

KOBELCO

SK850LC-11

Performance  Design

SK850_{LC}

■ Bucket capacity:

2.3 – 5.4 m³

■ Engine power:

382 kW/1,800 min⁻¹

■ Operating weight:

81,300 – 87,200 kg



We Save You Fuel
Achieving a Low-Carbon Society



Performance X Design

With the release of the SK850LC, KOBELCO has completely harmonised the values of PERFORMANCE and DESIGN.

The SK850LC 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



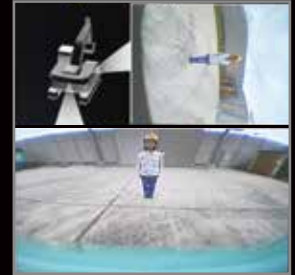
A WIDER VIEW BRINGS A WIDER RANGE OF USE

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)

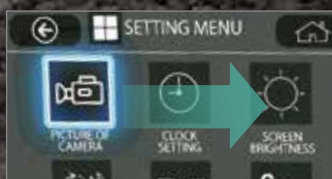


The right camera and rear camera (straight view mode)



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.

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

382 kW / 1,800 min⁻¹



Max. Bucket Digging Force

403 kN : Normal mode

Max. Arm Digging Force

311 kN : Normal mode

(3.60 m arm)



Lifting Capacity

30,390 kg

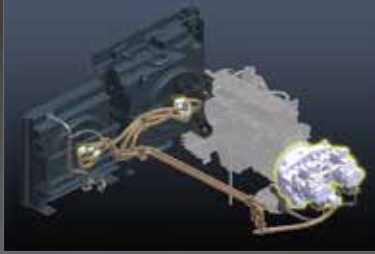
(Reach: 6.0 m, Height: Ground level)

(Boom: 8.25 m, Arm: 3.60 m, Bucket: without, Shoe: 650 mm,
Standard counterweight: 13,400 kg)

MACHINE DURABILITY YOU CAN TRUST

Enhanced Body Rigidity for 85-ton Class Machines

The SK850LC machines are widely used in mid-scale construction projects and harsh worksites. The components have been reviewed and improvements have been made to their durability to ensure stable performance in such environments.



Hydraulic Drive Cooling Fan

Hydraulic drive optimises the cooling fan rotation speed to improve fuel economy and reduce noise. The independent oil cooler fan better matches cooling to the hydraulic oil temperature, for optimal oil temperature control.



Three Track Guides Per Side (Standard) Full Track Guides (Optional)

Three heavy duty track guides installed on each side assure stability in the most demanding situations. Optional full track guides withstand powerful vibration and eliminate de-tracking concerns.



Variable Gauge Crawler

The variable gauge crawler extends the crawlers for extremely stable operation, and retracts them for easier transport.

DESIGNED FOR PRACTICAL FUNCTIONALITY



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.



Sun Screen



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 / 12 V Power Outlet



Smartphone Holder

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



K-LOAD (Load Weighing Function)

Weighing is possible while lifting and swinging, greatly improving work efficiency.

*Not legal for trade.



Rotation & N&B Piping

The combination of the Rotation & N&B piping specification with the Quick Hitch piping specification expands the range of mounting options.

GREATER MULTI-FUNCTION CAPABILITIES

Attachment Mode Selection

The auxiliary flow rates for the bucket, breaker, crusher, and rotating 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.



EASY MAINTENANCE



Cooling System Components



Reversible Fan

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



Auto-Coil Grease Gun Holder
Grease tank / Lubrication hose



DEF/AdBlue® Tank



Standard Overhead Top Guard Level II

The standard overhead cab guard can be tilted open for easy window cleaning.



Pre Air Cleaner



Air Cleaner



Engine Maintenance



Engine Oil Filter



Fuel Filter



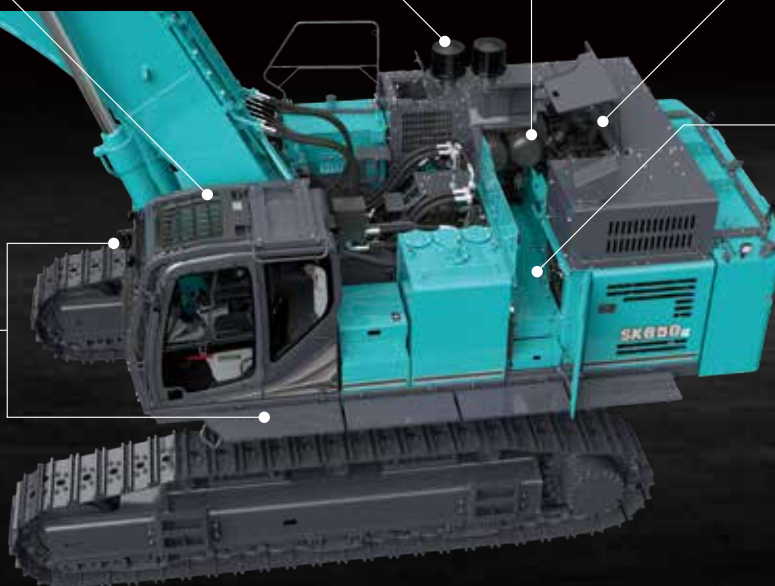
Drain Filter



Pre-Filter with Integrated Water Separator

Standard Left and Right Walkways

The left walkway provides easy access to the upper structure without having to go down to the ground. The right walkway makes refuelling easier.



