

**KOBELCO**

***SL6000G***  
***SL4500G***

# Responsibility Builds the Future.

Wherever the future is under construction, from large-scale plant and energy-related projects to infrastructure maintenance, you'll find Kobelco's super large size SL6000G and SL4500G crawler cranes in the thick of the action. Ergonomic for maximum comfort. Eco-engineered to be friendlier to our Earth. Kobelco Cranes embody new values.

## SL6000G

Max. Lifting Capacity :

**600 us ton**

STANDARD

Max. Boom Length: 354ft\*1 / Max. Luffing Jib Combination: 196+236ft

HEAVY LIFT

Max. Boom Length: 354ft\*1 / Max. Luffing Jib Combination: 217+236ft

SUPER HEAVY LIFT

Max. Boom Length: 413ft\*1 / Max. Luffing Jib Combination: 276+276ft

## SL4500G

### STANDARD CONFIGURATION

Max. Lifting Capacity :

**440 us ton**

STANDARD

Max. Boom Length: 315ft\*1 / Max. Luffing Jib Combination: 217+217ft(236+177ft)

HEAVY LIFT

Max. Boom Length: 276ft / Max. Luffing Jib Combination: 236+217ft(256+177ft)

SUPER HEAVY LIFT

Max. Boom Length: 276ft / Max. Luffing Jib Combination: 256+217ft(276+177ft)

### LIGHT CONFIGURATION

Max. Lifting Capacity :

**330 us ton\*2 / 198 us ton**

Luffing Boom Max. Boom Length: 256ft

Long Boom Max. Boom Length: 315ft

Luffing Jib Max. Luffing Jib Combination: 217+217ft

\*1. Long Boom \*2. With Standard Boom Configuration (width 9.5ft boom)  
The following abbreviations are used through this catalog. STD: Standard HL: Heavy Lift SHL: Super Heavy Lift

● The photo is a composite.



Performance

**Toughness and luxury.  
Incredible manoeuvrability makes  
work efficiency leap ahead.**

**Lightweight, Solid Upper Frame**

The upper frame has been newly designed to increase sectional strength and optimise the frame's stress capacity. This enhances rigidity and contributes to the crane's exceptional lifting capacity.

**High-strength Lattice Boom, Ready for Hard Work**

Large-diameter main pipe strengthens the boom to significantly boost lifting capabilities.

**Double Motors for Smooth Travel**

The crawler has double motors, one in front and one in the rear, delivering steady, powerful traction for smooth on-site travel.



**Smooth Hoisting Increases Work Efficiency**

Hoisting speed increases by approximately 30% ensuring faster, more efficient work.

**Wide, Large-capacity Winches for Smooth High-rise Work**

The wide hoist winches provide an impressive spooling capacity of 3,500ft\* of 28mm (inch) hoist rope. Their large capacity and large diameter prevent uneven spooling and wear while ensuring smooth operation during high-rise work with a long boom combination.



\*SL6000G figure.

**Powerful Line Pull Winch Makes Tough Jobs Easy**

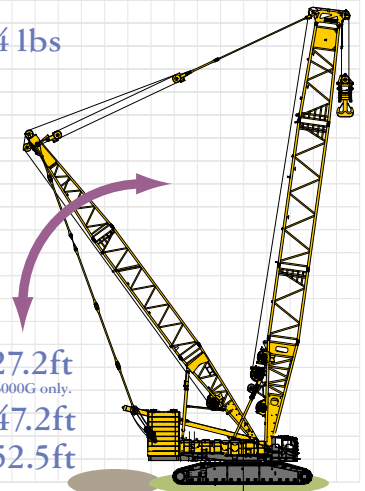
With the efficient combination of a high-output engine and high performance hydraulic motors, the winches deliver plenty of line pull for single-line work. There's also ample capacity to get even the heaviest loads off the ground.

<b>Rated Line Pull (Single Line)</b>	SL6000G,SL4500G Light Configuration <b>30864 lbs</b>
	SL4500G <b>29761 lbs</b>

**Adjustable HL Mast**

With the adjustable HL mast, the rear swing radius can be set to one of three options\* to suit work site conditions. This guarantees optimised lifting performance even on small sites. \*Two options for SL4500G.

