STANDARD EQUIPMENT

ENGINE
- Engine, HINO P11C-VC, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Batteries (2 x 12V - 176Ah)
- Starting motor (24V - 6kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner

CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost
- Heavy lift

SWING SYSTEM & TRAVEL SYSTEM
- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake

HYDRAULIC
- Arm regeneration system
- Auto warm up system
- Aluminum hydraulic oil cooler

MIRRORS & LIGHTS
- Three rearview mirrors
- Three front working lights

CAB & CONTROL
- Two control levers, pilot-operated
- Tow eyes
- Horn, electric
- Integrated left-right slide-type control box
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Retractable seatbelt
- Headrest
- Handrails
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer
- Suspension seat
- Radio, AM/FM stereo speaker
- TOP guard
- Rear view camera

OPTIONAL EQUIPMENT

- Object Handling Kit (boom and arm safety valve + hook)
- Wide range of buckets
- Various optional arms
- Wide range of shoes
- Additional hydraulic circuit
- Air suspension seat
- Rain visor (may interfere with bucket action)

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 CO., LTD.
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www.kobelco-kenki.co.jp/english_index.html

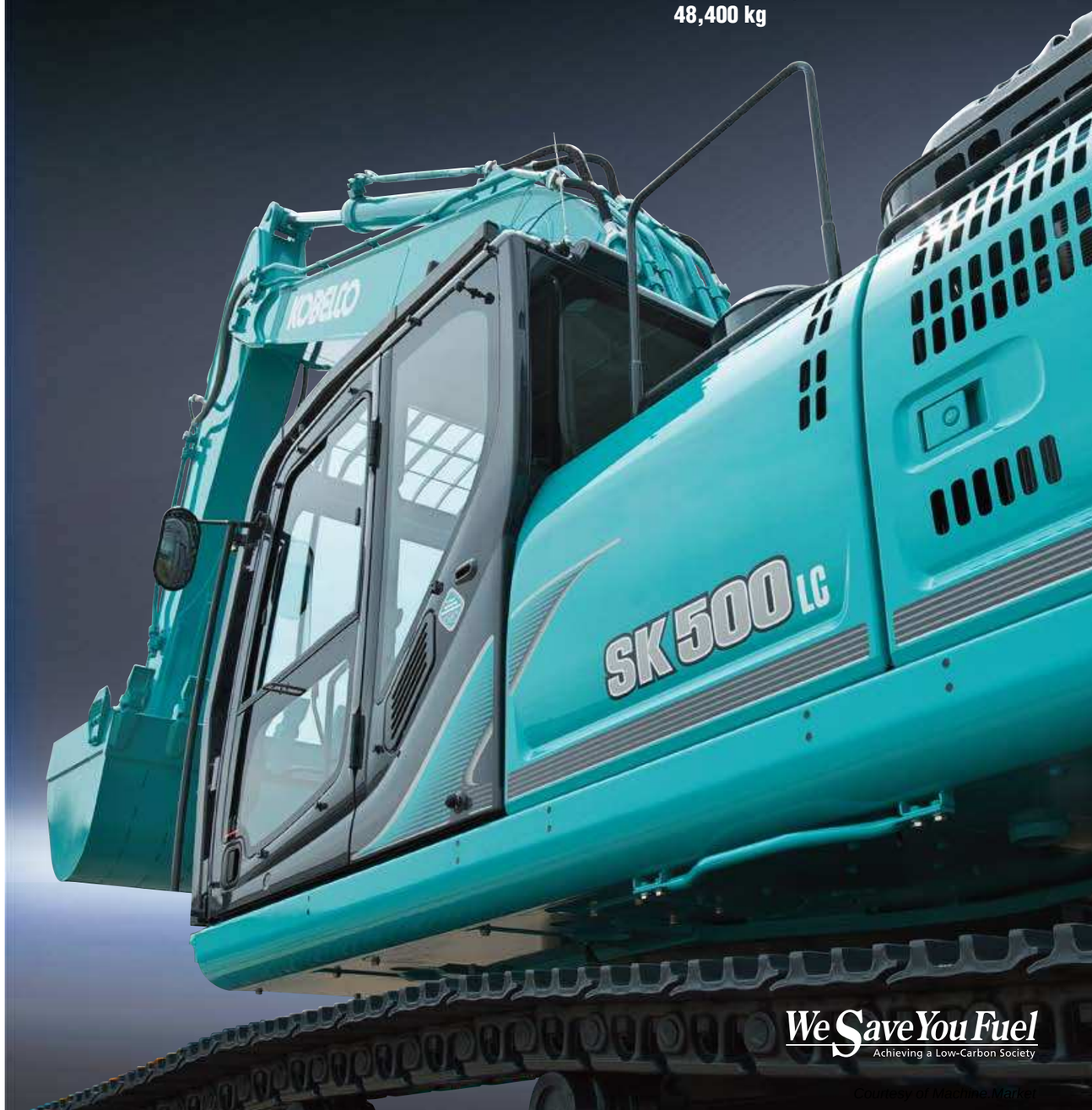
Inquiries To:

KOBELCO

SK500LC-9

SK500LC

- Bucket Capacity:
  1.9 m³ ISO heaped
- Engine Power:
  257 kW/1,850 min⁻¹ (ISO 9249)
  271 kW/1,850 min⁻¹ (ISO 14396)
- Operating Weight:
  48,400 kg



We Save You Fuel
Achieving a Low-Carbon Society

Courtesy of Machine Market

EVER IMPROVING FUEL ECONOMY

KOBELCO savings on fuel just keep getting better. The “Three E’s” concept that gave birth to the SK series (Enhancement, Economy, Environment) has been further refined to clear the latest exhaust gas regulations, minimize fuel consumption to incredible new lows, and create a new breed of hydraulic excavator on the cutting edge of performance. The SK500LC meets increasingly stringent environmental requirements while delivering revolutionary, next-generation operation. To offset the cost of reducing the machine’s environmental impact, we’ve cut running costs in quick response to modern needs. Through our ongoing crusade to cut fuel costs, we continue to create value for our customers, the KOBELCO way.

Pursuing The “Three E’s”

Enhancement

- High productivity resulting from lower fuel costs
- New environmental engine and energy-efficient hydraulic circuit improve fuel efficiency

Economy

- New ECO mode greatly reduces fuel consumption
- Low-maintenance design reduces operating costs
- High structural durability and reliability boost machine resale value

Environment

- New design achieves low vibration and low noise levels (including improvements in sound quality)

Courtesy of Machine Market

Reducing Fuel Consumption while Boosting Environmental Performance.

KOBELCO engineers are constantly seeking better fuel efficiency and cleaner exhaust emissions. To that end, they've combined a newly developed engine with KOBELCO's proprietary energy-efficient system. The result is a machine that opens new frontiers for environmentally responsible operation.

New, Environmentally Friendly Engine

Fuel efficiency
(ECO mode, compared with S mode on previous machines)

About **13%** reduction

The new ECO mode provides a maximum of about a 13% reduction in fuel consumption.

PM Reduction
(Compared with previous models)

About **88%** reduction

Since the adoption of 2006 regulations, PM emissions have been reduced by about 88%, and NOx emissions by about 44%.

Next-Generation Electronic Engine Control

The new electronic-control common-rail engine features high-pressure fuel injection and multiple injection with improved precision. It is fitted with an EGR cooler, and DP filter which deliver high output from optimized combustion and greatly reduce PM and NOx emissions.

PM emissions cut:

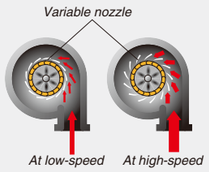
Limits creation of particulate matter (which results from incomplete combustion of fuel)

■ Common Rail System

High-pressure injection atomizes the fuel, and injection timing is more precise, improving combustion efficiency.

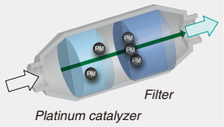
■ VG Turbo

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.