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

K-LOAD

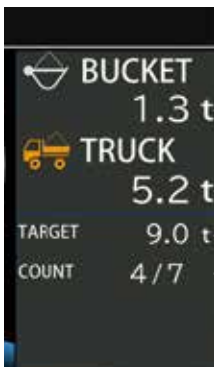
Smart payload control to support efficient loading.

- Real-time bucket payload weighing.
- Seamless weighing from digging to dumping.
- Automatic and manual measurement modes available.

Minimising downtime and keeping productivity on track.



Display Contents



See loading status clearly for quicker decisions. Key loading values are shown on the main display.

Tip end load:

Current load in the bucket

Total load:

Total amount loaded on dump truck so far

Loading target:

Dump truck loading target

Number of times loaded:

Display of current number of dump truck loads and target number of loads

Loading Results



Understand recent loading performance. View today's and the previous day's loading results on the monitor, including truck count, total load, and bucket passes, to review recent work and understand actual loading trends.

Load Alert



Know when to adjust loading decisions. Pop-up displays and a buzzer provide target guidance.

Target will be exceeded

A buzzer and red box warn the operator that the loading target will be exceeded if the current tip end load is loaded.

Approaching load target

A buzzer and yellow box alerts the operator when the total load has reached a certain amount.

Selective Result Recording



Manual mode lets operators decide which automatically measured bucket results are kept, preventing unintended results. Most loading operations can still be handled seamlessly in Automatic mode, while Manual mode adds accuracy when work involves mixed or non-measured activities.

● NOT LEGAL FOR TRADE

This function is not a certified weighing device such as truck scale. This means it cannot be used for business transaction or certification. Please read the operation manual carefully before use and ensure proper operation of the product.



Total Support for Machines with Network Speed and Accuracy

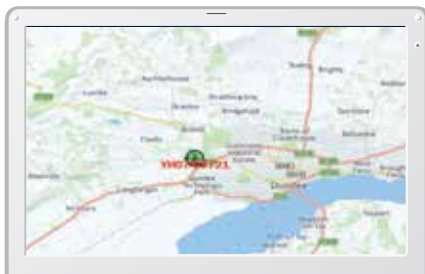
GEOSCAN is a cellular based telematics system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.



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 (NSB).



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/SK1405RL	YH07-09721	734 Hr	434 Hr
SK135SRLC-3/SK1405RL	YH07-09789	73 Hr	429 Hr
SK210LC-9	YQ12-10458	960 Hr	58 Hr
SK210LC-9	YQ12-10481	549 Hr	498 Hr
SK25SR-	Y108-30374		

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

The system can be set up with an alarm if the machine is outside of its designated time.

Area Alarm

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

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 × 154 mm
Displacement	15.681 L
Rated power output	382 kW /1,800 min ⁻¹ (ISO 14396: without fan)
Max. torque	2,200 N·m /1,450 min ⁻¹ (ISO 14396: without fan)



Hydraulic System

Pump	
Type	Two variable displacement axial piston pumps + option gear pump + pilot gear pump
Max. discharge flow	2 × 504 L/min, 1 × 49.3 L/min, 1 × 30 L/min
Relief valve setting	
Boom, arm and bucket	33.0 MPa
Travel circuit	33.0 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	7.3 min ⁻¹
Swing torque	268 kN·m



Attachments

Backhoe bucket and combination

Use			Backhoe bucket				
Bucket capacity	ISO heaped	m ³	2.3	2.8	3.5	4.6	5.4
	Struck	m ³	1.8	2.1	2.6	3.4	4.0
Opening width	With side cutter	mm	1,470	1,680	2,000	2,200	2,500
	Without side cutter	mm	1,370	1,580	1,900	2,100	2,400
No. of bucket teeth			4	5	5	6	6
Weight			2,130	2,370	2,610	3,270	3,570
Combination	2.90 m short arm		○	○	○	◎	△
	3.60 m standard arm		○	○	◎	△	—
	4.40 m long arm		○	◎	△	—	—
	5.40 m long arm		◎	△	—	—	—
	2.90 m short arm + 7.25 m ME boom		—	—	—	—	◎

◎ Standard ○ Recommended △ Loading only



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	51 each side
Travel speed	4.2/2.6 km/h
Rated drawbar pull	678 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	210 mm x 1,800 mm
Arm cylinder	220 mm x 2,175 mm
Bucket cylinder	200 mm x 1,570 mm



Refilling Capacities and lubrications

Fuel tank	960 L
Cooling system	91 L
Engine oil	54 L
Travel reduction gear	2 x 22 L
Swing reduction gear	2 x 8 L
Hydraulic oil tank	522 L tank oil level
	905 L hydraulic system
DEF/Urea tank	83 L



