STANDARD EQUIPMENT

ENGINE
- Engine, HINO J08E, Diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Batteries (2 x 12V - 96Ah)
- Starting motor (24V - 5 kW), 50 amp alternator
- Removable clean-out screen for radiator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain valve
- Double element air cleaner

CONTROL
- Working mode selector (H-mode and S-mode)
- Power Boost
- Heavy lift

SWING SYSTEM & TRAVEL SYSTEM
- Swing rebound prevention system
- Straight propel system
- Swing priority system
- Two-speed travel with automatic shift down
- Independent travel system
- Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake
- Three track guides for each crawler

HYDRAULIC
- Arm regeneration system
- Auto warm up system
- Aluminum hydraulic oil cooler
- Tropical cooling package

MIRRORS & LIGHTS
- Two rearview mirrors
- Three front and two rear working lights
- Swing flashers

CAB & CONTROL
- Two control levers, pilot-operated
- Tow eyes
- Horn, electric
- Integrated left-right slide-type control box
- Cab, all-weather sound suppressed type
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Adjustable suspension seat
- Retractable seatbelt
- Headlight
- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tempered safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Radio, AM/FM stereo with speakers
- Travel alarm
- Refueling pump

OPTIONAL EQUIPMENT

- Wide range of buckets
- Various optional arms
- Wide range of shoes
- Front-guard protective structures
- Additional hydraulic circuit
- Two cab working lights
- Head guard

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest Kobelco distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.
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Inquiries To:
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When we set out to design our new hydraulic excavators, we kept our eyes on the big picture. Of course we wanted machines with greater digging capacity. But they also had to be fuel-efficient and economical, while imposing less of a burden on the local and global environments. Applying our advanced technologies, we developed SK series excavator that beautifully balances all the demands of today’s construction industry. Lean and efficient with capacity to spare, these sleek powerhouses bring a whole new style to the worksite while setting new standards for environmental responsibility.
The Power Wave of Change

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Pursuing the “Three E’s”
The Perfection of Next-Generation, Network Performance

Enhancement
Greater Performance Capacity
- Hydraulic circuitry minimizes pressure loss
- High-efficiency, electronically controlled Common Rail Fuel Injection Engine
- Powerful travel and arm/bucket digging force

Economy
Improved Cost Efficiency
- Advanced power plant that reduces fuel consumption
- Easy maintenance that reduces upkeep costs
- High structural durability and reliability that retain machine value longer

Environment
Features That Go Easy on the Earth
- Noise reduction measures (with improvement of the sound quality) minimize noise and vibration
**Efficient Performance!**

**Amazing Productivity with a 18% Increase in Work Volume and “Top-Class” Cost-Performance**

**Work Volume:**

- Increase in work volume using the same amount of fuel. (H-Mode)

**Fuel Consumption:**

- Decrease in fuel consumption even when performing more work volume. (S-Mode)

**“Top-Class” Powerful Digging**

Max. arm crowding force:
- 203 kN (20.7 tf)
Max. arm crowding force with power boost:
- 222 kN (22.7 tf)
Max. bucket digging force:
- 267 kN (27.2 tf)
Max. bucket digging force with power boost:
- 292 kN (29.8 tf)

**Powerful Travel**

Drawbar pulling force:
- 417 kN (40.8 tf)

**Greater Swing Power, Shorter Cycle Times**

Swing torque: 174.3 kN-m (128.557 lbf-ft)
Swing speed: 7.8 min⁻¹

**Significant Extension of Continuous Working Hours**

The combination of a large-capacity fuel tank and excellent fuel efficiency delivers an impressive increase in continuous operation hours.

**Light Lever Operation**

It takes 10% less effort to move the control levers, so that operators can work longer hours with less fatigue.

