

KOBELCO

Performance  Design

SK300_{LC}

■ Bucket capacity:

1.00 – 1.40 m³

■ Engine power:

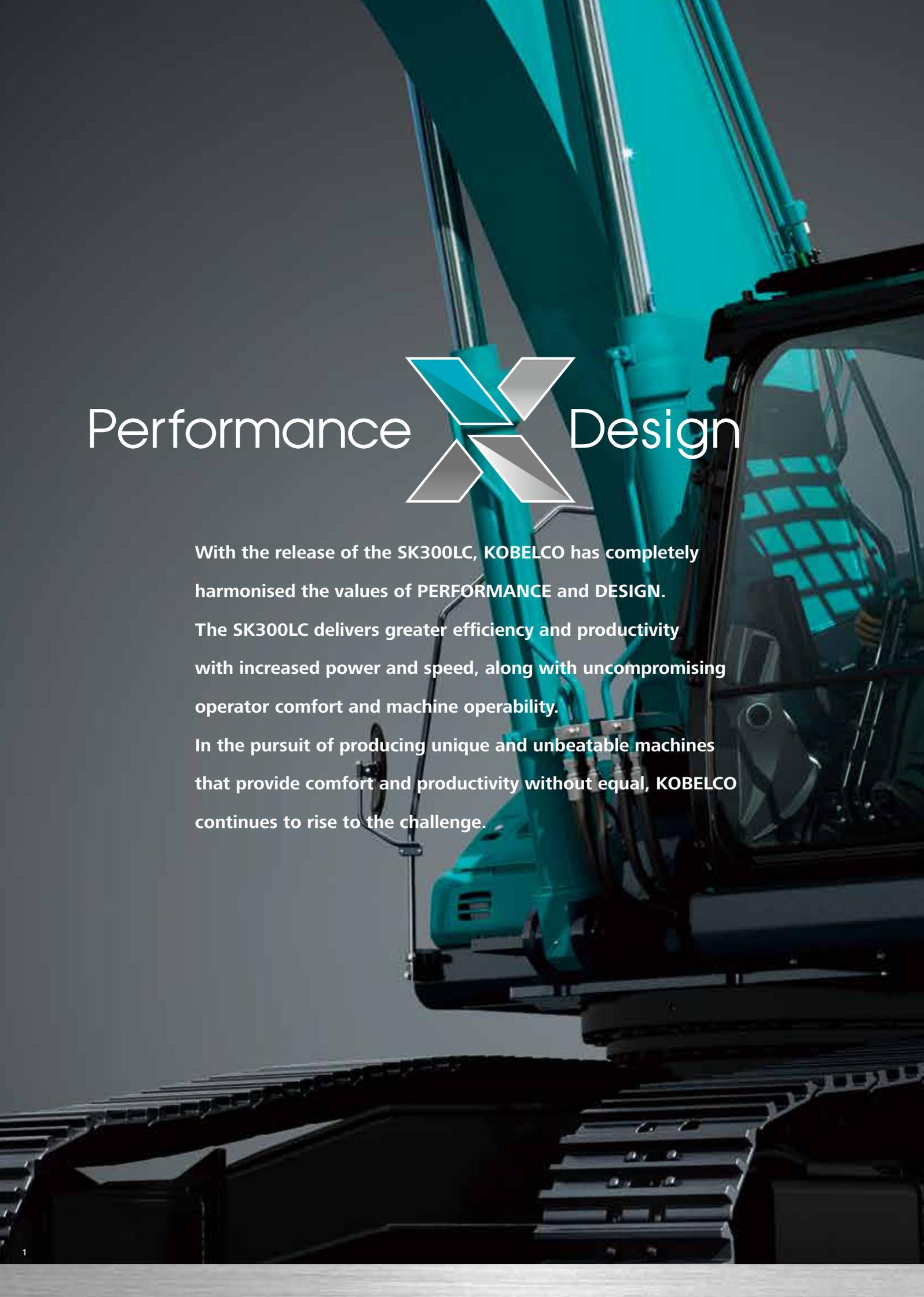
210 kW / 1,900 min⁻¹

■ Operating weight:

31,400 – 32,500 kg



We Save You Fuel
Achieving a Low-Carbon Society



Performance X Design

With the release of the SK300LC, KOBELCO has completely harmonised the values of PERFORMANCE and DESIGN.

