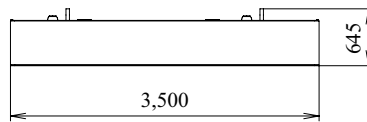
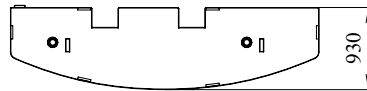
## Counterweight No.1

Weight: 8,520 kg



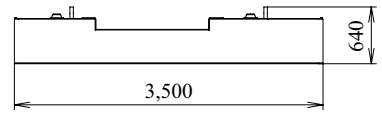
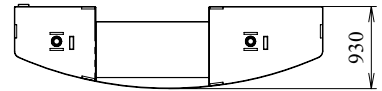
## Counterweight No.2

Weight: 7,850 kg



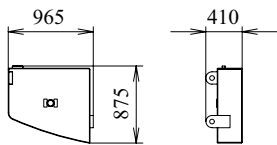
## Counterweight No.3

Weight: 6,405 kg



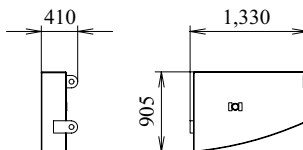
## Counterweight No.4 (L)

Weight: 1,000 kg



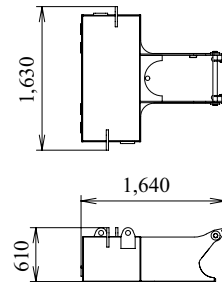
## Counterweight No.5 (R)

Weight: 1,555 kg

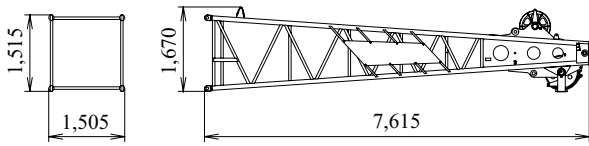


## Carbody weight

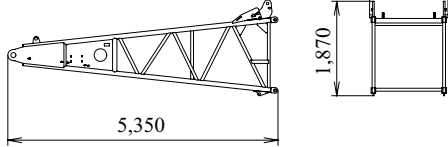
Weight: 3,270 kg



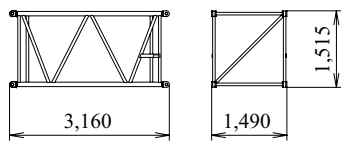
**Boom Tip**  
Weight: 1,390 kg



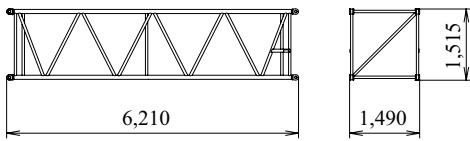
**Boom Base**  
Weight: 1,130 kg



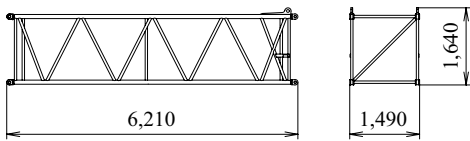
**3.0 m Boom Insert**  
Weight: 310 kg



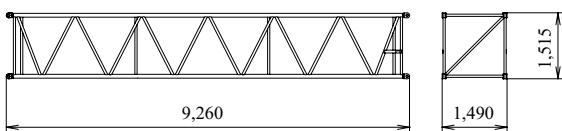
**6.1 m Boom Insert**  
Weight: 522 kg



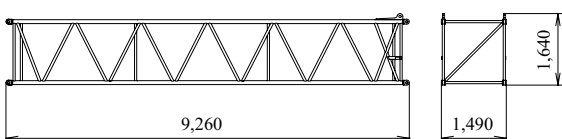
**6.1 m Boom Insert with Lug**  
Weight: 545 kg



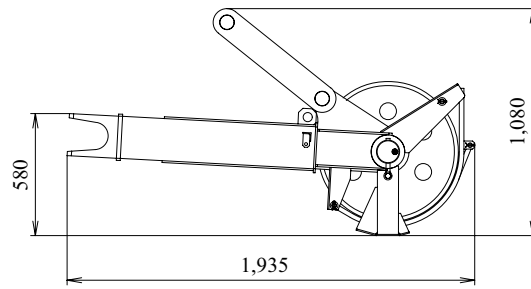
**9.1 m Boom Insert**  
Weight: 745 kg



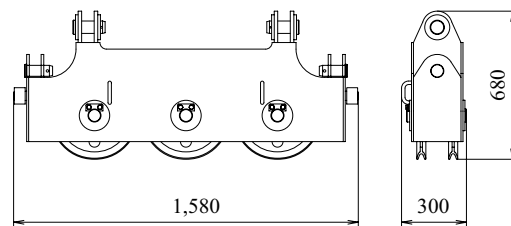
**9.1 m Boom Insert with Lug**  
Weight: 765 kg



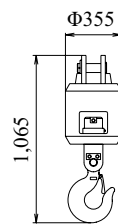
**Auxiliary Sheave**  
Weight: 330 kg



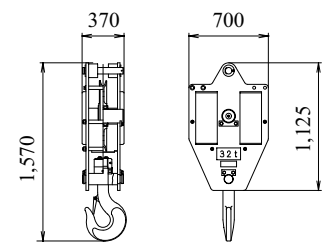
**Upper Spreader**  
Weight: 280 kg



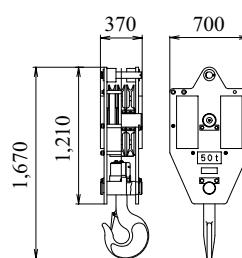
**Ball Hook**  
Weight: 300 kg



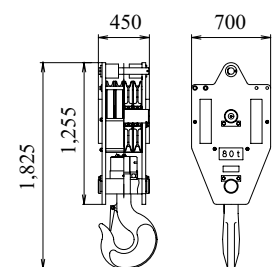
**32 t Hook**  
Weight: 400 kg



**50 t Hook**  
Weight: 500 kg



**80 t Hook**  
Weight: 650 kg



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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