<b>HL Spec. Max. Lifting Capacity</b>	Heavy Duty Crane Boom: <b>815,600 lbs × 27.2ft</b> <small>*SL6000G only.</small>
	Luffing Jib: SL6000G <b>440,900 lbs × 47.2ft</b>
	Luffing Jib: SL4500G <b>250,200 lbs × 52.5ft</b>





## Light and easy. Innovation upon innovation for superior transportability.

### Transportation Plans

Model	SL6000G	SL4500G	SL4500G Light
Transport Weight	140,057 lbs *A 97,685 lbs *B	132,461 lbs *C 99,210 lbs *D	132,461 lbs *C 99,210 lbs *D
Transportation Width	9' 10"	9' 10"	9' 10"

\* A,B,C,D, please refer to page 9.

### Kobelco's Lightweight Upper Frame

A new ultra-solid structure and top-quality high-tensile steel plate enable Kobelco to engineer and build a unique lightweight upper frame. So they're easier to transport than other conventional cranes in their class, not to mention simpler to assemble and disassemble.

### Easy-to-transport Swing Cab

With plenty of room for the operator, the swing cab has a practical design for easy transportation. The cab swings away and stows in front of the base machine, reducing the transport width of the upper machine to just 10ft.

### New Crawler Frame

The crawler frame has the lower rollers fitted inside to increase sectional strength, and uses high-grade, high-tensile steel plate to minimise weight.



● The photo is a composite.

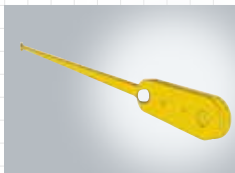
### Winches Mounted on Mast and Boom

The boom hoist winch is mounted on the mast, and the hoist winches are mounted on the boom base. This not only reduces the weight of the base machine, but also saves time labour, and money, because the boom and mast can be transported with winches attached.

※SL4500G: The boom hoist winch is mounted on the base machine for crane operation and on the mast for transportation.



### Attachment Transport / Disassembly Streamlined in 6 Big Ways



#### 1 Steel bar pendant NEW

The steel bar design is adopted to streamline assembly. It reduces rotation and misalignment during transport.  
※SL6000G only



#### 2 New counterweights NEW

A newly designed counterweight allows basket-rigging on the proper lifting rug provided outside of the counterweight. It helps reduce rigging time and create stable lift handling when assembling and disassembling the counterweight.



#### 3 Wireless remote assembly controller

This standard feature also allows you to start the engine from outside the cab.



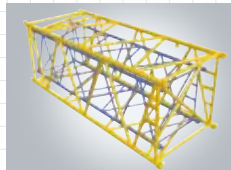
#### 4 New reeving winch system NEW

Both the main winch and the reeving winch can be operated from inside the cab. Both winches have speed-adjusting trimmers that ensure simple, accurate control of winding speed.



#### 5 Boom width: 10ft

Specially designed boom fits in 10ft width.  
※SL4500G Light Configuration: 8ft width.



#### 6 Nesting boom

The luffing insert jib can be easily nested in the insert boom by using the optional stowing guide rollers. This reduces the number of trailers needed for transport and minimises storage space requirements.

## Versatile Attachment Configurations

- Boom Base
- Insert Boom
- Tapered Boom
- Heavy Duty Boom Top
- Luffing Boom Top
- Luffing Jib Base
- Luffing Insert Jib
- Luffing Jib Top
- Insert Boom (Long)

※ Boom configuration is for illustrative purposes only.



### Sharing Booms Reduces Storage and Transportation Costs

The boom base and insert boom can both be used in crane boom, long boom, and luffing jib specifications. What's more, the long insert boom with long specifications, long upper boom, and luffing insert jib with luffing jib specifications, and luffing jib top can also be shared. This reduces costs and labor involved in changing specs, in storage, and in transport. Furthermore, as each insert is of the same diameter and thickness of pipe, they can be assembled in any order, and can also be transported.