■ Diesel Particular Filter (DPF)

Carbon builds up as soot on the diesel particulate filter and is burned off at high temperature. At low engine speeds the exhaust temperature is too low, and the common rail multiple injection system is then used to raise the temperature sufficiently to burn off the soot.

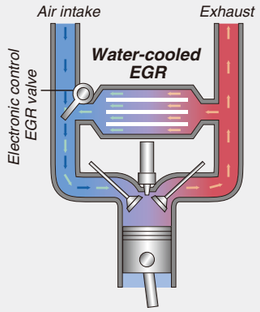


NOx emissions cut:

Reduces nitrous oxides (created by reaction with oxygen at high temperature)

■ EGR Cooler

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the air intake and re-circulated into the engine. The lowered oxygen temperature lowers the combustion temperature and increases combustion efficiency.



** Normally, re-circulation occurs automatically. Under certain circumstances, however, it must be done manually using a switch.*

Energy-Efficient System

ECO-mode

Work modes for a closer match to the job in hand. An addition to the existing H-mode and S-mode, the new ECO-mode saves even more energy.

H-mode

For heavy duty when a higher performance level is required.

S-mode

For normal operations with lower fuel consumption.

ECO-mode

Puts priority on low fuel consumption and economic performance.

Fuel Savings in Each Mode
(Compared with previous models)

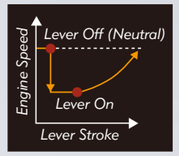
H About **6%** improvement

S About **6%** improvement

E About **13%** improvement, compared with previous S mode

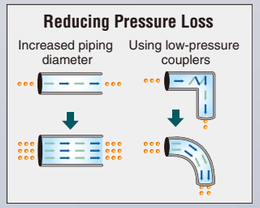
Automatic Acceleration/Deceleration Function Reduces Engine Speed

Engine speed is automatically reduced when the control lever is placed in neutral, effectively saving fuel and reducing noise and exhaust emissions. The engine quickly returns to full speed when the lever is moved out of neutral.



New Hydraulic System

Rigorous inspections for pressure loss are performed on all components of the hydraulic piping, from the spool of the control valve to the connectors. This regimen, combined with the use a new, high-efficiency pump, cuts energy loss to a minimum.



Courtesy of Machine.Market

Big Power, Little Fuel for Unbeatable Cost Performance.

Working Volume Per Unit Fuel
(ECO mode, compared with S mode on previous machines)
8% increase

Max. Arm Crowding Force

Normal:	**203**kN {20.7tf}
With power boost:	**222**kN {22.7tf}

Max. Bucket Digging Force

Normal:	**267**kN {27.2tf}
With power boost:	**292**kN {29.8tf}

Top-of-Class Working Ranges

Max. digging reach:	**12,070**mm
Max. digging depth:	**7,810**mm
Max. vertical wall digging depth:	**7,120**mm

** Values are for HD arm (3.45m)*

Powerful and Smooth Travel and Swing

Thanks to top-of-class travel torque, smooth travel is assured on slopes and uneven terrain, as well as when changing machine direction. Powerful swing torque also ensures smooth swing acceleration and deceleration for more efficient performance.

Multi-Display Color Monitor for Easy Checking

An LCD multi-display color monitor is fitted as standard. Operations data as well as the full range of machine-status data can readily be checked.

Analog gauge provides an intuitive reading of fuel level and engine water temperature

Green indicator light shows low fuel consumption during operation

Fuel consumption/ Switch indicator for rear camera images

Digging mode switch

Monitor display switch

One-Touch Attachment Mode Switch

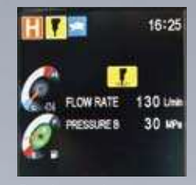
A simple flick of a switch converts the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.

Maintenance

Fuel consumption

Rearview monitoring

Crusher mode



Breaker mode

Courtesy of Machine.Market

Cab Design That Puts the Operator First

Comfort

Big Cab

The big cab provides a roomy operating space with plenty of leg-room, and the door opens wide for entry and exit. As well as giving a wide, open view to the front, the cab has increased window areas on both sides and to the rear, for improved visibility in all directions.

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.

