

**KOBELCO**

SK200 -10 SK210LC-10

**SK200 SK210<sub>LC</sub>**



**We Save You Fuel**  
Achieving a Low-Carbon Society

# Power Meets Efficiency



## SK200 SK210<sub>LC</sub>

**16%**  
Higher fuel efficiency  
means  
"Efficiency"

Compared to H-mode on the SK200-8

Increase in  
productivity  
means  
"Power"

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 SK200 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. 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.



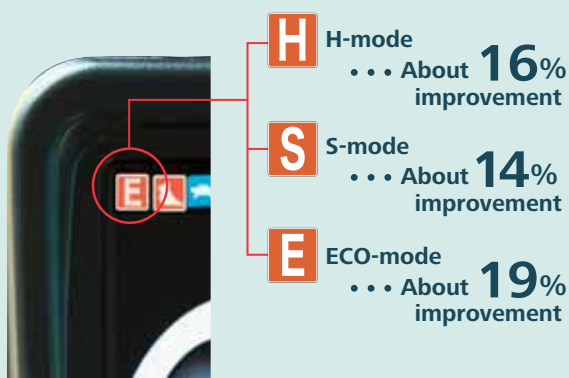
# Evolution Continues, with Improved Fuel Efficiency.

## In Pursuit of Improved Fuel Efficiency

### Operation Mode

Fuel consumption is lower in H-mode/S-mode/ECO-mode in comparison with the previous model (Generation 8).

■ Compared to previous models

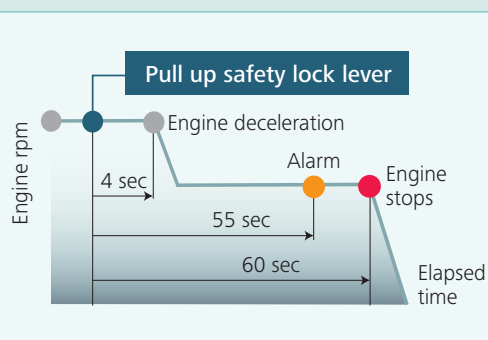


**Always and Forever.**  
**Yesterday, Today, and Tomorrow.**  
**Obsessed with Fuel Efficiency.**

Over the past 10 years, Kobelco has achieved an average reduction of about 38% in fuel consumption. And we vow to continue to lead in fuel efficiency.

■ Compared to SK210LC-6 model (2006)

**E** ECO-mode (SK210LC-10)  
 ... About **38%** improvement



### 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 CO<sub>2</sub> emissions as well.



**16%**  
Higher fuel efficiency  
means  
"Efficiency"

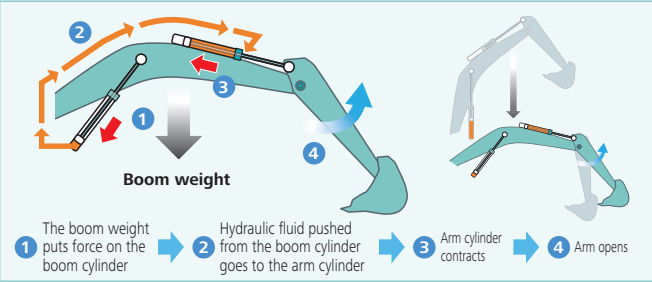
The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 16%\*. The electronic-control common-rail engine features high-pressure fuel injection and multiple injection with improved precision. It is fitted with an EGR cooler which greatly reduce PM and NOx emissions and meets TIERIII Standards.

\* Compared to H-mode on the SK200-8

**Hydraulic System: Revolutionary Technology Saves Fuel**

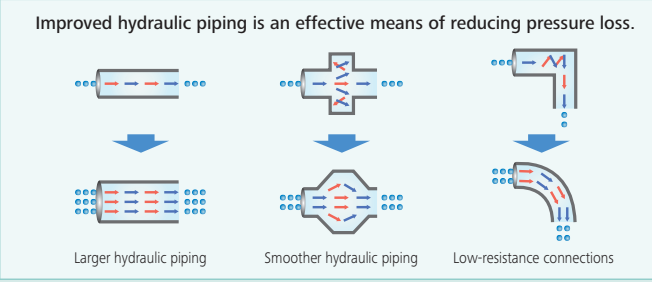
**Arm Interflow System** NEW

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**

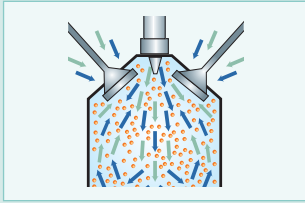
We have made every effort to enhance fuel efficiency by minimizing hydraulic pressure resistance, improving the hydraulic line layout to control friction resistance loss and minimizing valve resistance.