---

**3E Technology Next-Generation Electronic Engine Control**

The high-pressure, common-rail fuel-injection engine features a cooled EGR (Exhaust Gas Recirculation) device that lowers the air intake temperature to keep the oxygen concentration down. The multiple injection system features adjustable control to maximize fuel efficiency and provide powerful medium/low-speed torque. The result is a highly fuel-efficient engine that greatly reduces emissions of PM (particulate matter) and NOx into the atmosphere.

**Simple Select:**

**Two Digging Modes**

H-Mode

- For heavy duty when a higher performance level is required.

S-Mode

- For normal operations with lower fuel consumption.

**N&B (crusher and breaker)**

The operator selects the desired mode from inside the cab, and the selector valve automatically configures the machine accordingly.

**3E Technology New Hydraulic System**

Rigorous inspections for pressure loss are performed on all components of the hydraulic piping, from the first spool of the control valve to the connectors. This regimen, combined with the use of a new, high-efficiency pump, cuts energy loss to a minimum.

**Seamless, Smooth Combined Operations**

The SK machines have inherited the various systems that make inching and combined operations easy and accurate, with further refinements that make a good thing even better. Leveling and other combined operations can be carried out with graceful ease.

**Light Lever Operation 3E Technology**

It takes 10% less effort to move the control levers, so that operators can work longer hours with less fatigue.

---

"The value shows results from actual measurements taken by KOBELCO."
Efficient Performance!

Amazing Productivity with a 27 % Increase in Work Volume and “Top-Class” Cost-Performance

- **Work Volume**: Increase in work volume using the same amount of fuel. (H-Mode)
- **Fuel Consumption**: Decrease in fuel consumption even when performing more work volume. (S-Mode)

“Top-Class” Powerful Digging

- Max. arm crowding force: 165 kN (16.8 tf)
- Max. arm crowding force with power boost: 181 kN (18.5 tf)
- Max. bucket digging force: 222 kN (22.6 tf)
- Max. bucket digging force with power boost: 244 kN (24.9 tf)

Powerful Travel

- Drawbar pulling force: 322 kN (32.8 tf)

Greater Swing Power, Shorter Cycle Times

- Swing torque: 120 kN-m (88,507 lbf-ft)
- Swing speed: 10.0 min⁻¹

Significant Extension of Continuous Working Hours

The combination of a large-capacity fuel tank and excellent fuel efficiency delivers an impressive 22 % increase in continuous operation hours.*

Light Lever Operation

It takes 10% less effort to move the control levers, so that operators can work longer hours with less fatigue.

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**Simple Select: Two Digging Modes**

- H-Mode: For heavy duty when a higher performance level is required.
- S-Mode: For normal operations with lower fuel consumption.

**N&B (crusher and breaker)**

The operator selects the desired mode from inside the cab, and the selector valve automatically configures the machine accordingly.

**Attachment Mode Selector Switch**

There’s a choice of three different attachment functions, to accommodate bucket, crusher or breaker, and the desired attachment mode can be selected with a switch, which automatically configures the selector valve. All attachment modes can be used in either S-mode or H-mode.

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**3E Technology Total Tuning Through Advanced ITCS Control**

The engine control is governed by ITCS, which responds quickly to sudden changes in hydraulic load to ensure that the engine runs as efficiently as possible with a minimum of wasted output.

ITCS (Intelligent Total Control System) is an advanced, computerized system that provides comprehensive control of all machine functions.

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*The value shows results from actual measurements taken by KOBELCO when compared with previous KOBELCO models.
**The value shows results from actual measurements taken by KOBELCO for continuous operation in S Mode, compared with previous models. Results vary depending on the method of operation and load conditions.
The Value and Quality of Sturdy Construction!

Stable Attachment Strength
Forged and cast steel components are used throughout. The standard arm and boom also meet specifications that were classified as “reinforced” on previous KOBELECO models to ensure reliable strength.

Emergency Acceleration (Dial) Permits Continued Operation in the Unlikely Event of Malfunction
If unexpected trouble is experienced with the ITCS mechatronic control system, the machine can still be operated using the emergency acceleration system. Digging modes are also automatically relayed to an emergency system so that digging can continue temporarily until a service person arrives to repair the primary system.