Wide-Access Cab Aids Smooth Entry and Exit

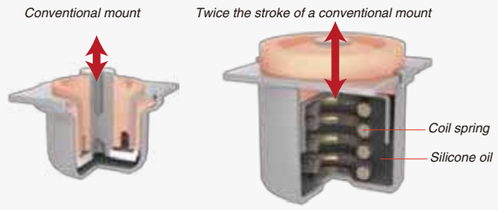
Easy entry and exit assured with wider cab entry and safety lock lever integrated with mounting for control levers.

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.

Vibration control compared with previous models

- When traveling: about **30%** reduction
- When digging: about **30%** to **50%** reduction



Safety

ROPS Cab

The newly developed, 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.

• Level 2 TOP Guard (FOPS Guard) (ISO 10262) is fitted as standard.

• To fit vandalism guards, please contact your KOBELCO dealer (Mounting brackets for vandalism guards)
• Wiper is stored out of sight when not in use to maintain a clear view
• Greater safety assured by rearview mirrors on left and right, and a third mirror mounted at lower right

• Reinforced glass windows meet European standards

Rear View Camera

A rear view camera is installed as standard to simplify checking for safety behind the machine. The picture appears on the color monitor.

Safety Features Take Various Scenarios into Consideration

• Hammer for emergency exit

• Retractable seatbelt requires no manual adjustment

• Firewall separates the pump compartment from the engine

• Handrails meet ISO standards
• Thermal guard prevents contact with hot components during engine inspections

Courtesy of Machine.Market

Fast, Accurate and Low-Cost Maintenance

Monitor Display with Essential Information for Accurate Maintenance Checks

- 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
- Record function of previous breakdowns including irregular and transient malfunction

	INTERVAL	REMAINING TIME	EXCHANGE DAY
ENGINE OIL	500 Hr	497 Hr	--/--/--
FUEL FILTER	500 Hr	497 Hr	--/--/--
HYD. FILTER	1000 Hr	997 Hr	--/--/--
HYD. OIL	5000 Hr	4997 Hr	--/--/--

Comfortable "On the Ground" Maintenance

Most daily inspection and regular maintenance tasks can be easily implemented with ready access on the ground.

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

Pre-fuel filter (built-in water separator)
The large capacity fuel filter is designed specially for common rail engines. This high-grade filter catches 95% of all dust particles and other impurities in the fuel.

Engine oil filter

Refueling pump

Maintenance Carried Out on Top of the Machine Is Safety-Oriented

Three steps are provided for climbing the machine, with handrails that meet ISO standards, so that maintenance can be safely carried out on top of the machine.

Handrails

Three steps

More Efficient Maintenance Inside the Cab

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

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

Hour meter
Hour meter can be checked while standing on the ground.

Air conditioner filters
Internal and external air conditioner filters can be easily removed without tools for cleaning.

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.

Fuel tank
Fuel tank equipped with bottom flange and large drain valve.

Long-Interval Maintenance

Long-life hydraulic oil reduces cost and labor.

Long-life hydraulic oil: 5,000 hours

Highly Durable Super-fine Filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.

Replacement cycle: 1,000 hours

Courtesy of Machine.Market

Engine

Model	HINO P11C-VC
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders	6
Bore and stroke	122 mm x 150 mm
Displacement	10.520 L
Rated power output	257 kW/1,850 min^{-1} (ISO 9249)
	271 kW/1,850 min^{-1} (ISO 14396)
Max. torque	1,428 N•m/1,400 min^{-1} (ISO 9249)
	1,470 N•m/1,400 min^{-1} (ISO 14396)

Hydraulic System

Pump	
Type	Two variable displacement pumps + one gear pump
Max. discharge flow	2 x 370 L/min, 1 x 30 L/min
Relief valve setting	
Boom, arm and bucket	31.4 MPa {320 kgf/cm^2}
Power Boost	34.3 MPa {350 kgf/cm^2}
Travel circuit	34.3 MPa {350 kgf/cm^2}
Swing circuit	25.8 MPa {260 kgf/cm^2}
Control circuit	5.0 MPa {50 kgf/cm^2}
Pilot control pump	Gear type
Main control valve	6-spool
Oil cooler	Air cooled type

