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.

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SK330/SK350LC-10-TUR-101-170401NF

KOBELCO

SK330 SK350LC

We Save You Fuel
Achieving a Low-Carbon Society

Power Meets Efficiency

24%
Higher fuel efficiency means "Efficiency"

Compared to S-mode on the SK330-8

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 SK330/SK350LC 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.

GENERATION 10

SK330 SK350LC

Evolution Continues, with Improved Fuel Efficiency.

24%
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 24%*. 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 reduces PM and NOx emissions, and meets TIERIII Standards.

* Compared to H-mode on the SK330-8

In Pursuit of Improved Fuel Efficiency

Operation Mode

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

■ Compared to previous models

H H-mode 16%
S S-mode 19%
E ECO-mode 24%

Values are approximate improvement rate.

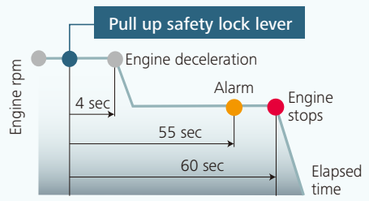
Always and Forever.
Yesterday, Today, and Tomorrow.
Obsessed with Fuel Efficiency.

Over the past 10 years, Kobelco has achieved an average reduction of about 37% in fuel consumption. And we vow to continue to lead in fuel efficiency.

■ Compared to SK330-6 model (2006)

E ECO-mode (SK330-10)
..... 45%

Value is approximate improvement rate.



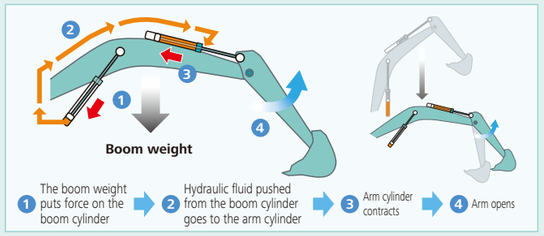
AIS (Auto Idle Stop)

If the boarding/disembarking lever is left up, the engine will stop automatically.
This eliminates wasteful idling during standby, saving fuel and reducing CO_2 emissions as well.

Hydraulic System: Revolutionary Technology Saves Fuel

Arm Regeneration System NEW

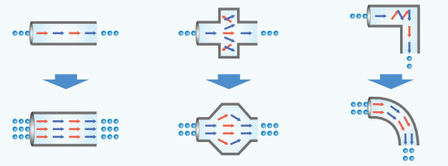
When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the shovel arm. This greatly reduces the need to apply power from outside the system.



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.

Improved hydraulic piping is an effective means of reducing pressure loss.



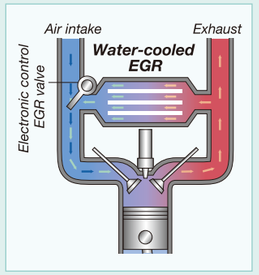
Pursuing maximum fuel efficiency

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.

Superior Digging Force

■Max. Bucket Digging Force

Normal: **229kN**

With power boost: **252kN**

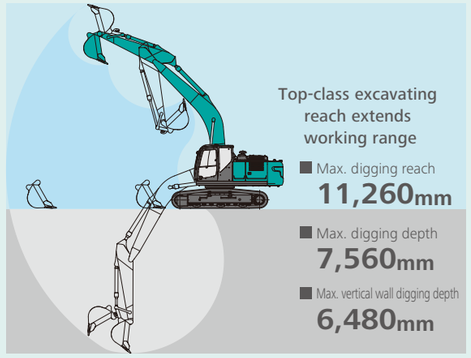
■Max. Arm Crowding Force

Normal: **165kN**

With power boost: **182kN**

*Values are for HD arm (3.30m)

Get More Done Faster with Superior Operability



Top-class excavating reach extends working range

■ Max. digging reach **11,260mm**

■ Max. digging depth **7,560mm**

■ Max. vertical wall digging depth **6,480mm**

*Values are for HD3.30m arm

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.

Complying with Transport Regulations

*Values are for HD3.30m arm

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: **333kN**

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

PM accumulation/ AdBlue accumulation display

Fuel consumption

Maintenance

Breaker mode

Nibbler mode

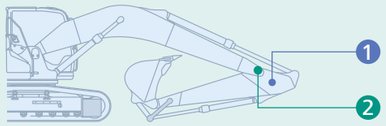
One-Touch Attachment Mode Switch

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.

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

Increase in productivity means "Power"

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



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.

NEW

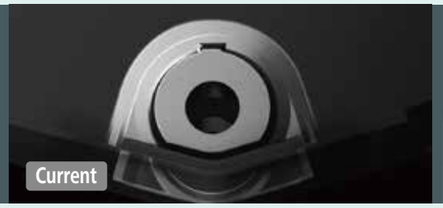
1 Enlarged Reinforcement of the Arm Foot

HD: Base plate thickness has been increased.

NEW

2 Modified Foot Boss Shape

The arm foot boss shape has been modified and improved to distribute stress, delivering more strength for tasks like digging next to a wall.



Improved Filtration System Reliability

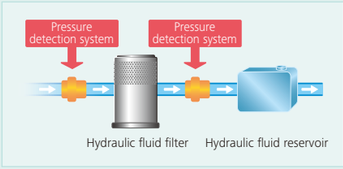
Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

Hydraulic Fluid Filter 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.

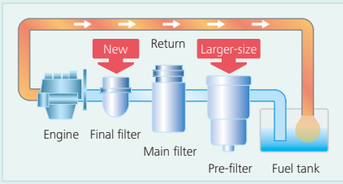


Metal mesh cover air cleaner NEW

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.

Comfort

Super-Airtight Cab

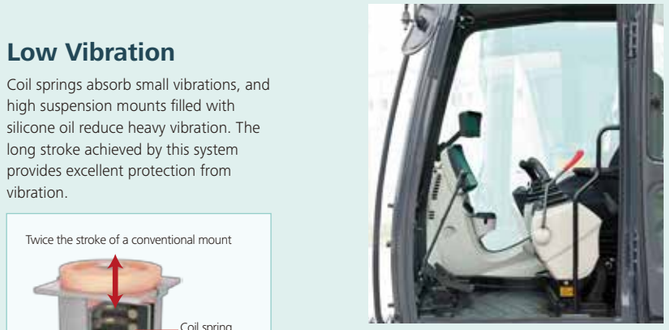
The high level of air-tightness keeps dust out of the cab.

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 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.

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.

More Comfortable Seat Means Higher Productivity

Seat suspension absorbs vibration

Seat recliner can be pushed back flat

Double slides allow adjustment for optimum comfort

Interior Equipment Adds to Comfort and Convenience

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.

*This picture contains optional cab two lights.

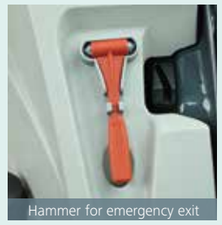
*TOP Guard is fitted as standard. (ISO 10262)
*This picture contains optional cab two lights.

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.

Expanded Field of View for Greater Safety

Rear View Camera Right side View Camera



Hammer for emergency exit

Right Side Camera Fitted as Standard
Further to the existing rear-view camera, a camera for the right side is fitted as standard for easy safety checks all round the machine.

Ecavator Remote Monitoring System

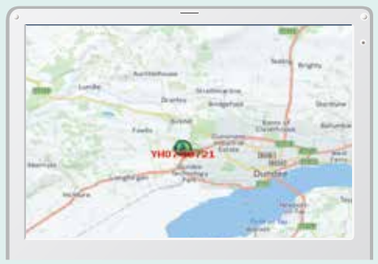
Remote Monitoring for Peace of Mind

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.

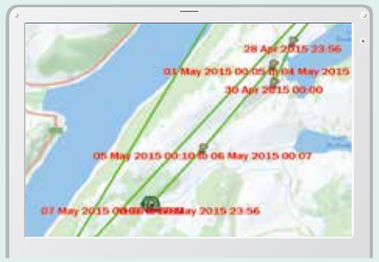
Direct Access to Operational Status

Location Data

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



Latest location

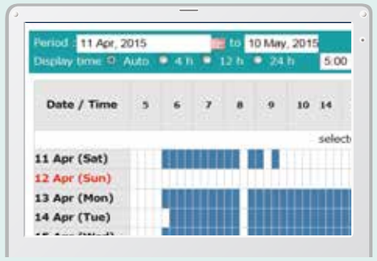


Location records

Work data

Operating Hours

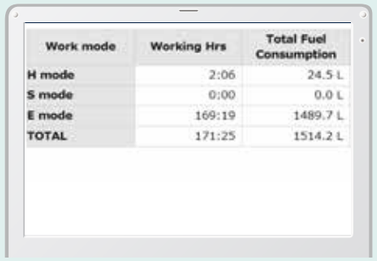
•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

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

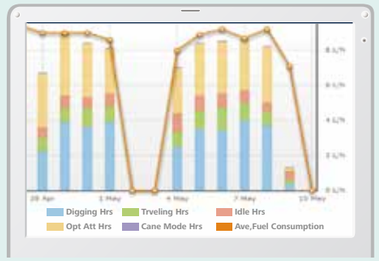


Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

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.

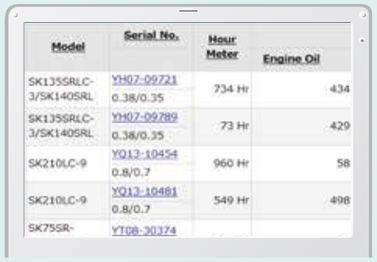


Work status

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
SK135SRLC-3/SK140SRL	YH07-09721 0.38/0.35	734 Hr	434
SK135SRLC-3/SK140SRL	YH07-09789 0.38/0.35	73 Hr	429
SK210LC-9	YQ13-10454 0.8/0.7	960 Hr	58
SK210LC-9	YQ13-10481 0.8/0.7	549 Hr	498
SK75SR-	YT08-30374		

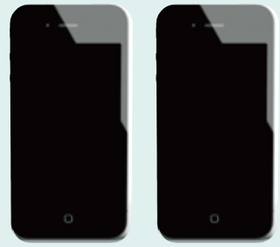
Maintenance

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.



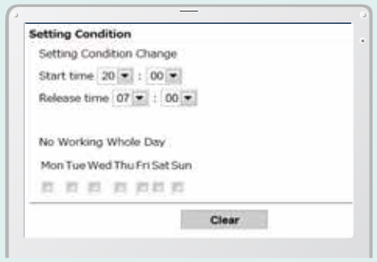
Daily/Monthly Reports

•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

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

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

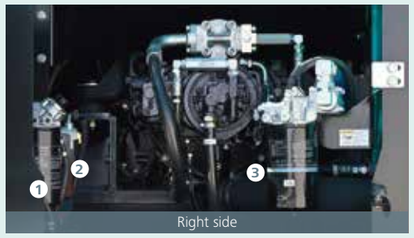

Step/Hand rail


Double-element air cleaner

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.


Fuel filter with built-in water-separator



Right side


Engine oil filter


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

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.

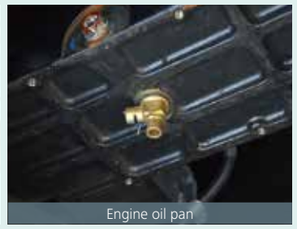
Easy Cleaning


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	HINO J08ETM-KSDL
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	7.684 L
Rated power output	197 kW/2,100 min^{-1} (ISO 9249)
	209 kW/2,100 min^{-1} (ISO 14396)
Max. torque	969 N·m/1,600 min^{-1} (ISO 9249)
	998 N·m/1,600 min^{-1} (ISO 14396)

Hydraulic System

Pump	
Type	Two variable displacement pumps + 1 gear pump
Max. discharge flow	2 x 294 L/min, 1 x 21 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm^2}
Power Boost	37.8 MPa {385 kgf/cm^2}
Travel circuit	34.3 MPa {350 kgf/cm^2}
Swing circuit	29.0 MPa {296 kgf/cm^2}
Control circuit	5.0 MPa {50 kgf/cm^2}
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	10 min^{-1} {rpm}

Attachments

Backhoe bucket and combination

Use			Backhoe bucket	
			Normal digging	
Bucket capacity	ISO heaped	m^3	1.5	1.6
Opening width	With side cutter	mm	1,390	1,470
	Without side cutter	mm	1,390	1,470
No. of teeth			5	5
Bucket weight		kg	1,510	1,570
Combination	2.60 m short arm		—	○
	3.30 m standard arm		○	—

○Recommended —Not recommended

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	45 (48) each side
Travel speed	5.6/3.3 km/h
Drawbar pulling force	333 kN (ISO 7464)
Gradeability	70% {35°}

( ) show SK350LC

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	
Noise levels	
External	105 dB(A) (ISO 6395)
Operator	72 dB(A) (ISO 6396)

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

Refilling Capacities & Lubrications

Fuel tank	503 L
Cooling system	35 L
Engine oil	28.5 L
Travel reduction gear	2 x 8.0 L
Swing reduction gear	7 L
Hydraulic oil tank	245 L tank oil level
	410 L hydraulic system

Working Ranges

Unit: m

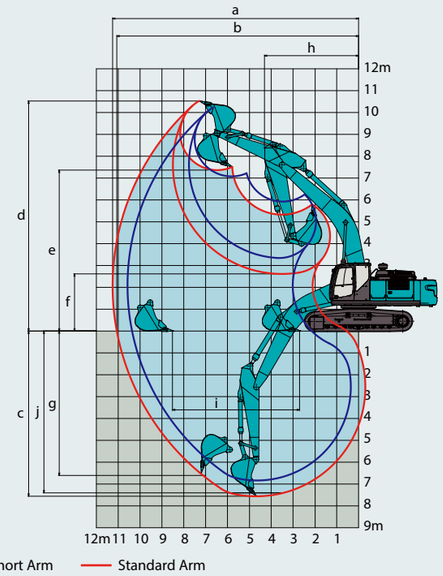
Boom	6.50 m	
Arm / Range	Short 2.6 m	Standard 3.3 m
a- Max. digging reach	10.61	11.26
b- Max. digging reach at ground level	10.4	11.06
c- Max. digging depth	6.84	7.56
d- Max. digging height	10.23	10.54
e- Max. dumping clearance	7.07	7.37
f- Min. dumping clearance	3.34	2.62
g- Max. vertical wall digging depth	5.70	6.48
h- Min. swing radius	4.46	4.31
i- Horizontal digging stroke at ground level	4.21	5.82
j- Digging depth for 2.4 m (8') flat bottom	6.65	7.40
Bucket capacity ISO heaped m^3	1.6	1.5

Digging Force (ISO 6015)

Unit: kN {tf}

Arm length	Short 2.6 m	Standard 3.3 m
Bucket digging force	229	229
	252*	252*
Arm crowding force	207	165
	228*	182*

*Power Boost engaged.



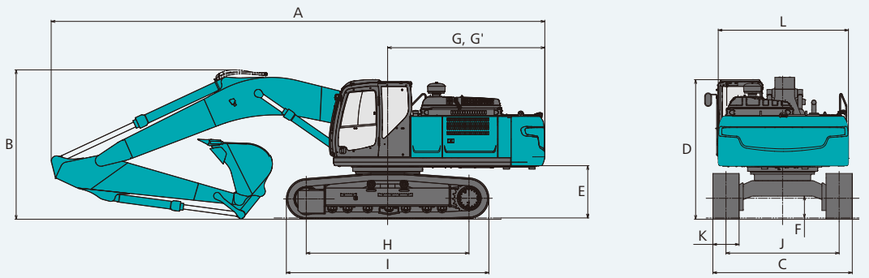
Dimensions

Unit: mm

Arm length		Short 2.6 m	Standard 3.3 m
A	Overall length	11,380	11,300
B	Overall height (to top of boom)	3,690	3,430
C	Overall width of crawler	3,190	
D	Overall height (to top of cab)	3,200	
E	Ground clearance of rear end*	1,190	
F	Ground clearance*	485	
G	Tail swing radius	3,600	

G'	Distance from center of swing to rear end		3,600
H	Tumbler distance	SK330	3,720
		SK350LC	4,050
I	Overall length of crawler	SK330	4,650
		SK350LC	4,960
J	Track gauge		2,590
K	Shoe width		600
L	Overall width of upperstructure		2,980

*Without including height of shoe

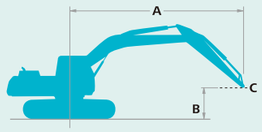


Operating Weight & Ground Pressure

In standard trim, with standard boom, 3.3 m arm, and 1.4 m^3 ISO heaped bucket

Shaped			Triple grouser shoes (even height)
Shoe width		mm	600
Overall width of crawler	SK330	mm	3,190
	SK350LC	mm	3,190
Ground pressure	SK330	kPa (kgf/cm^2)	71
	SK350LC	kPa (kgf/cm^2)	67
Operating weight	SK330	kg	35,100
	SK350LC	kg	35,700

Lift Capacities



Rating over front

Rating over side or 360 degrees

A: Reach from swing centerline to arm top
B: Arm top height above/below ground
C: Lift point
Bucket: Without bucket
Relief valve setting: 37.8 MPa (385 kgf/cm²)

SK330 — Boom: 6.5 m Arm: 3.3 m, Bucket: without Shoe: 600 mm

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius
9.0 m	kg													*5,750	*5,750	6.56 m
7.5 m	kg									*6,910	*6,910			*5,260	*5,260	7.86 m
6.0 m	kg									*7,010	*7,010			*5,080	*5,080	8.71 m
4.5 m	kg							*8,610	*8,610	*7,490	7,050	*6,910	5,220	*5,080	4,970	9.25 m
3.0 m	kg					*13,360	*13,360	*9,860	9,290	*8,140	6,700	7,120	5,070	*5,250	4,620	9.52 m
1.5 m	kg					*15,280	12,950	*10,960	8,700	*8,750	6,380	6,950	4,900	*5,580	4,490	9.54 m
G.L.	kg					*15,930	12,470	*11,600	8,320	8,840	6,150	6,820	4,790	*6,150	4,560	9.33 m
-1.5 m	kg			*13,950	*13,950	*15,590	12,370	*11,640	8,160	8,720	6,040			6,950	4,870	8.85 m
-3.0 m	kg	*15,880	*15,880	*19,570	*19,570	*14,400	12,500	*10,970	8,200	*8,490	6,080			*7,560	5,560	8.07 m
-4.5 m	kg			*15,910	*15,910	*12,080	*12,080	*9,170	8,460					*7,450	7,080	6.88 m

SK330 — Boom: 6.5 m Arm: 2.6 m, Bucket: without Shoe: 600 mm

A / B		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg									*7,790	*7,790	7.06 m
6.0 m	kg					*8,330	*8,330	*7,630	7,110	*7,570	6,340	8.00 m
4.5 m	kg			*11,970	*11,970	*9,290	*9,290	*7,990	6,870	*7,530	5,510	8.58 m
3.0 m	kg					*10,420	8,990	*8,530	6,550	7,180	5,090	8.87 m
1.5 m	kg					*11,320	8,480	8,970	6,270	7,010	4,940	8.89 m
G.L.	kg			*15,750	12,320	*11,680	8,200	8,780	6,090	7,200	5,040	8.66 m
-1.5 m	kg			*14,930	12,370	*11,410	8,140	8,740	6,050	7,830	5,470	8.15 m
-3.0 m	kg	*16,830	*16,830	*13,300	12,610	*10,320	8,280			*8,000	6,440	7.29 m
-4.5 m	kg	*12,690	*12,690	*10,270	*10,270					*7,500	*7,500	5.95 m

SK350LC — Boom: 6.5 m Arm: 3.3 m, Bucket: without Shoe: 600 mm

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius
9.0 m	kg													*5,750	*5,750	6.56 m
7.5 m	kg									*6,910	*6,910			*5,260	*5,260	7.86 m
6.0 m	kg									*7,010	*7,010			*5,080	*5,080	8.71 m
4.5 m	kg							*8,610	*8,610	*7,490	7,160	*6,910	5,310	*5,080	5,060	9.25 m
3.0 m	kg					*13,360	*13,360	*9,860	9,440	*8,140	6,820	*7,170	5,160	*5,250	4,700	9.52 m
1.5 m	kg					*15,280	13,170	*10,960	8,850	*8,750	6,490	*7,450	4,990	*5,580	4,570	9.54 m
G.L.	kg					*15,930	12,690	*11,600	8,470	*9,150	6,260	*7,570	4,880	*6,150	4,640	9.33 m
-1.5 m	kg			*13,950	*13,950	*15,590	12,590	*11,640	8,310	*9,150	6,150			*7,100	4,960	8.85 m
-3.0 m	kg	*15,880	*15,880	*19,570	*19,570	*14,400	12,720	*10,970	8,350	*8,490	6,200			*7,560	5,660	8.07 m
-4.5 m	kg			*15,910	*15,910	*12,080	*12,080	*9,170	8,610					*7,450	7,210	6.88 m

SK350LC — Boom: 6.5 m Arm: 2.6 m, Bucket: without Shoe: 600 mm

A / B		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg									*7,790	*7,790	7.06 m
6.0 m	kg					*8,330	*8,330	*7,630	7,220	*7,570	6,440	8.00 m
4.5 m	kg			*11,970	*11,970	*9,290	*9,290	*7,990	6,980	*7,530	5,610	8.58 m
3.0 m	kg					*10,420	9,140	*8,530	6,660	*7,590	5,180	8.87 m
1.5 m	kg					*11,320	8,630	*9,010	6,380	*7,710	5,030	8.89 m
G.L.	kg			*15,750	12,540	*11,680	8,350	*9,220	6,200	*7,870	5,140	8.66 m
-1.5 m	kg			*14,930	12,590	*11,410	8,290	*8,960	6,170	*8,000	5,570	8.15 m
-3.0 m	kg	*16,830	*16,830	*13,300	12,830	*10,320	8,430			*8,000	6,560	7.29 m
-4.5 m	kg	*12,690	*12,690	*10,270	*10,270					*7,500	*7,500	5.95 m

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. Arm top defined as lift point.
4. The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift 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.

STANDARD EQUIPMENT

ENGINE
- Engine, HINO J08ETM-KSDL, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12 V - 96 Ah)
- Starting motor (24 V - 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 interflow system
- Auto warm up system
- Aluminum hydraulic oil cooler
- Hydraulic fluid filter crog detector
- N&B piping
- Hydraulic pressure adjustment function for N&B piping

MIRROR, LIGHTS & CAMERA
- One rear side view mirror
- Three front working lights (2 for boom, one for right storage box)
- Rear & Right side camera

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
- TOP guard
- Geoscan
- Travel alarm

OPTIONAL EQUIPMENT

- HD 2.6 m arm
- Additional track guide
- Two cab lights
- Air suspension seat
- Rain visor (may interfere with bucket action)
- Cab guard
- Object handling kit
- Refueling pump
- Quick hitch piping

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