**Pursuing maximum fuel efficiency**

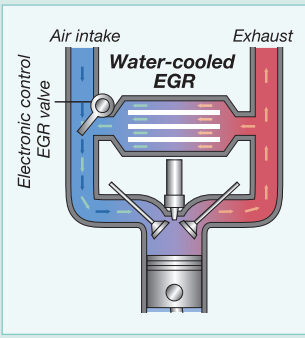
**Common rail system**

High-pressure injection atomizes the fuel, and more precise injection improves combustion efficiency. This also contributes to better fuel economy.



**EGR cooler**

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the intake air and recirculated into the engine. This reduces oxygen content and lowers combustion temperature.



# More Power and Higher Efficiency.

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 even as it minimizes fuel consumption rates, achieving class-leading work volume. H-mode with an increased torque setting delivers about 7% greater digging volume.

■ Max. Bucket Digging Force

Normal: **143kN**  
With power boost: **157kN**

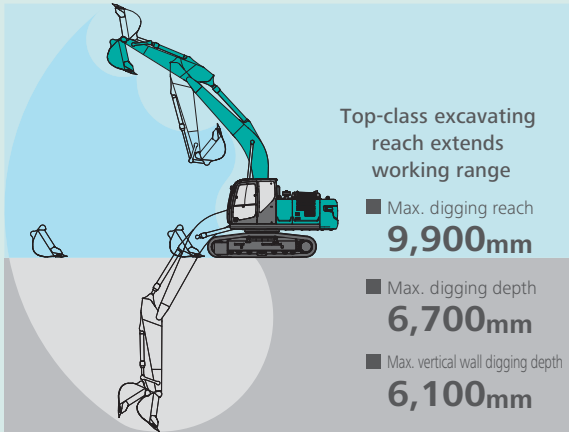
■ Max. Arm Crowding Force

Normal: **102kN**  
With power boost: **112kN**

\*Values are for HD arm (2.94m)



## Get More Done Faster with Superior Operability



\*Values are for HD arm (2.94m)

### Piping for Quick Hitch



A quick hitch hydraulic line, which speeds up attachment changes, is available as a standard.

### A Light Touch on the Lever Means Smoother, Less Tiring Work **NEW**



It takes 38% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

### 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: **229kN**



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



### 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.

- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- 2 Green indicator light shows low fuel consumption during operation
- 3 Fuel consumption/Switch indicator for rear camera images
- 4 Digging mode switch
- 5 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. Icons help the operator to confirm the proper configuration at a glance.



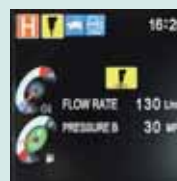
PM accumulation/  
AdBlue accumulation display



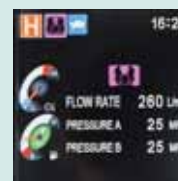
Fuel consumption



Maintenance



Breaker mode

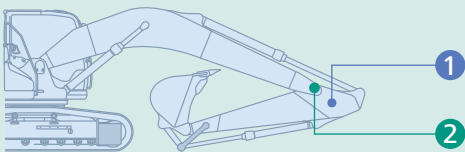


Nibbler mode



Rearview monitoring

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



## Built to Operate in Tough Working Environments

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

NEW  
HD: Base plate thickness has been increased 1.3 times (20 t).

Current



New



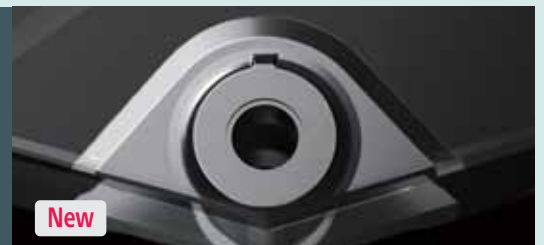
### 2 Modified Foot Boss Shape

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.

