

Hydraulic Excavators

GEOSPEC

SK330 SK350

- Bucket Capacity: 1.2 – 2.3 m³ ISO heaped
- Engine Power: 200 kW {271 PS}/2,100 min⁻¹{rpm} (\$5014396)
- Operating Weight (800 mm shoe):
 34,700 kg SK330
 35,500 kg SK350LC

We Save You Fuel
Achieving a Low-Carbon Society

Announcing ACERA GEOSPEC and the Concept of Beautiful Performance.

The Power Wave of Change

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 KOBELCO's new ACERA GEOSPEC series,

an entirely new kind of 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.



Pursuing the "Three E's"

The Perfection of Next-Generation, Network Performance

Enhancement

Greater Performance Capacity

- New 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

- OAuto Idle Stop as standard equipment
- Noise reduction measures (with improvement of the sound quality) minimize noise and vibration



The "GEO" in GEOSPEC expresses our deep respect for our planet, and for the solid ground where excavators are in their element. This is accompanied by SPEC, which refers to the performance specifications needed to get the job done efficiently as we carry on the tradition of the urban-friendly ACERA series.





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 181 kN {18.5 tf}

Max. bucket digging force: 222 kN {22.6 tf}

Max. bucket digging force 244 kN {24.9 tf}

Powerful Travel

Travel torque: increased by 13 % 🔼

Drawbar pulling force: 322 kN {32.8 tf}

Greater Swing Power, Shorter Cycle Times

Swing torque: increased by 7 %

Swing speed: 16 % C3

faster (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.**

22 %

Light Lever Operation

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





NEXT-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.

^{*}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.

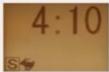
NEXT-3E Technology Next-Generation Electronic Engine Control

The high-pressure, common-rail fuel-injection engine features adjustable control to maximize fuel efficiency and provide powerful medium/low-speed torque. The result is a highly fuel-efficient engine.



Simple Select: Two Digging Modes







For heavy duty when a higher performance level is required.

S-Mode

For normal operations with lower fuel consumption.

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.

Optional Attachment Mode Selector Switch

There's a choice of three different hydraulic circuits, 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.



Seamless, Smooth Combined Operations

The GEOSPEC 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 system
- · Variable swing priority system
- Swing rebound prevention system

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.

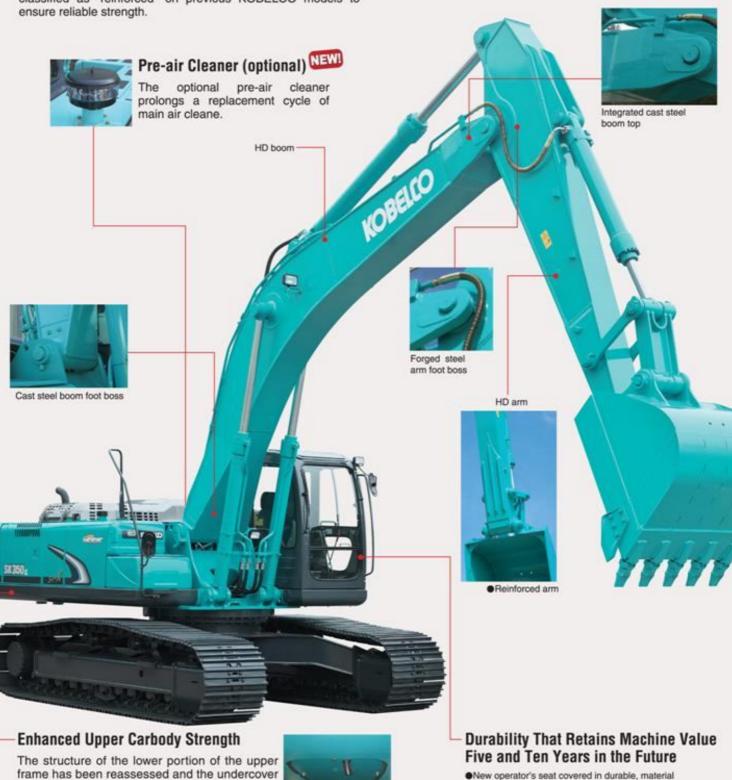
ITCS (Intelligent Total Control System)
is an advanced, computerized system that provides comprehensive control of all machine functions.



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 KOBELCO models to ensure reliable strength.



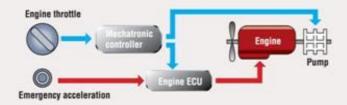
High-quality urethane paint
 Easily repaired bolted hand rails

area has been minimized for further 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 MCU

- Vertical alignment and sealed cover gives better protection from water and dust
- Integration in base plate boosts assembly quality
- Reliable fixture to base plate

Countermeasures Against Electrical System Failure

All elements of the electrical system, including controller, have been designed for enhanced reliability.



New MCU

The pump capacity has been 22 % increased by compared with previous models.