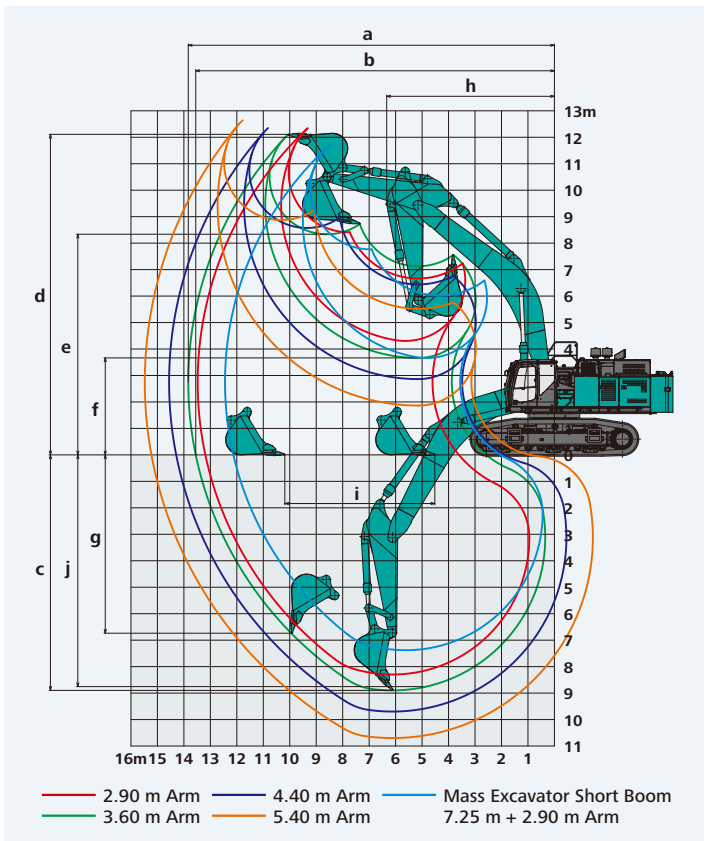
Working Ranges

		8.25 m				Unit: m
Boom		7.25 m				
Range	Arm	2.90 m	3.60 m	4.40 m	5.40 m	2.90 m
a- Max. digging reach		13.48	13.83	14.56	15.48	12.45
b- Max. digging reach at ground level		13.19	13.55	14.29	15.23	12.13
c- Max. digging depth*		8.30	8.90	9.70	10.70	7.38
d- Max. digging height*		12.34	12.11	12.35	12.64	11.69
e- Max. dumping clearance*		8.41	8.34	8.57	8.87	7.77
f- Min. dumping clearance*		4.31	3.66	2.86	1.86	3.66
g- Max. vertical wall digging depth*		5.16	6.74	7.48	8.41	4.42
h- Min. swing radius		6.31	6.34	6.34	6.40	5.49
i- Horizontal digging stroke at ground level		4.36	5.67	6.80	8.08	4.38
j- Digging depth for 2.4 m (8') flat bottom*		8.15	8.75	9.58	10.60	7.23
Bucket capacity SAE heaped m ³		4.6	3.5	2.8	2.3	5.4

* Without including height of shoe lug

Digging Force (ISO 6015)

		8.25 m				Unit: kN
Boom		7.25 m				
Arm length		2.90 m	3.60 m	4.40 m	5.40 m	2.90 m
Bucket digging force	ISO	432	403	403	403	432
Arm crowding force	ISO	351	311	272	234	351



Operating Weight & Ground Pressure

In standard trim, with HD 8.25 m boom, HD 3.60 m arm, 3.5 m³ ISO heaped bucket and standard counterweight

Shaped		Double grouser shoes (even height)		
Shoe width	mm	650	750	900
Overall width of crawler (Opened / retracted)	mm	4,200 / 3,400	4,300 / 3,500	4,450 / 3,800
Ground pressure	Without Full track guide	kPa	111	96.9
	With Full track guide	kPa	112	97.5
Operating weight	Without Full track guide	kg	81,900	82,600
	With Full track guide	kg	82,400	83,100

In standard trim, with HD 8.25 m boom, HD 3.60 m arm, 3.5 m³ ISO heaped bucket and Heavier counterweight (+3 tonnes)

Shaped		Double grouser shoes (even height)		
Shoe width	mm	650	750	900
Overall width of crawler (Opened / retracted)	mm	4,200 / 3,400	4,300 / 3,500	4,450 / 3,800
Ground pressure	Without Full track guide	kPa	115	100
	With Full track guide	kPa	116	101
Operating weight	Without Full track guide	kg	84,900	85,600
	With Full track guide	kg	85,400	86,100

In standard trim, with 7.25 m ME boom, HD 2.90 m arm, 5.4 m³ ISO heaped bucket and Standard counterweight

