

SHORT REACH SPECIFICATION

ACERA GEOSPEC SK75SR

A new, 7-ton fuel-efficient excavator designed for underground work

Underground worksites are often small, tightly confined spaces containing many beams, poles and other obstructions. This places enormous limitations on working. Hydraulic excavators used on these sites need to dig and swing efficiently, and be specially designed for underground work.

KOBELCO has launched a new SK75SR with short-reach specifications. In addition to the merits of the standard model, which is renowned for its low fuel consumption, this excavator has special features of real value on underground sites.

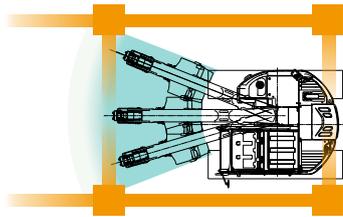
KOBELCO has designed an excavator for underground work that overcomes site limitations.

Max. 27% cut in fuel consumption

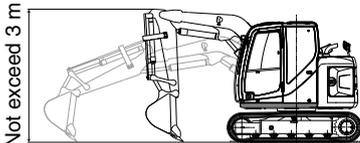
Fuel consumption reduced by approx. 6% in H mode and 12% in S mode compared with previous models. In the new-feature ECO mode, up to 27% lower (compared with S mode in previous models).

Practical working ranges for underground work

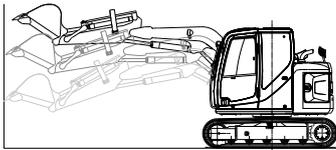
Attachment designed to avoid working limitations caused by underground foundations, poles etc.



Surface digging work possible over wide area



Boom top does not exceed 3 m height during leveling work



Vertical scratching smoother with large bucket elevating angle

Large, 0.4 m³ bucket installed as standard

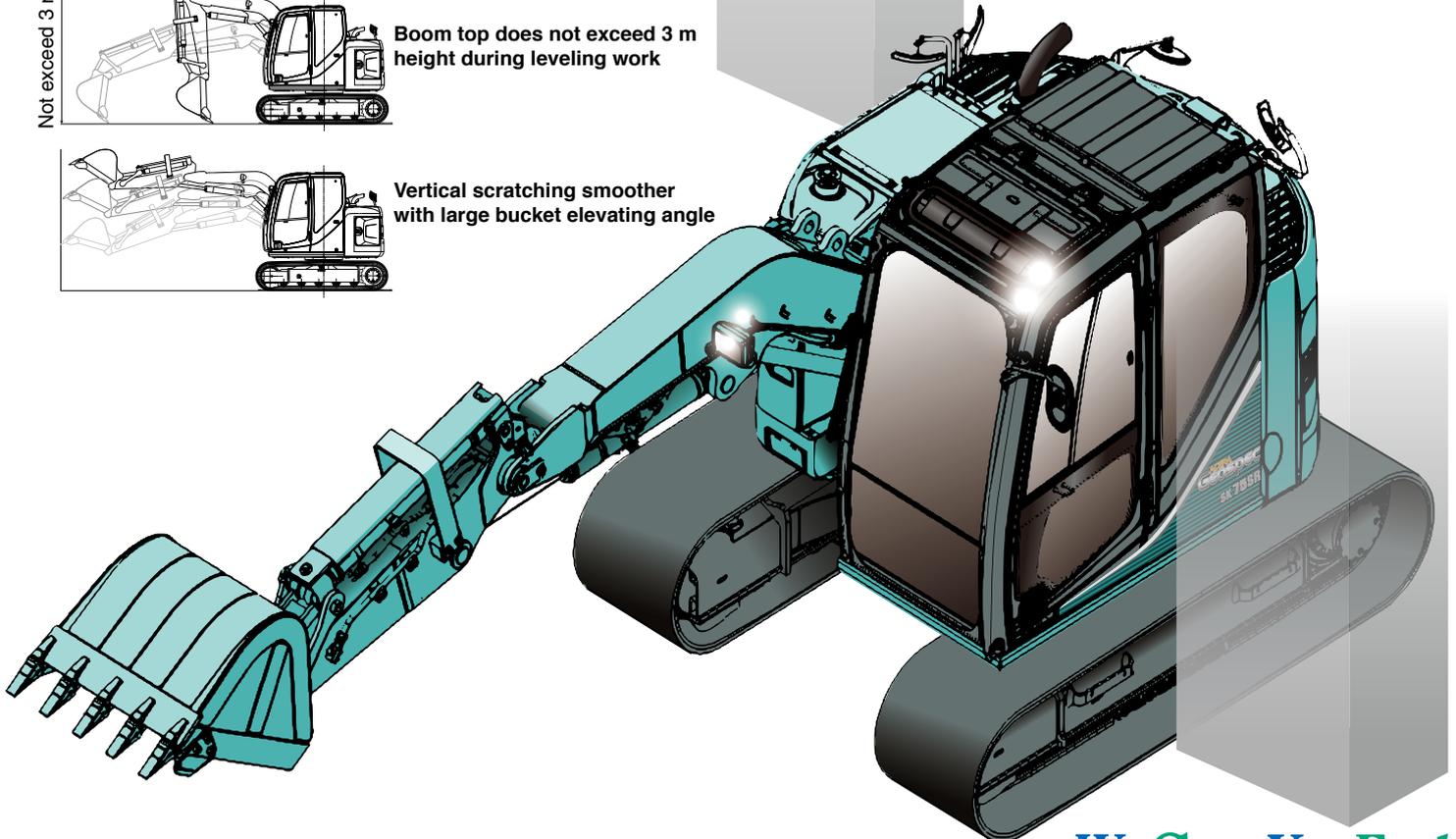
The 0.4 m³ capacity bucket, usually matched with machines one class higher, works fast while maintaining the dynamic stability of a short-reach machine.