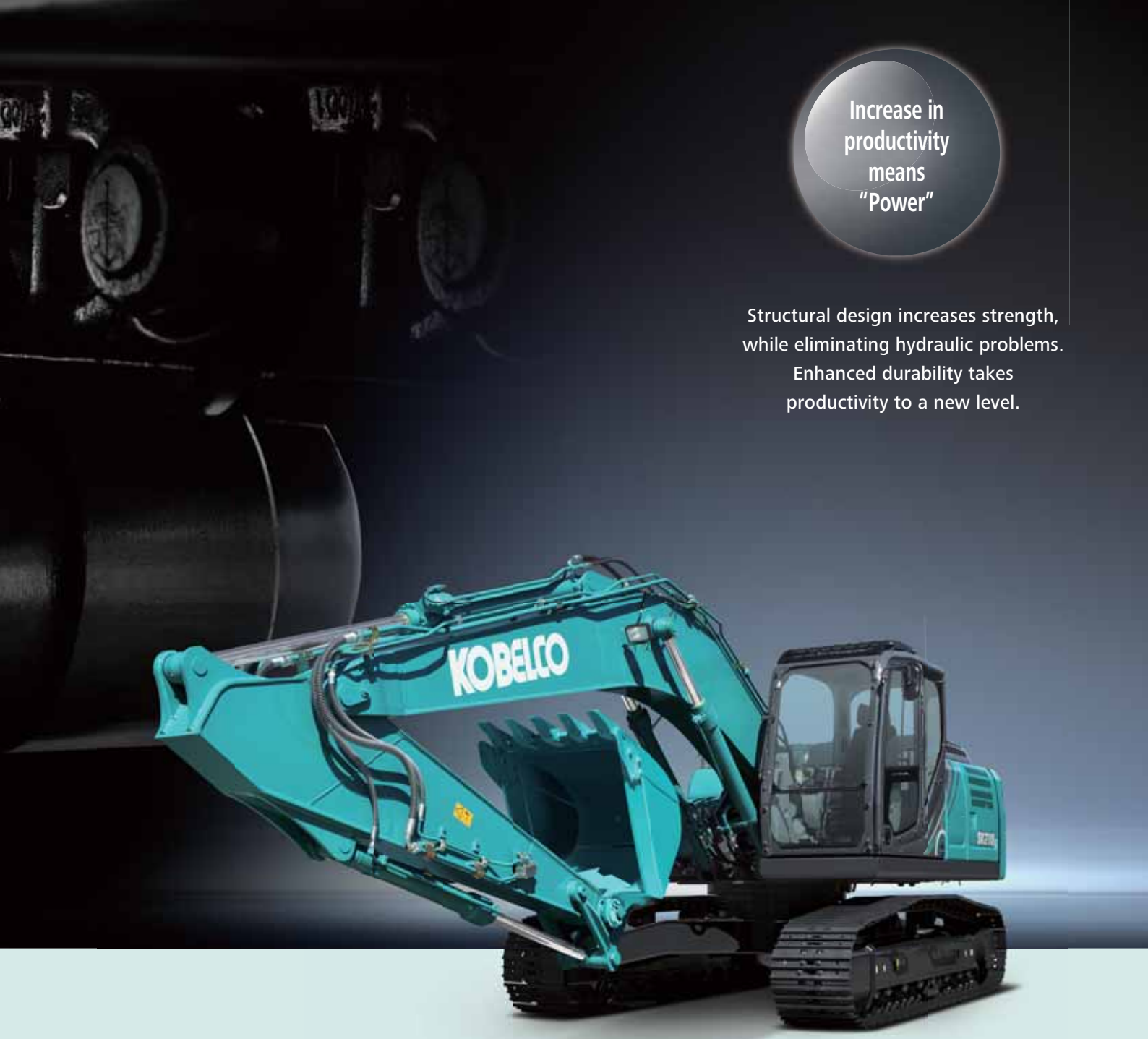
Current



New







Increase in productivity means "Power"

Structural design increases strength, while eliminating hydraulic problems. Enhanced durability takes productivity to a new level.

**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**

**NEW**

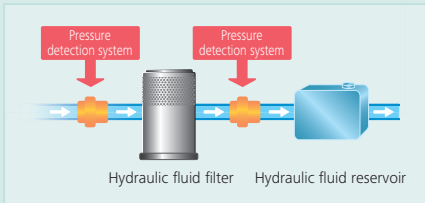
Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.



**Hydraulic Fluid Filter Clog Detector**

**NEW**

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.



**Metal mesh cover air cleaner**

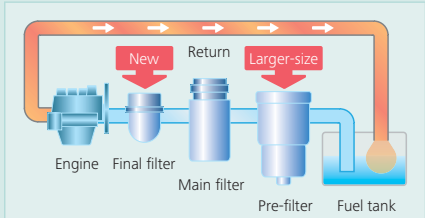
**NEW**

Metal mesh cover ensures strength and durability.



**Fuel filter**

The pre-filter with built-in water-separator has 1.6 times more filter area compared to the previous models, with a new final stage to maximize filtering performance.



# 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.



The picture is optional air suspension seat.



## Comfort

### Super-Airtight Cab



The high level of air-tightness keeps dust out of the cab.