Conventional

MCU

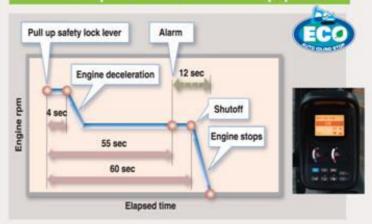


THE GROSPIEG DIG

The GEOSPEC Difference:

Designed for the Environment and the Future!

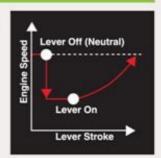
Auto Idle Stop Provided as Standard Equipment



This function saves fuel and cuts emissions by shutting down the engine automatically when the machine is on stand by. It also stops the hourmeter, which helps to retain the machine's asset value.

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.



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 GEOSPEC series meets all requirements cited in latest EU stage II.

Meets EMC (Electromagnetic Compatibility) Standards in Europe.

Measures have been taken to ensure that the GEOSPEC machines do not cause electro-magnetic interference.



"On the Ground" Maintenance!

Comfortable "On the Ground" Maintenance

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



Access through the right side cover

A new fuel filter has been installed that can handle the most punishing conditions. It now has two pre-fuel filters (with built-in water separators), and a highgrade main fuel filter with an ultra-fine 2 micron mesh that removes 95% of dust and other impurities in the fuel.



Main fuel filter Engine Oil Filter



Main fuel filter

Pre-fuel filter (with built-in water separators)

Quick Oil Drain Valves for Quick Maintenance



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

Quick drain valve



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

Fuel drain valve

More Efficient Maintenance Inside the Cab



 Detachable twopiece floor mat with handles for easy removal. A floor drain is located under the mat.



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



 Air conditioner filter can be easily removed without tools for cleaning.



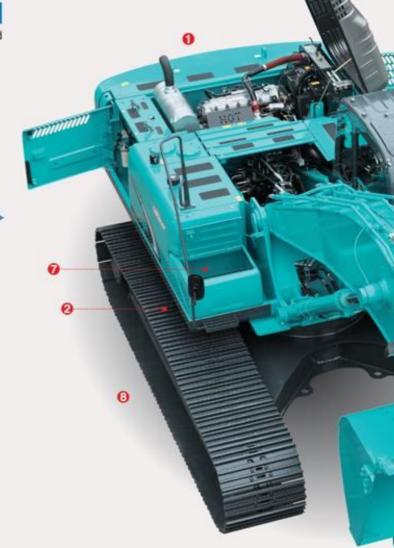
 Hour meter can be checked while standing on the ground.



 Large-capacity tool box can hold up to three pails.



 Special crawler frame design is easily cleaned of mud.



Access through the left side cover

Parallel Cooling Units Are Easy to Clean



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.

Air cleaner (double element)

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 earlywarning detection and display of electrical system malfunctions.
- Record 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.

<u>户</u> 为完电不良	Lichtmeschine defekt	CHARGE ERROR	CHARGE ERROR
Chinese	German	English	English (US)
FREER DE CHARGE	PENCISIAN BATT.	E3	ETERRORE DI CARICA
French	Indonesian	ISO	Italian
<u>□</u> チャージ	EESALAHAN CAS	ET apacieold	ERRO DE CARCA
Japanese	Malay	Myanmar(Brumese)	Portuguese
ERROR EN CARGA	auera dintago	<u>E∃</u> tertainef e	Sac Bien Bi Löi
Spanish	Tamil	Thai	Vietnamese



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.
- Reinforced green glass windows meet European standards.

Wide-Access Cab Ensures Smooth Entry and Exit

The left control box lifts up with the safety lock lever to add 10° to the cab entry angle for easy entrance and exit.



Plenty of Foot Room

With a total width of 1,005 mm, the cab has 35 mm more front to-back foot room than previous models. The travel pedal is larger for greater operator comfort.

Reduced 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.

In-Cab Noise is Reduced by 3dB Compared with Previous Models.



Creating a Comfortable Operating Environment



Seat can be reclined to horizontal position

Newly Designed Information Display Prioritizes Visual Recognition

The analog gauge provides information that's easy to read regardless of the operating environment. The information display screen has been enlarged, and a visor is attached to further enhance visibility.



Photo includes optional pedals for N&B and rotation.



●Double slide and suspen- ●Powerful automatic air





Spacious luggage tray

 New interior design and materials create an ele-

gant feel



One-touch lock release simplifies opening and closing the front window

Large cup holder



The GEOSPEC Difference:

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



Firewall separates the pump compartment from the engine



Hammer for emergency exit



Swing flashers/rear lights

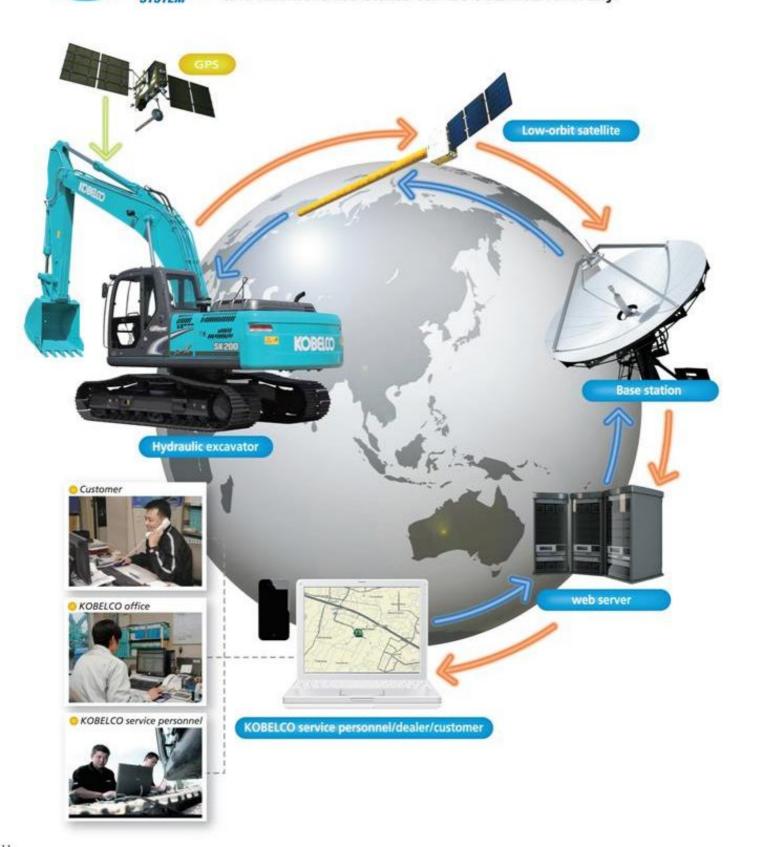
- Thermal guard prevents contact with hot components during engine
- Hand rails meet European standards
- Retractable seatbelt requires no manual adjustment





A multi-function monitoring system for construction machines

KOMEXS (Kobelco Monitoring Excavator System) uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult. When a hydraulic excavator is fitted with this system, data on the machine operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.





Direct access to operational status

Location data

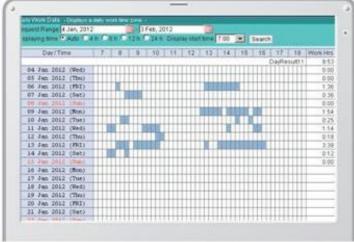
•Accurate location data can be obtained even from sites where communications are difficult.



Latest location

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.



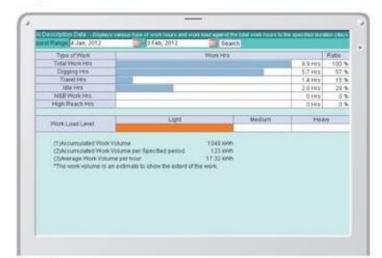
Daily report



Location records



Multiple locations



Work data



Fuel consumption data

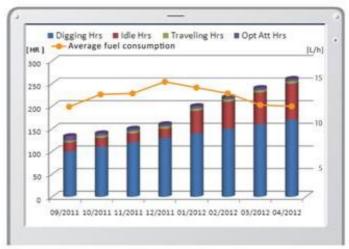
 Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

16 17 18 19 30 21 22 20 0 1	Pers	H	Fixed Level	Consumption	Fuel Efficiency
Total of selected period	53:06			847.17%	15.4280,8
N REPRESENTATION	19:23	3872	189 L/375 L (51%)	153.677L	14 820LP
	0.23	3872	178 L/370 L (A0%)	3.0134	7.8601,8
DESCRIPTION S 1000	0.52	3861	255 L/370 L (69%)	112.4141.	12,578L8
A SERVICE DESIGNATION OF THE PERSON OF THE P	14:40	3006	107 L/376 L (29%)	197.5136	13.330LR
ATTERNATURA III	16:43	3909	178 L/379 L (48%)	221.77%	13.2966,8
			- example constraint	95 C C C C C C C C C C C C C C C C C C C	
CAMPAGEMENT OF STREET	2.52	3801	255 L/370 L (69%)	112,4146	12:6700.8
	14:49	3896	107 L/079 L (29%)	197.5136	13.330L#
221111111111111111111111111111111111111	10.43	3909	178 LOTO L (48%)	221.77%	13.2660,6
A RESISTANCE	10:23	3872	189 L/370 L (51%)	953.877%	1482014
	0.23	3872	178 L/370 L (48%)	3.01%	7.8600,8
NEWHOLDSHIP E STO	852	3881	255 L/370 L (59%)	112.4145	12.879L#
	14:40	3806	107 L/370 L (29%)	197.5134	13.330L8
	16:43	3909	179 L/379 L (48%)	221.77%	13.266L#

Fuel consumption

Graph of work content

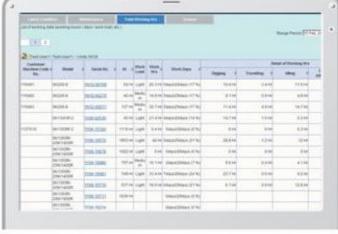
 The graph shows how working hours are divided among different operating categories, including digging, idling, traveling and optional operations (N&B).