Swing System

Swing motors	2 x axial piston motors
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	7.8 min^{-1} {rpm}
Tail swing radius	3,700 mm
Min. front swing radius	5,140 mm

Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	50 each side
Travel speed	5.4／3.4 km/h
Drawbar pulling force	415 kN (ISO 7464)
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

Boom, Arm & Bucket

Boom cylinders	170 mm x 1,590 mm
Arm cylinder	190 mm x 1,970 mm
Bucket cylinder	160 mm x 1,410 mm

Refilling Capacities & Lubrications

Fuel tank	640 L
Cooling system	47.4 L
Engine oil	42.5 L
Travel reduction gear	2 x 15 L
Swing reduction gear	2 x 4.7 L
Hydraulic oil tank	283 L tank oil level 538 L hydraulic system

Attachments

Backhoe bucket and combination

Use			Backhoe bucket				
			Normal digging			Light-duty	
Bucket capacity	ISO heaped	m^3	1.4	1.6	1.9	2.1	2.4
Struck		m^3	1.0	1.15	1.4	1.5	1.7
Opening width	With side cutter	mm	1,225	1,375	1,670	1,750	1,980
	Without side cutter	mm	1,100	1,250	1,550	1,620	1,850
No. of teeth			4	4	5	5	5
Bucket weight		kg	1,250	1,330	1,510	1,560	1,690
Combination	3.0 m short arm		○	○	○	△	△
	3.45 m standard arm		○	○	◎	△	×
	4.04 m long arm		○	◎	△	×	×

◎ Standard ○ Recommended △ Loading only × Not recommended

Working Ranges

Unit: m

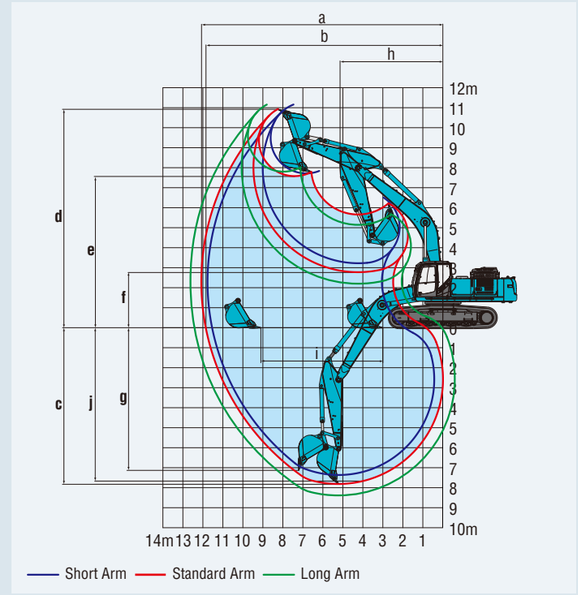
Boom	7.0 m		
Arm / Range	Short 3.0 m	Standard 3.45 m	Long 4.04 m
a- Max. digging reach	11.77	12.07	12.61
b- Max. digging reach at ground level	11.54	11.84	12.40
c- Max. digging depth	7.36	7.81	8.40
d- Max. digging height	11.16	10.93	11.14
e- Max. dumping clearance	7.72	7.58	7.79
f- Min. dumping clearance	3.22	2.77	2.18
g- Max. vertical wall digging depth	6.68	7.12	7.5
h- Min. swing radius	5.27	5.14	5.20
I- Horizontal digging stroke at ground level	5.21	6.10	7.07
j- Digging depth for 2.4 m (8') flat bottom	7.21	7.67	8.27
Bucket capacity ISO heaped m^3	2.1	1.9	1.6

Digging Force (ISO 6015)

Unit: kN

Arm length	Short 3.0 m	Standard 3.45 m	Long 4.04 m
Bucket digging force	266 291*	267 292*	264 289*
Arm crowding force	223 244*	203 222*	181 197*

*Power Boost engaged.



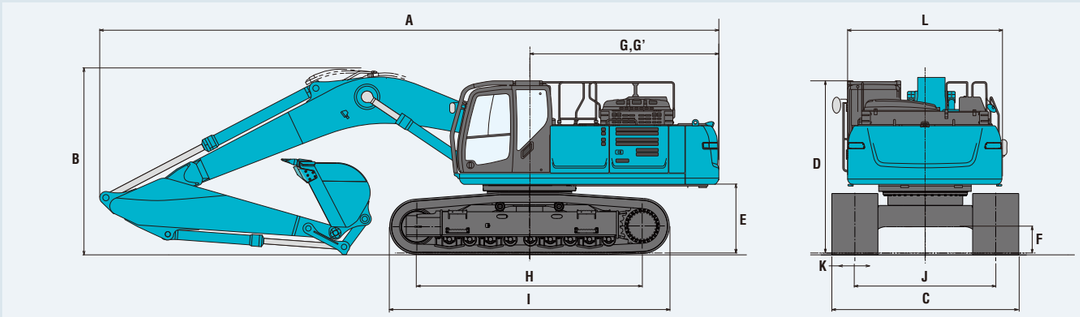
Dimensions

Arm length			Short 3.0 m	Standard 3.45 m	Long 4.04 m
A	Overall length		12,100	12,060	12,090
B	Overall height (to top of boom)		3,750	3,610	3,720
C	Overall width of crawler	Rigid type	3,350*^{2}/(3,580)		
		MVLC type	2,990*^{3}/3,490*^{2}(3,620)		
D	Overall height (to top of cab)		3,370		
E	Ground clearance of rear end		1,340*		
F	Ground clearance		510*		
G	Tail swing radius		3,700		

Unit: mm

G'	Distance from center of swing to rear end		3,700
H	Tumbler distance	Rigid type	4,400
		MVLC type	4,400
I	Overall length of crawler	Rigid type	5,450
		MVLC type	5,450
J	Track gauge	Rigid type	2,750
		MVLC type	2,390*^{3}/2,890
K	Shoe width		600
L	Overall width of upperstructure		2,980

*Without including height of shoe lug *^{2}Without step *^{3}For transportation Fig. in( ): With step

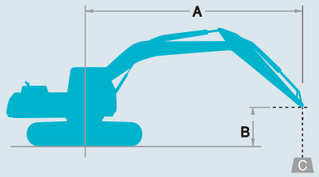


Operating Weight & Ground Pressure

In standard trim, with standard boom, 3.45 m arm, and 1.9 m^3 ISO heaped bucket

Shaped			Triple grouser shoes (even height)		
Shoe width		mm	600	800	900
Overall width of crawler	Rigid type	mm	3,350	3,550	3,650
	MVLC type	mm	3,490	—	—
Ground pressure	Rigid type	kPa	83	64	58
	MVLC type	kPa	85	—	—
Operating weight	Rigid type	kg	48,400	49,900	50,500
	MVLC type	kg	49,500	—	—

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: 34.3 MPa (350 kgf/cm²)

Undercarriage: Rigid type

SK500LC	Boom: 7.0 m Arm: 3.45 m, Bucket: without Shoe: 600 mm													
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										*10,360	*10,360	7.76 m	
7.5 m	kg										*10,100	8,600	8.86 m	
6.0 m	kg							*10,700	*10,700	*10,180	8,310	*9,910	7,430	9.59 m
4.5 m	kg			*18,090	*18,090	*13,860	*13,860	*11,790	10,700	*10,670	8,090	*10,010	6,750	10.04 m
3.0 m	kg			*22,850	20,940	*16,170	13,970	*13,060	10,190	*11,350	7,810	10,210	6,390	10.26 m
1.5 m	kg			*14,810	*14,810	*18,060	13,210	*14,210	9,740	*12,000	7,560	10,090	6,270	10.25 m
G.L.	kg			*18,100	*18,100	*19,130	12,780	*14,990	9,440	12,020	7,380	10,340	6,400	10.01 m
-1.5 m	kg	*13,070	*13,070	*25,700	19,330	*19,300	12,620	*15,200	9,300	11,950	7,320	11,060	6,820	9.53 m
-3.0 m	kg	*22,260	*22,260	*24,230	19,560	*18,520	12,690	*14,610	9,350			*11,860	7,690	8.76 m
-4.5 m	kg	*28,240	*28,240	*21,230	20,020	*16,420	13,000	*12,430	9,660			*12,040	9,470	7.62 m

