SK210LC SK210NLC

Lifting Capacities

<table>
<thead>
<tr>
<th>Load Code</th>
<th>3.0m</th>
<th>4.5m</th>
<th>6.0m</th>
<th>7.5m</th>
<th>9.0m</th>
<th>12.0m</th>
<th>15.0m</th>
<th>18.0m</th>
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</thead>
<tbody>
<tr>
<td>C</td>
<td>3.0m</td>
<td>2.5 m</td>
<td>2.0 m</td>
<td>1.5 m</td>
<td>1.0 m</td>
<td>0.5 m</td>
<td>0.0 m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10,010</td>
<td>14,270</td>
<td>16,430</td>
<td>17,930</td>
<td>19,860</td>
<td>21,010</td>
<td>22,100</td>
<td>23,150</td>
</tr>
<tr>
<td></td>
<td>14,920</td>
<td>19,320</td>
<td>20,270</td>
<td>21,850</td>
<td>24,000</td>
<td>25,070</td>
<td>26,490</td>
<td>28,030</td>
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<tr>
<td></td>
<td>17,930</td>
<td>22,700</td>
<td>23,470</td>
<td>25,210</td>
<td>27,300</td>
<td>28,570</td>
<td>30,140</td>
<td>31,750</td>
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<td>21,000</td>
<td>21,640</td>
<td>23,330</td>
<td>25,030</td>
<td>26,300</td>
<td>27,840</td>
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Note: Relief valve setting: 37.8 MPa {385 kgf/cm²}

Bucket: Without bucket

C: Lifting capacities in kg are marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

3. Arm top defined as lift point.

5. Operator should be fully acquainted with the Operator’s and Maintenance Instructions before operating the machine. Note for safe operation of equipment, do not overload all times.

6. Capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

Hazardous conditions, experience of personnel, etc.

7. Lift capacities apply to only machine as originally manufactured and

8. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

Copyright by Kobelco Construction Machinery Europe B.V. No part of this catalog may be reproduced in any manner without notice.
To urban centers, and to mines around the world, Kobelco’s all-out innovation brings you durable earth-friendly construction machinery that’s equal to any task, at sites all over the planet. Increased power and even greater fuel economy bring higher efficiency to any project. Kobelco SK210LC machines are also more durable than ever, able to withstand the rigors of the toughest job sites. It all adds up to new levels of value that are a step ahead of the times. Also, this machine conforms to Stage IV Exhaust Emission Standards, thanks to its significantly reduced NOx* emissions. While focusing on the global environment of the future, Kobelco offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers the world over.

* NOx: Nitrogen Oxide

Power Meets Efficiency

SK210\textsubscript{LC} SK210\textsubscript{NLC}
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To urban centers and to mines around the world, Kobelco’s all-out innovation brings you durable earth-friendly construction machinery that’s equal to any task, at sites all over the planet. Increased power and even greater fuel economy bring higher efficiency to any project. Kobelco SK210LC machines are also more durable than ever, able to withstand the rigors of the toughest job sites. It all adds up to new levels of value that are a step ahead of the times. Also, this machine conforms to Stage IV Exhaust Emission Standards, thanks to its significantly reduced NOx* emissions. While focusing on the global environment of the future, Kobelco offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers the world over.

* NOx: Nitrogen Oxide
Evolution Continues, with Improved Fuel Efficiency

Arm Inter/f_low System
When lowering the boom, this system uses the downward force generated by the boom’s weight to push fluid to the shovel arm. This greatly reduces the need to apply power from outside the system.

Hydraulic circuit reduces energy loss
We have made every effort to enhance fuel efficiency by minimizing hydraulic pressure resistance, improving the hydraulic line layout to control friction resistance loss and minimizing valve resistance.

In Pursuit of Improved Fuel Efficiency

Operation Mode
Fuel consumption is lower in ECO-mode/S-mode in comparison with the previous model (Generation 9).

ECO-mode ... About 6% improvement
S-mode ... About 10% improvement
H-mode ... About 2% improvement

The new arm inter/f_low system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 10%*1. The engine, already well-known for its environmental performance has a new SCR*2 system, and its reduced NOx emissions means the engine now meets Stage IV Standards.

