

KOBELCO

SK530LC-11

Performance  Design

SK530_{LC}

■ Bucket capacity:

1.9 – 2.4 m³

■ Engine power:

345 kW/1,800 min⁻¹

■ Operating weight:

53,100 – 54,800 kg



We Save You Fuel
Achieving a Low-Carbon Society



Performance Design

With the release of the SK530LC, KOBELCO has completely harmonised the values of PERFORMANCE and DESIGN.

The SK530LC 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.

Tilting Left Side Console

Flip-up left console with integrated pilot control lock lever tilts for easy entry and exit from the cab.



KOBELCO

04:33



SETTING MENU



PICTURE OF
CAMERA



CLOCK
SETTING



SCREEN
BRIGHTNESS



MAINTENANCE



CONSUMPTION



LANGUAGE
SELECTION



PRESSURE
RELEASE



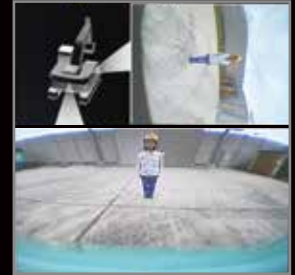
A WIDER VIEW BRINGS A WIDER RANGE OF USE

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)

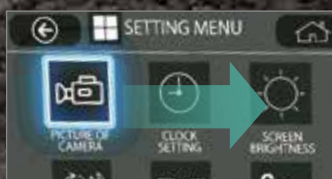


The right camera and rear camera (straight view mode)



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.

EXCEPTIONAL PERFORMANCE JUST GOT EVEN BETTER

Higher Efficiency, Plus a Tier IV Final Compliant Engine

Our Tier IV Final compliant engine is fitted with a diesel oxidation catalyst (DOC) and an SCR device to control emissions without using a diesel particulate filter (DPF). It has a large-capacity DEF tank, extending intervals between fill-ups.

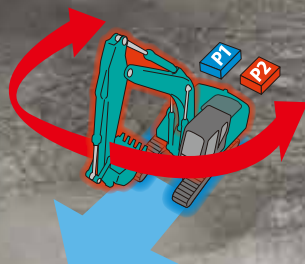
Model: ISUZU 6WG1

Engine Output

345 kW / 1,800 min⁻¹

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.



Lifting Capacity

23,390 kg

(Reach : 4.5 m, Height : Ground level)

(Boom : 7.00 m, Arm : 3.45 m, Bucket : Without, Heavy Lift: ON)

Max. Bucket Digging Force

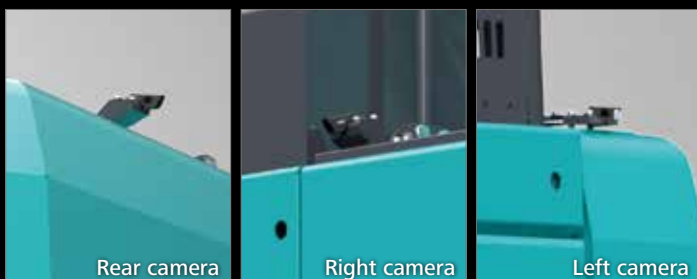
292 kN : Normal mode

321 kN : With power boost

(3.45 m arm)



SAFETY AND CONVENIENCE IN EVERY CORNER



Standard Rear, Left and Right Side Cameras

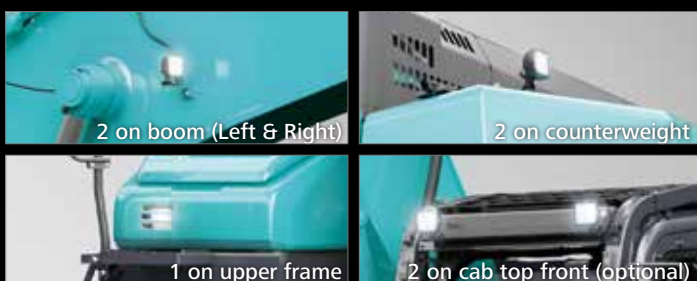


Swing Flashers for a Safer Jobsite

Standard swing flashers notify ground workers that the machine is swinging.