Shaped		Double grouser shoes (even height)		
Shoe width	mm	650	750	900
Overall width of crawler (Opened / retracted)	mm	4,200 / 3,400	4,300 / 3,500	4,450 / 3,800
Ground pressure	Without Full track guide	kPa	110	96.2
	With Full track guide	kPa	111	96.8
Operating weight	Without Full track guide	kg	81,300	82,000
	With Full track guide	kg	81,800	82,500

In standard trim, with 7.25 m ME boom, HD 2.90 m arm, 5.4 m³ ISO heaped bucket and Heavier counterweight (+3 tonnes)

Shaped		Double grouser shoes (even height)		
Shoe width	mm	650	750	900
Overall width of crawler (Opened / retracted)	mm	4,200 / 3,400	4,300 / 3,500	4,450 / 3,800
Ground pressure	Without Full track guide	kPa	114	99.7
	With Full track guide	kPa	115	100
Operating weight	Without Full track guide	kg	84,300	85,000
	With Full track guide	kg	84,800	85,500

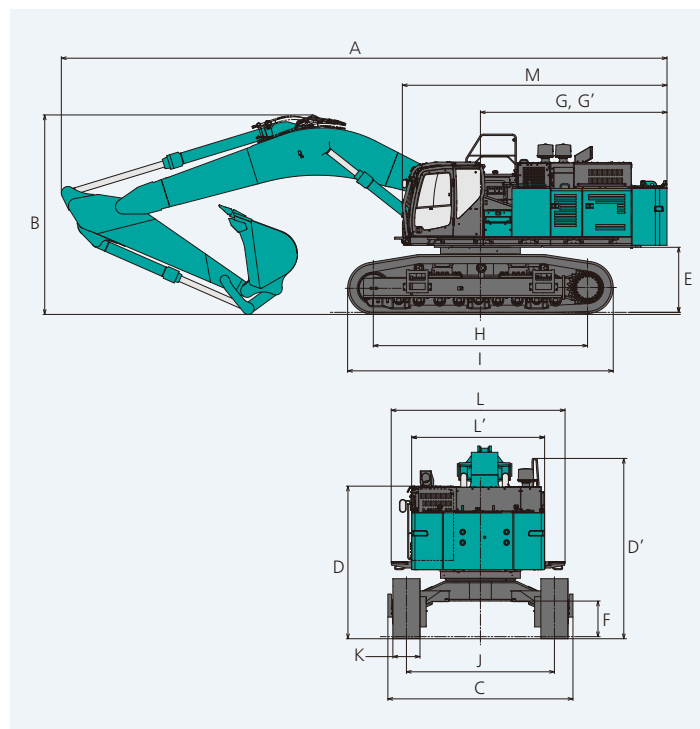
Specifications



Dimensions

		Unit: mm				
Boom		8.25 m				
Arm length		2.90 m	3.60 m	4.40 m	5.40 m	2.90 m
A	Overall length	14,600	14,530	14,480	14,220	13,590
B	Overall height (to top of boom)	4,850	4,790	5,160	5,750	4,880
C	Overall width					
	Extended	4,440				
D	Overall height (to top of cab)	3,660				
	Overall height (to top of handrail)	4,320				
E	Ground clearance of rear end*	1,560				
F	Ground clearance*	850				
G	Tail swing radius	4,580				
G'	Distance from centre of swing to rear end	4,480				
H	Tumbler distance	5,140				
I	Overall length of crawler	6,380				
J	Track gauge					
	Extended	3,550				
K	Shoe Width	650				
	Retracted	2,750				
L	Overall width of upper structure	4,170**				
L'	Overall width of upper structure (walkway folded)	3,190				
M	Overall length of upper structure	6,350***				

* Without including height of shoe lug **With catwalk ***With cab guard



Transportation

Four Disassembly and Transport Patterns

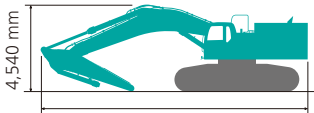
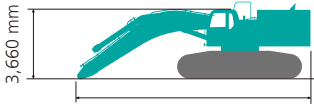
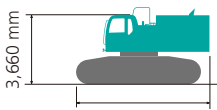
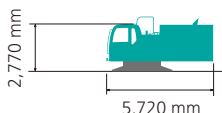
The SK850LC can be disassembled and transported in four different ways, including: no counterweight, with boom attached; main body only; main body without crawler frame; etc.

