Hydraulic Excavators

SK260SR LC

- Bucket Capacity:
  1.05 cu.yd. (0.80 m³) SAE heaped

- Engine Power:
  157 hp (117 kW) / 2,000 rpm

- Operating Weight:
  59,300 lb (26,900 kg)

Inquiries To:

Bulletin No. SK260SRLC-NA-201

2013080000E Printed in USA

Note: This catalog may contain attachments and optional equipment that are not available in your area. It may also 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.

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

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Bulletin No. SK260SRLC-RU-201

2013080000E Printed in USA
Fuel Consumption Gives You the Competitive Edge

KOBELEC’s SR hydraulic excavator has undergone a new evolution. By utilizing its full range of fuel-saving technologies in this SR model, resulting in unmatched low fuel consumption that provides a class leading standard of efficiency for engine-driven hydraulic excavators.

Outstanding performance in tight spaces, on-site safety, less stress for the operator … KOBELEC was first to understand these demands and in response developed SR, short rear swing, excavators. The acclaimed SR concept went on to be adopted throughout the industry.

But KOBELEC didn’t stop there. Aware of changing needs among machine users in a changing social environment, KOBELEC has taken the SR concept through a further evolution with value-added features.

KOBELEC’s unique design for engine cooling, the iNDr system, cuts noise to extremely low levels. The newest KOBELEC approach to low fuel consumption, NEXT-3E, now also applies to short rear swing models, to maximize work volumes while saving on fuel. And the new ECO-mode in the SK260SRLC creates even greater savings on fuel to turn SR models into exceptional high-earning machines.

KOBELEC continues to lead the field in short rear swing excavators.

Five Ways the SK260SRLC Scores:

- **Low Noise: iNDr**
- **More Work with Less Fuel!**
- **Efficient Performance!**
- **Fast, Accurate and Low-Cost Maintenance**
- **A Working Environment that Helps Operator Concentrate on the Job**

Pursuing the “Three E’s”

The Perfection of Next-Generation, Network Performance

Enhancement

Greater Performance Capacity

Economy

Improved Cost Efficiency

Environment

Features That Go Easy on the Earth

The Revolutionary Integrated Noise and Dust Reduction Cooling System

KOBELEC’s exclusive iNDr Cooling System delivers amazingly quiet operation.

"Ultimate"-Low Noise Level of

KBELEC has developed the revolutionary integrated Noise and Dust Reduction Cooling System, with the engine compartment placed inside a single duct that connects the air intake to the exhaust outlet.

Reduces Noise

- The intake and exhaust are offset, with the holes and joints in the sections corresponding to the duct wall completely covered to reduce noise at the intake and exhaust apertures. This design, plus the generous use of insulation material inside the duct, minimizes engine noise.

Reduces Dust

- The high-performance iND filter removes dust from the intake air, ensuring a quieter, cleaner engine and keeping the cooling unit free of clogging so that no regular cleaning is necessary.

KBELEC continues to lead the field in short rear swing excavators.
More Work with Less Fuel!

Fuel Consumption and Work Volume

The new hydraulic system and an additional ECO-mode have cut fuel consumption by up to 20%.

- **H-mode** (vs previous SK235SRLC in H-mode)
  - Fuel consumption (L/h): 8% decrease
  - Work volume per liter of fuel (m³/L): 6% increase

- **S-mode** (vs previous SK235SRLC in H-mode)
  - Fuel consumption (L/h): 5% decrease
  - Work volume per liter of fuel (m³/L): 5% increase

- **ECO-mode** (vs previous SK235SRLC in S-mode)
  - Fuel consumption (L/h): 20% decrease 
  - Work volume per liter of fuel (m³/L): 9% increase

* Figures for fuel consumption: fuel consumed per hour (L/h) compared with previous model, in KOBELCO tests.