Newly designed Micro Computer Unit
- Vertical alignment and sealed cover gives better protection from water and dust
- Reliable fixture to base plate

Countermeasures Against Electrical System Failure
All elements of the electrical system, including controller, have been designed for high reliability.

Large-Capacity Pump
The pump capacity has been increased. Large capacity pump deliver an optimal heat balance.

Designed for the Environment and the Future!
Automatic Acceleration/Deceleration Function Reduces Engine Speed
Engine speed is automatically reduced when the control lever is placed in neutral, effectively saving fuel and reducing noise and exhaust emissions. The engine quickly returns to full speed when the lever is moved out of neutral. The proportional Deceleration recovery speed smoothly.

Low Noise Level and Mild Sound Quality
The electronically controlled common-rail engine has a unique fuel injection system that runs quietly. Also, the hydraulic pumps have been redesigned to produce a more pleasant sound during pressure relief. In short, the SK series meets all requirements cited in latest standards.

Meets EMC (Electromagnetic Compatibility) Standards in Europe.
Measures have been taken to ensure that the SK machines do not cause electro-magnetic interference.
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“On the Ground” Maintenance!

Comfortable “On the Ground” Maintenance

The machine layout was designed with easy inspection and maintenance in mind.

A new fuel filter has been installed that can handle the most punishing conditions. Double pre-fuel filters with built-in water separator and high-grade main fuel filter.

Quick Oil Drain Valves for Quick Maintenance

A quick drain valve, which requires no tools, is provided as standard equipment.

To facilitate fuel tank cleaning, the fuel drain valve fitted with a flange on the bottom.

More Efficient Maintenance Inside the Cab

- Detachable two-piece floor mat with handles for easy removal. A floor drain is located under the mat.
- Easy-access fuse box differentiated fuses, easy to locate malfunctions.
- Air conditioner filter can be easily removed without tools for cleaning.
- Hour meter can be checked while standing on the ground.
- Large-capacity tool box can hold up to three pails.
- Special crawler frame design is easily cleaned of mud.

Highly Durable Super-fine Filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability. With a replacement cycle of 1,000 hours and a construction that allows replacement of the filter element only, it’s both highly effective and highly economical.

Double-Element Air Cleaner as Standard

The large-capacity element features a double-filter structure that keeps the engine running clean even in dusty environments.

Monitor Display with Essential Information for Accurate Maintenance Checks

- Displays only the maintenance information that’s needed, when it’s needed.
- Self-diagnostic function that provides early detection and display of electrical system malfunctions.
- Records previous breakdowns, including irregular and transient malfunctions.

Choice of 16 Languages for Monitor Display

With messages including those requiring urgent action displayed in the local language, users in all parts of the world can work with greater peace of mind.

- Chinese
- German
- English
- French
- Indonesian
- ISO
- Italian
- Japanese
- Malay
- Myanmar (Burmese)
- Portuguese
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- Thai
- Vietnamese
“On the Ground” Maintenance!

Comfortable “On the Ground” Maintenance

- The machine layout was designed with easy inspection and maintenance in mind.
- Access through the left side cover
- Access through the right side cover
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Parallel Cooling Units Are Easy to Clean

- Oil cooler
- Intercooler
- Radiator
- Air conditioner condenser
- Double-Element Air Cleaner

Engine Oil Filter
Pre-fuel filter
Main fuel filter
Double pre-fuel filter with built-in water separator
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**Comfort and Safety**

**Designed from the Operator’s Point of View**

**Wide Field of View Liberates the Operator**
The front field of view easily clears ISO standards, while the peripheral view reduces blind spots to a minimum.

- A long wiper covers a wide area for a broad view in bad weather.
- Back mirrors provide a safe view of the rear.
- Tempered glass windows.

**Wide-Access Cab Ensures Smooth Entry and Exit**
The left control box and safety lock lever together rise through 54° to give wider cab access and easier entry and exit.