Variable Gauge Crawler

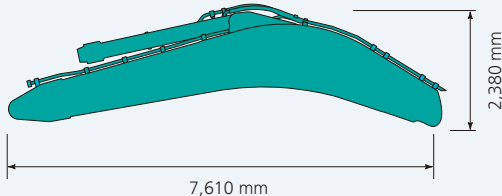
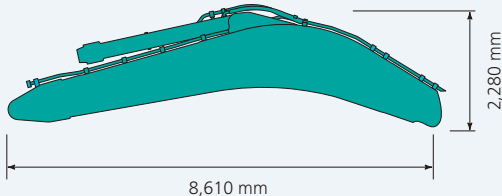
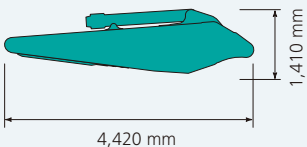
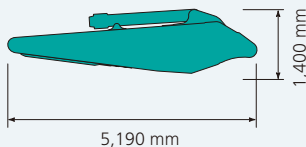
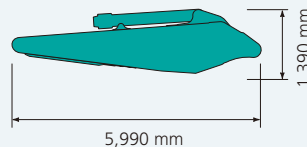
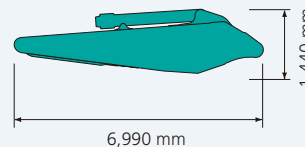
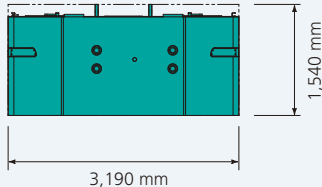
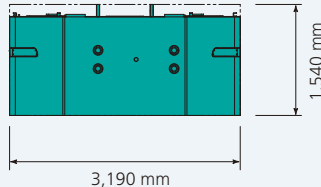
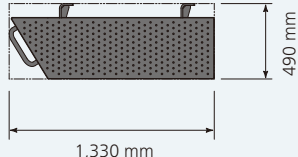
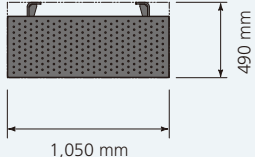
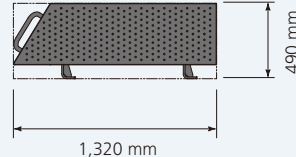
The variable gauge crawler extends the crawlers for extremely stable operation, and retracts them for easier transport.

Crawler Width

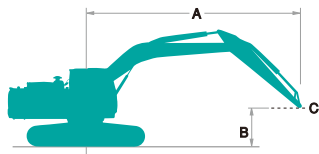
Shoe	650 mm
Extended	4,200 mm
Retracted	3,400 mm

Configuration	Description		Total weight
Plan 1			
 4,540 mm 13,890 mm Width 3,400 mm (with 650 mm shoe)	Upper structure without counterweight	☐	65,900 kg
	Undercarriage	☐	
	8.25 m Boom	☐	
	3.60 m Arm	☐	
Plan 2			
 3,660 mm 12,180 mm Width 3,400 mm (with 650 mm shoe)	Upper structure without counterweight	☐	61,300 kg
	Undercarriage	☐	
	8.25 m Boom	☐	
	3.60 m Arm	—	
Plan 3			
 3,660 mm 7,040 mm Width 3,400 mm (with 650 mm shoe)	Upper structure without counterweight	☐	50,100 kg
	Undercarriage	☐	
	8.25 m Boom	—	
	3.60 m Arm	—	
Plan 4			
 2,770 mm 5,720 mm Width 3,190 mm Installation of a hoisting kit is required.	Upper structure without counterweight	☐	26,600 kg
	Undercarriage	—	
	8.25 m Boom	—	
	3.60 m Arm	—	

Standard counterweight: 13,400 kg ○ : With — : Without

Boom			
7.25 m ME Boom		8.25 m Standard Boom	
Width: 1,310 mm Weight: 8,370 kg		Width: 1,310 mm Weight: 8,880 kg	
			
Arm			
2.90 m	3.60 m	4.40 m	5.40 m
Width: 790 mm Weight: 4,390 kg	Width: 790 mm Weight: 4,540 kg	Width: 790 mm Weight: 4,960 kg	Width: 790 mm Weight: 5,670 kg
			
Counterweight			
Standard counterweight		Heavier counterweight	
Width: 870 mm Weight: 13,400 kg		Width: 870 mm Weight: 16,400 kg	
			
Catwalk			
Catwalk (Front Left)	Catwalk (Left)	Catwalk (Front Right)	
Height: 195 mm Weight: 35 kg	Height: 155 mm Weight: 90 kg (30 kg × 3)	Height: 195 mm Weight: 35 kg	
			

Lift capacities



Rating over front

Rating over side or 360 degrees

A: Reach from swing centreline to arm top

B: Arm top height above/below ground

C: Lift capacities in Kilograms

Bucket: Without bucket

Relief valve setting: 33.0 MPa

SK850LC		Boom: 8.25 m Arm: 2.90 m Bucket: without Shoe: 650 mm Standard counterweight: 13,400 kg												
A \ B		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		
														Radius
10.5 m	kg											*16,260	*16,260	8.01 m
9.0 m	kg							*15,450	*15,450			*15,500	*15,500	9.26 m
7.5 m	kg					*17,080	*17,080	*15,600	*15,600			*15,200	14,460	10.14 m
6.0 m	kg					*18,770	*18,770	*16,410	*16,410	*15,180	13,410	*15,120	12,910	10.72 m
4.5 m	kg					*20,730	*20,730	*17,470	16,490	*15,600	13,070	*15,180	12,000	11.07 m
3.0 m	kg					*22,450	20,380	*18,490	15,840	*16,110	12,710	*15,330	11,540	11.20 m
1.5 m	kg					*23,530	19,670	*19,240	15,340	*16,470	12,420	*15,550	11,470	11.13 m
G.L.	kg					*23,800	19,330	*19,500	15,060	*16,440	12,280	*15,780	11,800	10.84 m
-1.5 m	kg			*28,720	27,000	*23,240	19,300	*19,090	15,020			*15,980	12,640	10.32 m
-3.0 m	kg	*31,790	*31,790	*26,520	*26,520	*21,700	19,540	*17,600	15,270			*16,020	14,260	9.53 m
-4.5 m	kg	*27,330	*27,330	*22,910	*22,910	*18,570	*18,570					*15,610	*15,610	8.39 m