ECO-mode (SK210LC-10)

About 6% improvement

The engine, already well-known for its environmental performance has a new SCR*2 system, and its reduced NOx emissions means the engine now meets Stage IV Standards.

SCR System with DEF/AdBlue

The engine exhaust system has an SCR system that converts NOx emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disperses PM, the SK210LC has a much cleaner exhaust that meets Stage IV exhaust emission standards.

About 88% decrease
Evolution Continues, with Improved Fuel Efficiency

Hydraulic System: Revolutionary Technology Saves Fuel

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Over the past 10 years, Kobelco has achieved an average reduction of about 18% in fuel consumption. And we vow to continue to lead in fuel efficiency.

AIS (Auto Idle Stop)
If the boarding/disembarking lever is left up, the engine will stop automatically. This eliminates wasteful idling during standby, saving fuel and reducing CO2 emissions as well.

Engine Meets Stage IV Standards
Reduces Fuel Consumption and Minimizes Exhaust Emissions
Hino engines are renowned for fuel efficiency and environmental performance, and Kobelco has tuned these powerplants especially for construction machinery. The pressure within the common rail fuel injection system, the VG turbo, and the exhaust gas after-treatment system reduce exhaust PM while the large-capacity EGR cooler sharply reduces the formation of NOx gases.

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- NOx reduction rate: About 88% decrease

EGR Cooler Reduces NOx
While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the air intake and re-circulated into the engine. The lowered oxygen temperature lowers the combustion temperature and increases combustion efficiency.

The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 10%*. The engine, already well-known for its environmental performance has a new SCR** system, and its reduced NOx emissions means the engine now meets Stage IV Standards.

* Compared to previous model (SK210LC-9)
** SCR: Selective Catalytic Reduction
The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and ample digging power, this excavator promises to improve your job productivity.

### Improved fuel efficiency contributes to high performance

**Superior Digging Volume**

This excavator offers dynamic digging force and a high class digging depth, achieving class-leading work volume. H-mode with an increased torque setting delivers about 7% greater digging volume.

**Digging volume/hour**
- Normal: 143 kN
- With Power Boost: 157 kN

**Max. Bucket Digging Force**
- Normal: 102 kN
- With Power Boost: 112 kN

*Values are for HD arm (2.94 m)

**Top Class Traveling Force**

Powerful traveling force and pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.

- Drawbar Pulling Force: 229 kN

**Get More Done Faster with Superior Operability**

A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.

- Piping for Quick Hitch (optional)

It takes 25% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

- A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.

**Operator-friendly Features Include Controls that Are Easy to See, Easy to Use**

- Analog gauge provides intuitive reading of fuel level and engine water temperature
- Green indicator light shows low fuel consumption during operation
- PM accumulation display / AdBlue level gauge (right)
- Fuel consumption/Switch indicator for rear camera images
- Digging mode switch
- Monitor display switch

**One-Touch Attachment Mode Switch**

A simple flick of a switch converts the hydraulic circuit and flow amount to match attachment changes, helping the operator to confirm the proper configuration at a glance.

**Multi-Display in Color**

Brilliant colors and graphic displays are easy to recognize on the LCD multi-display in the console. The display shows fuel consumption, maintenance intervals, and more.

- Fuel consumption
- Maintenance
- PM accumulation display
- AdBlue accumulation display

**Drawbar Pulling Force**

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**Top class excavating reach extends working range**

- Max. digging reach: 9,900 mm
- Max. digging depth: 6,700 mm
- Max. vertical wall digging depth: 6,100 mm

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Increased Power, with Enhanced Durability to Maintain the Machine's Value

The attachment has been reinforced to handle a higher work volume, with greater power and excellent durability that can withstand demanding work conditions.

1. Enlarged Reinforcement of the Arm Foot
   HD: Base plate thickness has been increased 1.3 times (20 t).

2. Modified Foot Boss Shape
   New: The arm foot boss shape has been modified and improved to distribute stress, delivering 2.6 times more strength for tasks like digging next to a wall.

Improved Filtration System Reliability

Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

Hydraulic Fluid Filter
Recognized as the best in the industry, our superfine filter separates out even the smallest particles. New cover prevents contamination when changing filters.