Travel Alarm



7 LED Lights

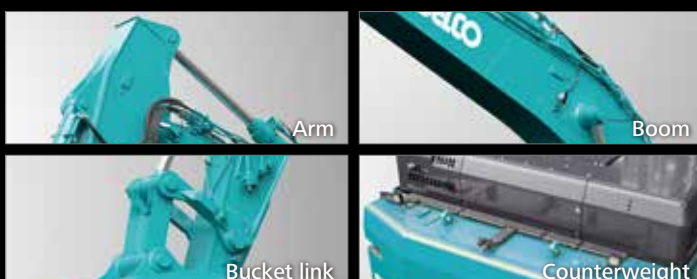
Bright LED lights ensure visibility even during night work.



Vertical Bar Front Cab Guard (optional)



Battery Disconnect Switch with DEF Purge Notification Buzzer



Machine Guidance Ready Brackets

Pre-welded brackets for quicker and easier installation of Machine Guidance Systems.



QH piping



Console Mount

The console-integrated seat allows for comfortable operation.



AM/FM Bluetooth® (Hands-Free) Radio



USB Port / 12 V Power Outlet



Smartphone Holder

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



Total Support for Machines with Network Speed and Accuracy

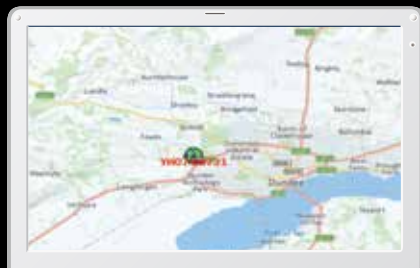
GEO SCAN is a cellular based telematics system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.



Direct Access to Operational Status

Location Data

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



Latest location

Fuel Consumption Data

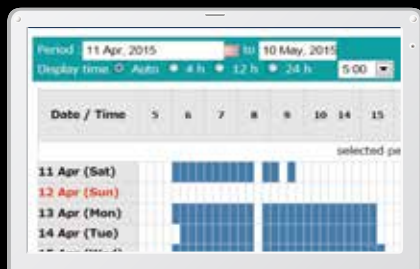
Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

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

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

Graph of Work Content

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



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
SK135SLC-3/SK140SL	Y107-09721	734 Hr	434 Hr
SK135SLC-3/SK140SL	Y107-09722	73 Hr	429 Hr
SK210LC-9	YQ13-10454	960 Hr	58 Hr
SK210LC-9	YQ13-10481	549 Hr	408 Hr
SKP55A-	YTOB-30124		

Warning Alerts

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

Security System

Engine Start Alarm

Sends a notification if the engine is started outside of pre-defined hours.

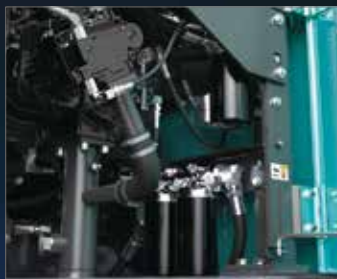
Area Alarm

Sends a notification if the machine leaves a pre-defined area.

EASY MAINTENANCE



The Fuel Filter and Electromagnetic Fuel Pump are Easy to Access



Fuel Filter / Pre-Filter with Integrated Water Separator



Engine Maintenance

Moving the fuel filter to the inside left panel and the engine forward makes them easier to service on the spot. With the new electromagnetic fuel pump, you no longer need to touch the priming pump.



Air Filter

The greatly increased filtering capacity reduces clogging and extends reserve power and reliability.



Right Side

With the flip of a switch from the driver's seat, the standard feature reversible fan pulls air in the opposite direction, blowing debris away to prevent clogging.



Reversible Fan



Hydraulic Drive for Engine Cooling Fan, Independent Oil Cooler Fan



Tilt Opening Top Guard Level II



DEF Tank

The DEF fill is located inside the locking toolbox.



GREATER MULTI-FUNCTION CAPABILITIES

Attachment Mode Selection

The auxiliary flow rates for the bucket, breaker, crusher and thumb are all now adjustable by the operator through the monitor, allowing you to change tools quickly and easily. Mode settings for other attachments like the tilt rotator can be added or changed.