Work status



Idle hours



Total working hours



Maintenance data and warning alerts

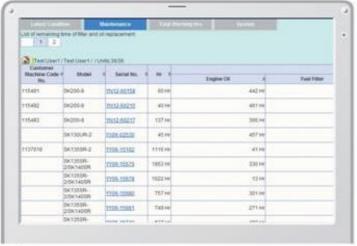
Machine maintenance data

- •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.

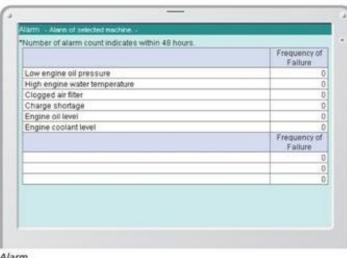
Warning alerts

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

- Machine Monitoring



Maintenance



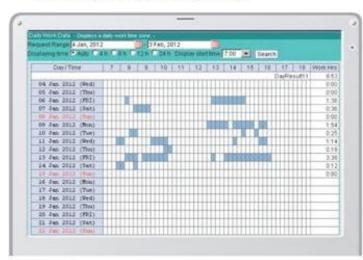
Alarm

- 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.

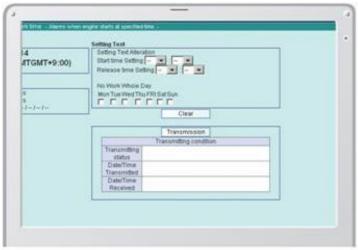


Daily reports

Security system

Engine start alarm

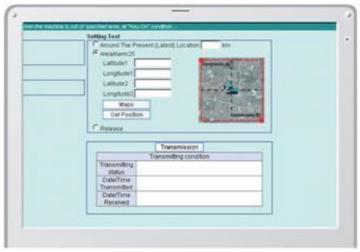
•The system can be set an alarm if the machine is operated outside designated time.



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

Specifications



Engine

Model	HINO JOSE
Туре	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders:	6
Bore and stroke:	112 mm × 130 mm
Displacement:	7.684 L
Dated assure autauts	200 kW/2,100 min ⁻¹ (ISO14396:2002)
Rated power output:	188 kW/2,100 min ⁻¹ (ISO9249:2007)*
Man demand	998 N-m/1,600 min ⁻¹ (ISO14396:2002)
Max. torque:	969 N-m/1,600 min ⁻¹ (ISO9249:2007)*

*Previous indication



Hydraulic System

Pump	
Type:	Two variable displacement pumps + 1 gear pump
Max. discharge flow:	2 × 294 L/min, 1 × 20 L/min
Relief valve setting	
Boom, arm and bucket:	34.3 MPa {350 kgf/cm²}
Power Boost:	37.8 MPa {385 kgf/cm²}
Travel circuit:	34.3 MPa {350 kgf/cm²}
Swing circuit:	29.0 MPa {296 kgf/cm²}
Control circuit:	5.0 MPa (50 kgf/cm²)
Pilot control pump:	Gear type
Main control valves:	8-spool
Oil cooler:	Air cooled type



Swing System

Axial-piston motor
Hydraulic; locking automatically when the swing control lever is in the neutral position
Hydraulic disc brake
10.0 min ⁻¹ {rpm}
3,500 mm
4,370 mm



Travel System

Travel motors:	2 X axial-piston, two-step motors
Travel brakes:	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Towns above	45 each side (SK330)
Travel shoes:	48 each side (SK350LC)
Travel speed:	5.6/3.3 km/h
Drawbar pulling force:	322 kN (ISO7464)
Gradeability:	70 % {35°}
Ground clearance:	500 mm



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



Boom, Arm & Bucket

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



Refilling Capacities & Lubrications

Fuel tank:	580 L	
Cooling system:	31.1 L	
Engine oil:	28.5 L	
Travel reduction gear:	2 × 9.5 L	
Swing reduction gear:	7.4 L	
Hydraulic oil tank:	280 L tank oil level 353 L hydraulic system	



Backhoe bucket and arm combination

				Backho	e bucket		
	Use		Norma	l digging		Light-duty	Heavy digging
Bucket capacity	ISO heaped m ³	1.2	1.4	1.6	2.3	1.8	1.4
Ducker capacity	Struck m³	0.84	1.0	1.2	1.84	1.4	1.0
Opening width	With side cutter mm	1,240	1,420	1,570	1,930	_	1,390
opening width	Without side cutter mm	1,110	1,300	1,450	1,760	1,680	1,330
No. of bucket teet	h	4	5	5	6	5	5
Bucket weight	kg	930	1,070	1,100	1,500	1,200	1,300
	2.25 m super short arm	0	0	0	0	0	0
200220000000	2.6 m short arm	0	0	0	×	Δ	0
Combinations	3.3 m standard arm	0	0	0	×	×	0
	4.15 m long arm	0	Δ	×	×	×	×