Undercarriage: MVLC type

SK500LC	Boom: 7.0 m Arm: 3.45 m, Bucket: without Shoe: 600 mm													
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										*10,330	*10,330	7.87 m	
7.5 m	kg										*10,080	9,060	8.93 m	
6.0 m	kg							*10,770	*10,770	*10,210	8,860	*9,910	7,870	9.63 m
4.5 m	kg			*18,480	*18,480	*14,040	*14,040	*11,890	11,400	*10,720	8,630	*10,020	7,190	10.07 m
3.0 m	kg			*21,470	*21,470	*16,340	14,930	*13,160	10,880	*11,410	8,350	*10,400	6,840	10.27 m
1.5 m	kg			*14,840	*14,840	*18,180	14,190	*14,290	10,440	*12,050	8,100	10,350	6,740	10.24 m
G.L.	kg			*18,570	*18,570	*19,180	13,770	*15,030	10,140	12,310	7,930	10,650	6,910	9.98 m
-1.5 m	kg	*13,750	*13,750	*25,750	21,020	*19,270	13,630	*15,180	10,020	12,260	7,880	11,430	7,390	9.48 m
-3.0 m	kg	*23,070	*23,070	*24,050	21,270	*18,410	13,720	*14,510	10,090			*11,890	8,370	8.69 m
-4.5 m	kg	*27,750	*27,750	*20,910	*20,910	*16,170	14,060	*12,100	10,440			*12,040	10,410	7.51 m

Undercarriage: Rigid type

SK500LC	Boom: 7.0 m Arm: 4.04 m, Bucket: without Shoe: 600 mm																	
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														*8,780	*8,780	8.47 m	
7.5 m	kg										*9,140	8,510			*8,340	7,710	9.48 m	
6.0 m	kg										*9,360	8,380			*8,200	6,730	10.17 m	
4.5 m	kg									*10,930	10,800	*9,960	8,110	*9,120	6,270	*8,270	6,150	10.60 m
3.0 m	kg					*20,780	*20,780	*15,050	14,150	*12,280	10,240	*10,720	7,800	*9,830	6,120	*8,540	5,830	10.80 m
1.5 m	kg				*6,640	*6,640	*19,930	*19,930	*17,170	13,280	*13,560	9,730	*11,490	7,500	9,660	5,970	*9,020	5,720	10.79 m
G.L.	kg			*6,640	*6,640	*19,670	19,220	*18,570	12,710	*14,520	9,350	11,920	7,270	9,550	5,860	9,460	5,810	10.57 m
-1.5 m	kg	*8,720	*8,720	*12,760	*12,760	*24,730	19,040	*19,100	12,450	*14,970	9,150	11,780	7,150			10,030	6,140	10.11 m
-3.0 m	kg	*14,960	*14,960	*19,880	*19,880	*24,920	19,160	*18,730	12,430	*14,740	9,120	11,820	7,180			*11,070	6,820	9.39 m
-4.5 m	kg			*29,290	*29,290	*22,550	19,530	*17,230	12,640	*13,420	9,300					*11,380	8,140	8.35 m
-6.0 m	kg					*18,150	*18,150	*13,720	13,170							*11,330	11,120	6.81 m