The SK300LC delivers greater efficiency and productivity with increased power and speed, along with uncompromising operator comfort and machine operability.

In the pursuit of producing unique and unbeatable machines that provide comfort and productivity without equal, KOBELCO continues to rise to the challenge.



THE ULTIMATE SLEEK AND STYLISH CAB DESIGN

True ergonomic functionality combined with modern design has resulted in a cabin interior that is sleek and comfortable, built for simplicity and operator comfort.

Jog dial

The jog dial integrates multiple functions to allow for simple navigation of machine information screens, even while wearing gloves.

LED backlights

LED backlighting on switches and dials provides a bright, clear view of controls, even in the dark, while delivering a premium look and feel.







UNFORGETTABLE COMFORT

Air suspension seat

A GRAMMER* seat is installed as standard equipment, which achieves excellent shock absorption and superior ride comfort.

*GRAMMER is trademark of GRAMMER AG, registered in Germany and other countries.

Optimal air conditioning vent placement

Air conditioning vents are optimally placed around the cabin with air flow directed toward the operator's neck and back, providing more comfortable operation.

Ergonomic and low-effort pilot control levers

Pilot control levers are mounted on adjustable consoles, with an ergonomic design that allows movement without twisting, reducing operator fatigue.



New Hydraulic Control

Our newly upgraded hydraulic control system responds to shorter lever strokes than current models, delivering swifter, more precise movement and improved lever operability.

LED door light

The LED interior light automatically turns on when the door is opened or when the ignition is set to OFF. This ensures easy entry and exit at nighttime.



KOBELCO



04:33



SETTING MENU



PICTURE OF CAMERA



CLOCK SETTING



SCREEN BRIGHTNESS



MAINTENANCE



CONSUMPTION



LANGUAGE SELECTION



PRESSURE RELEASE



A WIDER VIEW BRINGS A WIDER RANGE OF USE

10-inch colour monitor—the largest in the industry

The easy-to-operate menu screen facilitates easy reading and navigation. Images from the built-in cameras can be checked on the large screen, which helps to improve safety. In addition, each icon is easily recognisable.



The right camera and rear camera (right side view mode)



The right camera and rear camera (straight view mode)



SAFETY ON FULL DISPLAY

Our high-resolution, large display shows right, left and rear side cameras together. Multiple camera modes allow operators to customise their display based on their needs to enhance awareness and jobsite safety.



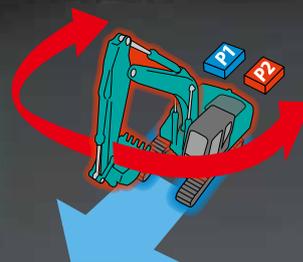
Screen display linked with the jog dial operation

The jog dial provides simple and intuitive control of all display screens. Turn the jog dial to the right or left to select an item and press the dial to confirm the selection.



Independent Travel

Selecting Independent Travel dedicates one hydraulic pump to travel and one to the attachment on a continuous basis, allowing for a smooth and constant movement speed even while swinging or using the boom or attachment. With Independent Travel, safely carrying a large pipe across a job site is a breeze.



EXCEPTIONAL PERFORMANCE JUST GOT EVEN BETTER

Higher Efficiency, Plus a Tier IV Final Compliant Engine

The new SK300LC is equipped with a Isuzu Tier IV Final compliant engine, which has a higher torque value.

This engine is fitted with a diesel oxidation catalyst (DOC) and an SCR device to control emissions without using a diesel particulate filter (DPF).