### SHL Pallet Reduces Ground Pressure

The Super Heavy Lift (SHL) pallet weight is only 19.9 psi, reducing the need for ground preparation work.



### Enhanced Safety in Boom Assembly/Disassembly

The assembly/disassembly mode provided in M/L system enables assembly/disassembly without releasing the over-hoist prevention function. When the boom sets above a certain angle, assembly/disassembly is set to safe operation mode automatically.



### Self-erection System Option

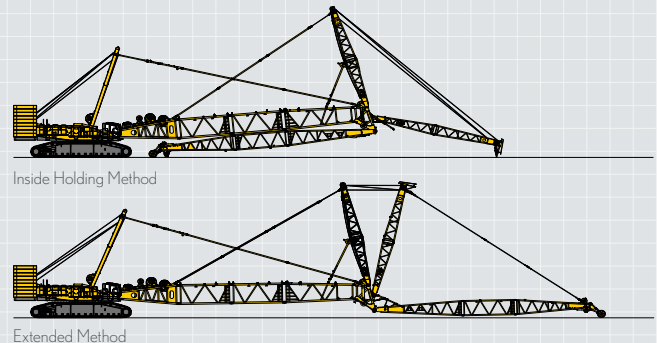
Use the built-in, remote controlled transliifter (jack system) to lift the SL6000G and SL4500G clear of the trailer, then drive the trailer away. The self-assembly cylinder installed on the mast is used to install the crawler side frames and/or the boom.

### SL4500G Can Be Used as a Light Configuration Crane, Too

SL4500G can be operated as a light configuration of the 330us ton class, which is quite often needed on site. The counterweights can be used as a standard 509,200 lbs or as 264,600 lbs light configuration, and the booms are 9.5ft wide for the standard and 8.0ft for the light configuration. This saves both transport cost and assembly time.

### Choice of Methods for Assembly/Disassembly of Luffing Jib

Jib assembly is possible using either the extended or inside holding methods. On sites where space is available, the extended method is faster, but the inside holding method, in which the jib is folded under the boom, can be used for assembly/disassembly when site space is limited.



### Quick Connection Device Option and Upper Transliifter Option for Assembly to the Base Machine

When assembling or disassembling the upper and lower frames of the crane, the hydraulic quick connection device makes the process fast and accurate. In addition, by choosing the optional upper transliifter for assembling to the machine, the crane can be assembled without an auxiliary crane.



## Smooth and comfortable. Convenience and comfort extend to every corner.



### New Cab Design Offers Excellent Operational Efficiency and Superior Interior Comfort.

NEW

- 1 More space inside**  
The cabin maximises comfort in operation and under way.
- 2 Wide front glass**  
The wide field of view makes for safer, more efficient operation.
- 3 New M/L monitor**  
One monitor provides a clear image for checking the angles that are difficult to see with the naked eye, improving operational safety. The angle can be adjusted freely for smooth visual checks and receipt of instructions.
- 4 Short lever**  
Easily-held grips fit the hand perfectly. SL6000G and SL4500G offer mobility, as well as instantaneous course changes and swing.
- 5 Cab entrance width increased from 22inch to 31 inch**  
This makes entrance and exit much easier.
- 6 More foot room**  
The added space reduces fatigue and stress.
- 7 Overhead glass offering a clear view**  
Tough laminated glass overhead eliminates the need for a roof guard, expanding the operator's field of vision.
- 8 Better State-recognition**  
The operator can confirm the slant of the crane itself as well as the condition of all attachments. ※SL6000G only
- 9 High-quality seat upholstery**  
The seat offers a feel of comfort and quality. Both the lever stand and seat are adjustable for comfort and ergonomics.
- 10 Fully trimmed interiors**  
The well-appointed interior enhances pride in workmanship.

### Cab Tilt Function Makes High-rise Work Easier

The cab can be tilted back up to 15 degrees, increasing operator comfort doing high-elevation work.



※ Equipped with both wiper and boom.



## Clear Interface Design for Smoother Operations

NEW

The interface gathers all the important data and operational items into one compact space. The switch and gauge layout takes both operator field of view and hand movement into consideration. Easy-to-understand pictograms, a clear M/L monitor, and touch-panel operation add up to major improvements in operating efficiency.

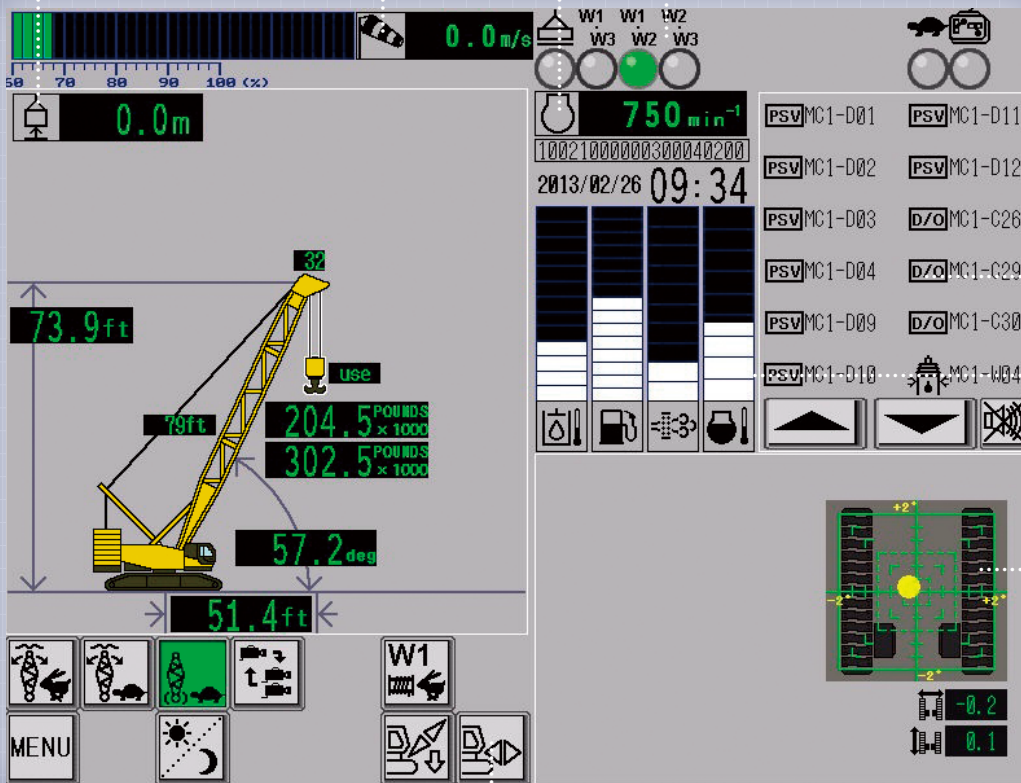
\*Interface panels will differ with model and equipment types.

Hook height

Wind speed Option Engine speed

### Easy-to-see display lamp

- W1/W2/W3 winch selector
- Slow speed state
- Remote control connection



### Error message

Touch to display details in a pop-up window.

### Gauges

- Hydraulic oil temperature
- Fuel remaining
- Sediment accumulated
- Coolant temperature

### Machine inclination sensor

An optional machine inclination sensor offers a visual representation of the current inclination of the crane body.

\* SL6000G only

Universally understood pictograms provide intuitive visual recognition.

### Switches

- Swing mode (free, high speed)
- Swing mode (free, low speed)
- Swing mode (braked, low speed)
- Camera switches
- Independent storage
- Menu
- Assembly/Disassembly
- DPR manual operation



**Quieter and smoother.  
Proactive safety and  
ecological considerations.**



● The photo is a composite.

**Exhaust-cleaning DPF**

NEW

The diesel particulate filter (DPF) system burns particulate matter (PM) collected by the diesel particulate filter (DPF) from the exhaust gas, thereby increasing PM collection efficiency and clearing the exhaust purification system.

**A New Clean Diesel System**

NEW

Although diesel engines consume less fuel and emit less CO<sub>2</sub> than petrol engines, they also emit more harmful particulate matter (PM) and nitrogen oxide (NO<sub>x</sub>). The New Clean Energy System engine utilises a DPF system to minimise PM emissions.