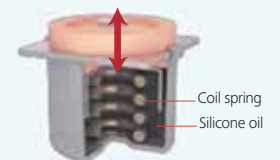
### Quiet Inside

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.

Twice the stroke of a conventional mount



### Broad View Liberates the Operator

The front window features one large piece of glass without a center pillar on the right side for a wide, unobstructed view.

## Air Conditioner Register behind the Seat

**NEW**



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



Seat suspension absorbs vibration



Seat recliner can be pushed back flat



Double slides allow adjustment for optimum comfort



## 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.

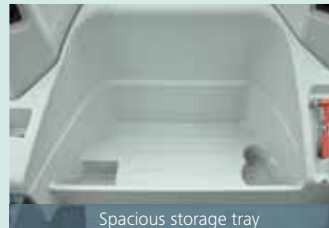
## Interior Equipment Adds to Comfort and Convenience



Automatic AM/FM radio



USB pin/12V power outlet



Spacious storage tray



Large cup holder

## 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.

- TOP Guard is fitted as standard.



### Expanded Field of View for Greater Safety



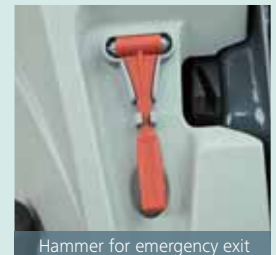
Rearview mirrors left and right

Greater safety assured by rearview mirrors on left and right.

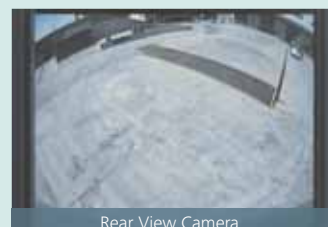


Rear view

Rear view shows the area directly behind the cab.



Hammer for emergency exit



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.

# GEOSCAN

## Excavator Remote Monitoring System



### Remote Monitoring for Peace of Mind

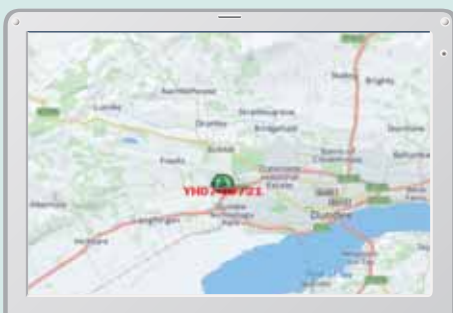
GEOSCAN uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult.

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.

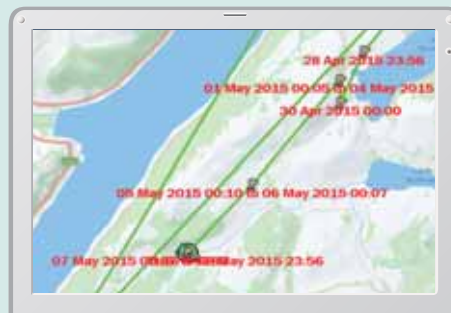
### Direct Access to Operational Status

#### Location Data

• Accurate location data can be obtained even from sites where communications are difficult.



Latest location



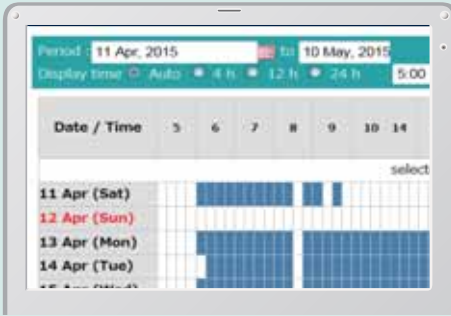
Location records

Field	11 Apr. 2015	10 May. 2015	Search
Type of Operation	Working Hrs	Ratio	
Total Working Hrs	188 Hrs	100 %	
Digging Hrs	72.2 Hrs	43 %	
Travelling Hrs	18.3 Hrs	11 %	
Idle Hrs	15.9 Hrs	0 %	
Opt Att Hrs	62.5 Hrs	37 %	
Crane Mode Hrs	0 Hrs	0 %	

Work data

## 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.



Daily report

## Fuel Consumption Data

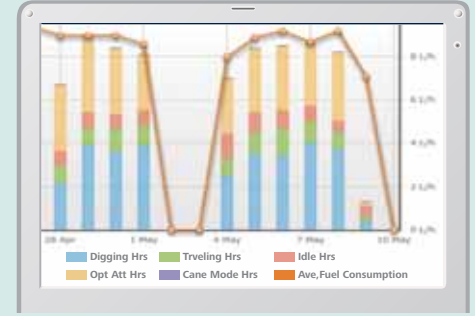
- Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
<b>TOTAL</b>	<b>171:25</b>	<b>1514.2 L</b>

Fuel consumption

## Graph of Work Content

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



Work status

## Maintenance Data and Warning Alerts

### Machine Maintenance Data

- 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.