Great leap forward in energy-saving performance

Next-generation Electronic Engine Control

The high-pressure, common-rail fuel-injection engine with the multiple injection system features adjust table control to maximize fuel efficiency and provide powerful low-speed torque. The result is a highly fuel-efficient engine.

**Tier 4 compliant engine**

- **PM emissions cut**: Limits creation of particulate matter (which results from incomplete combustion of fuel)
- **NOx emissions cut**: Reduces nitrogen oxides (created by reaction with oxygen at high temperature)

**NEXT-3E Technology**

**Total Tuning Through Advanced ITCS Control**

The next-generation engine control is governed by a new version of 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.

**NEXT-3E Technology**

**New Hydraulic System**

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

Photos in this catalog are the machine with the option installed.

**Significant Extension of Continuous Working Hours**

The combination of a large-capacity fuel tank and excellent fuel efficiency delivers an impressive increase in the length of continuous usage.

Fuel tank capacity:

- **87.2 U.S.gal (330 L)**
Efficient Performance!

**Top-Class Powerful Digging**
For more efficient work performance.
(SAE J1179:1990)

- Max. arm crowding force: 22,200lbs {98.8kN}
- With power boost: 24,500lbs {109kN}
- Max. bucket digging force: 28,800lbs {128kN}
- With power boost: 31,700lbs {141kN}

**Powerful Travel**
Drawbar pulling force: 54,600lbs {242.7kN}

**Great Swing Power, Short Cycle Times**
Powerful swing power and top-class swing speed.

Swing speed: 10.3 rpm

**Optional 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 is a choice of three different attachment modes to accommodate bucket, crushe, or breaker. 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.

**Seamless, Smooth Combined Operations**
The 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.
- Electronic active control system
- Arm regeneration system
- Boom lowering regeneration system
- Variable swing priority system
- Swing rebound prevention system

**Excellent Working Ranges**
Greater working ranges with class-topping vertical digging depth.

- Max. digging height: 36'9" {11,210mm}
- Max. dumping height: 27'4" {8,330mm}
- Max. digging reach: 32'4" {9,850mm}
- Max. vertical digging depth: 19'11" {6,060mm}

**Requires 12 ft. 6 in. of Working Space**
The compact design allows the machine to perform continuous dig, 180° swing and dump operations within a working space of 12 feet 6 inches.

**Working radius equals the sum of the minimum front swing radius and tail swing radius.**
The values of tail overhang and tail swing radius are for the machine that the add-on type counterweight is installed.

**Mild Operating Sound**
The iNDr cooling system also helps to keep the machine quiet, even at close quarters.

**Meets EMC (Electromagnetic Compatibility) Standards in Europe**
Electrical shielding ensured that the machines clear all European standards and neither cause or are affected by electromagnetic interference.
A Working Environment that Helps the Operator Concentrate on the Job at Hand!

**Big Cab**

The “Big cab” provides a roomy operating space with plenty of legroom, and the door opens wide for entry and exit. As well as giving a wide, open view to the front, the cab has increased window areas on both sides and to the rear, for improved visibility in all directions.

**Excellent Visibility**

Taking out the right-side cab support to make a single window has improved visibility to the right.

**Wide-Access Cab Aids Smooth Entry and Exit**

Easy entry and exit assured with wider cab entry and safety lock lever integrated with mounting for control levers.

**Comfortable Operating Environment**

- Double slide seat
- Powerful automatic air conditioner
- Spacious luggage tray
- One-touch lock release simplifies opening and closing front window
- Two-speaker FM/AM radio with station select
- Large cup holder

**Multi-Display Color Monitor**

An LCD multi-display color monitor is fitted as standard. Operations data as well as the full range of machine-status data can readily be checked.