Specifications



Engine

Model	ISUZU 6WG1
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler, Tier IV Final certified
No. of cylinders	6
Bore and stroke	147 mm x 154 mm
Displacement	15.681 L
Rated power output	345 kW/1,800 min ⁻¹ (ISO 14396: without fan)
Max. torque	1,980 N·m/1,500 min ⁻¹ (ISO 14396: without fan)



Hydraulic System

Pump	
Type	Two variable displacement axial piston pumps + rotation gear pump + pilot gear pump
Max. discharge flow	2 x 370 L/min, 1 x 58.5 L/min, 1 x 27 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa
Power Boost	37.8 MPa
Travel circuit	34.3 MPa
Swing circuit	26.0 MPa
Control circuit	5.0 MPa
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type



Swing System

Swing motor	Two fixed displacement piston motors
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake	Wet multiple plate
Swing speed	7.5 min ⁻¹
Swing torque	188.4 kN·m



Attachments

Backhoe bucket and combination

Use			Backhoe bucket		
			Heavy digging	Normal digging	Light digging
Bucket capacity	ISO heaped	m ³	1.9	2.1	2.4
Struck		m ³	1.4	1.5	1.7
Opening width	With side cutter	mm	1,670	1,750	1,980
	Without side cutter	mm	1,550	1,630	1,860
No. of teeth			5	5	5
Bucket weight		kg	1,510	1,560	1,690
Combination	3.00 m short arm		○	◎	△
	3.45 m standard arm		◎	△	×
	4.04 m semi-long arm		△	×	×

◎ Standard ○ Recommended △ Loading only × Not recommended



Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	50 each side
Travel speed	5.4/3.2 km/h
Rated drawbar pull	411 kN (SAE J 1309)
Gradeability	70% {35°}



Cab and 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	170 mm x 1,584 mm
Arm cylinder	190 mm x 1,990 mm
Bucket cylinder	160 mm x 1,410 mm



Refilling Capacities and lubrications

Fuel tank	720 L
Cooling system	69 L
Engine oil	57 L
Travel reduction gear	2 x 15.0 L
Swing reduction gear	2 x 5.0 L
Hydraulic oil tank	370 L tank oil level
	803 L hydraulic system
DEF/Urea tank	83 L



Working Ranges

Unit: mm

Boom	7.00 m		
Arm	Short 3.00 m	Standard 3.45 m	Semi-long 4.04 m
Range			
a- Max. digging reach	11,730	12,070	12,510
b- Max. digging reach at ground level	11,500	11,850	12,300
c- Max. digging depth	7,320	7,770	8,360
d- Max. digging height	11,050	10,980	10,870
e- Max. dumping clearance	7,630	7,620	7,580
f- Min. dumping clearance	3,240	2,790	2,200
g- Max. vertical wall digging depth	6,630	7,070	7,130
h- Min. swing radius	5,330	5,210	5,290
i- Horizontal digging stroke at ground level	5,110	6,050	6,930
j- Digging depth for 2.4 m (8') flat bottom	7,160	7,620	8,230
Bucket capacity ISO heaped m ³	2.1	1.9	1.9

Digging Force (ISO 6015)

Unit: kN

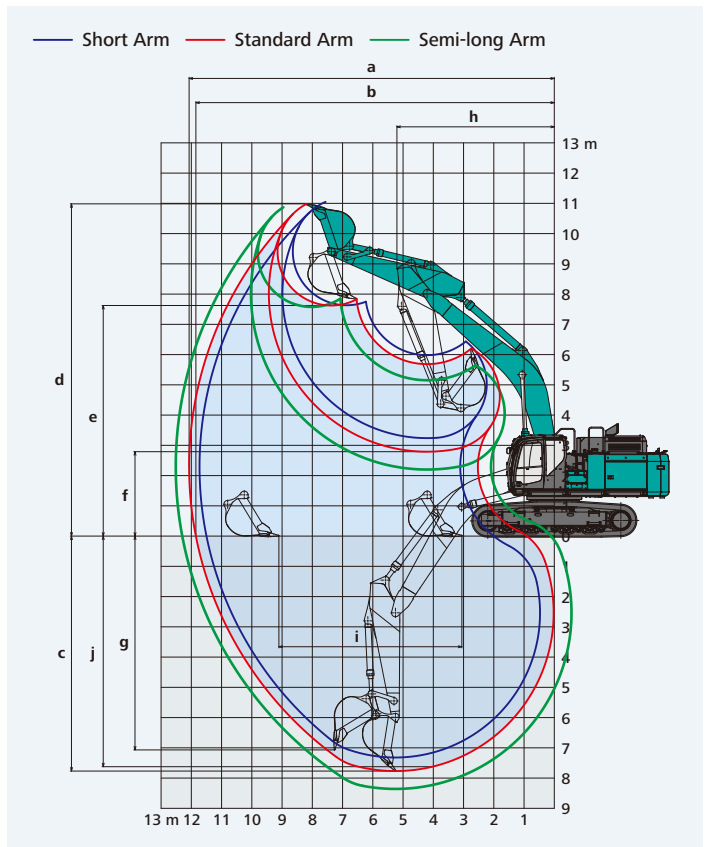
Arm length	Short 3.00 m	Standard 3.45 m	Semi-long 4.04 m
Bucket digging force	293 322*	292 321*	288 317*
Arm crowding force	245 270*	220 242*	200 219*