[○] Recommended △ Loading only × Not recommended



Working Ranges

Unit: m

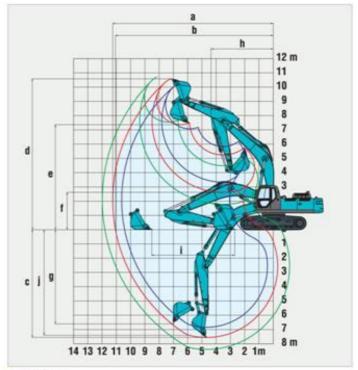
Boom		6.5 m	
Range	Short 2.6 m	Standard 3.3 m	Long 4.15 m
a - Max. digging reach	10.61	11.26	11.97
b - Max. digging reach at ground level	10.4	11.06	11.79
c - Max. digging depth	6.86	7.56	8.41
d - Max. digging height	10.26	10.58	10.7
e - Max. dumping clearance	7.06	7.37	7.53
f - Min. dumping clearance	3.32	2.62	1.77
g - Max. vertical wall digging depth	5.84	6.61	7.15
h - Min. swing radius	4.45	4.37	4.43
i - Horizontal digging stroke at ground level	4.21	5.82	7.21
j - Digging depth for 2.4 m (8') flat bottom	6.67	7.4	8.27
Bucket capacity ISO heaped m ³	1.6	1.4	1.2

Digging Force (ISO 6015)

Unit: kN (tf)

Arm length	Short	Standard	Long
	2.6 m	3.3 m	4.15 m
Bucket digging force	221 (22.5)	222 (22.6)	221 (22.5)
	244 (24.9)*	244 (24.9)*	243 (24.8)*
Arm crowding force	205 (20.9)	165 (16.8)	140 (14.3)
	225 (22.9)*	181 (18.5)*	154 (15.7)*

^{*}Power Boost engaged.



- Short Arm - Standard Arm Long Arm

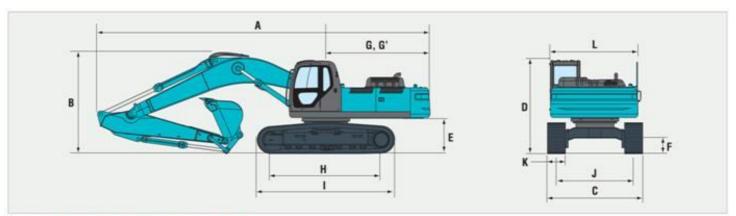


Dimensions

	Arm length		Short 2.6 m	Standard 3.3 m	Long 4.15 m	
A	Overall length		11,380	11,300	11,330	
В	Overall height (to top of boom)		3,640	3,420	3,590	
	Owner II width	SK330	3,4	00 (with 800 mm shi	pes)	
C	Overall width SK350LC		3,400 (with 800 mm shoes)			
D	Overall height (t	o top of cab)	3,160	3,160	3,160	
E	Ground clearance	e of rear end*	1,190	1,190	1,190	
F	Ground clearance	e*	500	500	500	

				Oille IIII
Tail swing radius		3,600	3,600	3,600
Distance from cent swing to rear end	er of	3,600	3,600	3,600
Tumbles distance	SK330	3,730	3,730	3,730
And the second of the second of	SK350LC	4,050	4,050	4,050
Overall length	SK330	4,650	4,650	4,650
of crawler	SK350LC	4,980	4,980	4,980
Total server	SK330	2,600	2,600	2,600
rrack gauge	SK350LC	2,600	2,600	2,600
Shoe width			600/800	
Overall width of upp	erstructure	2,950	2,950	2,950
	Distance from cent swing to rear end Tumbler distance Overall length of crawler Track gauge Shoe width	Distance from center of swing to rear end Tumbler distance SK330 SK350LC Overall length of crawler SK330 SK350LC Track gauge SK350LC	Distance from center of swing to rear end 3,600	Distance from center of swing to rear end 3,600 3,600

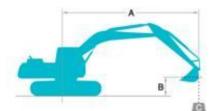
* Without including height of shoe lug.