**Safety Features**

- ROPS Cab
  - The newly developed, ROPS (Roll-Over-Protective Structure) compliant cab clears ISO standards (ISO-12117-2: 2008) and ensures greater safety for the operator.
  - Level 2 FOPS Guard (ISO 10262) is equipped as standard.
  - To fit vandalism guards, please contact your KOBELCO dealer. (Mounting brackets for vandalism guards provided standard)
  - FOPS guard (Meets or exceeds current OSHA standards)
  - Handrails meet European standards
  - Thermal guard prevents contact with hot components during engine inspections
  - Travel alarm
  - Swing flashers
  - Hammer for emergency exit

- Double slide seat
- Protective panel separates the pump compartment from the engine
- Rear view camera
- Fuel consumption
- Maintenance
- Rearview monitoring
- Retractable seatbelt requires no manual adjustment

- Spacious luggage tray
- Fuel consumption
- Maintenance
- Rearview monitoring
- Handrails meet European standards
- Thermal guard prevents contact with hot components during engine inspections
- Travel alarm
- Swing flashers
- Hammer for emergency exit
Fast, Accurate and Low-Cost Maintenance

Comfortable Ground Level Maintenance

Newly designed, the hood opens widely and at a lower level. In this new layout, the equipment that requires maintenance are positioned in easily accessible locations. The servicing jobs can be completed from ground level or in the cab.

All of the components that require regular maintenance are laid out for easy access, with the control valves located on a single right-hand panel that opens and closes at a touch. In the pump compartment, there is remote access to such components as the engine oil filter and fuel filter (with built-in water separator). On the left side are the iNDr filter, air cleaner, radiator coolant, etc. Daily maintenance can be carried out easily without the need to climb up onto the machine.

Easy access to cooling units
Left side

Air cleaner
Radiator reservoir tank

Fuel filter
Engine oil filter

Hydraulic pump
Tool box
Control valve

Fast Maintenance

Engine quick-drain valve can be turned without tools.

Fuel tank equipped with bottom flange and large drain valve.

Hour meter can be checked while standing on the ground.

Easy-access fuse box. More finely differentiated fuses make it easier to locate malfunctions.

Engine oil filter

Easy Cleaning

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

Internal and external air conditioner filters can be easily removed without tools for cleaning.

Special crawler frame designed is easily cleaned of mud.

Total Support for Machines with Network Speed and Accuracy

Our “KOMEX” allows you to use the Internet to manage information from your office for machines operating in all areas. Be prepared for any problems with strategic information and cost management. This provides a wide range of support for your business operations.

Direct Access to Operational Status

- Location Data
- Operating Hours
- Fuel Consumption Data
- Graph of Work Content
- Graph of Machine Duty Cycles

Maintenance Data and Warning Alerts

- Machine Maintenance Data
- Security System
- Engine Start Alarm
- Area Alarm

Double-Element Air Cleaner

The high-performance air cleaner has twice the capacity and service life of previous air cleaners and is installed behind the iNDr filter for even more effective cleaning performance.

iNDr Means Easy Maintenance

iNDr Filter Blocks Out Dust

Outside air goes directly from the intake duct through the iNDr filter for dust removal. The filter features a 60-mesh screen, which means it has sixty holes per inch both vertically and horizontally, with a wide front surface area and accordion structure that resists clogging.

Visual Checking and Easy Cleaning

When checking and cleaning the cooling system, one must deal with several cooling components like the radiator, oil cooler and intercooler, which all must be handled in different ways. But with the iNDr filter, there’s just one filter in one place. If it looks dirty during start-up inspection, it can be cleaned easily and quickly.

Long-Interval Maintenance

Super-fine Filter (hydraulic oil filter)

Long-life hydraulic oil reduces cost and labor.