- **Plenty of Foot Room**
  Front-to-back room in the cab is a comfortable 750 mm. Big travel pedal for operator comfort.

- **Low Vibration for Fatigue-Free Operation**
The rigid cab construction and liquid-filled viscous cab mounts minimize cab vibration. In addition, the use of new lower rollers on the crawlers cuts travel vibration in half compared with previous models.

**Creating a Comfortable Operating Environment**

- Seat can be reclined to almost horizontal position
- Double slide and suspension seat
- One-touch lock release simplifies opening and closing the front window
- Powerful automatic air conditioner
- Spacious luggage tray
- Interior design and materials create an elegant feel
- Large cup holder

**Newly Designed Information Display Prioritizes Visual Recognition**
The analog gauge provides information that’s easy to read regardless of the operating environment. Big screen to display information with an attached visor to further enhance visibility.

**Imagining Possible Scenarios and Preparing in Advance**

- Bracket for Attaching a Head Guard Provided as Standard Equipment
  - A bracket is provided as standard equipment that allows the optional head guard to be simply bolted on.
- Safety Features That Take Various Scenarios into Consideration
  - Firewall separates the pump compartment from the engine
  - Retractable seatbelt requires no manual adjustment
- Swing flashers/rear working lights
- Thermal guard prevents contact with hot components during engine inspections
- Hammer for emergency exit

**Other Features**

- Two cab working lights (Optional)
- Adjustable suspension seat
**Comfort and Safety**

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- Large cup holder
- One-touch lock release simplifies opening and closing the front windows

**Newly Designed Information Display Prioritizes Visual Recognition**
The analog gauge provides information that’s easy to read regardless of the operating environment. Big screen to display information with an attached visor to further enhance visibility.

**Imagining Possible Scenarios and Preparing in Advance**

**Bracket for Attaching a Head Guard Provided as Standard Equipment**
A bracket is provided as standard equipment that allows the optional head guard to be simply bolted on.

**Safety Features That Take Various Scenarios into Consideration**
- Firewall separates the pump compartment from the engine
- Hammer for emergency exit
- Swing flashers/rear working lights
- Thermal guard prevents contact with hot components during engine inspections
- Retractable seatbelt requires no manual adjustment

**Other Features**
- Two cab working lights (Optional)
- Adjustable suspension seat
- A bracket is provided as standard equipment that allows the optional head guard to be simply bolted on.

---

9 20
Specifications

**Backhoe bucket and arm combination**

**Attachments**

**Travel System**

- Travel motors: 2 x axial-piston, two-step motors
- Travel brake: Hydraulic brake per motor
- Parking brakes: Oil disc brake per motor
- Travel shoes: 48 each side
- Travel speed: 5.6/3.3 km/h
- Drawbar pulling force: 322 kN (32.8 tf) (ISO7464)
- Gradeability: 70 % (35°)
- Ground clearance: 500 mm

**Swing System**

- Swing motor: Axial-piston motor
- Brake: Hydraulic; locking automatically when the swing control lever is in the neutral position
- Parking brake: Hydraulic disc brake
- Swing speed: 10.0 min⁻¹ (rpm)
- Tail swing radius: 3,500 mm
- Min. front swing radius: 4,370 mm

**Boom, Arm & Bucket**

- Boom cylinders: 140 mm x 1,550 mm
- Arm cylinder: 170 mm x 1,788 mm
- Bucket cylinder: 150 mm x 1,193 mm

**Swing System**

- Swing motor: Axial-piston motor
- Brake: Hydraulic, locking automatically when the swing control lever is in the neutral position
- Parking brake: Hydraulic disc brake
- Swing speed: 10.0 min⁻¹ (rpm)
- Tail swing radius: 3,500 mm
- Min. front swing radius: 4,370 mm

**Refilling Capacities & Lubrications**

- Fuel tank: 580 L
- Cooling system: 31.1 L
- Engine oil: 28.5 L
- Travel reduction gear: 2 x 9.5 L
- Swing reduction gear: 7.4 L
- Hydraulic oil tank: 280 L

**Swing Motor**

- Type: Two variable displacement pumps + 1 gear pump
- Max. discharge flow: 2 x 294 L/min, 1 x 20 L/min
- Max. allowable pressure: 34.3 MPa (350 kgf/cm²)
- Max. swing diameter: 2.25 m super short arm

**Hydraulic System**

- Type: Two variable displacement pumps + 1 gear pump
- Max. discharge flow: 2 x 294 L/min, 1 x 20 L/min
- Max. allowable pressure: 34.3 MPa (350 kgf/cm²)
- Oil cooler: Air cooled type

**Engine**

- Type: Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
- No. of cylinders: 6
- Bore and stroke: 112 mm x 130 mm
- Displacement: 7,864 L
- Rated power output: 988 Nm/1,600 min⁻¹ (ISO14396:2002)
- Max. torque: 989 Nm/1,600 min⁻¹ (ISO14396:2002)

**Cab & Control**

- All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
- Two hand levers and two foot pedals for travel
- Two hand levers for excavating and swing
- Electric rotary-type engine throttle

**Working Ranges**

<table>
<thead>
<tr>
<th>Unit: m</th>
<th>Short Arm</th>
<th>Standard Arm</th>
<th>Long Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2.6 m</td>
<td>3.3 m</td>
<td>3.8 m</td>
</tr>
<tr>
<td>Arm</td>
<td>2.0 m</td>
<td>2.6 m</td>
<td>3.3 m</td>
</tr>
<tr>
<td>Overall</td>
<td>11,280</td>
<td>11,200</td>
<td>11,200</td>
</tr>
<tr>
<td>Height</td>
<td>3,640</td>
<td>3,685</td>
<td>3,685</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
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</tr>
<tr>
<td>Width</td>
<td>3,200</td>
<td>3,200</td>
<td>3,200</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>500</td>
<td>500</td>
<td>500</td>
</tr>
</tbody>
</table>

**Operating Weight & Ground Pressure**

In standard trim, with standard boom, 3.3 m arm, and 1.4 m³ ISO heaped bucket

<table>
<thead>
<tr>
<th>Shoe width</th>
<th>600</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>General width</td>
<td>900</td>
<td>1,200</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>2.4 kN/cm²</td>
<td>3 kN/cm²</td>
</tr>
<tr>
<td>Operating weight</td>
<td>35,700</td>
<td>36,800</td>
</tr>
</tbody>
</table>

**Swing Motor**

- Type: Two variable displacement pumps + 1 gear pump
- Max. discharge flow: 2 x 294 L/min, 1 x 20 L/min
- Max. allowable pressure: 34.3 MPa (350 kgf/cm²)
- Oil cooler: Air cooled type

**Swing Motor**

- Type: Two variable displacement pumps + 1 gear pump
- Max. discharge flow: 2 x 294 L/min, 1 x 20 L/min
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**Swing Motor**

- Type: Two variable displacement pumps + 1 gear pump
- Max. discharge flow: 2 x 294 L/min, 1 x 20 L/min
- Max. allowable pressure: 34.3 MPa (350 kgf/cm²)
- Oil cooler: Air cooled type
## Specifications

### Engine
- **Model:** HINO P11C
- **Type:** Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
- **No. of cylinders:** 6
- **Bore and stroke:** 122 mm x 150 mm
- **Displacement:** 19,550 L
- **Rated power output:** 050 HP/800 rpm (ISO14396)
- **Max. torque:** engineered

### Hydraulic System
- **Type:** Two variable displacement pumps + 1 gear pump
- **Max. discharge flow:** 2 x 310 L/min, 1 x 30 L/min
- **Bore and stroke:** 122 mm
- **Tail swing radius:** 3,670 mm
- **Swing motors:** 2
- **Main control valves:** 6-spool
- **Pilot control pump:** Gear type
- **Control circuit:**
  - Swing circuit:
  - Travel circuit:
  - Power Boost:
    - Boom, Arm and Bucket:
      - Max. discharge flow: 370 L/min, 1