*Power Boost engaged



Dimensions

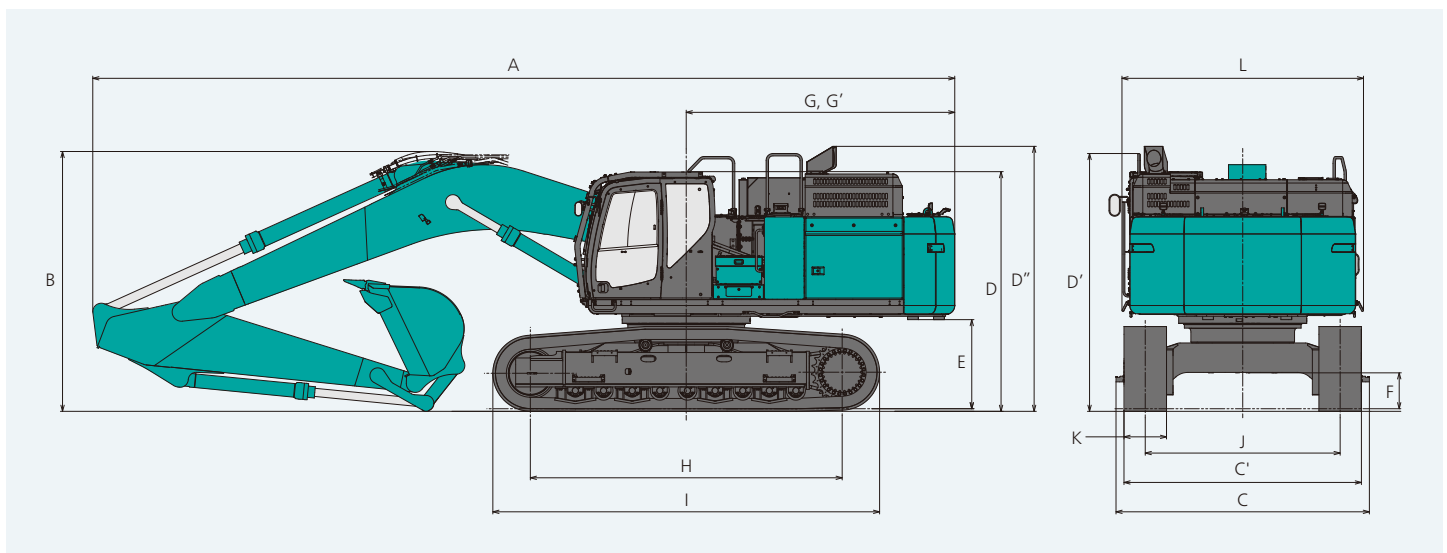
Arm length	Short 3.00 m	Standard 3.45 m	Semi-long 4.04 m
A Overall length	12,210	12,160	12,260
B Overall height (to top of boom)	3,860	3,670	3,800
C Overall width		3,580	
C' Overall width of crawler		3,350	
D Overall height (to top of cab)		3,380	
D' Overall height (to top of handrail)		3,640	
D'' Overall height (top of exhaust pipe)		3,740	
E Ground clearance of rear end*		1,260	