SK850LC		Boom: 8.25 m Arm: 3.60 m Bucket: without Shoe: 650 mm Standard counterweight: 13,400 kg														
A \ B		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		
																Radius
10.5 m	kg													*14,450	*14,450	8.64 m
9.0 m	kg									*14,070	*14,070			*14,030	*14,030	9.81 m
7.5 m	kg									*14,520	*14,520	*13,910	13,900	*13,900	13,560	10.64 m
6.0 m	kg							*17,570	*17,570	*15,470	*15,470	*14,250	13,620	*13,950	12,180	11.20 m
4.5 m	kg					*25,170	*25,170	*19,660	*19,660	*16,670	*16,670	*14,870	13,220	*14,110	11,340	11.53 m
3.0 m	kg							*21,620	20,770	*17,860	16,030	*15,550	12,790	*14,360	10,890	11.66 m
1.5 m	kg					*30,130	27,260	*23,030	19,900	*18,810	15,450	*16,110	12,430	*14,670	10,790	11.58 m
G.L.	kg					*30,390	26,830	*23,690	19,400	*19,330	15,070	*16,360	12,200	*15,040	11,030	11.31 m
-1.5 m	kg			*23,750	*23,750	*29,630	26,810	*23,540	19,220	*19,270	14,910	*16,070	12,140	*15,420	11,690	10.81 m
-3.0 m	kg	*25,770	*25,770	*35,030	*35,030	*27,910	27,070	*22,500	19,330	*18,380	15,000			*15,760	12,990	10.06 m
-4.5 m	kg	*38,430	*38,430	*30,900	*30,900	*24,980	*24,980	*20,220	19,740	*15,930	15,440			*15,920	15,440	9.00 m
-6.0 m	kg			*24,490	*24,490	*19,990	*19,990							*15,460	*15,460	7.47 m

SK850LC		Boom: 8.25 m Arm: 5.40 m Bucket: without Shoe: 650 mm Standard counterweight: 13,400 kg																			
A \ B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		At Max. Reach			
																				Radius	
10.5 m	kg													*10,240	*10,240			*9,120	*9,120	10.77 m	
9.0 m	kg																	*8,790	*8,790	11.72 m	
7.5 m	kg														*10,870	*10,870	*10,700	*10,700	*8,680	*8,680	12.42 m
6.0 m	kg														*11,520	*11,520	*11,010	10,870	*8,730	*8,730	12.90 m
4.5 m	kg										*15,800	*15,800	*13,720	*13,720	*12,370	*12,370	*11,500	10,540	*8,940	8,830	13.19 m
3.0 m	kg								*23,280	*23,280	*18,140	*18,140	*15,180	*15,180	*13,310	12,690	*12,070	10,180	*9,320	8,480	13.30 m
1.5 m	kg								*26,470	*26,470	*20,200	20,060	*16,540	15,340	*14,200	12,140	*12,610	9,830	*9,900	8,350	13.24 m
G.L.	kg																				
-1.5 m	kg																				
-3.0 m	kg	*15,570	*15,570	*19,220	*19,220	*28,150	*28,150	*28,870	25,640	*22,550	18,260	*18,300	14,020	*15,250	11,270						
-4.5 m	kg	*21,390	*21,390	*26,100	*26,100	*36,360	*36,360	*27,510	25,820	*21,730	18,320	*17,630	14,060	*14,410	11,370						
-6.0 m	kg			*34,780	*34,780	*32,280	*32,280	*24,860	*24,860	*19,750	18,680	*15,780	14,400								
-7.5 m	kg					*25,950	*25,950	*20,260	*20,260	*15,760	*15,760										