Model	Serial No.	Hour Meter	Engine Oil
SK135RCLC-3/SK140SRL	Y107-09771	734 Hr	434
SK135RCLC-3/SK140SRL	Y107-09789	73 Hr	429
SK210LC-9	Y013-10454	960 Hr	58
SK210LC-9	Y013-10481	549 Hr	498
SK75SR-	YT08-30374		

Maintenance

### 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.



### Daily/Monthly Reports

- Operational data downloaded onto a computer helps in formulating daily and monthly reports.

## Security System

### Engine Start Alarm

- The system can be set an alarm if the machine is operated outside designated time.

Engine start alarm outside prescribed work time

### Area Alarm

- It can be set an alarm if the machine is moved out of its designated area to another location.

Alarm for outside of reset area



## Easy, On-the-Spot Maintenance NEW

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.



Generous space for maintenance work



Step/Hand rail

## 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.



Double-element air cleaner



Fuel filter with built-in water-separator



Fuel filter



Right side



Left side

- 1 Fuel filter
- 2 Fuel filter with built-in water-separator
- 3 Engine oil filter

Laid out for easy access to radiator and cooling system elements

# Efficient Maintenance Keeps the Machine in Peak Operating Condition.



## Machine Information Display Function

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 irregular and transient malfunction

## More Efficient Maintenance Inside the Cab



Easy-access fuse box

More finely differentiated fuses make it easier to locate malfunctions.



Air conditioner filters

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

## Easy Cleaning



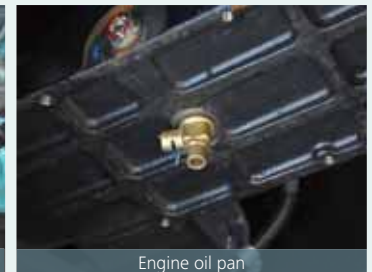
Crawler frame

Special crawler frame design is easily cleaned of mud.



Detachable two-piece floor mat

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



Engine oil pan

Engine oil pan equipped with drain valve.

Long-life hydraulic oil:  
**5,000**  
hours

## 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.





## Engine

Model	JO5ETA-KSSE
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders	4
Bore and stroke	112 mm x 130 mm
Displacement	5.123 L
Rated power output	114 kW/2,000 min <sup>-1</sup> (ISO 9249)
	118 kW/2,000 min <sup>-1</sup> (ISO 14396)
Max. torque	569 N·m/1,600 min <sup>-1</sup> (ISO 9249)
	592 N·m/1,600 min <sup>-1</sup> (ISO 14396)



## Hydraulic System

Pump	
Type	Two variable displacement pumps + one gear pump
Max. discharge flow	2 x 220 L/min, 1 x 20 L/min, 1 x 44L/min(optional gear pump)
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm <sup>2</sup> }
Power Boost	37.8 MPa {385 kgf/cm <sup>2</sup> }
Travel circuit	34.3 MPa {350 kgf/cm <sup>2</sup> }
Swing circuit	29.0 MPa {296 kgf/cm <sup>2</sup> }
Control circuit	5.0 MPa {50 kgf/cm <sup>2</sup> }
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	13.3 min <sup>-1</sup> {rpm}
Tail swing radius	2,910 mm
Min. front swing radius	3,550 mm



## Attachments

Backhoe bucket and combination

Type	Backhoe bucket			
Bucket capacity	SAE heaped	m <sup>3</sup> (cu yd)	1.0	1.3
	SAE Struck	m <sup>3</sup> (cu yd)	0.75	0.9
Opening width	With side cutter	mm	1,460	—
	Without side cutter	mm	1,360	1,630
No. of teeth			6	6
Can be turned over			Yes	Yes
Bucket weight		kg	780	820
Combination	2.4m short arm		○	○
	2.94m standard arm		○	×
	3.5m long arm		○	×

◎ Standard combination ○ General operation △ Light operation × Prohibited combination



## 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 shoes	46 (49) each side
Travel speed	6.0/3.6 km/h
Drawbar pulling force	229 kN (ISO 7464)
Gradeability	70 % {35°}

( ) show SK210LC



## Cab & Control

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



## Boom, Arm & Bucket

Boom cylinders	120 mm x 1,355 mm
Arm cylinder	135 mm x 1,558 mm
Bucket cylinder	120 mm x 1,080 mm