Undercarriage: MVLC type

SK500LC	Boom: 7.0 m Arm: 4.04 m, Bucket: without Shoe: 600 mm																	
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														*8,730	*8,730	8.57 m	
7.5 m	kg										*9,140	9,080			*8,320	8,140	9.55 m	
6.0 m	kg										*9,400	8,930			*8,200	7,150	10.21 m	
4.5 m	kg							*12,830	*12,830	*11,030	*11,030	*10,010	8,660	*9,320	6,710	*8,280	6,570	10.62 m
3.0 m	kg								*21,130	*21,130	*15,230	15,110	*12,390	10,930	*10,790	8,340	*9,860	6,570	*8,570	6,260	10.81 m
1.5 m	kg							*19,560	*19,560	*17,310	14,240	*13,650	10,420	*11,540	8,040	9,900	6,410	*9,070	6,160	10.78 m
G.L.	kg				*7,110	*7,110	*19,930	*19,930	*18,640	13,700	*14,580	10,050	*12,100	7,820	9,790	6,320	9,740	6,280	10.54 m
-1.5 m	kg	*9,220	*9,220	*13,270	*13,270	*25,280	20,710	*19,110	13,450	*14,980	9,860	12,080	7,710			10,350	6,660	10.07 m
-3.0 m	kg	*15,470	*15,470	*20,510	*20,510	*24,780	20,860	*18,660	13,450	*14,690	9,850	*11,750	7,750			*11,100	7,420	9.33 m
-4.5 m	kg			*30,200	*30,200	*22,290	21,260	*17,050	13,690	*13,240	10,050					*11,400	8,920	8.25 m
-6.0 m	kg					*17,670	*17,670	*13,280	*13,280							*11,290	*11,290	6.66 m

Undercarriage: Rigid type

SK500LC	Boom: 7.0 m Arm: 3.0 m, Bucket: without Shoe: 600 mm												
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										*11,330	*11,330	7.36 m
7.5 m	kg							*10,830	*10,830			*10,980	9,110	8.51 m
6.0 m	kg							*11,380	11,080	*10,850	8,250	*10,900	7,820	9.27 m
4.5 m	kg			*19,740	*19,740	*14,730	*14,730	*12,410	10,630	*11,120	8,070	*10,970	7,090	9.74 m
3.0 m	kg					*16,950	13,830	*13,600	10,160	*11,800	7,830	10,710	6,720	9.96 m
1.5 m	kg					*18,640	13,170	*14,640	9,760	12,260	7,610	10,600	6,620	9.95 m
G.L.	kg			*13,630	*13,630	*19,430	12,830	*15,260	9,500	12,100	7,470	10,910	6,780	9.70 m
-1.5 m	kg	*10,260	*10,260	*23,830	19,570	*19,310	12,750	*15,260	9,420	12,100	7,470	11,750	7,280	9.20 m
-3.0 m	kg	*22,210	*22,210	*23,450	19,850	*18,190	12,890	*14,320	9,530			*12,050	8,310	8.41 m
-4.5 m	kg	*25,550	*25,550	*19,920	*19,920	*15,500	13,270					*11,840	10,470	7.21 m

Undercarriage: MVLC type

SK500LC	Boom: 7.0 m Arm: 3.0 m, Bucket: without Shoe: 600 mm												
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										*11,290	*11,290	7.47 m
7.5 m	kg							*10,850	*10,850			*10,970	9,590	8.58 m
6.0 m	kg							*11,440	*11,440	*10,860	8,810	*10,900	8,280	9.32 m
4.5 m	kg			*20,150	*20,150	*14,910	*14,910	*12,500	11,330	*11,250	8,620	*10,980	7,550	9.76 m
3.0 m	kg					*17,110	14,800	*13,690	10,850	*11,840	8,370	10,950	7,190	9.97 m
1.5 m	kg					*18,730	14,150	*14,700	10,450	*12,390	8,150	10,880	7,110	9.94 m
G.L.	kg			*14,310	*14,310	*19,450	13,830	*15,280	10,210	12,400	8,020	11,230	7,310	9.67 m
-1.5 m	kg	*11,200	*11,200	*24,810	21,270	*19,260	13,770	*15,230	10,140	*12,250	8,040	*11,910	7,880	9.15 m
-3.0 m	kg	*23,240	*23,240	*23,240	21,570	*18,040	13,920	*14,190	10,270			*12,050	9,040	8.33 m
-4.5 m	kg			*19,550	*19,550	*15,180	14,340					*11,790	11,520	7.10 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.