Model: ISUZU 6HK1

Engine output

210 kW/1,900 min⁻¹



»» Max. bucket digging force (Arm 3.10 m)

Normal: **188** kN

With power boost: **208** kN

Lift capacity

15,960 kg

(Reach: 4.50 m Boom: 6.20 m Arm: 3.10 m Bucket: Without
Counterweight: 5,540 kg Shoe: 600 mm <Heavy Lift> At Ground Level)



GREATER MULTI-FUNCTION CAPABILITIES

Attachment mode

The flow rate and working pressure modes of the bucket, breaker, nibbler, and rotating grapple are set before delivery, which allows you to start operating immediately. Mode settings for other attachments, such as the tilt rotator, can easily be added or changed.



EASY MAINTENANCE



Standard Overhead Top Guard Level II

The standard overhead cab guard can be tilted open with gas damper for easy window cleaning. Meets standard top guard level II requirements. (ISO 10262)



Engine Maintenance

Lower service platform makes engine service easier.



Two-stage air filter



DEF/AdBlue® Tank

The DEF/AdBlue® fill is located inside the locking tool box.



Left side (radiator and cooling system elements)

Laid out for easy access to radiator and cooling system.



Right Side (Ground Level Maintenance)

Hydraulic pump and engine filter compartment.



① Fuel Filter ② Pre-Filter with Integrated Water Separator



③ Engine oil filter

Note: AdBlue® is a registered trademark of the Verband der Automobilindustrie e.V. (VDA).

DURABILITY YOU CAN TRUST

Enhanced machine durability for 30-ton class machines

The SK300LC machines are widely used in mid-scale construction projects and harsh worksites. The new performance meets design philosophy has focused on durability to ensure optimal performance in the harshest of environments.



Panels and supports

The right and left side panels and rear supports have been thicker to enhance body rigidity.



Bucket cylinder rod pin

The increased diameter of the bucket cylinder rod pin contributes to enhanced durability for various types of attachments.

CONVENIENT AND SENSIBLE EQUIPMENT



Engine start password

A password is required when starting the engine for greater security.



Wiper adjustment function

In addition to the intermittent wiper mode and continuous wiper mode, the one-time wiper mode was added.



Console mount

The console-integrated seat allows for comfortable operation.



AM/FM Bluetooth® (hands-free) radio

Audio streaming and hands free phone calling capability.



USB port/12V power outlet



Smartphone holder

You can use the holder with your smartphone connected to the USB port.

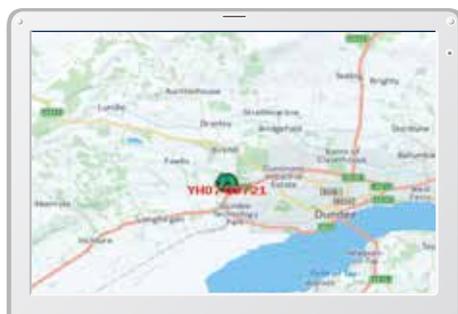
Excavator Remote Monitoring System



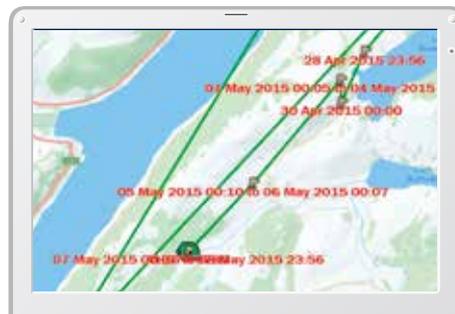
Direct Access to Operational Status

Location Data

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



Latest location



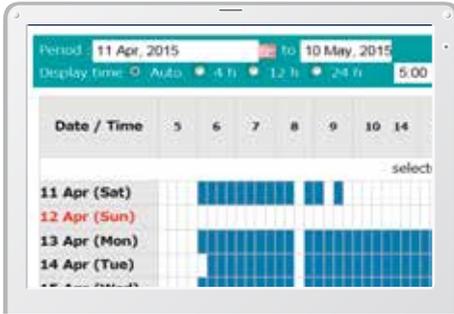
Location records

Type of Operation	Working Hrs	Ratio
Total Working Hrs	169 Hrs	100 %
Digging Hrs	72.2 Hrs	43 %
Traveling Hrs	18.3 Hrs	11 %
Idle Hrs	15.9 Hrs	9 %
Opt Att Hrs	62.5 Hrs	37 %
Crane Mode Hrs	0 Hrs	0 %

