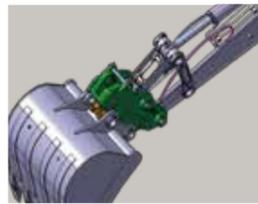


Piping for Quick Hitch



A single quick hitch hydraulic line, which speeds up attachment changes, is fitted as standard.

Double Grouser Shoe (optional)



Double grouser shoes are available as an option.

KOMEXS

KOMEXS allows you to use the Internet to manage information from your office for machines operating in all areas. This provides a wide range of support for your business operations.



SPECIFICATIONS

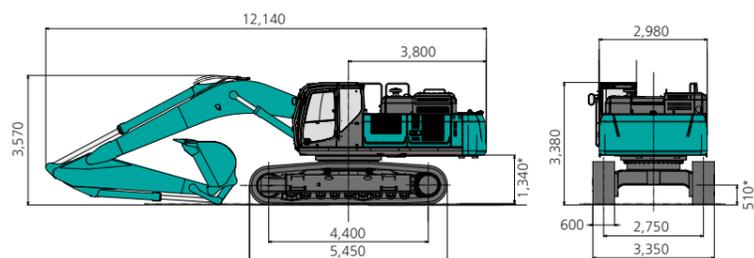
MODEL	SK500LC	
Type	SK500LC-10	
PERFORMANCE		
Bucket Capacity (ISO heaped)	m ³	1.9
Swing Speed	min ⁻¹	7.6
Travel Speed (high/low)	km/h	5.4/3.4
Gradeability	% (degree)	70 (35)
Bucket Digging Force	kN	267/292*
Arm Crowding Force	kN	203/222*
Drawbar Pulling Force	kN	415
WEIGHT		
Operating Weight	kg	49,900
Ground Pressure	kPa	86
Shoe Width	mm	600
ENGINE		
Model	P11C-VN	
Type	Direct injection, water-cooled, 4-cycle, 6-cylinder diesel engine with intercooler turbo-charger (Stage IV-compliant engine)	
Power Output (ISO 9249)	kW/min ⁻¹	271/1,850
(ISO 14396)	kW/min ⁻¹	
Max. Torque (ISO 9249)	N·m/min ⁻¹	1,470/1,400
(ISO 14396)	N·m/min ⁻¹	
Displacement	L	10.52
Fuel Tank	L	638
DEF/AdBlue Tank	L	83
HYDRAULIC SYSTEM		
Pump	Two variable displacement pumps + One gear pump	
Max. Discharge Flow	L/min	370 x 2, 63.5 x 1
Relief Valve Setting (main)/Power Boost	MPa	31.4/(34.3)
Swing Motor	Axial piston motor	
Travel Motors	2 x axial-piston, two-step motors	
Hydraulic Oil Tank (system)	L	370.8 (631)

*Power Boost engaged

DIMENSIONS

*Without including height of shoe lug

Unit: mm

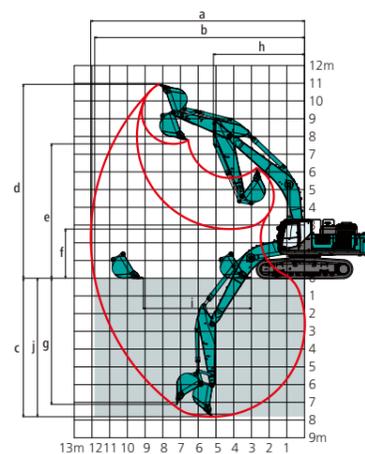


WORKING RANGES

Unit: m

MODEL	SK500LC
Arm length	3.45 m
a- Max. digging reach	12.07
b- Max. digging reach at ground level	11.84
c- Max. digging depth	7.81
d- Max. digging height	10.93
e- Max. dumping clearance	7.58
f- Min. dumping clearance	2.77
g- Max. vertical wall digging depth	7.12
h- Min. swing radius	5.14
i- Horizontal digging stroke at ground level	6.10
j- Digging depth for 8' (2.4 m) flat bottom	7.67
Bucket capacity (ISO heaped)	1.9 m ³

*Not including shoe lug.



KOBELCO

SK500_{LC}



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. 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 catalog may be reproduced in any manner without notice.

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We Save You Fuel
Achieving a Low-Carbon Society

Power Meets Efficiency

To urban centers, and to mines around the world. Kobelco's all-out innovation brings you durable earth-friendly construction machinery that's equal to any task, at sites all over the planet.

Increased power and even greater fuel economy bring higher efficiency to any project.