### Swing System
- **Swing motors:** 2 x axial-piston motors
- **Brake:** Hydraulic, locking automatically when the swing control lever is in the neutral position
- **Swing speed:** 7.8 mm/min (rpm)
- **Tail swing radius:** 3,670 mm
- **Min. front swing radius:** 5,140 mm
- **Boom cylinders:** 170 mm x 1,590 mm
- **Arm cylinder:** 190 mm x 1,910 mm
- **Bucket cylinder:** 160 mm x 1,410 mm

### Refilling Capacities & Lubrications
- **Fuel tank:** 650 L
- **Cooling system:** 41 L
- **Engine oil:** 50 L
- **Travel reduction gear:** 2 x 15 L
- **Sitting reduction gear:** 2 x 7 L
- **Hydraulic oil tank:** 555 L tank oil level

### Cab & Control
- **All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.**
- **Control:** Two hand levers and two foot pedals for travel
- **Electric rotary-type engine throttle**

### Attachments
- **Backhoe bucket and arm combination**

### Travel System
- **Travel motors:** 2 x axial-piston, two-step motors
- **Travel valves:** Hydraulic brake per motor
- **Parking brakes:** Oil disc brake per motor
- **Travel shoes:** 50 each side
- **Travel speed:** 5.4/3.4 km/h

### Working Ranges
- **Boom:**
  - Arm length: 6.9 m
  - Max. digging reach:
    - Overall length (ISO 6015): 5.40
  - Floor clearance:
    - Overall height (ISO 6015): 6.91
- **Armung force (ISO 9161):**
  - Overall height:
    - Overall width:
      - Ground clearance:
        - Overall length:
          - Overall width:

### Dimensions
- **Ground clearance:** 510 mm
- **Gradeability:** 70 % {35°}
- **Drawing force:**
  - Max. digging force:
    - 4.46
- **Drawbar pulling force:** 417 kN {40.8 tf} (ISO 7464)
- **Travel speed:** 5.4/3.4 km/h
- **Travel shoes:** 50 each side
- **Parking brakes:** Oil disc brake per motor
- **Travel brakes:** Hydraulic brake per motor

### Operating Weight & Ground Pressure
- **Operating weight:** kg
  - 50: 3,570
  - 40: 3,000
  - 30: 2,500
- **Ground pressure:** kPa (kgf/cm2)
  - Max. digging reach:
    - Overall height (ISO 6015): 64
  - Drawbar pulling force:
    - Overall height (ISO 6015): 58

---

**Engine Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINO P11C</td>
<td>Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler</td>
</tr>
</tbody>
</table>

**Backhoe Bucket and Arm Combination**

| No. of teeth: | 6 |
| Arm length:   | 2.4 m super short arm |
|               | 3.0 m short arm |
|               | 3.45 m standard arm |

**Hydraulic System**

<table>
<thead>
<tr>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable displacement pumps + 1 gear pump</td>
</tr>
</tbody>
</table>

**Swing System**

<table>
<thead>
<tr>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x axial-piston motors</td>
</tr>
</tbody>
</table>

**Travel System**

<table>
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<th>Travel motors:</th>
</tr>
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**Cab & Control**

- Two hand levers and two foot pedals for travel
- Electric rotary-type engine throttle

**Refilling Capacities & Lubrications**

<table>
<thead>
<tr>
<th>Fuel tank: 650 L</th>
</tr>
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</table>

**Operating Weight & Ground Pressure**

In standard trim, with standard boom, 3.45 m arm, and 1.9 m 1SG heaped bucket

<table>
<thead>
<tr>
<th>Bucket capacity:</th>
<th>ISO heaped m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.9</td>
</tr>
<tr>
<td></td>
<td>2.1</td>
</tr>
<tr>
<td></td>
<td>2.4</td>
</tr>
</tbody>
</table>

---

### Cab Specifications

- Hydraulic oil tank: 555 L tank oil level
- Swing reduction gear: 2
- Travel reduction gear: 2
- Engine oil: 50 L
- Cooling system: 41 L
- Fuel tank: 650 L
- Boom cylinders: 170 mm x 1,590 mm
- Arm cylinder: 190 mm x 1,910 mm
- Bucket cylinder: 160 mm x 1,410 mm
- Hydraulic oil tank: 30 L
- Visco mounts and equipped with a heavy, insulated floor mat.
- All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
- Swing motors: 2
- Main control valves: 6-spool
- Pilot control pump: Gear type
- Control circuit:
  - Swing circuit:
  - Travel circuit:
  - Power Boost:
    - Boom, Arm and Bucket:
      - Max. discharge flow: 370 L/min, 1

### Refilling Capacities & Lubrications

<table>
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<th>Fuel tank: 650 L</th>
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- Fuel tank: 650 L
- Cooling system: 41 L
- Engine oil: 50 L
- Travel reduction gear: 2 x 15 L
- Siting reduction gear: 2 x 7 L
- Hydraulic oil tank: 555 L tank oil level

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### Operating Weight & Ground Pressure

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<td></td>
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</tr>
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</table>

---

### Dimensions

- **Height (ISO 6015):**
  - Overall height:
    - 64 {0.65} m
- **Drawbar pulling force:**
  - 417 kN {40.8 tf} (ISO 7464)
- **Travel speed:** 5.4/3.4 km/h
- **Travel shoes:** 50 each side
- **Parking brakes:** Oil disc brake per motor
- **Travel brakes:** Hydraulic brake per motor

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### Cab Specifications

- Hydraulic oil tank: 555 L tank oil level
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<td></td>
<td>2.1</td>
</tr>
<tr>
<td></td>
<td>2.4</td>
</tr>
</tbody>
</table>
### Rating over front

- Reach from swing centerline to bucket hook

### Rating over side or 360 degrees

- Bucket hook height above/below ground

### Lifting Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>Super Short Arm: 2.5 m, Bucket: 1.6 m³ SAE heaped</th>
<th>1.5t (lift) Max: 900 mm</th>
<th><strong>HEAVY LIFT</strong></th>
<th>Max. Reach</th>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>At Max. Reach</td>
<td>Radius</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.5 m kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.0 m kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>9.0 m kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.

2. Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.

3. Bucket lift hook defined as lift point.

4. The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

5. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.

6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.
### Lifting Capacities

#### SK350LC

<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>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m</td>
<td>kg</td>
<td>7,645</td>
<td>6,990</td>
<td>7,516</td>
<td>6,250</td>
<td>7.08 m</td>
</tr>
<tr>
<td>8.0 m</td>
<td>kg</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8.5 m</td>
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6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

#### SK350LC-B Super Short Arm: 2.25 m, Bucket: 2.3 m SAE heaped 1,500 kg Shoe: 800 mm HEAVY LIFT

<table>
<thead>
<tr>
<th>Radius</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
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<td>kg</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### SK350LC-B Short Arm: 2.6 m, Bucket: 1.6 m SAE heaped 1,100 kg Shoe: 800 mm HEAVY LIFT

<table>
<thead>
<tr>
<th>Radius</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
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<td>-</td>
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<td>kg</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### SK350LC-B Standard Arm: 3.3 m, Bucket: 1.4 m SAE heaped 1,300 kg Shoe: 800 mm HEAVY LIFT

<table>
<thead>
<tr>
<th>Radius</th>
<th>1.5 m</th>
<th>3.0 m</th>
<th>4.5 m</th>
<th>6.0 m</th>
<th>7.5 m</th>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8.5 m</td>
<td>kg</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>kg</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

---

A - Reach from swing centerline to bucket hook
B - Bucket hook height above/below ground
C - Lifting capacities in kilograms

Max. discharge pressure: 37.8 MPa (385 kgf/cm²)