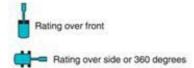


Operating Weight & Ground Pressure In standard trim, with standard boom, 3.3 m arm, and 1.4 m³ ISO heaped bucket

Shaped			Triple grouser sho	es (even height)
Shoe width	mm		600	800
Our and and disk		SK330	3,200	3,400
Overall width	mm	SK350LC	3,200	3,400
	LDs (balland)	SK330	68 (0.70)	53 (0.54)
Ground pressure	kPa (kgt/cm²)	SK350LC	64 (0.66)	50 (0.51)
O	1942	SK338	33,700	34,700
Operating weight	kg	SK350LC	34,400	35,500

Lifting Capacities





- 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)

SK330		Standar	d Arm: 3.3	m Bucket	1.4 m ³ IS	O heaped	1,070 kg	Shoe: 600	mm							
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	m	9.0	m	At Max.	Reach	
В		1	-	-	-	1	-	1	-	-	4	-	-	1	-	Radius
7.5 m	kg									*5,640	*5,640			*3,650	*3,650	8.05 m
6.0 m	kg									*5,840	*5,840			*3,600	*3,600	8.88 m
4.5 m	kg							*7,320	*7,320	*6,370	*6,370	*5,840	4,570	*3,690	*3,690	9.41 m
3.0 m	kg			*12,590	*12,590	*11,730	*11,730	*8,630	*8,630	*7,070	6,030	*6,180	4,390	*3,920	3,830	9.67 m
1.5 m	kg			*7,080	*7,080	*13,950	12,320	*9,850	8,010	*7,760	5,680	6,110	4,200	*4,320	3,680	9.70 m
G. L.	kg			*10,390	*10,390	*15,020	11,670	*10,670	7,570	7,930	5,410	5,960	4,050	*4,980	3,720	9.49 m
-1.5 m	kg	*10,760	*10,760	*14,890	*14,890	*15,030	11,460	*10,920	7,360	7,770	5,260	5,890	3,990	5,870	3,980	9.02 m
-3.0 m	kg	*15,190	*15,190	*20,250	*20,250	*14,170	11,530	*10,500	7,340	7,770	5,260			6,740	4,580	8.26 m
-4.5 m	kg	*20,200	*20,200	*16,970	*16,970	*12,270	11,820	*9,150	7,530					*7,250	5,890	7.10 m
-6.0 m	kg					*8.560	*8,560							*7,090	*7,090	5.29 m

SK33	0	Standar	d Arm: 3.3	m Bucket	: 1.4 m² IS	O heaped	1,070 kg	Shoe: 800	mm							
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	5 m	9.0	m	At Max.	Reach	
В		1	-	1	-	-	-	1	-	1	-	-	-	1	⇔	Radius
7.5 m	kg									*5,640	*5,640			*3,650	*3,650	8.05 m
6.0 m	kg									*5,840	*5,840			*3,600	*3,600	8.88 m
4.5 m	kg							*7,320	*7,320	*6,370	*6,370	*5,840	4,730	*3,690	*3,690	9.41 m
3.0 m	kg			*12,590	*12,590	*11,730	*11,730	*8,630	*8,630	*7,070	6,230	*6,180	4,550	*3,920	*3,920	9.67 m
1.5 m	kg			*7,080	*7,080	*13,950	12,710	*9,850	8,280	*7,760	5,880	6,340	4,360	*4,320	3,820	9.70 m
G. L.	kg			*10,390	*10,390	*15,020	12,060	*10,670	7,840	8,220	5,610	6,180	4,210	*4,980	3,870	9.49 m
-1.5 m	kg	*10,760	*10,760	*14,890	*14,890	*15,030	11,850	*10,920	7,620	8,060	5,460	6,120	4,150	*6,070	4,140	9.02 m
-3.0 m	kg	*15,190	*15,190	*20,250	*20,250	*14,170	11,920	*10,500	7,610	*8,040	5,460			*6,990	4,750	8.26 m
-4.5 m	kg	*20,200	*20,200	*16,970	*16,970	*12,270	12,220	*9,150	7,790					*7,250	6,100	7.10 m
-6.0 m	kg					*8,560	*8,560							*7,090	*7,090	5.29 m

SK33	0	Long An	m: 4.15 m	Bocket: 1	.2 m² ISO I	leaped 93	0 kg Shoo	: 600 mm								
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	m	9.0	m	At Max.	Reach	
		1	-	1	-	-	-	1	-	-	-	1	-	1	4	Radius
7.5 m	kg													*2,830	*2,830	8.85 m
6.0 m	kg											*4,670	*4,670	*2,780	*2,780	9.62 m
4.5 m	kg									*5,630	*5,630	*5,220	4,670	*2,850	*2,850	10.11 m
3.0 m	kg			*15,930	*15,930	*10,040	*10,040	*7,650	*7,650	*6,390	6,150	*5,640	4,440	*3,020	*3,020	10.35 m
1.5 m	kg			*12,530	*12,530	*12,620	*12,620	*9,030	8,170	*7,180	5,740	*6,090	4,210	*3,310	3,230	10.38 m
G. L.	kg	*6,110	*6,110	*11,720	*11,720	*14,280	11,750	*10,090	7,600	*7,830	5,390	5,910	4,000	*3,780	3,230	10.18 m
-1.5 m	kg	*9,500	*9,500	*14,260	*14,260	*14,880	11,310	*10,650	7,260	7,680	5,170	5,780	3,870	*4,520	3,410	9.74 m
-3.0 m	kg	*12,990	*12,990	*18,060	*18,060	*14,560	11,210	*10,620	7,140	7,590	5,080	5,760	3,860	5,710	3,830	9.04 m
-4.5 m	kg	*16,880	*16,880	*19,250	*19,250	*13,300	11,380	*9,830	7,210	*7,430	5,160			*6,700	4,700	8.00 m
-6.0 m	kg			*15,020	*15,020	*10,720	*10,720	*7,800	7,530					*7,000	6,760	6.46 m