Work data

Operating Hours

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



Daily report

Fuel Consumption Data

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

Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
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, travelling 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
SK135RSLC-3/SK140SRL	YH07-09721	734 Hr	434
SK135RSLC-3/SK140SRL	YH07-09789	73 Hr	429
SK210LC-9	YQ13-10454	960 Hr	58
SK210LC-9	YQ13-10481	549 Hr	498
SK75SR-	YT08-30374		

Maintenance

Warning Alerts

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

Alarm Information Can Be Received via E-mail

- Alarm information or maintenance notice can be received via e-mail, using a computer or a mobile device.



Alarm messages can be received on a mobile device.

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 up with an alarm if the machine is operated outside designated time.

Engine start alarm outside prescribed work time

Area Alarm

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

Alarm for outside of reset area

Specifications

Engine

Model	ISUZU 6HK1
Type	Four-cycle, water-cooled, direct injection diesel engine, turbo charged, Tier IV Final exhaust emission regulation
No. of cylinders	6
Bore and stroke	115 mm × 125 mm
Displacement	7.790 L
Rated power output	198 kW /1,900 min ⁻¹ (ISO 9249: with fan)
	210 kW /1,900 min ⁻¹ (ISO 14396: without fan)
Max. torque	1,011 N·m /1,500 min ⁻¹ (ISO 9249: with fan)
	1,080 N·m /1,500 min ⁻¹ (ISO 14396: without fan)

Hydraulic system

Pump	
Type	Two variable displacement axial piston pumps + extra gear pump + pilot gear pump
Max. discharge flow	2 × 245 L/min , 1 × 44.3 L/min , 1 × 19 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa
Power Boost	37.8 MPa
Travel circuit	34.3 MPa
Swing circuit	29.0 MPa
Control circuit	5.0 MPa
Pilot control pump	Gear type
Main control valve	8 - Spool valve
Oil cooler	Air cooled type

Swing system

Swing motor	One fixed displacement piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake	Wet multiple plate
Swing speed	10.2 min ⁻¹
Swing torque	101 kN·m

Attachments

Backhoe bucket and combination

Use	Backhoe bucket				
	Normal digging				
Bucket capacity	ISO heaped	m ³	1.00	1.20	1.40
Opening width	With side cutter	mm	1,350	1,490	1,680
	Without side cutter	mm	1,250	1,400	1,580
No. of teeth			4	5	5
Bucket weight		kg	970	1,050	1,130
Combination	3.10 m standard arm		○	◎	△
	4.00 m long arm		○	△	-

◎ Standard ○ Recommended △ Loading only – Not applicable

Travel system

Travel motors	2 × axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	50 each side
Travel speed	5.2/3.1 km/h
Rated drawbar pull	279 kN (SAE J 1309)
Gradeability	70 % {35°}

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

Cylinders

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

Refilling capacities & lubrications

Fuel tank	503L
Cooling system	41.4 L
Engine oil	48.6 L
Travel reduction gear	2 × 7.5 L
Swing reduction gear	1 × 7.4 L
Hydraulic oil tank	245 L tank oil level
	410 L hydraulic system
DEF/Urea tank	83 L

Working ranges

Unit: mm

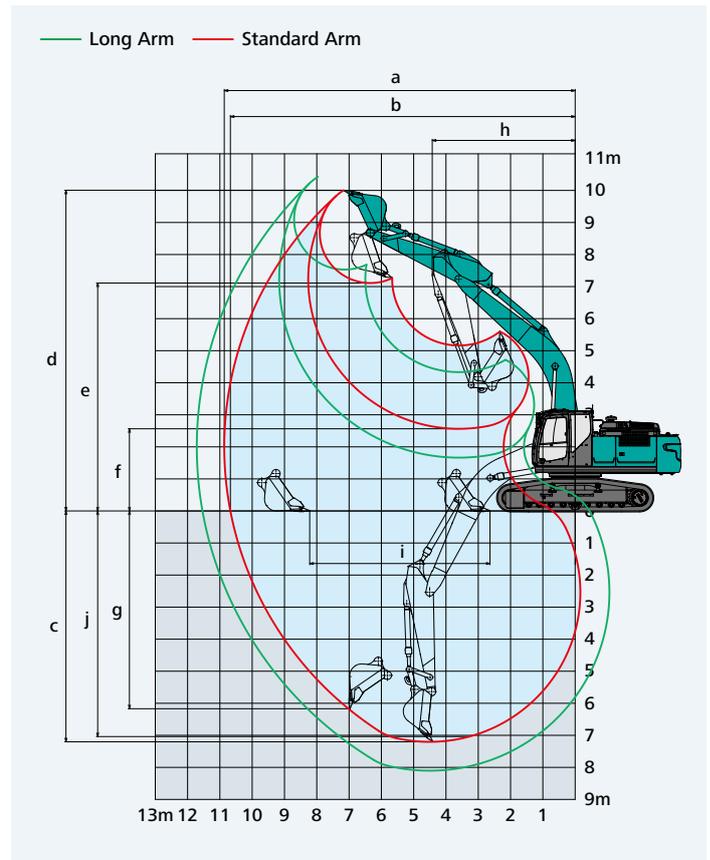
Boom	Arm	6.20 m	
		Standard 3.10 m	Long 4.00 m
a- Max. digging reach		10,860	11,710
b- Max. digging reach at ground level		10,670	11,540
c- Max. digging depth		7,200	8,100
d- Max. digging height		10,010	10,430
e- Max. dumping clearance		7,110	7,530
f- Min. dumping clearance		2,560	1,660
g- Max. vertical wall digging depth		6,170	7,020
h- Min. swing radius		4,430	4,550
i- Horizontal digging stroke at ground level		5,580	7,090
j- Digging depth for 2.4m(8') flat bottom		7,040	7,970
Bucket capacity ISO heaped m ³		1.20	1.00

Digging Force (ISO 6015)

Unit: kN

Arm length	Standard 3.10 m	Long 4.00 m
Bucket digging force	188 208*	188 208*
Arm crowding force	126 139*	105 115*