Choice of 16 Languages for Monitoring 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.
### Specifications

#### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Direct injection, water-cooled, 4-cylinder diesel engine (Complies with EU (NRMM) Stage IIIB &amp; US EPA Tier IV, and ad on regulation, etc. of emission from non-road special motor vehicles (Japan))</td>
</tr>
</tbody>
</table>

**No. of cylinders:** 4

**Bore and stroke:** 4.41” (112 mm) x 5.12” (130 mm)

**Displacement:** 312.6 cu.in (5,123 L)

**Rated power output:** 157 hp (117 kW) / 2,000 rpm (SAE NET)

#### Hydraulic System

<table>
<thead>
<tr>
<th>Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Two variable displacement pumps</td>
</tr>
</tbody>
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#### Swing System

<table>
<thead>
<tr>
<th>Swing motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axial piston motor</td>
</tr>
</tbody>
</table>

**Swing speed:** 10.3 rpm

**Swing torque:** 63,100 lb.ft (85.6 kN.m) (SAE)

**Max. discharge flow:** 60.8 U.S.gal (230 L) hydraulic system

**Oil cooler:** Air cooled type

#### Boom, Arm & Bucket

<table>
<thead>
<tr>
<th>Boom Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity: 87.2 U.S.gal (330 L)</td>
</tr>
</tbody>
</table>

**Cooling system:** 6.3 U.S.gal (24 L) coolant

**Engine oil:** 3.4 U.S.gal (20.5 L)

**Travel reduction gear:** 2 x 1.3 U.S.gal (2 x 5.0 L)

**Swing reduction gear:** 1.2 U.S.gal (4.7 L)

**Hydraulic oil tank:** 30.1 U.S.gal (114 L) tank oil level

**60.8 U.S.gal (230 L) hydraulic system**

#### Refilling Capacities & Lubrications

<table>
<thead>
<tr>
<th>Fuel tank</th>
</tr>
</thead>
<tbody>
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<td>87.2 U.S.gal (330 L)</td>
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#### Cab & Control

<table>
<thead>
<tr>
<th>Control circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing motor</td>
</tr>
</tbody>
</table>

**Control circuit:** 1 x 5.3 US.gph (1 x 20 L/min)

**Control circuit:** 12-spool Gear type

**Swing system:** 725 psi (5.0 Mpa)

**Travel system:** 3,920 psi (27.0 Mpa)

**Travel system:** 4,970 psi (34.3 Mpa)

**Travel system:** 5,480 psi (37.8 Mpa)

#### Attentions

<table>
<thead>
<tr>
<th>Backhoe bucket and arm combination</th>
</tr>
</thead>
</table>

### Operating Weight & Ground Pressure

| Standard trim, with standard boom, 9’8” (2.94 m) arm, and 1.05 cu.yd. (0.80m³) SAE heaped bucket |

<table>
<thead>
<tr>
<th>Shape</th>
<th>Triple grouser shoes (even height)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Shoe width</td>
</tr>
<tr>
<td>Shape</td>
<td></td>
</tr>
<tr>
<td>Shape</td>
<td></td>
</tr>
</tbody>
</table>

In standard trim, with standard boom, 9’8” (2.94 m) arm, and 1.05 cu.yd. (0.80m³) SAE heaped bucket
Lifting Capacities

**SK260SRLC**

- **Arm**: 9'4" (2.94 m)
- **Bucket**: 1.05 cu.yd. (0.80 m³)

Lift capacities are based on machine standing on level, firm, and uniform ground.

<table>
<thead>
<tr>
<th>Radius</th>
<th>Bucket</th>
<th>5' (1.5m)</th>
<th>10' (3.0m)</th>
<th>15' (4.5m)</th>
<th>20' (6.0m)</th>
<th>25' (7.5m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'</td>
<td></td>
<td>10'450</td>
<td>12'680</td>
<td>15'650</td>
<td>18'550</td>
<td>21'140</td>
</tr>
<tr>
<td>-10'</td>
<td></td>
<td>7'300</td>
<td>9'430</td>
<td>11'350</td>
<td>13'260</td>
<td>15'040</td>
</tr>
<tr>
<td>-15'</td>
<td></td>
<td>4'950</td>
<td>6'610</td>
<td>8'410</td>
<td>10'210</td>
<td>11'990</td>
</tr>
<tr>
<td>-20'</td>
<td></td>
<td>2'700</td>
<td>4'080</td>
<td>5'880</td>
<td>7'680</td>
<td>9'480</td>
</tr>
</tbody>
</table>