SK850LC		Boom: 7.25 m ME Arm: 2.90 m Bucket: without Shoe: 650 mm Standard counterweight: 13,400 kg												
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							*18,530	*18,530			*18,580	*18,580	7.97 m
7.5 m	kg							*18,760	*18,760			*17,990	*17,990	8.98 m
6.0 m	kg					*23,530	*23,530	*20,040	*20,040	*18,160	17,680	*17,790	15,750	9.64 m
4.5 m	kg					*27,080	*27,080	*21,810	*21,810	*18,950	17,170	*17,800	14,490	10.02 m
3.0 m	kg					*30,170	29,800	*23,530	21,620	*19,820	16,630	*17,950	13,890	10.17 m
1.5 m	kg					*31,750	28,740	*24,690	20,890	*20,420	16,200	*18,160	13,830	10.08 m
G.L.	kg					*31,690	28,330	*24,940	20,490	*20,400	15,970	*18,390	14,350	9.77 m
-1.5 m	kg			*38,110	*38,110	*30,200	28,350	*24,040	20,440	*19,180	16,020	*18,520	15,630	9.18 m
-3.0 m	kg	*39,190	*39,190	*33,700	*33,700	*27,050	*27,050	*21,400	20,760			*18,300	18,250	8.28 m
-4.5 m	kg			*26,310	*26,310	*21,050	*21,050					*17,030	*17,030	6.94 m

SK850LC		Boom: 8.25 m Arm: 2.90 m Bucket: without Shoe: 650 mm Heavier counterweight: 16,400 kg												
B A		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		
														Radius
10.5 m	kg											*16,260	*16,260	8.01 m
9.0 m	kg							*15,450	*15,450			*15,500	*15,500	9.26 m
7.5 m	kg					*17,080	*17,080	*15,600	*15,600			*15,200	*15,200	10.14 m
6.0 m	kg					*18,770	*18,770	*16,410	*16,410	*15,180	14,970	*15,120	14,430	10.72 m
4.5 m	kg					*20,730	*20,730	*17,470	*17,470	*15,600	14,630	*15,180	13,460	11.07 m
3.0 m	kg					*22,450	*22,450	*18,490	17,730	*16,110	14,270	*15,330	12,990	11.20 m
1.5 m	kg					*23,530	22,070	*19,240	17,230	*16,470	13,980	*15,550	12,930	11.13 m
G.L.	kg					*23,800	21,730	*19,500	16,950	*16,440	13,840	*15,780	13,300	10.84 m
-1.5 m	kg			*28,720	*28,720	*23,240	21,700	*19,090	16,910			*15,980	14,230	10.32 m
-3.0 m	kg	*31,790	*31,790	*26,520	*26,520	*21,700	*21,700	*17,600	17,160			*16,020	*16,020	9.53 m
-4.5 m	kg	*27,330	*27,330	*22,910	*22,910	*18,570	*18,570					*15,610	*15,610	8.39 m

SK850LC		Boom: 8.25 m Arm: 3.60 m Bucket: without Shoe: 650 mm Heavier counterweight: 16,400 kg														
B	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		
															Radius	
10.5 m	kg													*14,450	*14,450	8.64 m
9.0 m	kg									*14,070	*14,070			*14,030	*14,030	9.81 m
7.5 m	kg									*14,520	*14,520	*13,910	*13,910	*13,900	*13,900	10.64 m
6.0 m	kg							*17,570	*17,570	*15,470	*15,470	*14,250	*14,250	*13,950	13,620	11.20 m
4.5 m	kg					*25,170	*25,170	*19,660	*19,660	*16,670	*16,670	*14,870	14,780	*14,110	12,730	11.53 m
3.0 m	kg							*21,620	*21,620	*17,860	*17,860	*15,550	14,350	*14,360	12,270	11.66 m
1.5 m	kg					*30,130	*30,130	*23,030	22,300	*18,810	17,340	*16,110	13,990	*14,670	12,170	11.58 m
G.L.	kg					*30,390	30,110	*23,690	21,800	*19,330	16,960	*16,360	13,760	*15,040	12,450	11.31 m
-1.5 m	kg			*23,750	*23,750	*29,630	*29,630	*23,540	21,620	*19,270	16,800	*16,070	13,700	*15,420	13,200	10.81 m
-3.0 m	kg	*25,770	*25,770	*35,030	*35,030	*27,910	*27,910	*22,500	21,730	*18,380	16,890			*15,760	14,630	10.06 m
-4.5 m	kg	*38,430	*38,430	*30,900	*30,900	*24,980	*24,980	*20,220	*20,220	*15,930	*15,930			*15,920	*15,920	9.00 m
-6.0 m	kg			*24,490	*24,490	*19,990	*19,990							*15,460	*15,460	7.47 m

