KOBELCO

SK300LC SK300NLC

SK300LC-10/SK300NLC-10

■ **Bucket Capacity :**

0.60 - 1.40 m^3

■ **Engine Power :**

200 kW / 2,100 min^{-1}

■ **Operating Weight :**

29,800 - 31,400 kg

We Save You Fuel
Achieving a Low-Carbon Society

Power Meets Efficiency

SK300LC SK300NLC

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 SK300LC 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. Also, this machine conforms to Stage IV Exhaust Emission Standards, thanks to its significantly reduced NOx* emissions. 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.

* NOx: Nitrogen Oxide

GENERATION 10

Evolution Continues, with Improved Fuel Efficiency

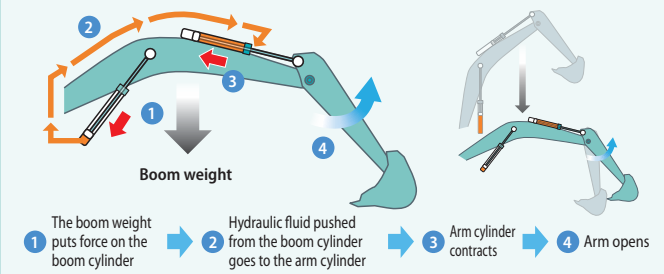
Hydraulic System: Revolutionary Technology Saves Fuel

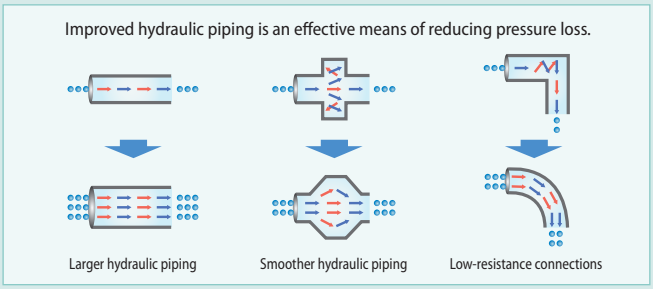
Arm Interflow System NEW

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.





In Pursuit of Improved Fuel Efficiency

ECO-mode: engineered for economy

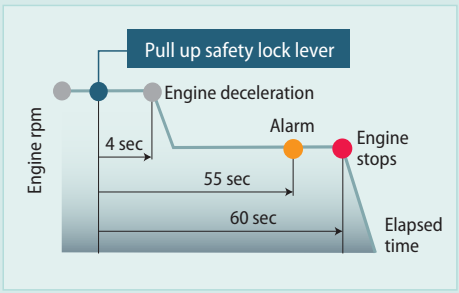
Kobelco's ECO-mode maximizes the operating efficiency of the engine and other components to achieve much greater fuel efficiency. Just press a button to choose the operation mode best suited to the task at hand and the working conditions.

Optimal operation with three modes

H **H-mode** • • • **Maximum power for maximum productivity on your toughest jobs**

S **S-mode** • • • **Ideal balance of productivity and fuel efficiency for a range of urban engineering projects**

E **ECO-mode** • • • **Minimum fuel consumption for utility projects and other work that demands precision**



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.

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.
The engine, already well-known for its environmental performance has a new SCR* system, and its reduced NOx emissions means the engine now meets Stage IV Standards.

* SCR: Selective Catalytic Reduction

Engine Meets Stage IV Standards

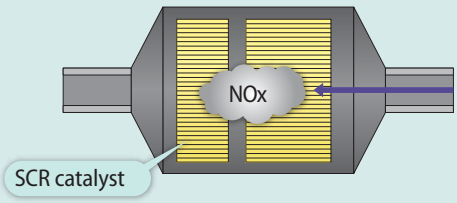
Reduces Fuel Consumption and Minimizes Exhaust Emissions

Hino engines are renowned for fuel efficiency and environmental performance, and Kobelco has tuned these powerplants especially for construction machinery. The pressure within the common rail fuel injection system, the VG turbo, and the exhaust gas after-treatment system reduce exhaust PM*3 while the large-capacity EGR cooler sharply reduces the formation of NOx gases.

*3 PM: Particulate Matter

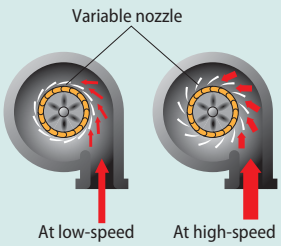
SCR System with DEF/AdBlue NEW

The engine exhaust system has an SCR system that converts NOx emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disposes of PM, the SK300LC has a much cleaner exhaust that meets Stage IV exhaust emission standards.



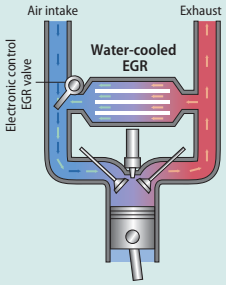
VG Turbo Reduces PM

The variable-geometry turbocharger adjusts air intake to maximize combustion efficiency. At low engine speeds the nozzles are closed, the turbo speed increased and air intake is boosted. This helps lower fuel consumption.



EGR Cooler Reduces NOx

Cooled exhaust gases from the EGR cooler are mixed with fresh air in the intake. The recirculated air lowers the combustion temperature which reduces NOx.



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.

■ Max. Bucket Digging Force

Normal: **188kN**

With Power Boost: **208kN**

■ Max. Arm Crowding Force

Normal: **126kN**

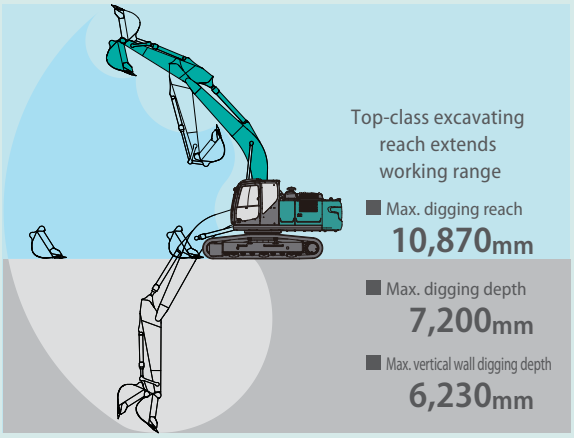
With Power Boost: **139kN**

Values are for HD arm (3.10m)

■ Max. Engine Power

Power Output	(ISO 9249)	kW/min^{-1}	Net 188/2,100
	(ISO 14396)	kW/min^{-1}	Net 200/2,100
Max.Torque	(ISO 9249)	N·m/min^{-1}	Net 988/1,600
	(ISO 14396)	N·m/min^{-1}	Net 1017/1,600

Get More Done Faster with Superior Operability



Values are for HD arm (3.10m)

Piping for Quick Hitch
(optional)

A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.

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

NEW

It takes 25%* less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

*Compared to SK350LC-9

Complying with Transport Regulations

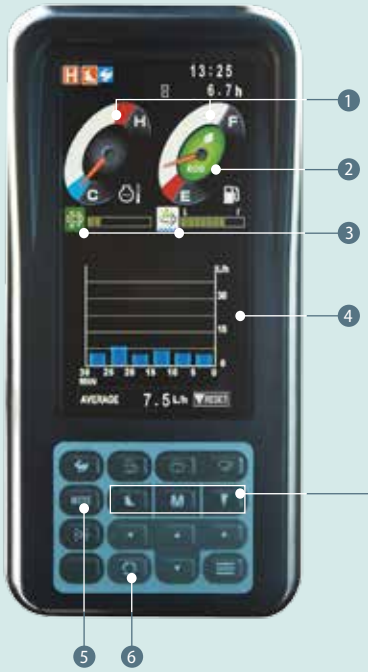
values are for HD arm(3.10m)

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: **280kN**

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. PM accumulation display (left)/AdBlue level gauge (right)
4. Fuel consumption/Switch indicator for rear camera images
5. Digging mode switch
6. 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

Improved Filtration System Reliability

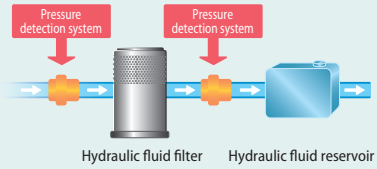
Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

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.

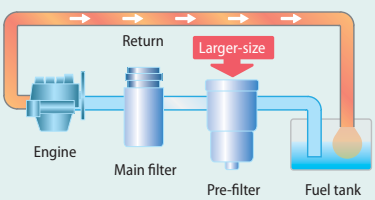


Double-Element Air Cleaner

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

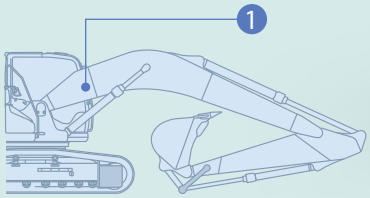
Fuel Filter NEW

The pre-filter, with built-in water separator maximizes filtering performance.



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

Redesigned boom offers excellent durability during demanding work conditions to reliably handle work volume.

1 Newly designed boom

NEW

Increased boom foot cross section for improve durability against tensile stress

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

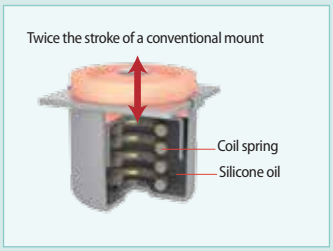
The high level of air-tightness keeps dust out of the cab.

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.



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/24V power outlet

Spacious storage tray

Large cup holder

Safety

ROPS Cab

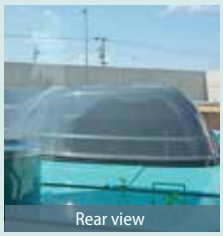
ROPS (Roll-Over-Protective Structure)-compliant cab clears ISO standards (ISO-12117-2: 2008) and ensures greater safety for the operator should the machine tip over.

TOP Guard is fitted as standard.

Expanded Field of View for Greater Safety

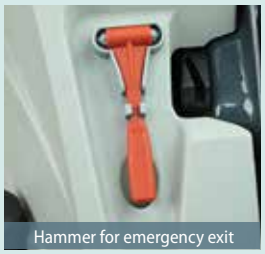
Rear View Camera Right side View Camera

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.



Rear view

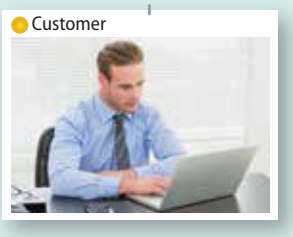
Rear view shows the area directly behind the cab.



Hammer for emergency exit

KOMEXS

KOBELCO MONITORING EXCAVATOR SYSTEM



Remote Monitoring for Peace of Mind

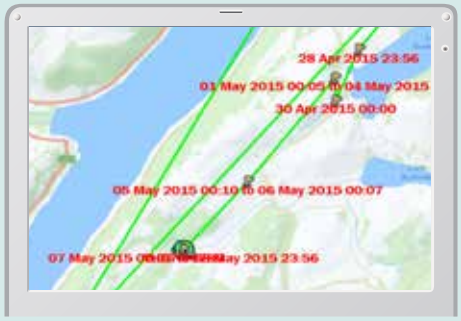
KOMEXS (Kobelco Monitoring Excavator System) uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult. When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours,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

Direct Access to Operational Status

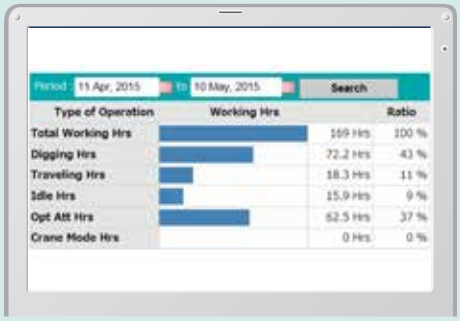
Location Data

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

Latest location



Location records



Work data

Operating Hours

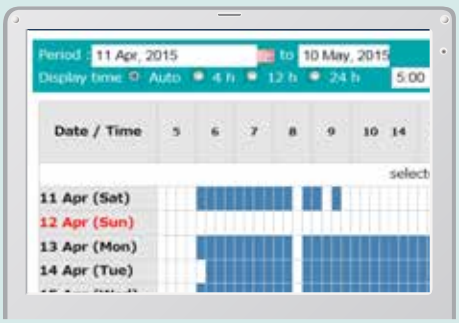
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Fuel Consumption Data

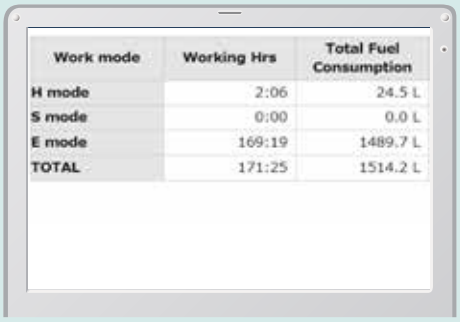
Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Graph of Work Content

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

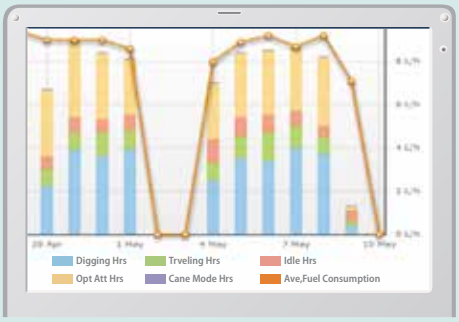


Daily report



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

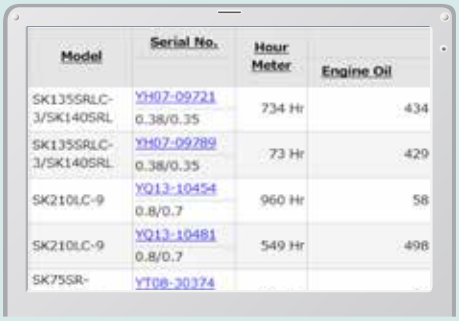


Work status

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-	YT08-20374		

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.

Messages displayed when the machine returns to the set area.

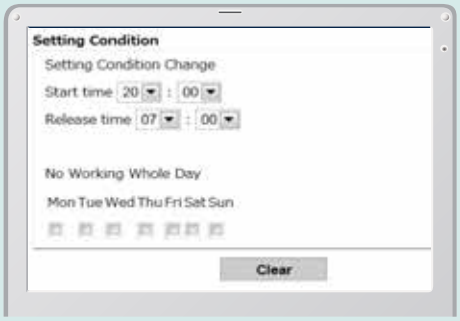
Daily/Monthly Reports

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


DEF/AdBlue tank
Positioned where the step opens.


Double-element air cleaner

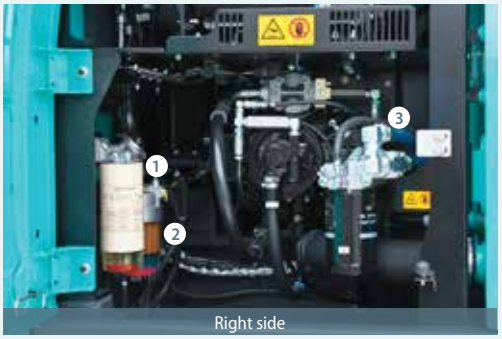
Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.


Fuel filter/Pre-filter


Left side
Laid out for easy access to radiator and cooling system elements


Engine oil filter



Right side
1. Fuel filter
2. Pre-filter
3. Engine oil filter

Efficient Maintenance Keeps the Machine in Peak Operating Condition

Examples of displaying maintenance information

Machine Information Display Function

- 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.

DPF reactivation switch

If the monitor warning goes off, the filter should be reactivated manually using a switch.

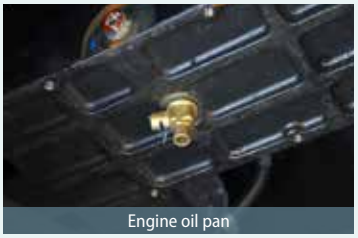
Easy Cleaning

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.

Specifications

Engine

Model	J08EVV-KSDP
Type	Water-cooled, 4cycle 6cylinder direct injection type diesel engine with intercooler turbo-charger (complies with EU (NRMM) Stage IV, EPA Tier IV Final)
No. of cylinders	6
Bore and stroke	112 mm x 130 mm
Displacement	7.684L
Rated power output	188 kW/2,100 min^{-1} (ISO 9249)
	200 kW/2,100 min^{-1} (ISO 14396)
Max. torque	988 N·m/1,600 min^{-1} (ISO 9249)
	1,017 N·m/1,600 min^{-1} (ISO 14396)

Hydraulic System

Pump	
Type	Two variable displacement pumps + one gear pump
Max. discharge flow	2 x 245 L/min, 1 x 21 L/min
Relief valve setting	
Boom, arm and bucket	34.3Mpa
Power Boost	37.8Mpa
Travel circuit	34.3Mpa
Swing circuit	29.0Mpa
Control circuit	5.0Mpa
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type

Swing System

Swing motor	Axial piston motor
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	10.3min^{-1}
Swing torque	98.6kN·m
Tail swing radius	3,300mm
Min front swing radius	4,430mm

Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brake	Oil disc brake per motors
Travel shoes	50 each side
Travel speed (high/low)	5.2/3.1 km/h
Drawbar pulling force	280KN
Gradeability	70% (35deg)

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	105dB(A)	(ISO6395)
Operator	70dB(A)	(ISO6396)

Boom, Arm & Bucket

Boom cylinders	140mm×1,305mm
Arm cylinder	150mm×1,675mm
Bucket cylinder	130mm×1,208mm

Refilling Capacities & Lubrications

Fuel tank	503L
Cooling system	35L
Engine oil	28.5L
Travel reduction gear	2×7.5L
Swing reduction gear	7.4L
Hydraulic oil tank	245L tank oil level
	410L hydraulic system
DEF/Urea tank	83L

Attachments

Backhoe bucket and combination

Use			Backhoe bucket			
Bucket capacity	ISO heaped	m^3	0.60	0.80	1.20	1.40
Opening width		mm	800	1,000	1,420	1,400
Bucket weight		kg	620	720	950	930
Combination	2.40 m short arm		○	○	○	○
	3.10 m standard arm		○	○	○	△
	4.00 m long arm		○	△	△	△

○ Recommended △ Loading only × Not recommended

Working Ranges

Unit: m

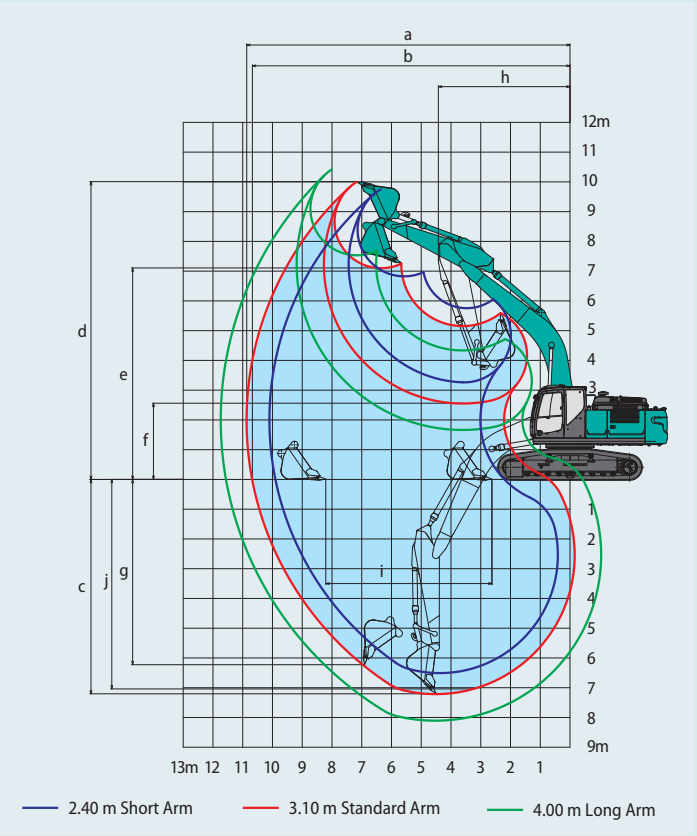
Boom		6.20 m		
Range \ Arm		Short 2.40 m	Standard 3.10 m	Long 4.00 m
a- Max. digging reach		10,230	10,870	11,720
b- Max. digging reach at ground level		10,030	10,680	11,540
c- Max. digging depth		6,500	7,200	8,100
d- Max. digging height		9,740	10,010	10,430
e- Max. dumping clearance		6,830	7,110	7,530
f- Min. dumping clearance		3,260	2,560	1,660
g- Max. vertical wall digging depth		5,650	6,230	7,080
h- Min. swing radius		4,400	4,430	4,550
i- Horizontal digging stroke at ground level		4,000	5,580	7,100
j- Digging depth for 2.4 m (8') flat bottom		6,310	7,040	7,970
Bucket capacity ISO heaped m³		1.4	1.2	0.8

Digging Force (ISO 6015)

Unit: kN

Arm length	Short 2.40 m	Standard 3.10 m	Long 4.00 m
Bucket digging force	188/208*	188/208*	188/208*
Arm crowding force	158/174*	126/139*	105/115*

*Power Boost engaged



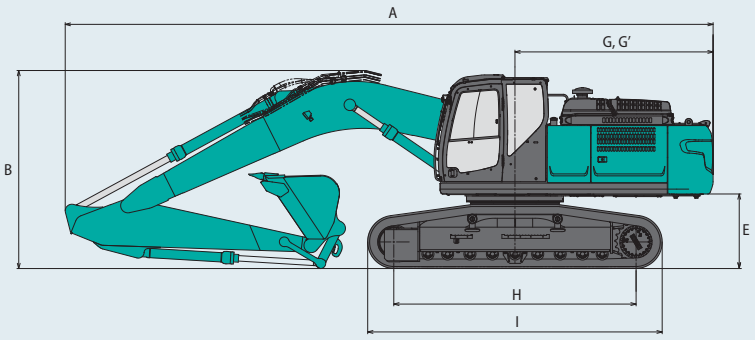
Dimensions

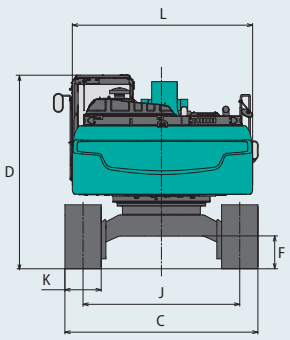
Arm length			Short 2.40 m	Standard 3.10 m	Long 4.00 m
A	Overall length		10,830	10,710	10,770
B	Overall height (to top of boom)		3,500	3,270	3,480
C	Overall width of crawler	SK300LC	3,190		
		SK300NLC	2,990		
D	Overall height (to top of cab)		3,200		
E	Ground clearance of rear end*		1,200		
F	Ground clearance*		510		
G	Tail swing radius		3,300		

Unit: mm

G'	Distance from center of swing to rear end		3,270
H	Tumbler distance	SK300LC	4,000
		SK300NLC	4,000
I	Overall length of crawler	SK300LC	4,870
		SK300NLC	4,870
J	Track gauge	SK300LC	2,590
		SK300NLC	2,390
K	Shoe width		600
L	Overall width of upperstructure		2,980

*Without including height of shoe





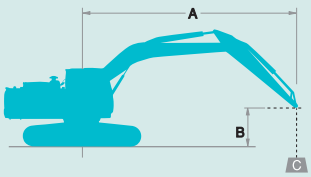
Operating Weight & Ground Pressure

In standard trim, with standard boom, 3.10 m arm, and 1.2 m³ ISO heaped bucket.

Shaped			Double grouser shoes	Triple grouser shoes (even height)			
Shoe width		mm	600	600	700	800*	900*
Overall width of crawler	SK300LC	mm	3,190	3,190	3,290	3,390	3,490
	SK300NLC	mm	2,990	2,990	3,090	-	-
Ground pressure	SK300LC	kPa	57	57	50	44	40
	SK300NLC	kPa	57	57	49	-	-
Operating weight	SK300LC	kg	30,200	30,000	30,600	31,000	31,400
	SK300NLC	kg	29,900	29,800	30,400	-	-

*Only for LC version

Lifting 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: Lifting capacities in Kilograms
Bucket: Without bucket
Relief valve setting: 37.8 MPa

SK300LC Boom: 6.02 m Arm: 3.10 m Bucket: without Shoe: 600 mm (Heavy Lift)

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius
7.5 m	kg													*4,280	*4,280	7.45 m
6.0 m	kg									*6,370	5,800			*4,070	*4,070	8.37 m
4.5 m	kg							*7,560	*7,560	*6,870	5,630			*4,030	*4,030	8.95 m
3.0 m	kg					*12,250	11,330	*9,060	7,470	*7,640	5,390	*6,290	4,070	*4,120	3,890	9.24 m
1.5 m	kg					*14,890	10,510	*10,500	7,040	8,310	5,160	6,330	3,960	*4,370	3,780	9.28 m
G.L.	kg					*16,150	10,150	11,350	6,770	8,120	4,990	*5,690	3,890	*4,800	3,850	9.06 m
-1.5 m	kg			*11,650	*11,650	*16,330	10,080	11,220	6,650	8,040	4,920			*5,550	4,140	8.57 m
-3.0 m	kg	*13,610	*13,610	*18,300	*18,300	*15,630	10,190	11,260	6,690	8,110	4,980			*6,970	4,780	7.76 m
-4.5 m	kg			*19,360	*19,360	*13,750	10,480	*10,120	6,920					*8,950	6,250	6.50 m

SK300LC Boom: 6.02 m Arm: 4.00 m Bucket: without Shoe: 600 mm (Heavy Lift)

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													*3,360	*3,360	7.26 m
7.5 m	kg													*3,040	*3,040	8.49 m
6.0 m	kg									*5,240	*5,240	*4,300	4,230	*2,900	*2,900	9.31 m
4.5 m	kg									*5,830	5,650	*5,710	4,150	*2,870	*2,870	9.83 m
3.0 m	kg			*16,410	*16,410	*9,960	*9,960	*7,730	7,550	*6,680	5,360	*6,150	4,000	*2,920	*2,920	10.10 m
1.5 m	kg					*13,000	10,610	*9,330	7,010	*7,600	5,070	6,230	3,840	*3,070	*3,070	10.13 m
G.L.	kg			*7,360	*7,360	*14,990	9,960	*10,620	6,610	7,980	4,830	6,080	3,710	*3,330	3,210	9.93 m
-1.5 m	kg	*7,090	*7,090	*10,630	*10,630	*15,850	9,700	10,960	6,390	7,820	4,690	6,010	3,650	*3,770	3,400	9.49 m
-3.0 m	kg	*10,790	*10,790	*15,010	*15,010	*15,790	9,690	10,900	6,340	7,790	4,660			*4,520	3,810	8.77 m
-4.5 m	kg	*15,200	*15,200	*21,200	19,990	*14,740	9,890	*10,910	6,460	7,940	4,800			*6,040	4,670	7.68 m
-6.0 m	kg			*17,360	*17,360	*12,070	10,350	*8,400	6,860					*8,340	6,830	6.02 m

SK300LC Boom: 6.02 m Arm: 2.40 m Bucket: without Shoe: 600 mm (Heavy Lift)

A / B		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg					*7,060	*7,060			*7,330	6,990	6.63 m
6.0 m	kg					*7,370	*7,370	*7,270	5,670	*7,240	5,460	7.66 m
4.5 m	kg			*10,620	*10,620	*8,450	7,780	*7,570	5,550	*7,150	4,710	8.28 m
3.0 m	kg					*9,860	7,330	*8,230	5,340	6,880	4,340	8.60 m
1.5 m	kg					*11,120	6,960	8,290	5,140	6,740	4,220	8.64 m
G.L.	kg			*16,450	10,150	11,330	6,760	8,150	5,020	6,940	4,330	8.41 m
-1.5 m	kg	*11,310	*11,310	*16,100	10,190	11,290	6,720	8,140	5,010	7,610	4,720	7.88 m
-3.0 m	kg	*20,440	*20,440	*14,920	10,380	*11,240	6,840			9,170	5,640	6.98 m
-4.5 m	kg			*12,190	10,790					*9,480	8,050	5.53 m

SK300NLC Boom: 6.02 m Arm: 3.10 m Bucket: without Shoe: 600 mm (Heavy Lift)

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius
7.5 m	kg													*4,280	*4,280	7.45 m
6.0 m	kg									*6,370	5,350			*4,070	*4,070	8.37 m
4.5 m	kg							*7,560	7,310	*6,870	5,180			*4,030	3,850	8.95 m
3.0 m	kg					*12,250	10,290	*9,060	6,840	*7,640	4,950	*6,290	3,730	*4,120	3,570	9.24 m
1.5 m	kg					*14,890	9,490	*10,500	6,420	8,340	4,720	6,360	3,630	*4,370	3,460	9.28 m
G.L.	kg					*16,150	9,140	11,390	6,150	8,160	4,550	*5,690	3,550	*4,800	3,520	9.06 m
-1.5 m	kg			*11,650	*11,650	*16,330	9,070	11,260	6,040	8,080	4,480			*5,550	3,780	8.57 m
-3.0 m	kg	*13,610	*13,610	*18,300	18,030	*15,630	9,180	11,310	6,080	8,140	4,540			*6,970	4,360	7.76 m
-4.5 m	kg			*19,630	18,550	*13,750	9,470	*10,120	6,310					*8,950	5,700	6.50 m

SK300NLC Boom: 6.02 m Arm: 4.00 m Bucket: without Shoe: 600 mm (Heavy Lift)

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													*3,360	*3,360	7.26 m
7.5 m	kg													*3,040	*3,040	8.49 m
6.0 m	kg									*5,240	*5,240	*4,300	3,890	*2,900	*2,900	9.31 m
4.5 m	kg									*5,830	5,200	*5,710	3,800	*2,870	*2,870	9.83 m
3.0 m	kg			*16,410	*16,410	*9,960	*9,960	*7,730	6,910	*6,680	4,920	*6,150	3,660	*2,920	*2,920	10.10 m
1.5 m	kg					*13,000	9,580	*9,330	6,390	*7,600	4,630	6,250	3,500	*3,070	2,890	10.13 m
G.L.	kg			*7,360	*7,360	*14,990	8,950	*10,620	6,000	8,010	4,390	6,110	3,370	*3,330	2,910	9.93 m
-1.5 m	kg	*7,090	*7,090	*10,630	*10,630	*15,850	8,700	11,000	5,780	7,850	4,250	6,040	3,310	*3,770	3,080	9.49 m
-3.0 m	kg	*10,790	*10,790	*15,010	*15,010	*15,790	8,690	10,950	5,730	7,820	4,220			*4,520	3,460	8.77 m
-4.5 m	kg	*15,200	*15,200	*21,200	17,510	*14,740	8,890	*10,910	5,850	7,980	4,360			*6,040	4,250	7.68 m
-6.0 m	kg			*17,360	*17,360	*12,070	9,330	*8,400	6,240					*8,340	6,210	6.02 m

SK300NLC		Boom: 6.02 m Arm: 2.40 m Bucket: without Shoe: 600 mm (Heavy Lift)										
A / B		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
												
7.5 m	kg					*7,060	*7,060			*7,330	6,440	6.63 m
6.0 m	kg					*7,370	*7,370	*7,270	5,220	*7,240	5,020	7.66 m
4.5 m	kg			*10,620	*10,620	*8,450	7,150	*7,570	5,100	*7,150	4,330	8.28 m
3.0 m	kg					*9,860	6,710	*8,230	4,900	6,910	3,980	8.60 m
1.5 m	kg					*11,120	6,350	8,320	4,710	6,760	3,860	8.64 m
G.L.	kg			*16,450	9,150	11,380	6,150	8,180	4,590	6,970	3,960	8.41 m
-1.5 m	kg	*11,310	*11,310	*16,100	9,190	11,330	6,110	8,170	4,580	7,650	4,320	7.88 m
-3.0 m	kg	*20,440	18,470	*14,920	9,370	*11,240	6,230			9,200	5,150	6.98 m
-4.5 m	kg			*12,190	9,770					*9,480	7,340	5.53 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 lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.
6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE
- Engine, HINO J08EVV-KSDP, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V - 112Ah)
- 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
- Refueling pump

CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost
- Heavy lift
- Object Handling Kit (boom and arm safety valve + hook)
- Extra N&B piping (proportional hand controlled)

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
- Hydraulic fluid filter clog detector
- Hydraulic pressure adjustment function for N&B piping
- Quick hitch piping

MIRRORS, LIGHTS & CAMERA
- Rearview mirror
- Three front working lights
- Rear & right side camera

CAB & CONTROL
- Two control levers, pilot-operated
- 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
- Air suspension seat with heater (Optional for N&B piping specification)
- Radio, AM/FM stereo with speaker
- USB pin
- TOP guard
- Remote machine monitoring system "KOMEXS"
- Tow eyes

OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Additional track guide
- Two cab lights
- Extended guard rail
- Rain visor (may interfere with bucket action)
- Cab guard
- Travel alarm
- Lower Under Cover
- Bigger capacity P4 pump and steel PTO housing

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.

KOBELCO CONSTRUCTION MACHINERY EUROPE B.V.

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