## Refilling Capacities & Lubrications

Fuel tank	320 L
Cooling system	18 L
Engine oil	20.5 L
Travel reduction gear	2 x 5.3 L
Swing reduction gear	2.7 L
Hydraulic oil tank	140 L tank oil level
	244 L hydraulic system

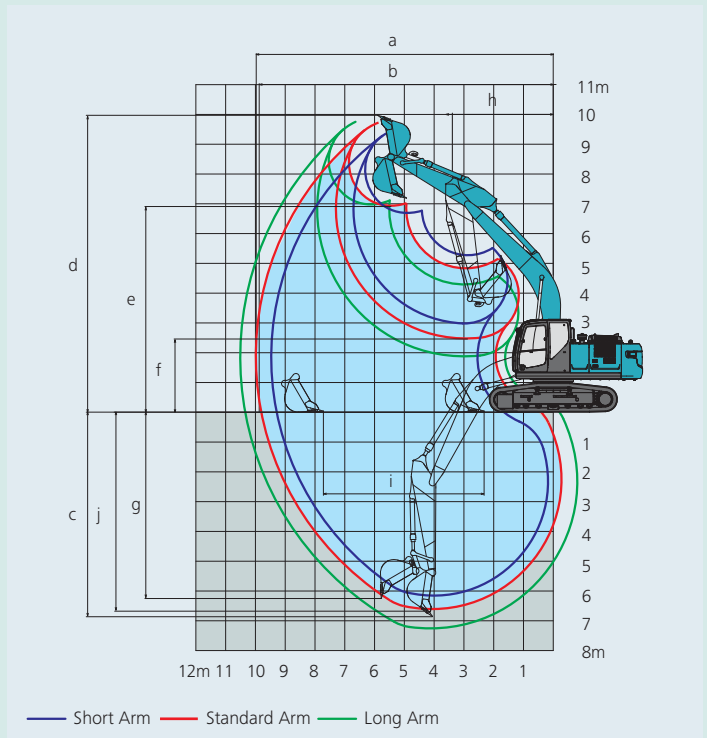




## Working Ranges

Unit: m

Range	Arm	5.65 m		
		Short 2.4 m	Standard 2.94 m	Long 3.5 m
a-Max. digging reach		9.42	9.9	10.34
b-Max. digging reach at ground level		9.24	9.73	10.17
c-Max. digging depth		6.16	6.7	7.26
d-Max. digging height		9.51	9.72	9.75
e-Max. dumping clearance		6.68	6.91	6.97
f-Min. dumping clearance		2.98	2.43	1.87
g-Max. vertical wall digging depth		5.57	6.1	6.47
h-Min. swing radius		3.56	3.55	3.48
i-Horizontal digging stroke at ground level		4.08	5.27	6.08
j-Digging depth for 2.4 m (8') flat bottom		5.95	6.52	7.08
Bucket capacity ISO heaped m <sup>3</sup>		0.93	0.8	0.7



## Digging Force (ISO 6015)

Unit: kN

Arm length	Short 2.4 m	Standard 2.94 m	Long 3.5 m
Bucket digging force	143 157*	143 157*	143 157*
Arm crowding force	121 133*	102 112*	91.8 101*

\*Power Boost engaged.



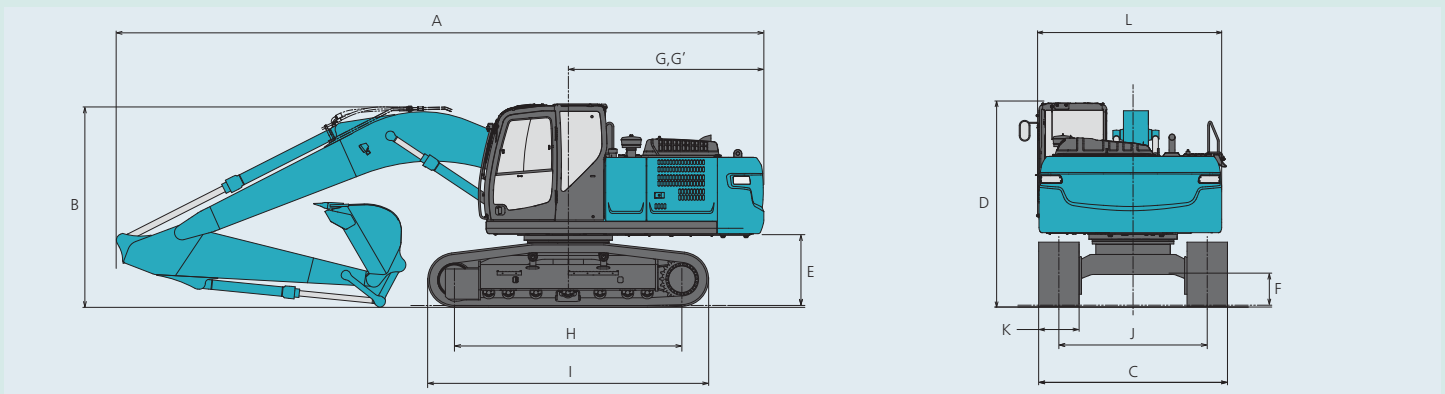
## Dimensions

Arm length		Short 2.4 m	Standard 2.94 m	Long 3.5 m
A Overall length		9,680	9,600	9,670
B Overall height (to top of boom)		3,190	3,030	3,180
C Overall width of crawler	SK200	2,800		
	SK210LC	2,990		
D Overall height (to top of cab)		3,060		
E Ground clearance of rear end*		1,060		
F Ground clearance*		450		
G Tail swing radius		2,910		

Unit: mm

G' Distance from center of swing to rear end		2,900
H Tumbler distance	SK200	3,370
	SK210LC	3,660
I Overall length of crawler	SK200	4,170
	SK210LC	4,450
J Track gauge	SK200	2,200
	SK210LC	2,390
K Shoe width		600
L Overall width of upperstructure		2,710

\*Without including height of shoe

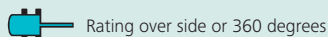
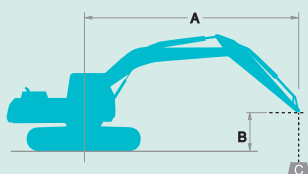


## Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.94 m arm, and 0.8 m<sup>3</sup> ISO heaped bucket

Shaped	Triple grouser shoes (even height)				
		600	700	800	
Shoe width	mm	600	700	800	
Overall width of crawler	SK200	mm	2,800	2,900	2,990
	SK210LC	mm	2,990	3,090	3,180
Ground pressure	SK200	kPa	46	41	36
	SK210LC	kPa	44	38	34
Operating weight	SK200	kg	20,700	21,100	21,300
	SK210LC	kg	21,100	21,500	21,700

# Lifting Capacities



A: Reach from swing centerline to arm top  
 B: Arm top height above/below ground  
 C: Lifting capacities in Kilograms  
 Bucket: Without bucket  
 Relief valve setting: 34.3 MPa (350 kgf/cm<sup>2</sup>)

SK200		Boom: 5.65 m Arm: 2.94 m, Bucket: without Shoe: 600 mm												
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg							5,260	4,720			4,230	4,230	6.26 m
6.0 m	kg							5,880	4,720			3,920	3,300	7.36 m
4.5 m	kg							6,430	4,540	4,780	3,140	3,830	2,790	8.03 m
3.0 m	kg					9,390	6,540	6,620	4,270	4,660	3,020	3,910	2,530	8.39 m
1.5 m	kg					9,920	6,010	6,330	4,010	4,520	2,900	3,790	2,430	8.46 m
G.L.	kg			6,290	6,290	9,570	5,710	6,130	3,830	4,420	2,800	3,880	2,480	8.25 m
-1.5 m	kg	6,660	6,660	11,010	10,740	9,480	5,630	6,040	3,760	4,390	2,780	4,230	2,690	7.75 m
-3.0 m	kg	11,680	11,680	14,740	10,950	9,560	5,700	6,090	3,800			5,050	3,210	6.90 m
-4.5 m	kg			10,940	10,940	8,000	5,950					6,040	4,540	5.51 m

SK200		Boom: 5.65 m Arm: 3.5 m, Bucket: without Shoe: 600 mm												
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											3,590	3,590	6.85 m
6.0 m	kg									4,490	3,210	3,380	2,930	7.86 m
4.5 m	kg							5,820	4,580	4,800	3,140	3,350	2,490	8.49 m
3.0 m	kg			12,900	12,700	8,490	6,680	6,660	4,290	4,650	3,000	3,440	2,260	8.83 m
1.5 m	kg			7,170	7,170	10,010	6,060	6,330	4,000	4,480	2,850	3,430	2,160	8.89 m
G.L.	kg			7,660	7,660	9,550	5,670	6,080	3,770	4,350	2,730	3,490	2,190	8.7 m
-1.5 m	kg	6,510	6,510	10,890	10,490	9,360	5,520	5,950	3,660	4,290	2,670	3,760	2,350	8.23 m
-3.0 m	kg	10,420	10,420	15,890	10,650	9,380	5,530	5,950	3,650			4,390	2,740	7.43 m
-4.5 m	kg	15,510	15,510	12,750	11,000	9,110	5,710	6,110	3,810			5,890	3,680	6.16 m