SK850LC		Boom: 8.25 m Arm: 5.40 m Bucket: without Shoe: 650 mm Heavier counterweight: 16,400 kg																		
A	B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		At Max. Reach		
																			Radius	
10.5 m	kg													*10,240	*10,240			*9,120	*9,120	10.77 m
9.0 m	kg																	*8,790	*8,790	11.72 m
7.5 m	kg													*10,870	*10,870	*10,700	*10,700	*8,680	*8,680	12.42 m
6.0 m	kg													*11,520	*11,520	*11,010	*11,010	*8,730	*8,730	12.90 m
4.5 m	kg									*15,800	*15,800	*13,720	*13,720	*12,370	*12,370	*11,500	*11,500	*8,940	*8,940	13.19 m
3.0 m	kg							*23,280	*23,280	*18,140	*18,140	*15,180	*15,180	*13,310	*13,310	*12,070	11,510	*9,320	*9,320	13.30 m
1.5 m	kg							*26,470	*26,470	*20,200	*20,200	*16,540	*16,540	*14,200	13,700	*12,610	11,160	*9,900	9,540	13.24 m
G.L.	kg					*17,580	*17,580	*28,430	*28,430	*21,700	21,490	*17,600	16,560	*14,920	13,260	*13,020	10,880	*10,740	9,650	13.00 m
-1.5 m	kg			*13,330	*13,330	*21,900	*21,900	*29,180	29,100	*22,500	20,910	*18,230	16,120	*15,320	12,950	*13,140	10,710	*11,960	10,040	12.57 m
-3.0 m	kg	*15,570	*15,570	*19,220	*19,220	*28,150	*28,150	*28,870	*28,870	*22,550	20,660	*18,300	15,910	*15,250	12,830			*12,800	10,790	11.94 m
-4.5 m	kg	*21,390	*21,390	*26,100	*26,100	*36,360	*36,360	*27,510	*27,510	*21,730	20,710	*17,630	15,950	*14,410	12,930			*13,230	12,100	11.06 m
-6.0 m	kg			*34,780	*34,780	*32,280	*32,280	*24,860	*24,860	*19,750	*19,750	*15,780	*15,780					*13,580	*13,580	9.87 m
-7.5 m	kg					*25,950	*25,950	*20,260	*20,260	*15,760	*15,760							*13,600	*13,600	8.22 m

SK850LC		Boom: 7.25 m ME Arm: 2.90 m Bucket: without Shoe: 650 mm Heavier counterweight: 16,400 kg												
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							*18,530	*18,530			*18,580	*18,580	7.97 m
7.5 m	kg							*18,760	*18,760			*17,990	*17,990	8.98 m
6.0 m	kg					*23,530	*23,530	*20,040	*20,040	*18,160	*18,160	*17,790	*17,480	9.64 m
4.5 m	kg					*27,080	*27,080	*21,810	*21,810	*18,950	*18,950	*17,800	16,140	10.02 m
3.0 m	kg					*30,170	*30,170	*23,530	*23,530	*19,820	18,520	*17,950	15,520	10.17 m
1.5 m	kg					*31,750	*31,750	*24,690	23,290	*20,420	18,090	*18,160	15,470	10.08 m
G.L.	kg					*31,690	31,600	*24,940	22,890	*20,400	17,860	*18,390	16,050	9.77 m
-1.5 m	kg			*38,110	*38,110	*30,200	*30,200	*24,040	22,840	*19,180	17,920	*18,520	17,470	9.18 m
-3.0 m	kg	*39,190	*39,190	*33,700	*33,700	*27,050	*27,050	*21,400	*21,400			*18,300	*18,300	8.28 m
-4.5 m	kg			*26,310	*26,310	*21,050	*21,050					*17,030	*17,030	6.94 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 pin is 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	SK850LC-11	
		Standard	Mass excavation
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)	●	●
	Reversible hydraulic drive cooling fan	●	●
	Auto deceleration function	●	●
HYDRAULIC SYSTEM	Auto Idle Stop (AIS)	●	●
	3 work modes H, S, Eco	●	●
	Auto warm up system	●	●
	Proportional Hand Control (for Rotation & N&B piping)	●	●
PIPING	Hydraulic oil VG46	●	●
	Rotation & N&B piping	●	●
	Standard piping	—	○
CABIN	QH piping	●	●
	Air suspension seat with heating	●	●
	10-inch colour monitor	●	●
LIGHTS	LED door light	●	●
	Air conditioner	●	●
	Radio (FM/AM & AUX & USB & Bluetooth® & hands free telephone)	●	●
	12 V power outlet	●	●
	Rain visor	○	○
	Sun screen	●	●
	LED work lights : 2 on boom, 1 on upper frame, 4 on rear counterweight, 1 on under cab	●	●
WORKING EQUIPMENT	LED work lights : 2 on cab top front	○	○
	Standard boom (8.25 m)	●	—
	ME Boom (7.25 m)	—	●
	Short arm (2.90 m)	○	●
	Standard arm (3.60 m)	●	—
	Semi long arm (4.40 m)	○	—
COUNTERWEIGHT	Long arm (5.40 m)	○	—
	Standard C/W (13,400 kg) with swing flashers	●	●
UNDERCARRIAGE	Heavier C/W (16,400 kg) with swing flashers	○	○
	650 mm double grouser shoe	●	●
	750 mm double grouser shoe	○	○
	900 mm double grouser shoe	○	○
	Full track guide	○	○
SAFETY	Lower frame guard	●	●
	Engine emergency stop switch	●	●
	Emergency accel dial	●	●
	Emergency manual valve for lowering attachment	●	●
	Safety valve for boom and arm cylinder	●	—
	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	●	●
OTHERS	Emergency escape hammer	●	●
	Refuelling pump	●	●
	Harness for engine room light	●	●
	Hoisting kit	○	○
	RAL colour	○	○
	K-LOAD	●	●
	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.
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