*Power Boost engaged



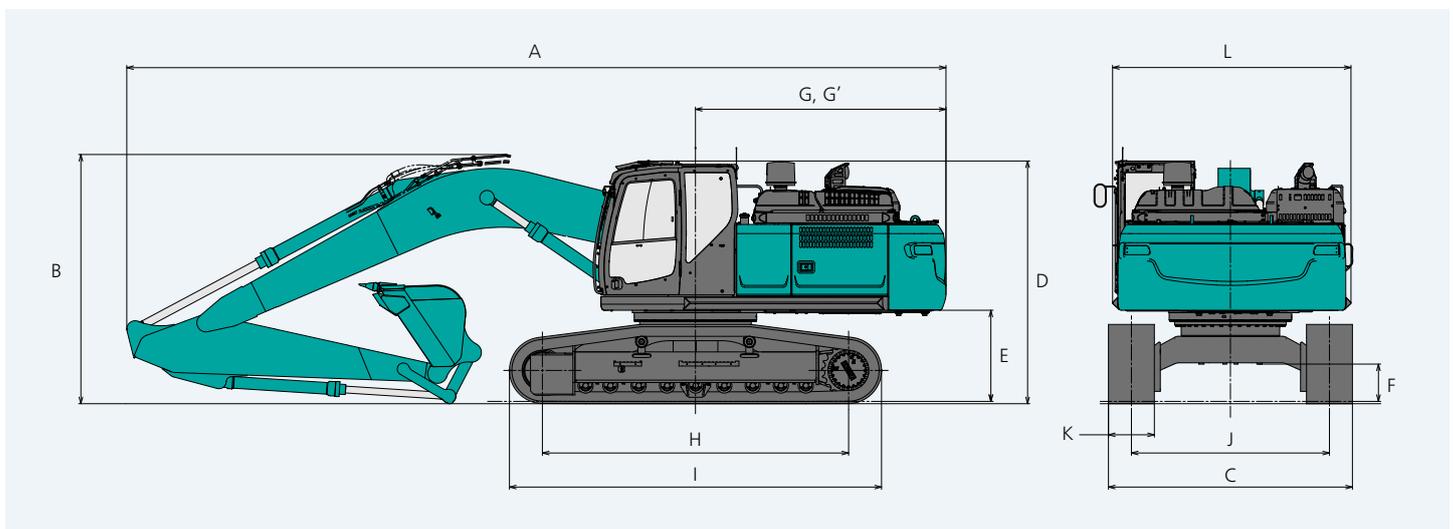
Dimensions

Arm length	Standard 3.10 m	Long 4.00 m
A Overall length	10,710	10,770
B Overall height (to top of boom)	3,280	3,470
C Overall width of crawler	3,190	
D Overall height (to top of cab)	3,200	
E Ground clearance of rear end*	1,200	
F Ground clearance*	490	

Unit: mm

G Tail swing radius	3,300
G' Distance from centre of swing to rear end	3,270
H Tumbler distance	4,000
I Overall length of crawler	4,870
J Track gauge	2,590
K Shoe width	600
L Overall width of upperstructure	3,120

*Without including height of shoe lug

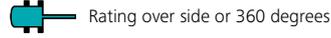
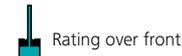
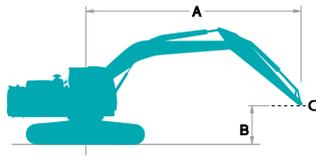


Operating weight & ground pressure

In standard trim, with standard boom, 3.10 m arm, and 1.20 m³ ISO heaped bucket, counterweight 5,540 kg

Shaped		Triple grouser shoes (even height)			Double grouser shoes
Shoe width	mm	600	700	800	600
Overall width of crawler	mm	3,190	3,290	3,390	3,190
Ground pressure	kPa	60	52	46	60
Operating weight	kg	31,400	32,100	32,500	31,600

Lift capacities



A - Reach from swing centerline to arm top
 B - Arm top height above/below ground
 C - Lift point
 Relief valve setting: 37.8 MPa

SK300LC		Boom: 6.20 m Arm: 3.10 m Bucket: without Counterweight: 5,540 kg Shoe: 600 mm (Heavy Lift)																
B \ A		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														*4,240	*4,240	7.45 m	
6.0 m	kg									*6,280	6,190					*4,020	*4,020	8.37 m
4.5 m	kg							*7,450	*7,450	*6,770	6,010					*3,980	*3,980	8.95 m
3.0 m	kg					*12,100	*12,100	*8,930	7,990	*7,530	5,770	*6,240	4,360	*4,080	*4,080	9.24 m		
1.5 m	kg					*14,720	11,270	*10,360	7,550	*8,330	5,530	6,720	4,250	*4,320	4,060	9.28 m		
G.L.	kg					*15,960	10,910	*11,360	7,260	8,630	5,360	*5,640	4,180	*4,750	4,130	9.06 m		
-1.5 m	kg			*11,610	*11,610	*16,140	10,830	*11,780	7,150	8,550	5,280			*5,490	4,440	8.57 m		
-3.0 m	kg	*13,570	*13,570	*18,260	*18,260	*15,450	10,950	*11,490	7,190	8,620	5,350			*6,910	5,130	7.76 m		
-4.5 m	kg			*19,150	*19,150	*13,590	11,260	*9,990	7,430					*8,830	6,710	6.50 m		

SK300LC		Boom: 6.20 m Arm: 4.00 m Bucket: without Counterweight: 5,540 kg Shoe: 600 mm (Heavy Lift)																
B \ A		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															*3,300	*3,300	7.26 m
7.5 m	kg															*2,980	*2,980	8.49 m
6.0 m	kg									*5,150	*5,150	*4,240	*4,240	*2,830	*2,830	9.31 m		
4.5 m	kg									*5,740	*5,740	*5,610	4,450	*2,800	*2,800	9.83 m		
3.0 m	kg			*16,260	*16,260	*9,840	*9,840	*7,620	*7,620	*6,580	5,750	*6,050	4,300	*2,860	*2,860	10.10 m		
1.5 m	kg					*12,860	11,410	*9,210	7,530	*7,490	5,450	*6,560	4,130	*3,000	*3,000	10.13 m		
G.L.	kg			*7,300	*7,300	*14,840	10,750	*10,500	7,120	*8,290	5,200	6,470	4,000	*3,260	*3,260	9.93 m		
-1.5 m	kg	*7,030	*7,030	*10,570	*10,570	*15,700	10,480	*11,270	6,900	8,330	5,060	6,400	3,930	*3,690	3,660	9.49 m		
-3.0 m	kg	*10,730	*10,730	*14,960	*14,960	*15,630	10,480	*11,430	6,850	8,290	5,030			*4,450	4,110	8.77 m		
-4.5 m	kg	*15,140	*15,140	*21,150	*21,150	*14,590	10,680	*10,780	6,970	*8,100	5,180			*5,960	5,030	7.68 m		
-6.0 m	kg			*17,180	*17,180	*11,930	11,150	*8,280	7,380					*8,220	7,350	6.02 m		

Notes:

- Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
- Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
- Arm top defined as lift point.
- The above 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.
- 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 and Optional Equipment

Category	Description	SK300LC-11
ENGINE	ISUZU 6HK1 (Tier IV Final certified)	●
	Exhaust DOC DPF SCR system	●
	Alternator 24 V /90 A	●
	Starter motor 24 V/5 kW	●
	Batteries 2 x 12 V (140 Ah)	●
	Fan suction type cooling system	●
	Auto deceleration function	●
	Auto Idle Stop (AIS)	●
HYDRAULIC SYSTEM	3 work modes H, S, Eco	●
	Power boost (37.8 MPa)	●
	Heavy lift mode	●
	Pressure release function	●
	Independent travel function	●
	Auto warm up system	●
	Proportional Hand Control (for E&N&B piping)	●
	Proportional Hand Control (for Extra piping)	○
PIPING	Hydraulic oil VG46	●
	E & N&B piping	●
CABIN	QH piping	●
	Air suspension seat with heating	●
	10 inch colour monitor	●
	LED door light	●
	Air-conditioner	●
	Radio (FM/AM & AUX & USB & Bluetooth® & hands free telephone)	●
	Harness for CAB four lights and CAB yellow flasher	●
	Intermittent windshield wiper	●
	12V power outlet	●
	Rain visor	○
LIGHTS	Front roll screen	●
	LED work lights ; 2 on Boom, 1 on upper frame, 2 on rear counterweight	●
WORKING EQUIPMENT	LED work lights ; 2 on Cab top front	○
	Standard Boom (6.20 m)	●
	Standard HD arm (3.10 m) with rock guard	●
COUNTERWEIGHT	Long HD arm (4.00 m) with rock guard	○
	Semi heavier C/W (TTL 5,540 kg)	●
UNDERCARRIAGE	600 mm steel shoe	●
	600 mm double grouser shoe	○
	700 mm steel shoe	○
	800 mm steel shoe	○
	Track guide (one per side)	●
	Additional track guides (two additional per side)	●
	Lower frame guard	●
SAFETY	Engine emergency stop switch	●
	Pump emergency mode (KPSS release switch)	●
	Emergency accel dial	●
	Emergency manual valve for lowering attachment	●
	Safety valve for boom & arm cylinder	●
	ROPS compliant cab (ISO 12117-2:2008)	●
	OPG Level II top guard (ISO 10262:1998)	●
	OPG Level II front guard (ISO 10262:1998)	○
	Eagle-eye view camera (Rear, Right, Left)	●
	Seatbelt indicator on display	●
OTHERS	Travel alarm	●
	Refueling pump	○
	Harness for engine room light	●
	RAL color	○
	GEOSCAN	●

Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

Note: This catalogue 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.

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