Unit: mm

F	Ground clearance*	510
G	Tail swing radius	3,880
G'	Distance from centre of swing to rear end	3,790
H	Tumbler distance	4,400
I	Overall length of crawler	5,460
J	Track gauge	2,750
K	Shoe Width	600
L	Overall width of upperstructure	3,410

* Without including height of shoe lug



Operating weight and ground pressure

In standard trim, with standard boom, 3.45 m arm, and 1.9 m³ ISO heaped bucket, semi heavier counterweight

Shaped		Triple grouser shoes	
Shoe width	mm	600	800
Overall width of crawler	mm	3,350	3,550
Ground pressure	kPa	91.0	70.0
Operating weight	kg	53,100	54,500

In standard trim, with standard boom, 4.04 m arm, and 1.9 m³ ISO heaped bucket, semi heavier counterweight

Shaped		Triple grouser shoes	
Shoe width	mm	600	800
Overall width of crawler	mm	3,350	3,550
Ground pressure	kPa	91.5	70.4
Operating weight	kg	53,400	54,800

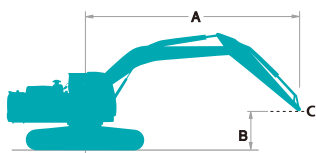
In standard trim, with standard boom, 3.00 m arm, and 2.1 m³ ISO heaped bucket, semi heavier counterweight

Shaped		Triple grouser shoes	
Shoe width	mm	600	800
Overall width of crawler	mm	3,350	3,550
Ground pressure	kPa	91.2	70.0
Operating weight	kg	53,200	54,500

Lift capacities

SK530LC

SK530LC-11



Rating over front



Rating over side or 360 degrees

A - Reach from swing centerline to arm top

B - Arm top height above/below ground

C - Lift point

Relief valve setting: 37.8 MPa

SK530LC		Boom: 7.00 m Arm: 3.45 m Bucket: without Semi heavier Counterweight: 9,800 kg Shoe: 600 mm (Heavy Lift)												
A	B	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														Radius
9.0 m	kg											*9,110	*9,110	7.77 m
7.5 m	kg											*8,580	*8,580	8.86 m
6.0 m	kg							*12,620	12,410	*11,820	9,250	*8,400	8,270	9.60 m
4.5 m	kg			*21,320	*21,320	*16,280	*16,280	*13,750	11,900	*12,310	9,010	*8,470	7,520	10.05 m
3.0 m	kg			*26,210	23,260	*18,650	15,530	*15,030	11,340	*12,960	8,720	*8,750	7,130	10.27 m
1.5 m	kg			*20,240	*20,240	*20,480	14,710	*16,130	10,860	*13,550	8,440	*9,290	7,010	10.25 m
G.L.	kg			*23,390	21,530	*21,330	14,240	*16,750	10,530	13,340	8,250	*10,170	7,150	10.02 m
−1.5 m	kg	*17,180	*17,180	*27,890	21,530	*21,130	14,070	*16,690	10,390	13,270	8,180	*11,600	7,620	9.54 m
−3.0 m	kg	*26,960	*26,960	*25,550	21,790	*19,810	14,160	*15,650	10,440			*12,510	8,590	8.77 m
−4.5 m	kg	*27,650	*27,650	*21,600	*21,600	*16,940	14,500	*12,700	10,790			*12,220	10,560	7.63 m

SK530LC		Boom: 7.00 m Arm: 4.04 m Bucket: without Semi heavier Counterweight: 9,800 kg 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		10.5 m		At max. reach		
																		Radius
9.0 m	kg															*7,940	*7,940	8.35 m
7.5 m	kg											*10,030	9,450			*7,590	*7,590	9.37 m
6.0 m	kg											*10,920	9,300			*7,490	*7,490	10.07 m
4.5 m	kg									*12,790	11,970	*11,530	9,000	*7,690	6,970	*7,600	6,960	10.50 m
3.0 m	kg					*23,990	23,780	*17,420	15,660	*14,170	11,340	*12,280	8,660	*10,100	6,810	*7,890	6,580	10.71 m
1.5 m	kg					*27,490	22,010	*19,520	14,680	*15,420	10,780	*12,990	8,330	10,700	6,640	*8,410	6,450	10.70 m
G.L.	kg					*26,590	21,240	*20,750	14,060	*16,260	10,360	13,180	8,070			*9,230	6,550	10.47 m
–1.5 m	kg	*13,130	*13,130	*17,580	*17,580	*28,220	21,050	*20,970	13,780	*16,490	10,140	13,030	7,940			*10,540	6,910	10.01 m
–3.0 m	kg	*19,560	*19,560	*25,190	*25,190	*26,460	21,200	*20,130	13,770	*15,890	10,120	*12,640	7,980			*12,000	7,690	9.29 m
–4.5 m	kg			*31,190	*31,190	*23,230	21,630	*17,980	14,020	*13,980	10,330					*12,070	9,210	8.22 m
–6.0 m	kg					*17,680	*17,680	*13,480	*13,480							*11,500	*11,500	6.66 m