Kobelco SK500LC machines are also more durable than ever, able to withstand the rigors of the toughest job sites.

It all adds up to new levels of value that are a step ahead of the times.

While focusing on the global environment of the future, Kobelco offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers the world over.

Increase in Durability
thereby
"power"

Built to operate in tough working environment

Increased filtering capacity for hydraulic oil **NEW**

Two filters installed for returning hydraulic oil, to curb clogging and increase the durability and reliability of the hydraulic equipment.

Filtering capacity 1.8 times greater than previous model (Generation-9)



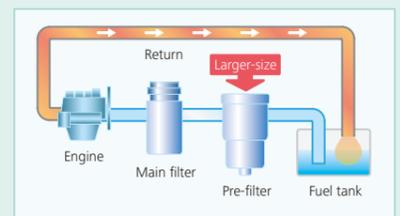
Pump drain filter **NEW**

Newly installed pump drain filter boosts pump reliability.



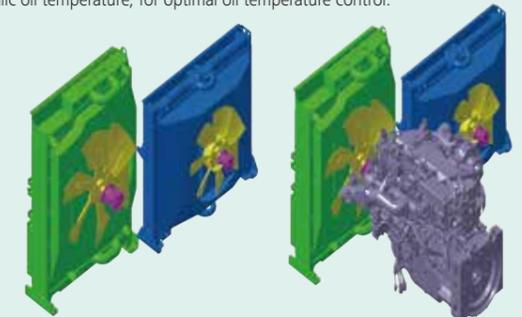
Fuel filter **NEW**

Pre-filter with built-in water-separator has 1.6 times more filter area compared to previous models, with a new final stage to maximize filtering performance.



Hydraulic drive for engine cooling fan; independent oil cooler fan **NEW**

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



10%
Higher fuel efficiency
further
"Efficiency"

Compared to S-mo-moed on previous models

Improved fuel efficiency contributes to high performance

Improved excavating load Digging Volume

This excavator offers dynamic digging force even as it minimizes fuel consumption rates, achieving class-leading work volume. H-mode, sometimes with an increased torque setting, delivers about 13% greater digging volume.

■ Digging volume/hour (Compared to H-mode on previous models)

↑ About **13%** increase

■ Max. Bucket Digging Force
Normal: **267kN**
With power boost: **292kN**

■ Max. Arm Crowding Force
Normal: **203kN**
With power boost: **222kN**

In pursuit of improved fuel efficiency

ECO/S-modes further reduce fuel consumption Operation Mode

Fuel consumption is lower in ECO-mode/S-mode in comparison with the previous model (Generation 9).

■ Compared to previous models

E ECO-mode... About **6%** improvement

Always and Forever. Yesterday, Today, and Tomorrow. Obsessed with Fuel Efficiency.

Over the past 10 years, Kobelco has achieved an average reduction of about 36% in fuel consumption. And we vow to continue to lead in fuel efficiency.

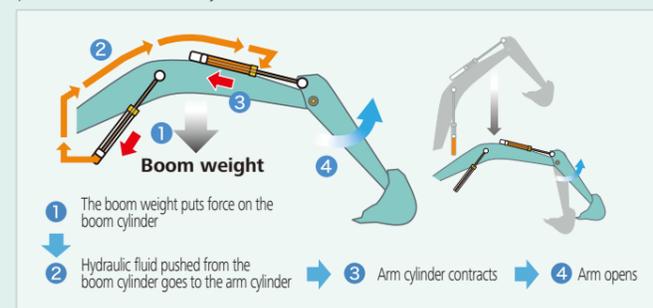
■ Compared to SK480LC-6 model (2006)

E ECO-mode (SK500LC-10)... About **36%** improvement

Hydraulic System: Revolutionary Technology Saves Fuel

Advanced technology improves hydraulic efficiency Arm Interflow System **NEW**

When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the arm. This greatly reduces the need to apply power from outside the system.



Conforms to 2014 Stage IV Exhaust Emission Standards

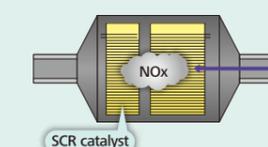
SCR*1 System with DEF/AdBlue **NEW**

The engine exhaust system has a SCR system that converts NOx*2 emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disposes of PM*3, the SK500LC has a much cleaner exhaust that meets 2014 Stage IV exhaust emission standards.

*1. SCR: Selective Catalytic Reduction *2. NOx: Nitrogen Oxide *3. PM: Particulate Matter

■ NOx reduction rate (Compared to previous models)

About **80%** decrease



Diesel exhaust fluid tank