**SK260SRLC-3**

- **Arm**: 7'10" (2.40 m)
- **Bucket**: 1.22 cu.yd. (0.93 m³)

<table>
<thead>
<tr>
<th>Radius</th>
<th>Bucket</th>
<th>5' (1.5m)</th>
<th>10' (3.0m)</th>
<th>15' (4.5m)</th>
<th>20' (6.0m)</th>
<th>25' (7.5m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'</td>
<td></td>
<td>10'000</td>
<td>12'170</td>
<td>15'140</td>
<td>18'050</td>
<td>20'640</td>
</tr>
<tr>
<td>-10'</td>
<td></td>
<td>7'700</td>
<td>9'870</td>
<td>11'770</td>
<td>13'680</td>
<td>15'470</td>
</tr>
<tr>
<td>-15'</td>
<td></td>
<td>5'350</td>
<td>7'170</td>
<td>9'070</td>
<td>10'970</td>
<td>12'870</td>
</tr>
<tr>
<td>-20'</td>
<td></td>
<td>3'100</td>
<td>5'050</td>
<td>6'950</td>
<td>8'850</td>
<td>10'750</td>
</tr>
</tbody>
</table>

**SK260SR**

- **Arm**: 10'11" (3.33 m)
- **Bucket**: 0.92 cu.yd. (0.70 m³)

<table>
<thead>
<tr>
<th>Radius</th>
<th>Bucket</th>
<th>5' (1.5m)</th>
<th>10' (3.0m)</th>
<th>15' (4.5m)</th>
<th>20' (6.0m)</th>
<th>25' (7.5m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'</td>
<td></td>
<td>10'500</td>
<td>12'690</td>
<td>15'660</td>
<td>18'570</td>
<td>21'160</td>
</tr>
<tr>
<td>-10'</td>
<td></td>
<td>8'200</td>
<td>10'360</td>
<td>12'460</td>
<td>14'370</td>
<td>16'060</td>
</tr>
<tr>
<td>-15'</td>
<td></td>
<td>5'850</td>
<td>8'070</td>
<td>10'170</td>
<td>12'080</td>
<td>13'980</td>
</tr>
<tr>
<td>-20'</td>
<td></td>
<td>3'600</td>
<td>5'490</td>
<td>7'390</td>
<td>9'300</td>
<td>11'190</td>
</tr>
</tbody>
</table>

**SK260SR-3**

- **Arm**: 11'1" (3.50 m)
- **Bucket**: 1.10 cu.yd. (0.86 m³)

<table>
<thead>
<tr>
<th>Radius</th>
<th>Bucket</th>
<th>5' (1.5m)</th>
<th>10' (3.0m)</th>
<th>15' (4.5m)</th>
<th>20' (6.0m)</th>
<th>25' (7.5m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'</td>
<td></td>
<td>11'000</td>
<td>13'200</td>
<td>16'190</td>
<td>19'100</td>
<td>21'690</td>
</tr>
<tr>
<td>-10'</td>
<td></td>
<td>8'700</td>
<td>10'880</td>
<td>12'880</td>
<td>14'880</td>
<td>16'780</td>
</tr>
<tr>
<td>-15'</td>
<td></td>
<td>6'350</td>
<td>8'580</td>
<td>10'580</td>
<td>12'580</td>
<td>14'480</td>
</tr>
<tr>
<td>-20'</td>
<td></td>
<td>4'100</td>
<td>6'190</td>
<td>8'290</td>
<td>10'290</td>
<td>12'190</td>
</tr>
</tbody>
</table>

**Note:**

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 is defined as lift point.
4. The above lifting capacities are in compliance with SAE J590D 1997. They do not exceed 95 % of hydraulic lifting capacity or 75 % of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load. 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.
5. Lift capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.