SK330		Long An	m: 4.15 m	Bucket: 1	.2 m² ISO I	neaped 93	0 kg Shoe	:: 800 mm							-	
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	5 m	9.0	m	At Max.	Reach	
,		1	-	1	-	-	-	-	-	1	-	1	-	1	4	Radius
7.5 m	kg			1700										*2,830	*2,830	8.85 m
6.0 m	kg											*4,670	*4,670	*2,780	*2,780	9.62 m
4.5 m	kg									*5,630	*5,630	*5,220	4,830	*2,850	*2,850	10.11 m
3.0 m	kg			*15,930	*15,930	*10,040	*10,040	*7,650	*7,650	*6,390	6,350	*5,640	4,600	*3,020	*3,020	10.35 m
1.5 m	kg			*12,530	*12,530	*12,620	*12,620	*9,030	8,440	*7,180	5,930	*6,090	4,370	*3,310	*3,310	10.38 m
G. L.	kg	*6,110	*6,110	*11,720	*11,720	*14,280	12,140	*10,090	7,870	*7,830	5,590	6,140	4,160	*3,780	3,370	10.18 m
-1.5 m	kg	*9,500	*9,500	*14,260	*14,260	*14,880	11,700	*10,650	7,520	7,970	5,370	6,000	4,030	*4,520	3,550	9.74 m
-3.0 m	kg	*12,990	*12,990	*18,060	*18,060	*14,560	11,610	*10,620	7,400	7,870	5,280	5,980	4,020	*5,830	3,980	9.04 m
-4.5 m	kg	*16,880	*16,880	*19,250	*19,250	*13,300	11,780	*9,830	7,480	*7,430	5,360			*6,700	4,880	8.00 m
-6.0 m	kg			*15,020	*15,020	*10,720	*10,720	*7,800	7,800					*7,000	*7,000	6.46 m

	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	5 m	9.8	m	At Max.	Reach	
8		-	-	-	-	1	-	-	-	-	-	-	-	1	-	Radius
7.5 m	kg									*5,640	*5,640			*3,650	*3,650	8.05 m
6.0 m	kg									*5,840	*5,840			*3,600	*3,600	8.88 m
4.5 m	kg							*7,320	*7,320	*6,370	*6,370	*5,840	4,680	*3,690	*3,690	9.41 m
3.0 m	kg			*12,590	*12,590	*11,730	*11,730	*8,630	*8,630	*7,070	6,160	*6,180	4,490	*3,920	*3,920	9.67 m
1.5 m	kg			*7,080	*7,080	*13,950	12,580	*9,850	8,190	*7,760	5,810	*6,530	4,310	*4,320	3,770	9.70 m
G. L.	kg	*10,760	*10,760	*10,390	*10,390	*15,020	11,930	*10,670	7,750	*8,270	5,540	*6,770	4,160	*4,980	3,820	9.49 m
-1.5 m	kg	*15,190	*15,190	*14,890	*14,890	*15,030	11,720	*10,920	7,530	*8,430	5,390	*6,370	4,100	*6,070	4,080	9.02 m
-3.0 m	kg	*20,200	*20,200	*20,250	*20,250	*14,170	11,790	*10,500	7,520	*8,040	5,390			*6,990	4,690	8.26 m
-4.5 m	kg			*16,970	*16,970	*12,270	12,080	*9,150	7,700					*7,250	6,030	7.10 m
-6.0 m	kg					*8,560	*8,560							*7,090	*7,090	5.29 m

SK350	LC	Standar	d Arm: 3.3	m Bucket	: 1.4 m³ IS	O heaped	1,070 kg	Shoe: 800	mm							
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	5 m	9.0	m	At Max.	Reach	
В		1	-	-	-	-	-	-	-	-	-	1	-	1	-	Radius
7.5 m	kg									*5,640	*5,640			*3,650	*3,650	8.05 m
6.0 m	kg									*5,840	*5,840			*3,600	*3,600	8.88 m
4.5 m	kg							*7,320	*7,320	*6,370	*6,370	*5,840	4,840	*3,690	*3,690	9.41 m
3.0 m	kg			*12,590	*12,590	*11,730	*11,730	*8,630	*8,630	*7,070	6,360	*6,180	4,660	*3,920	*3,920	9.67 m
1.5 m	kg			*7,080	*7,080	*13,950	12,980	*9,850	8,460	*7,760	6,010	*6,530	4,470	*4,320	3,920	9.70 m
G. L.	kg			*10,390	*10,390	*15,020	12,330	*10,670	8,020	*8,270	5,740	*6,770	4,320	*4,980	3,970	9.49 m
-1.5 m	kg	*10,760	*10,760	*14,890	*14,890	*15,030	12,120	*10,920	7,800	*8,430	5,600	*6,370	4,260	*6,070	4,240	9.02 m
-3.0 m	kg	*15,190	*15,190	*20,250	*20,250	*14,170	12,190	*10,500	7,790	*8,040	5,590			*6,990	4,870	8.26 m
-4.5 m	kg	*20,200	*20,200	*16,970	*16,970	*12,270	*12,270	*9,150	7,970					*7,250	6,250	7.10 m
-6.0 m	kg					*8,560	*8,560							*7,090	*7,090	5.29 m