SK210LC		Boom: 5.65 m Arm: 2.94 m, Bucket: without Shoe: 600 mm												
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg							5,260	5,200			4,220	4,220	6.26 m
6.0 m	kg							5,880	5,200			3,900	3,630	7.36 m
4.5 m	kg							6,430	5,010	5,380	3,480	3,820	3,080	8.03 m
3.0 m	kg					9,390	7,300	7,290	4,740	5,260	3,360	3,900	2,800	8.39 m
1.5 m	kg					11,100	6,750	7,200	4,480	5,110	3,230	4,140	2,690	8.46 m
G.L.	kg			6,290	6,290	11,100	6,450	6,990	4,290	5,010	3,140	4,360	2,750	8.25 m
-1.5 m	kg	6,660	6,660	11,010	11,010	11,000	6,360	6,900	4,220	4,980	3,110	4,760	2,990	7.75 m
-3.0 m	kg	11,680	11,680	14,740	12,610	10,600	6,440	6,950	4,260			5,700	3,560	6.90 m
-4.5 m	kg			10,940	10,940	8,000	6,690					6,010	5,040	5.51 m

SK210LC		Boom: 5.65 m Arm: 3.5 m, Bucket: without Shoe: 600 mm												
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											3,590	3,590	6.85 m
6.0 m	kg									4,490	3,560	3,380	3,250	7.86 m
4.5 m	kg							5,820	5,060	5,400	3,480	3,350	2,780	8.49 m
3.0 m	kg			12,900	12,900	8,490	7,440	6,750	4,770	5,250	3,340	3,440	2,530	8.83 m
1.5 m	kg			7,170	7,170	10,400	6,810	7,200	4,470	5,080	3,190	3,670	2,430	8.89 m
G.L.	kg			7,660	7,660	11,080	6,410	6,940	4,240	4,940	3,070	3,960	2,460	8.70 m
-1.5 m	kg	6,510	6,510	10,890	10,890	10,880	6,250	6,810	4,120	4,870	3,010	4,270	2,650	8.23 m
-3.0 m	kg	10,420	10,420	15,890	12,290	10,900	6,260	6,800	4,120			4,980	3,080	7.43 m
-4.5 m	kg	15,510	15,510	12,750	12,660	9,110	6,440	6,420	4,270			6,100	4,120	6.16 m

- Notes:**
- 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.
  - 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.
  - Arm top defined as lift point.
  - 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.
  - 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.
  - Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

## STANDARD EQUIPMENT

- ENGINE**
- Engine, HINO J05ETA-KSSE, diesel engine with turbocharger and intercooler
  - Automatic engine deceleration
  - Auto Idle Stop (AIS)
  - Batteries (2 x 12V - 96Ah)
  - Starting motor (24V - 5 kW), 60 amp alternator
  - Automatic engine shut-down for low engine oil pressure
  - Engine oil pan drain cock
  - Double element air cleaner
- CONTROL**
- Working mode selector (H-mode, S-mode and ECO-mode)
  - Power Boost
- SWING SYSTEM & TRAVEL SYSTEM**
- Swing rebound prevention system
  - Straight propel system
  - Two-speed travel with automatic shift down
  - Sealed & lubricated track links
  - Grease-type track adjusters
  - Automatic swing brake
- HYDRAULIC**
- Arm regeneration system
  - Auto warm up system
  - Aluminum hydraulic oil cooler
- MIRRORS & LIGHTS**
- Two rear view mirrors
  - Three front working lights (2 for boom, one for right storage box)
- CAB & CONTROL**
- Two control levers, pilot-operated
  - Tow eyes
  - Horn, electric
  - Cab light (interior)
  - Luggage tray
  - Large cup holder
  - Detachable two-piece floor mat
  - Headrest
  - Handrails
  - Intermittent windshield wiper with double-spray washer
  - Skylight
  - Tinted safety glass
  - Pull-up type front window and removable lower front window
  - Easy-to-read multi-display color monitor
  - Automatic air conditioner
  - Emergency escape hammer
  - Suspension seat
  - Radio, AM/FM stereo with speaker
  - TOP guard
  - Boom & Arm safety valve
  - Geoscan
  - Travel alarm
  - Quick hitch piping

## OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Additional track guide
- Multi control valve
- Extra hydraulic circuit
- Two cab lights
- Air suspension seat
- Rain visor (may interfere with bucket action)

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

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. Specialist equipment is needed to use this machine in demolition work. Before using it please contact your KOBELCO dealer. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

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