**Performance that Complies with Many Different Environmental Standards.**

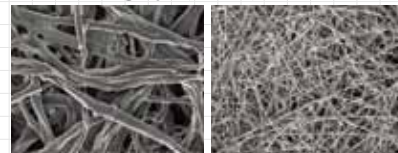
SL6000G and SL4500G utilise low-emission engines that comply with the United State's US EPA interim Tier IV and Euro stage IIIB emissions regulations.

※Act on Regulation of Emissions from Non-road Special Motor Vehicles.

**Super-fine Filter,  
Long-life Filter for Hydraulic Oil**

The large-capacity, super-fine filter is made of a high-performance filter medium consisting of glass fibre reinforced with steel wires. The replacement cycle is four times longer than that of conventional filters, which reduces lifelong operation costs.

Photomicrograph (×250)



Conventional filter  
(paper fibre)

Super fine filter  
(glass fibre)





## New Base Machine Layout for Easy Maintenance

The new layout on the base machine provides more space to access equipment for easier maintenance.



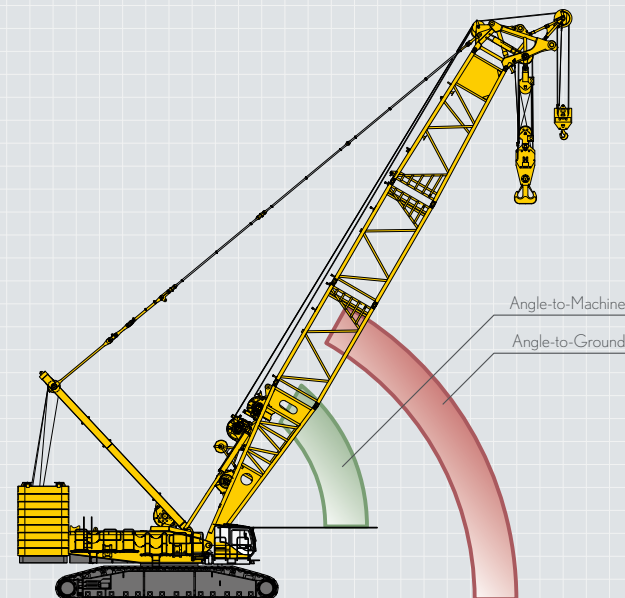
\*Transporting an SL4500G.

## Dust-resistant Slew Bearing with Inside Teeth

The standard Kobelco inner-cut gear swing bearings resist dust penetration and hold grease better than outer-cut bearings.

## Multi-stage System Prevents Boom Slew

With primary and secondary over-hoist prevention devices, this new safety system can prevent boom over-hoist at two stages. The primary stop function is activated when the boom or luffing boom approaches the critical angle-to-ground position during hoisting. This new system monitors the boom, luffing boom or jib angle-to-ground with a sensor, and immediately alerts the operator of any danger. Luffing boom angle-to-machine is also monitored. The secondary stop function uses a device that monitors the angle-to-machine of the boom, luffing boom, or jib through a limit switch fitted to the boom and jib backstops. It stops the machine automatically to prevent it from working outside the safety range, and once activated it cannot be cancelled.



## Better State-recognition

Machine inclination\* sensor and work area limit value ensure safe operations. \*SL6000G only



Machine inclination sensor    Work area limit value

## Industry-standard Automatic Stop Release Switch

Instead of a system of separate keys used to override automatic stop functions for over-load, hook over-hoist, and boom over-hoist, SL6000G and SL4500G employ a more reliable two-stage system of master key and individual switches. A single master key poses no administrative difficulties, and prevents easy override of the automatic stop.



## Automatic Soft-stop Function Reducing Shocks

The over-hoisting prevention device prevents the boom from lowering and the jib from hoisting, and softens automatic stopping when the boom is overloaded and swinging sideways.

## Highly Acclaimed Safety Devices

- Warning buzzer to alert people in surrounding areas when the crane swings.
- A one-way call system ensures operator safety.
- Function lock lever prevents accidental operation.
- Crawler movement directional markings are clearly visible.
- External alarms activate when the crane is moving or swinging. **Option**
- M/L external display lights inform people in the surrounding area of the crane's load state. **Option**
- Rear/main and aux. hoist drum/boom hoist state drum camera and monitor. **Option**



One-way call



Function lock lever

■ LINE-UP

	<b>SL6000G</b>			<b>SL4500G</b>			<b>SL4500G</b> Light Configuration
Model	SL6000G			SL4500G			SL4500G Light Configuration
LIFT ENHANCER	STD	HL	SHL	STD	HL	SHL	
HL Mast	-	98 ft	98 ft	-	98 ft	98 ft	-
Additional Weight	-	-	~ 551,100 lbs	-	-	~551,100 lbs	-
<b>HEAVY DUTY CRANE BOOM</b>							
Max. Lifting Capacity	992,000 lbs x 21.9 ft	815,600 lbs x 27.2 ft	1,212,500 lbs x 27.2 ft	-	-	-	-
Length	79 ~ 276 ft	118 ~ 276 ft	118 ~ 276 ft	-	-	-	-
<b>LUFFING BOOM</b>							
Max. Lifting Capacity	661,300 lbs x 32 ft	661,300 lbs x 28 ft	661,300 lbs x 50 ft	881,800 lbs x 18 ft	831,000 lbs x 22.3 ft	831,100 lbs x 38 ft	661,300 lbs*3x24ft/396,900 lbs x 32 ft
Length	98 ~ 276 ft	118 ~ 276 ft	118 ~ 276 ft	79 ~ 256 ft	98 ~ 276 ft	98 ~ 276 ft	79 ~ 256 ft
<b>LONG BOOM</b>							
Max. Lifting Capacity	216,000 lbs x 60 ft	216,000 lbs x 65 ft	216,000 lbs x 95 ft	250,200 lbs x 32 ft	-	-	198,400 lbs x 45 ft
Length	295 ~ 354 ft	295 ~ 354 ft	295 ~ 413 ft	197 ~ 315 ft	-	-	157 ~ 315 ft
<b>HEAVY FIXED JIB</b>	<b>Type A</b>	<b>Type B1</b>	<b>Type B2</b>	<b>Preliminary</b>			<b>Preliminary</b>
				<b>Type A</b>	<b>Type B</b>	<b>Type C</b>	
Max. Lifting Capacity	231,500 lbs x 65 ft	246,600 lbs x 65 ft	264,600 lbs x 65.7 ft	199,000 lbs x 59 ft	195,000 lbs x 72 ft	143,000 lbs x 137 ft	172,000 lbs x 59 ft
Boom Length (Min.~Max.)	217~256 ft	217~256 ft	217 ~ 256 ft	217 ~ 256 ft	236 ~ 276 ft	295 ~ 335 ft	217 ~ 246 ft
Jib Length (Min.~Max.)	59 ft	59 ft	59 ft	59 ft	59 ft	59 ft	59 ft
<b>LUFFING JIB</b>							
Max. Lifting Capacity	395,200 lbs x 50 ft	440,900 lbs x 47.2 ft	440,900 lbs x 47.2 ft	250,200 lbs x 52.5 ft	250,200 lbs x 52.5 ft	250,200 lbs x 52.5 ft	176,300 lbs x 52.5 ft
Boom Length (Min.~Max.)	98 ~ 196 ft	118 ~ 217 ft	118 ~ 276 ft	79 ~ 217 ft (236 ft)	98 ~ 236 ft (256 ft)	98 ~ 256 ft (276 ft)	98 ~ 217 m
Jib Length (Min.~Max.)	79 ~ 236 ft	79 ~ 236 ft	79 ~ 276 ft	79 ~ 217 ft (177 ft)	79 ~ 217 ft (177 ft)	79 ~ 217 ft (177 ft)	79 ~ 6217 ft
Luffing Angle	66 ~ 86 degree			66 ~ 86 degree			66 ~ 86 degree
<b>HOIST WINCH (H1, H2)</b>							
Max. Line Speed (1st layer)	360 ft/min			360 ft/min			360 ft/min
Rated Line Pull (Single line)	30,864 lbs			29,761 lbs			30,864 lbs
Wire Rope Diameter	28mm (inch)			28mm (inch)			28 mm (inch)
Wire Rope Length	2,723 ft			2,592 ft			H1:2,362 ft / H2:919 ft
<b>WORKING SPEED</b>							
Swing Speed	0.9 rpm			1.2 rpm			1.2 rpm
Travel Speed	0.62 / 0.4 mph			0.62 / 0.4 mph			0.62 / 0.4 mph
<b>POWER PLANT</b>							
Model	HINO E13C-VV			HINO E13C-VV			HINO E13C-VV