Hydraulic Fluid Filter Clog Detector
Pressure sensors at the inlet and outlet of the hydraulic fluid filter monitor differences in pressure to determine the degree of clogging. If the difference in pressure exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be removed from the filter before it reaches the hydraulic fluid reservoir.

Double-Element Air Cleaner
The large-capacity element features a double-filter structure that keeps the engine running clean even in industrial environments.

Fuel Filter
The pre-filter, with built-in water separator, is a new addition that features a final stage to maximize filtering performance.

Productivity
Increase in productivity means "Power"

Structural design increases strength, while eliminating hydraulic problems. Enhanced durability takes productivity to a new level.
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Comfortable Cab Is Now Safer than Ever

A work environment that is quieter and more comfortable. A cab that puts the operator first is key to improved safety.

**Comfort**

**Super-Airtight Cab**
The high level of air tightness keeps dust out of the cab.

**Quiet Inside**
The high level of air tightness ensures a quiet, comfortable cabin interior.

**Low Vibration**
Coil springs absorb small vibrations, and high suspension mounts filled with silicone oil reduce heavy vibration. The long stroke achieved by this system provides excellent protection from vibration.

**Air Conditioner Register behind the Seat**
The large air-conditioner has registers on the back pillars that blow from behind and to the right and left of the operator’s seat. They can be adjusted to put a direct flow of cool/warm air on the operator, which means a more comfortable operating environment.

**More Comfortable Seat Means Higher Productivity**

**Large Cab Is Easy to Get in and out of**
The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

**Safety**

**ROPS Cab**
ROPS (Roll-Over-Protective Structure) compliant cab clears ISO standards (ISO-12117-2: 2008) and ensures greater safety for the operator should the machine tip over.

**Expanded Field of View for Greater Safety**
Greater safety assured by rearview mirrors on left and right, and a third mirror mounted at lower right.

**Interior Equipment Adds to Comfort and Convenience**

**Rear View Camera**
A rear view camera is installed as standard to simplify checking for safety behind the machine. The picture appears on the color monitor.
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Automatic AM/FM radio

Spacious storage tray

Large cup holder

More Comfortable Seat Means Higher Productivity

The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

Interior Equipment Adds to Comfort and Convenience

Automatic AM/FM radio

USB port/24V power outlet

Spacious storage tray

Large cup holder

A work environment that is quieter and more comfortable. A cab that puts the operator first is key to improved safety.
KOMEXS (KOBELCO Monitoring Excavator System) uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult. When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

Remote Monitoring for Peace of Mind
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Operating Hours
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Fuel Consumption Data
Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Maintenance Data and Warning Alerts
- Provides maintenance status of separate machines operating at multiple sites.
- Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.

Warning Alerts
This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received through E-mail
Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.

Graph of Work Content
The graph shows how working hours are divided among different operating categories, including digging, idling, traveling, and optional operations.

Daily/Monthly Reports
Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Security System
Engine Start Alarm
An alarm can be set if the machine is operated outside its designated area.

Area Alarm
An alarm can be set if the machine is moved out of its designated area to another location.
**Direct Access to Operational Status**

**Location Data**
- Accurate location data can be obtained even from sites where communications are difficult.

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**Maintenance Data and Warning Alerts**
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- Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.

**Graph of Work Content**
The graph shows how working hours are divided among different operating categories, including digging, idling, traveling, and optional operations.

**Warning Alerts**
This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

**Alarm Information Can Be Received through E-mail**
Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.

**Security System**
- Engine Start Alarm
  - An alarm can be set if the machine is moved outside designated time.

**Area Alarm**
An alarm can be set if the machine is moved out of its designated area to another location.

**Daily/Monthly Reports**
Operational data downloaded onto a computer helps in formulating daily and monthly reports.
Efficient Maintenance Keeps the Machine in Peak Operating Condition

More Efficient Maintenance Inside the Cab

- More finely differentiated fuses make it easier to locate malfunctions.
- Internal and external air conditioner filters can be easily removed without tools for cleaning.
- If the monitor warning goes off, the filter should be reactivated manually using a switch.

Easy Cleaning

- Special crawler frame design is easily cleaned of mud.
- Detachable two-piece floor mat with handles for easy removal. A floor drain is located under floor mat.
- Engine oil pan equipped with drain valve.

Long-Interval Maintenance

- Long-life hydraulic oil reduces cost and labor.
- Replacement cycle: 1,000 hours

Highly Durable Super-fine Filter

- The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.

Easy, On-the-Spot Maintenance

There is ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanic can work in comfort, without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.

Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.
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The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.

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- The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.

Examples of displaying maintenance information

- Displays only the maintenance information that’s needed, when it’s needed.
- Self-diagnostic function provides early warning detection and display of electrical system malfunctions.
- Service diagnostic function makes it easier to check the status of the machine.
- Record function of previous breakdowns including regular and transient malfunction.

Easy, On-the-Spot Maintenance

There’s ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanics can work in comfort, without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.

Laid out for easy access to radiator and cooling system elements

- Engine oil filter
- Fuel filter
- Pre-filter
- Engine oil filter

Engine oil pan

- Engine oil pan equipped with drain valve.

Detachable two-piece floor mat

- Detachable two-piece floor mat with handles for easy removal. A floor drain is located under floor mat.

Crawler frame

- Special crawler frame design is easily cleaned of mud.

DEF/AdBlue tank

- Engine oil pan equipped with drain valve.

Step/Hand rail

- Generous space for easy access work.

Positioned where the step opens.

- Step head roll

Examples of displaying maintenance function

- Displays only the maintenance information that’s needed, when it’s needed.
- Self-diagnostic function provides early warning detection and display of electrical system malfunctions.
- Service diagnostic function makes it easier to check the status of the machine.
- Record function of previous breakdowns including regular and transient malfunction.
Specifications

**Engine**

<table>
<thead>
<tr>
<th>Model</th>
<th>J05EUM-KSSC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Direct injection, water-cooled, 4-cylinder diesel engine with turbocharger, intercooler</td>
</tr>
<tr>
<td>No. of cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Bore and stroke</td>
<td>112 mm x 130 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>5.123 L</td>
</tr>
<tr>
<td>Rated power output</td>
<td>124 kW/2,000 min⁻¹ (ISO 9249)</td>
</tr>
<tr>
<td>Max. torque</td>
<td>450 Nm/1,600 min⁻¹ (ISO 9249)</td>
</tr>
</tbody>
</table>

**Pump**

| Type | Two variable displacement pumps + one gear pump |
| Max. discharge flow | 2 x 220 L/min, 1 x 20 L/min |
| Boom, arm and bucket | 34.3 MPa (350 kgf/cm²) |
| Power Boost | 37.8 MPa (385 kgf/cm²) |
| Travel circuit | 34.3 MPa (350 kgf/cm²) |
| Swing circuit | 39.0 MPa (398 kgf/cm²) |
| Control circuit | 30.0 MPa (308 kgf/cm²) |
| Pilot control pump | Gear type |
| Main control valve | 8 spool |
| Oil cooler | Air cooled type |

**Swing System**

| Swing motor | Axial piston motor |
| Brake | Hydraulic, locking automatically when the swing control lever is in neutral position |
| Parking brake | Oil disc brake, hydraulic operated automatically |
| Swing speed | 12.7 m/min (rpm) |
| Tail swing radius | 2,910 mm |
| Min. front swing radius | 3,550 mm |

**Refilling Capacities & Lubrications**

| Fuel tank | 320 L |
| Cooling system | 19 L |
| Engine oil | 20 L |
| Travel reduction gear | 2 x 5.3 L |
| Swing reduction gear | 2.7 L |
| Hydraulic oil tank | 140 L tank oil level |
| DEF/AdBlue tank | 8 L |

**Attachments**

<table>
<thead>
<tr>
<th>Backhoe bucket and combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
</tr>
<tr>
<td>Opening width</td>
</tr>
<tr>
<td>No. of teeth</td>
</tr>
<tr>
<td>Can be turned over</td>
</tr>
<tr>
<td>Bucket weight</td>
</tr>
<tr>
<td>Combination</td>
</tr>
<tr>
<td>3.5 m long arm</td>
</tr>
</tbody>
</table>

| Standard combination | General operation | Light operation |

**Travel System**

| Travel motors | 2 x axial-piston, two-step motors |
| Travel brakes | Hydraulic brake per motor |
| Parking brakes | Oil disc brake per motor |
| Travel stroke | 49 each side |
| Travel speed | 6.0/5.6 km/h |
| Drawbar pulling force | 229 kN (ISO 7464) |
| Grading ability | 70% (5') |

**Hydraulic System**

<table>
<thead>
<tr>
<th>Swing System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil tank</td>
</tr>
<tr>
<td>Swing reduction gear</td>
</tr>
<tr>
<td>Engine oil</td>
</tr>
<tr>
<td>Boom cylinders</td>
</tr>
<tr>
<td>Arm cylinder</td>
</tr>
<tr>
<td>Bucket cylinder</td>
</tr>
</tbody>
</table>

**Working Ranges**

<table>
<thead>
<tr>
<th>Sketch</th>
<th>Unit: m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
<td>Short (2.4 m)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>6,680</td>
</tr>
<tr>
<td>Overall height (to top of boom)</td>
<td>11,750</td>
</tr>
<tr>
<td>Overall height (to top of cab)</td>
<td>11,750</td>
</tr>
<tr>
<td>Overall length</td>
<td>3,660</td>
</tr>
<tr>
<td>Tumbler distance</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Overall length of crawler</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Overall length of upper structure</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Overall width of crawler</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Overall width of upper structure</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Overall width of antennae</td>
<td>2,710</td>
</tr>
</tbody>
</table>

**Dimensions**

**Operating Weight & Ground Pressure**

In standard trim, with standard boom, 2.94 m arm, and 0.8 m³ ISO heaped bucket

<table>
<thead>
<tr>
<th>Sketch</th>
<th>Unit: m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show weight</td>
<td>mm</td>
</tr>
<tr>
<td>Overall width of crawler</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>SK210LC</td>
</tr>
<tr>
<td>Operating weight</td>
<td>kg</td>
</tr>
<tr>
<td>Operating weight</td>
<td>SK210NLC</td>
</tr>
</tbody>
</table>

*Power Boost engaged*
**Specifications**

**Engine**
- Model: JS210LC-5SE
- Type: Direct injection, water-cooled, 4-cylinder diesel engine with turbocharger, intercooler
- No. of cylinders: 4
- Bore and stroke: 112 mm x 130 mm
- Displacement: 5,123 cm³
- Rated power output: 179 kW (2,000 rpm) ISO 9249
- Max. torque: 1,430 Nm (1,600 rpm) ISO 14396
- Max. speed: 50 km/h

**Hydraulic System**
- Type: Two variable displacement pumps + one gear pump
- Max. discharge of pump: 124 L/min
- Pump: 34.3 MPa (350 kg/cm²)
- Gear type: two variable displacement pumps + one gear pump
- Oil cooler: Air cooled type

**Swing System**
- Swing motor: Axial piston motor
- Brake: Hydraulically locking automatically when the swing control lever is in neutral position
- Power Boost engaged: 2,910 kW / 2,000 min⁻¹ (ISO 9249)

**Travel System**
- Travel motors: 2 x axial piston, two-stage motors
- Travel brakes: Hydraulic brake per motor
- Travel speed: 6.5 - 6.6 km/h
- Drawbar pulling force: 229 kN (ISO 7464)
- Gravellability: 70% (33')

**Cabin & Control**
- Cab: All-weather, sound-suppressed cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.
- Control: Electric rotary-type engine throttle
- Two hand levers for excavating and swing

**Attachments**
- Backhoe bucket and combination
  - Standard combination:
    - 3.5 m long arm: 660 N/m²
    - 2.94 m standard arm: 830 N/m²

**Operating Weight & Ground Pressure**
- In standard trim, with standard boom, 2.94 m arm, and 0.8 m³ ISO heaped bucket

**Digging Force (ISO 6015)**

<table>
<thead>
<tr>
<th>Arm</th>
<th>Short</th>
<th>Standard</th>
<th>Long</th>
<th>Unit: kN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.55</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
<th>Max. digging reach</th>
<th>9.42</th>
<th>1.9</th>
<th>10.34</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Max. digging reach</td>
<td>9.24</td>
<td>9.73</td>
<td>10.17</td>
</tr>
<tr>
<td>D</td>
<td>Max. digging depth</td>
<td>6.16</td>
<td>6.7</td>
<td>7.26</td>
</tr>
<tr>
<td>E</td>
<td>Max. digging height</td>
<td>6.57</td>
<td>6.1</td>
<td>6.47</td>
</tr>
<tr>
<td>F</td>
<td>Max. digging clearance</td>
<td>2.98</td>
<td>2.43</td>
<td>2.67</td>
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</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>B</th>
<th>Overall length</th>
<th>9,450</th>
<th>9,300</th>
<th>9,600</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Overall height (to top of boom)</td>
<td>2,910</td>
<td>3,080</td>
<td>3,150</td>
</tr>
<tr>
<td>D</td>
<td>Overall length of crawler</td>
<td>3,350</td>
<td>3,500</td>
<td>3,900</td>
</tr>
<tr>
<td>E</td>
<td>Overall width of crawler</td>
<td>2,150</td>
<td>2,300</td>
<td>2,350</td>
</tr>
<tr>
<td>F</td>
<td>Overall height (to top of frame)</td>
<td>1,600</td>
<td>1,700</td>
<td>1,750</td>
</tr>
<tr>
<td>G</td>
<td>Overall width of superstructure</td>
<td>2,710</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Working Ranges**

<table>
<thead>
<tr>
<th>B</th>
<th>Overall length</th>
<th>9,450</th>
<th>9,300</th>
<th>9,600</th>
</tr>
</thead>
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<td>C</td>
<td>Overall height (to top of boom)</td>
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<td>3,150</td>
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<tr>
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<td>Overall length of crawler</td>
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<td>3,500</td>
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<tr>
<td>E</td>
<td>Overall width of crawler</td>
<td>2,150</td>
<td>2,300</td>
<td>2,350</td>
</tr>
<tr>
<td>F</td>
<td>Overall height (to top of frame)</td>
<td>1,600</td>
<td>1,700</td>
<td>1,750</td>
</tr>
<tr>
<td>G</td>
<td>Overall width of superstructure</td>
<td>2,710</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Recharging Capacities & Lubrications**
- Fuel tank: 320 L
- Cooling system: 19 L
- Engine oil: 28 L
- Travel reduction gear: 2 x 3.3 L
- Swing reduction gear: 2.7 L
- Hydraulic oil tank: 140 L tank oil level
- DEF/AdBlue tank: 320 L

**Operating Weight**
- SK210LC kg: 22,100
- SK210NLC kg: 22,300
- SK210NLC kPa: 101*
### Lifting Capacities

<table>
<thead>
<tr>
<th>Radius</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
<th>At Max Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m</td>
<td>11.960</td>
<td>11.400</td>
<td>11.050</td>
<td>10.600</td>
<td>10.150</td>
</tr>
<tr>
<td>6.0 m</td>
<td>11.680</td>
<td>11.000</td>
<td>10.500</td>
<td>10.000</td>
<td>9.500</td>
</tr>
<tr>
<td>4.5 m</td>
<td>11.100</td>
<td>10.350</td>
<td>9.900</td>
<td>9.500</td>
<td>9.050</td>
</tr>
<tr>
<td>3.0 m</td>
<td>10.300</td>
<td>9.700</td>
<td>9.150</td>
<td>8.700</td>
<td>8.250</td>
</tr>
<tr>
<td>1.5 m</td>
<td>9.600</td>
<td>8.950</td>
<td>8.500</td>
<td>8.200</td>
<td>7.850</td>
</tr>
</tbody>
</table>

**Notes:**
1. Do not attempt to lift or build any load that is greater than the lifting capacities at their specified ground clearance. Weight of all attachments, loads, and equipment should be considered in all cases.
2. Lifting capacities are based on machine standing on level, firm, and uniform ground. User must make allowances for all conditions such as load, wind, ground, and state of the equipment, to avoid stopping of loads, hazardous conditions, etc.
3. Arm top defined as lift point.
4. The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic relief valve setting. Relief valve setting: 37.8 MPa (385 kgf/cm²).

### SK210LC Specifications

#### Working Ranges

<table>
<thead>
<tr>
<th>Radius</th>
<th>Short</th>
<th>Standard</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 m</td>
<td>0.77</td>
<td>0.61</td>
<td>0.50</td>
</tr>
<tr>
<td>2.0 m</td>
<td>1.06</td>
<td>0.80</td>
<td>0.68</td>
</tr>
<tr>
<td>2.5 m</td>
<td>1.35</td>
<td>1.08</td>
<td>0.87</td>
</tr>
<tr>
<td>3.0 m</td>
<td>1.64</td>
<td>1.30</td>
<td>1.08</td>
</tr>
<tr>
<td>3.5 m</td>
<td>1.93</td>
<td>1.56</td>
<td>1.35</td>
</tr>
<tr>
<td>4.0 m</td>
<td>2.23</td>
<td>1.79</td>
<td>1.60</td>
</tr>
</tbody>
</table>

#### Digging Force (ISO 6015)

<table>
<thead>
<tr>
<th>Radius</th>
<th>Short</th>
<th>Standard</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 m</td>
<td>143</td>
<td>143</td>
<td>143</td>
</tr>
<tr>
<td>2.0 m</td>
<td>139</td>
<td>139</td>
<td>139</td>
</tr>
<tr>
<td>2.5 m</td>
<td>135</td>
<td>135</td>
<td>135</td>
</tr>
</tbody>
</table>

#### Dimensions

<table>
<thead>
<tr>
<th>Unit</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short</td>
<td>422</td>
</tr>
<tr>
<td>Standard</td>
<td>422</td>
</tr>
<tr>
<td>Long</td>
<td>422</td>
</tr>
</tbody>
</table>

**Power Boost engaged**
Lifting Capacities

<table>
<thead>
<tr>
<th>Lifting Capacities</th>
<th>1.5 m kg</th>
<th>3.0 m kg</th>
<th>4.5 m kg</th>
<th>6.0 m kg</th>
<th>7.5 m kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 m kg</td>
<td>4.450</td>
<td>6.080</td>
<td>7.800</td>
<td>9.300</td>
<td>10.800</td>
</tr>
<tr>
<td>3.0 m kg</td>
<td>3.250</td>
<td>4.500</td>
<td>5.700</td>
<td>6.900</td>
<td>8.100</td>
</tr>
<tr>
<td>1.5 m kg</td>
<td>5.150</td>
<td>6.350</td>
<td>7.500</td>
<td>8.650</td>
<td>9.750</td>
</tr>
<tr>
<td>G.L. kg</td>
<td>8.690</td>
<td>11.000</td>
<td>13.350</td>
<td>15.600</td>
<td>17.850</td>
</tr>
<tr>
<td>4.5 m kg</td>
<td>4.400</td>
<td>5.800</td>
<td>7.200</td>
<td>8.600</td>
<td>10.000</td>
</tr>
<tr>
<td>3.0 m kg</td>
<td>3.200</td>
<td>4.500</td>
<td>5.700</td>
<td>6.900</td>
<td>8.100</td>
</tr>
<tr>
<td>1.5 m kg</td>
<td>5.150</td>
<td>6.350</td>
<td>7.500</td>
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<td>9.750</td>
</tr>
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<td>G.L. kg</td>
<td>8.690</td>
<td>11.000</td>
<td>13.350</td>
<td>15.600</td>
<td>17.850</td>
</tr>
<tr>
<td>3.0 m kg</td>
<td>0.580</td>
<td>0.700</td>
<td>0.820</td>
<td>0.940</td>
<td>1.060</td>
</tr>
<tr>
<td>1.5 m kg</td>
<td>0.500</td>
<td>0.620</td>
<td>0.740</td>
<td>0.860</td>
<td>0.980</td>
</tr>
<tr>
<td>G.L. kg</td>
<td>0.700</td>
<td>0.820</td>
<td>0.940</td>
<td>1.060</td>
<td>1.180</td>
</tr>
</tbody>
</table>

**Rating over front**

- **A**
  - Rating over side or 360 degrees
  - Rating over front

- **B**
  - Radius
  - Short Arm
  - Long Arm

SK210LC

<table>
<thead>
<tr>
<th>Bucket width (mm)</th>
<th>600</th>
<th>800</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Ranges</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5 m kg</td>
<td>0.580</td>
<td>0.620</td>
<td>0.660</td>
</tr>
<tr>
<td>4.5 m kg</td>
<td>0.500</td>
<td>0.620</td>
<td>0.740</td>
</tr>
<tr>
<td>7.5 m kg</td>
<td>0.500</td>
<td>0.620</td>
<td>0.740</td>
</tr>
</tbody>
</table>

**Dimensions**

- **A**
  - Reach from centerline to arm tip
  - Arm tip height above/below ground

- **B**
  - Lifting capacities in kilograms
  - Without bucket
  - Relief valve setting: 37.6 MPa (380 kgf/cm²)

**Notes:**

1. Do not attempt to lift or build any load that is greater than three lifting capacities at their specified load limits at any time.Weights of all辅助 components (e.g. buckets) are included in the lifting capacities.
2. Stopping of loads, hazardous conditions, experience of personnel, etc.
3. The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic rating over front.
4. Lifting capacity over side or 360 degrees is limited to 50% of the lifting capacity over front.
5. Operator should be fully acquainted with the Operator’s and Maintenance Instructions before proceeding with any operation. The machine should be operated only by personnel who have been trained.
6. Lifting capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.
### Lifting Capacities

<table>
<thead>
<tr>
<th>SK210LC</th>
<th>SK210NLC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lift Capacity</strong></td>
<td><strong>Bucket Lift Capacity</strong></td>
</tr>
<tr>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
</tr>
<tr>
<td><strong>Hazardous Condition</strong></td>
<td><strong>Normal Condition</strong></td>
</tr>
<tr>
<td>1.5 m</td>
<td>Kg</td>
</tr>
<tr>
<td>4.5 m</td>
<td>Kg</td>
</tr>
<tr>
<td>6.0 m</td>
<td>Kg</td>
</tr>
<tr>
<td>7.5 m</td>
<td>Kg</td>
</tr>
<tr>
<td>9.0 m</td>
<td>Kg</td>
</tr>
</tbody>
</table>

### Standard Equipment

- Engine: M90-7DE5K/K25, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Automatic engine oil pressure gauge
- Batteries (2x 12V - 96Ah)
- Starting motor (24V - 5kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pressure gauge
- Double element air cleaner
- KOBELCO
- Working mode selector (1-mode, 5-mode and ECO mode)
- Frame Mount
- Heavy fit
- ABBWING SYSTEM & TRAVEL SYSTEM
- Swing oil return system
- Straight travel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track link
- Grease type track adjustor
- Automatic swing brake
- HYDRAULIC
- Tire pressure monitoring system
- Auto-axle swan neck system
- Aluminum hydraulics oil cooler

### Optional Equipment

- Various optional arms
- Wide range of shoes
- Additional track guide
- Object Handling Kit (boom and arm safety valve + hook)

### Airports & Lights

- Three-maintenance lights
- Three-front working lights
- Two central lights, pilot-operated
- Two front lights
- Four lights (interior)
- Three lights (exterior)
- Side lights (interior)
- Detachable two-piece floor mat
- Handrails
- Emergency wind-down switch
- Equipment fire extinguisher
- Headlight
- Multifunctional windshield wiper with double-spray washer
- Daylight
- Electrical safety glass
- Roll-up type front window and removable lower front window
- Easy-to-read multi display color monitor
- Automatic air conditioner
- Emergency escape hammer
- Escalator seat
- Radio, AM/FM stereo with speaker
- Top guard

### Note:

- Standard and optional equipment may vary. Consult your Kobelco dealer for specifics.
- This catalog may contain attachments and optional equipment that are not available in your area. Please consult your nearest Kobelco distributor for those items you require.
- Differences between lifting capacities in this catalog may differ from those of machines sold in your areas. Please consult your nearest Kobelco distributor for those items you require.
- This catalog may contain photographs of machines with specifications that differ from those of machines sold in your area. Please consult your nearest Kobelco distributor for those items you require.
- Specialist equipment is needed to use this machine in demolition work. Before using it please contact your Kobelco dealer.
- Do not attempt to lift or carry any load that is greater than lift capacity of machine.
- Lift capacity is limited by machine operating on level floor, and is reduced in hazardous conditions such as on or near ground, etc. due to load conditions; side load, racking, drifting of load, hazardous conditions, experience of personnel, etc.
- Lift capacity should be reduced by 10% of lift capacity whenever lift capacity marked with an asterisk (*) is limited by hydraulic capacity rather than tipping load.
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