SK530LC		Boom: 7.00 m Arm: 3.00 m Bucket: without Semi heavier Counterweight: 9,800 kg Shoe: 600 mm (Heavy Lift)												
A B		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		
														Radius
9.0 m	kg											*11,680	*11,680	7.31 m
7.5 m	kg							*12,620	12,510			*10,830	10,130	8.46 m
6.0 m	kg							*13,180	12,190	*12,360	9,070	*10,500	8,670	9.23 m
4.5 m	kg			*22,830	*22,830	*17,010	16,220	*14,230	11,690	*12,700	8,870	*10,500	7,840	9.70 m
3.0 m	kg					*19,240	15,200	*15,400	11,160	*13,240	8,600	*10,780	7,420	9.92 m
1.5 m	kg					*20,790	14,460	*16,340	10,710	13,460	8,350	*11,380	7,300	9.91 m
G.L.	kg			*19,730	*19,730	*21,310	14,080	*16,770	10,430	13,290	8,200	12,060	7,490	9.66 m
−1.5 m	kg	*15,470	*15,470	*26,900	21,520	*20,770	14,010	*16,460	10,340	*13,140	8,210	*12,710	8,040	9.16 m
−3.0 m	kg	*28,300	*28,300	*24,180	21,850	*19,060	14,170	*15,000	10,480			*12,590	9,190	8.36 m
−4.5 m	kg			*19,680	*19,680	*15,530	14,620					*11,880	11,630	7.16 m

Note:

- 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.
- Bucket pin attachment point 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

●=Std ○=Opt

Category	Description	SK530LC-11
ENGINE	ISUZU 6WG1 (Tier IV Final certified)	●
	Exhaust DOC SCR system	●
	Alternator 24 V/90 A	●
	Starter motor 24 V/7 kW	●
	Batteries 2 x 12 V (205 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 N&B piping)	○
	Proportional Hand Control (for Rotation & N&B piping)	●
PIPING	Hydraulic oil VG46	●
	N&B piping	○
	Rotation & N&B piping	●
	QH piping	●
CABIN	Air suspension seat with heating	●
	10-inch colour monitor	●
	LED door light	●
	Air-conditioner	●
	Radio (FM/AM & AUX & USB & Bluetooth® & hands-free telephone)	●
	12 V power outlet	●
	Rain visor	○
	Sun screen	●
LIGHTS	LED work lights : 2 on boom, 1 on upper frame, 2 on rear counterweight	●
	LED work lights : 2 on cab top front	○
WORKING EQUIPMENT	Standard boom (7.00 m)	●
	Standard arm (3.45 m)	●
	Long arm (4.04 m)	○
	Short arm (3.00 m)	○
COUNTERWEIGHT	Semi heavier C/W (TTL 9,800 kg)with swing flashers	●
UNDERCARRIAGE	600 mm steel shoe	●
	800 mm steel shoe	○
	Additional track guides (four additional per side)	●
	Lower frame guard	●
SAFETY	Engine emergency stop switch	●
	Pump emergency mode (KPSS release switch)	●
	Emergency accel dial	●
	Emergency escape hammer	●
	Safety valve for boom and 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	●
	Travel alarm	●
	Swing flashers in counterweight	●
OTHERS	Refueling pump	○
	Harness for engine room light	●
	RAL colour	●
	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.
 Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalogue may be reproduced in any manner without notice.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

 Tokyo, JAPAN
www.kobelcocm-global.com


Enquiries To: