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:**

<table>
<thead>
<tr>
<th></th>
<th>STANDARD</th>
<th>HEAVY LIFT</th>
<th>SUPER HEAVY LIFT</th>
</tr>
</thead>
</table>

### SL4500G

**STANDARD CONFIGURATION**

<table>
<thead>
<tr>
<th></th>
<th>STANDARD</th>
<th>HEAVY LIFT</th>
<th>SUPER HEAVY LIFT</th>
</tr>
</thead>
</table>

**LIGHT CONFIGURATION**

<table>
<thead>
<tr>
<th></th>
<th>Luffing Boom</th>
<th>Long Boom</th>
<th>Luffing Jib</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>198</strong></td>
<td>Luffing Boom</td>
<td>Long Boom</td>
<td>Luffing Jib</td>
</tr>
</tbody>
</table>

*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.

**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.

**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.

---

**Spooling Capacity**

<table>
<thead>
<tr>
<th>SL6000G</th>
<th>SL4500G Light Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,500ft</td>
<td></td>
</tr>
</tbody>
</table>

---

**Rated Line Pull (Single Line)**

| SL6000G, SL4500G Light Configuration | 30864 lbs |
| SL4500G | 29761 lbs |

---

**Max. Lifting Capacity**

<table>
<thead>
<tr>
<th>SL6000G Light Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Boom Length: 354ft*1 / Max. Luffing Jib Combination: 196+236ft</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SL4500G Light Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Boom Length: 315ft*1 / Max. Luffing Jib Combination: 217+217ft(236+177ft)</td>
</tr>
</tbody>
</table>

---

**Max. Lifting Capacity**

<table>
<thead>
<tr>
<th>SL6000G Light Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Boom Length: 276ft / Max. Luffing Jib Combination: 236+217ft(256+177ft)</td>
</tr>
</tbody>
</table>

---

**Max. Lifting Capacity**

<table>
<thead>
<tr>
<th>SL4500G Light Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Boom Length: 276ft / Max. Luffing Jib Combination: 256+217ft(276+177ft)</td>
</tr>
</tbody>
</table>

---

*Two options for SL4500G.
Transport/Assembly/Disassembly

Light and easy.
Innovation upon innovation for superior transportability.

<table>
<thead>
<tr>
<th>Model</th>
<th>SL6000G</th>
<th>SL4500G</th>
<th>SL4500G Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Weight</td>
<td>140,057 lbs</td>
<td>132,461 lbs</td>
<td>132,461 lbs</td>
</tr>
<tr>
<td></td>
<td>97,685 lbs</td>
<td>99,210 lbs</td>
<td>99,210 lbs</td>
</tr>
<tr>
<td>Transportation Width</td>
<td>9’ 10’</td>
<td>9’ 10’</td>
<td>9’ 10’</td>
</tr>
</tbody>
</table>

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.

Attachment Transport / Disassembly Streamlined in 6 Big Ways

1. Steel bar pendant
   The steel bar design is adopted to streamline assembly. It reduces rotation and misalignment during transport. 
   @SL6000G only

2. New counterweights
   A newly designed counterweight allows bucket rigging on the proper lifting rig 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
   Both the main winch and the reeving winch can be operated from inside the cab. Both winches have speed-adjusting dimmers 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
- Luffing Boom
- Long Boom
- Heavy Duty Boom Top
- Luffing Boom Top
- Luffing Jib Base
- Luffing Jib Top
- Insert Boom (Long)

---

**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.

**SLH Pallet Reduces Ground Pressure**

The Super Heavy Lift (SLH) 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**

Use the built-in, remote controlled translifter/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 9.5 ft wide for the standard and 8.0 ft 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 and Upper Translifter 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 translifter for assembling to the machine, the crane can be assembled without an auxiliary crane.
New Cab Design Offers Excellent Operational Efficiency and Superior Interior Comfort.

1. More space inside
   - The cabin maximizes 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 22 inch 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.
Cab Tilt Function Makes High-rise Work Easier

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

Clear Interface Design for Smoother Operations

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.

More space inside

The cabin maximises comfort in operation and under way.

Wide front glass

The wide field of view makes for safer, more efficient operation.

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.

Short lever

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Cab entrance width increased from 22 inches to 31 inches

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The operator can confirm the slant of the crane itself as well as the condition of all attachments.

* SL6000G only

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.

Fully trimmed interiors

The well-appointed interior enhances pride in workmanship.

NEW
### Exhaust-cleaning DPF

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

Although diesel engines consume less fuel and emit less CO₂ than petrol engines, they also emit more harmful particulate matter (PM) and nitrogen oxide (NOx). 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 IIB emissions regulations.

### 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 (x250)**

- Conventional filter (paper fibre)
- Super fine filter (glass fibre)
Exhaust-cleaning DPF
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
Although diesel engines consume less fuel and emit less CO2 than petrol engines, they also emit more harmful particulate matter (PM) and nitrogen oxide (NOx). The New Clean Energy System engine utilises a DPF system to minimise PM emissions.

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.

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 and Euro stage emissions regulations.

New Base Machine Layout for Easy Maintenance
The new layout on the base machine provides more space to access equipment for easier maintenance.

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.

Better State-recognition
Machine inclination* sensor and work area limit value ensure safe operations. *SL6000G only

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.

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.

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

Transporting an SL4500G.

The photo is a composite.
<table>
<thead>
<tr>
<th><strong>SL6000G</strong></th>
<th><strong>SL4500G</strong></th>
<th><strong>SL4500G Light Configuration</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LINE-UP</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td><strong>STD</strong></td>
<td><strong>HL</strong></td>
</tr>
<tr>
<td><strong>LIFT ENHANCER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL Mast</td>
<td>-</td>
<td>98 ft</td>
</tr>
<tr>
<td>Additional Weight</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>HEAVY DUTY CRANE BOOM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>992,000 lbs x 21.9 ft</td>
<td>815,600 lbs x 27.2 ft</td>
</tr>
<tr>
<td>Length</td>
<td>79 – 276 ft</td>
<td>118 – 276 ft</td>
</tr>
<tr>
<td><strong>LUFFING BOOM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>661,300 lbs x 32 ft</td>
<td>661,300 lbs x 28 ft</td>
</tr>
<tr>
<td><strong>LONG BOOM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>216,000 lbs x 60 ft</td>
<td>216,000 lbs x 65 ft</td>
</tr>
<tr>
<td>Length</td>
<td>295 – 354 ft</td>
<td>295 – 354 ft</td>
</tr>
<tr>
<td><strong>HEAVY FIXED JIB</strong></td>
<td>Type A</td>
<td>Type B1</td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>231,500 lbs x 65 ft</td>
<td>246,600 lbs x 65 ft</td>
</tr>
<tr>
<td>Jib Length (Min.–Max.)</td>
<td>59 ft</td>
<td>59 ft</td>
</tr>
<tr>
<td><strong>LUFFING JIB</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Lifting Capacity</td>
<td>395,200 lbs x 50 ft</td>
<td>440,900 lbs x 47.2 ft</td>
</tr>
<tr>
<td>Boom Length (Min.–Max.)</td>
<td>98 – 196 ft</td>
<td>118 – 217 ft</td>
</tr>
<tr>
<td>Jib Length (Min.–Max.)</td>
<td>79 – 236 ft</td>
<td>79 – 236 ft</td>
</tr>
<tr>
<td>Luffing Angle</td>
<td>66 – 86 degree</td>
<td>66 – 86 degree</td>
</tr>
<tr>
<td><strong>HOIST WINCH (H1, H2)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Line Speed (1st layer)</td>
<td>360 ft/min</td>
<td>360 ft/min</td>
</tr>
<tr>
<td>Rated Line Pull (Single line)</td>
<td>30,864 lbs</td>
<td>29,761 lbs</td>
</tr>
<tr>
<td>Wire Rope Diameter</td>
<td>28 mm (inch)</td>
<td>28 mm (inch)</td>
</tr>
<tr>
<td>Wire Rope Length</td>
<td>2,723 ft</td>
<td>2,592 ft</td>
</tr>
<tr>
<td><strong>WORKING SPEED</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swing Speed</td>
<td>0.9 rpm</td>
<td>1.2 rpm</td>
</tr>
<tr>
<td>Travel Speed</td>
<td>0.62 / 0.4 mph</td>
<td>0.62 / 0.4 mph</td>
</tr>
<tr>
<td><strong>POWER PLANT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>HINO E13C-VV</td>
<td>HINO E13C-VV</td>
</tr>
<tr>
<td>Engine Output</td>
<td>448 PS / 1,800 rpm</td>
<td>448 PS / 1,800 rpm</td>
</tr>
<tr>
<td>Fuel Tank</td>
<td>158 US gal</td>
<td>158 US gal</td>
</tr>
<tr>
<td><strong>HYDRAULIC SYSTEM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main Pumps</td>
<td>7 variable displacement</td>
<td>7 variable displacement</td>
</tr>
<tr>
<td>Max. Pressure</td>
<td>4,620 psi</td>
<td>4,620 psi</td>
</tr>
<tr>
<td>Hydraulic Tank Capacity</td>
<td>188 US gal</td>
<td>188 US gal</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Weight</td>
<td>Approx. 979,000 lbs*1</td>
<td>Approx. 910,000 lbs*2</td>
</tr>
<tr>
<td>Ground Pressure</td>
<td>20.7 psi*1</td>
<td>24.8 psi*2</td>
</tr>
<tr>
<td>Counterweight Upper</td>
<td>441,000 lbs</td>
<td>353,000 lbs</td>
</tr>
<tr>
<td>Carbody weights: 110,000 lbs Lower</td>
<td>112,000 lbs</td>
<td>Lower: 68,000 lbs</td>
</tr>
<tr>
<td>Transportation Weight**</td>
<td>140,057 lbs x 50 ft / 97,685 lbs x 48</td>
<td>132,461 lbs x 50 ft / 99,210 lbs x 48</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transportation Width</td>
<td>9' 10&quot;</td>
<td>9' 10&quot;</td>
</tr>
<tr>
<td>Transportation Height</td>
<td>11' 2&quot; / 7' 9&quot;</td>
<td>11' 2&quot; / 8’ 4&quot;</td>
</tr>
<tr>
<td>Operating Width</td>
<td>32' 6&quot;</td>
<td>28' 7&quot;</td>
</tr>
<tr>
<td>Crawler Shoe Width</td>
<td>59&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>Crawler Length</td>
<td>37’ 8&quot;</td>
<td>34’ 6&quot;</td>
</tr>
</tbody>
</table>

*Note: Please refer specification brochure for other transportation plans.

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**1:** Including base machine, counterweights (441,000 lbs), crane weights (111,000 lbs), 79 ft STD heavy duty boom top and 450 metric ton hook block. Not including quick connect device and upper transatlfer.

**2:** Including base machine, counterweights (353,000 lbs), crane weights (112,000 lbs), crawler weight (440,000 lbs), 79 ft luffing boom and 400 metric ton hook block. Not including quick connect device and upper transatlfer.

**3:** With standard boom configuration (width 9’10” boom).

**4:** Including base machine, counterweights (256,000 lbs), crane weights (86,000 lbs), 79 ft luffing boom and 180t hook block. Not including quick connect device and upper transatlfer.
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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