SK3501	LC	Long Ar	m: 4,15 m	Bucket: 1	.2 m³ ISO I	reaped 93	30 kg Sho	e: 600 mm								
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	5 m	9.0	m	At Max.	Reach	
8		1	-	-	-	-	-	-	-	-	-	1	-	1	-	Radius
7.5 m	kg													*2,830	*2,830	8.85 m
6.0 m	kg											*4,670	*4,670	*2,780	*2,780	9.62 m
4.5 m	kg									*5,630	*5,630	*5,220	4,780	*2,850	*2,850	10.11 m
3.0 m	kg			*15,930	*15,930	*10,040	*10,040	*7,650	*7,650	*6,390	6,280	*5,640	4,550	*3,020	*3,020	10.35 m
1.5 m	kg			*12,530	*12,530	*12,620	*12,620	*9,030	8,350	*7,180	5,870	*6,090	4,310	*3,310	*3,310	10.38 m
G. L.	kg	*6,110	*6,110	*11,720	*11,720	*14,280	12,010	*10,090	7,780	*7,830	5,520	*6,460	4,110	*3,780	3,320	10.18 m
-1.5 m	kg	*9,500	*9,500	*14,260	*14,260	*14,880	11,560	*10,650	7,440	*8,210	5,300	*6,630	3,980	*4,520	3,500	9.74 m
-3.0 m	kg	*12,990	*12,990	*18,060	*18,060	*14,560	11,470	*10,620	7,310	*8,160	5,210	*6,310	3,960	*5,830	3,930	9.04 m
-4.5 m	kg	*16,880	*16,880	*19,250	*19,250	*13,300	11,640	*9,830	7,390	*7,430	5,290			*6,700	4,820	8.00 m
-6.0 m	kg			*15,020	*15,020	*10,720	*10,720	*7,800	7,710					*7,000	6,920	6.46 m

SK350	LC	Long An	m: 4.15 m	Bucket: 1	.2 m² ISO I	reaped 9	30 kg Sho	e: 800 mm								
	A	1.5	m	3.0	m	4.5	m	6.0	m	7.5	i m	9.0	m	At Max.	Reach	
В		1	-	-	-	-	-	-	-	-	-	1	-	1	-	Radius
7.5 m	kg													*2,830	*2,830	8.85 m
6.0 m	kg											*4,670	*4,670	*2,780	*2,780	9.62 m
4.5 m	kg									*5,630	*5,630	*5,220	4,940	*2,850	*2,850	10.11 m
3.0 m	kg			*15,930	*15,930	*10,040	*10,040	*7,650	*7,650	*6,390	*6,390	*5,640	4,710	*3,020	*3,020	10.35 m
1.5 m	kg			*12,530	*12,530	*12,620	*12,620	*9,030	8,620	*7,180	6,070	*6,090	4,480	*3,310	*3,310	10.38 m
G. L.	kg	*6,110	*6,110	*11,720	*11,720	*14,280	12,410	*10,090	8,050	*7,830	5,730	*6,460	4,270	*3,780	3,460	10.18 m
-1.5 m	kg	*9,500	*9,500	*14,260	*14,260	*14,880	11,960	*10,650	7,700	*8,210	5,500	*6,630	4,140	*4,520	3,650	9,74 m
-3.0 m	kg	*12,990	*12,990	*18,060	*18,060	*14,560	11,870	*10,620	7,580	*8,160	5,410	*6,310	4,120	*5,830	4,090	9.04 m
-4.5 m	kg	*16,880	*16,880	*19,250	*19,250	*13,300	12,040	*9,830	7,660	*7,430	5,490			*6,700	5,010	8.00 m
-6.0 m	kg		19	*15,020	*15,020	*10,720	*10,720	*7,800	*7,800					*7,000	*7,000	6.46 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. 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.
- Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE

- Engine, HINO J08E, Diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- 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

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 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
 - Ashtrav
- Cigarette lighter
- Cab light (interior)
- Coat hook
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- 7-way adjustable suspension seat
- Retractable seatbelt
- Headrest
- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Suspension seat

OPTIONAL EQUIPMENT

- Wide range of buckets
- Various optional arms
- Wide range of shoes
 Front-guard protective structures
- Additional track guide

- Additional hydraulic circuit
- Arm rest
- Additional cownterweight
- Multi-control valve
- Rain visor

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

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