Engine Output	448 PS / 1,800 rpm			448 PS / 1,800 rpm			448 PS / 1,800 rpm
Fuel Tank	158 US gal			158 US gal			158 US gal
<b>HYDRAULIC SYSTEM</b>							
Main Pumps	7 variable displacement			7 variable displacement			7 variable displacement
Max. Pressure	4,620 psi			4,620 psi			4,620 psi
Hydraulic Tank Capacity	188 US gal			188 US gal			188 US gal
<b>WEIGHT</b>							
Operating Weight	Approx. 979,000 lbs *1			Approx. 910,000 lbs*2			Approx. 686,000 lbs *4
Ground Pressure	20.7psi*1			24.8psi*2			19.3psi*4
Counterweight	Upper: 441,000 lbs			Upper: 353,000 lbs			Upper: 265,000 lbs
	Carbody weights: 110,000 lbs			Lower : 112,000 lbs			Lower: 68,000 lbs
Transportation Weight *Note	140,057 lbs *A / 97,685 lbs *B			132,461 lbs *C / 99,210 lbs *D			132,461 lbs *C / 99,210 lbs *D
<b>DIMENSIONS</b>							
Transportation Width	9' 10"			9' 10"			9' 10"
Transportation Height	11' 2" / 7' 9"			11' 2" / 8' 4"			11' 2" / 8' 4"
Operating Width	32' 6"			28' 7"			28' 7"
Crawler Shoe Width	59"			48"			48"
Crawler Length	37' 8"			34' 6"			34' 6"
Tail Swing Radius	27' 4"			26' 11"			26' 11"
*Note: Please refer specification brochure for other transportation plans.	*1: Including base machine, counterweights (441,000 lbs), carbody weights (111,000 lbs), 79 ft STD heavy duty boom top and 450 metric ton hook block. Not including quick connection device and upper transflifer.			*2: Including base machine, counterweights (353,000 lbs), carbody weights (112,000 lbs), crawler weight (44,000 lbs), 79 ft luffing boom and 400 metric ton hook block. Not including quick connection device and upper transflifer.			*3: With standard boom configuration (width 9' 10" boom).
	*A: Base machine With: upper/lower connecting device, crane mast, mast raising cylinder, carbody, lower transflifer. Without: upper transflifer, aux. platform, boom foot pin removal cylinder, reeving wind.			*C: Base machine With: crane mast, W1 winch, carbody, lower transflifer. Without: upper/lower connecting device.			*4: Including base machine, counterweights (265,000 lbs), carbody weights (68,000 lbs), 79 ft luffing boom and 180t hook block. Not including quick connection device and upper transflifer.
	*B: Upper Structure With: upper / lower connecting device (upper), crane mast, mast raising cylinder Without: upper transflifer, lower transflifer, aux. platform, boom foot pin removal cylinder, reeving wind, carbody.			*D: Upper Structure With: crane mast, W1 winch, swing bearing, upper/lower connecting device, upper transflifer. Without: aux. platform, boom foot pin, reeving wind.			



A composite image featuring a yellow tower crane on the left and a dark steel structure on the right, set against a blue sky with light clouds. The crane is positioned on a mound of earth, and the steel structure consists of large, dark beams. The overall scene is a construction site.

We walk with you | Kobelco Cranes see the same future as you do.

**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 the 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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