Specialized attachment avoids dangers from contact

To avoid danger from contact with top of boom, arm cylinder and hydraulic piping are housed on under side of boom. Bucket cylinder guard fitted to arm, and piping housed on left side to be visible from cab.

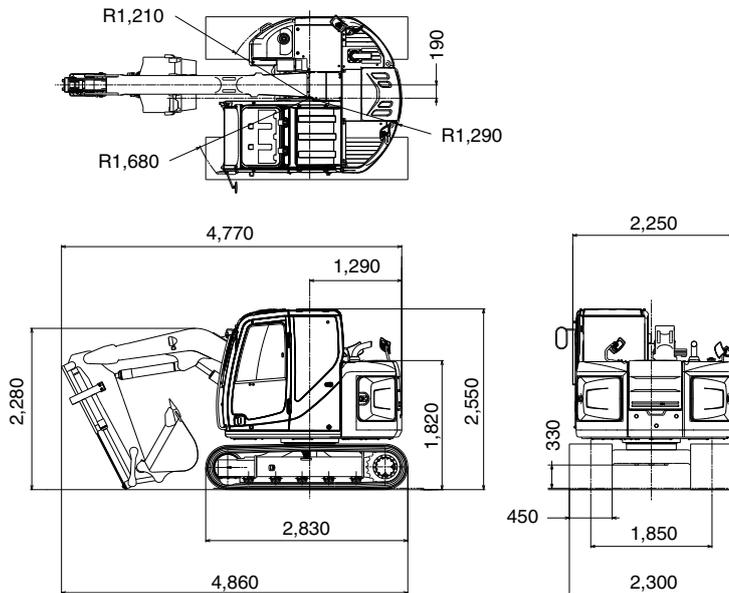
iNDR gives advanced dust control

KOBELCO's unique iNDR engine cooling system prevents any drop in the performance of the cooling equipment by blocking dust particles with a special iNDR filter. It has proved to be highly reliable and reduces the need for maintenance and cleaning.



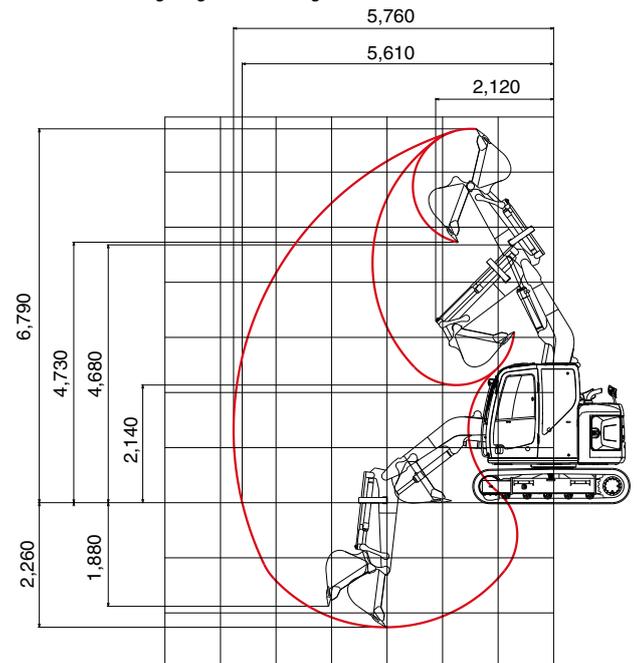
DIMENSIONS (Unit: mm)

*without including height of shoe lug.



WORKING RANGES (Unit: mm)

*without including height of shoe lug.



SPECIFICATIONS

Model	SK75SR SHORT REACH SPECIFICATION	
Base Machine	SK75SR	
PERFORMANCE		
Bucket Capacity ISO heaped	m ³	0.4
Travel Speed	km/h	1 st 2.6/2 nd 5.3
Swing Speed	min ⁻¹ {rpm}	11.5 {11.5}
Gradeability	% (degree)	70 (35)
Drawbar Pulling Force	kN {kgf}	76.8 {7,830}
Bucket Digging Force	kN {kgf}	52.8 {5,380}
Arm Crowding Force	kN {kgf}	24.8 {2,530}
WEIGHT		
Operating Weight	kg	6,840
Ground Pressure	kPa {kgf/cm ² }	30.7 {0.31}
ENGINE		
Make	ISUZU	
Model	AU-4LE2XCUA	
Type	Direct injection, water-cooled, 4-cylinder 4-cycle, diesel engine, with turbocharger, intercooler	
Power Output	kW/min ⁻¹ {PS/rpm}	41/2,200 {57/2,200}
Fuel Tank	L	120
HYDRAULIC SYSTEM		
Pumps	Two variable displacement pumps + one gear pump	
Relief Valve Setting	Mpa {kgf/cm ² }	29.4 {300}
Swing Motor	Axial piston motor	
Travel Motor	2 x axial piston, two step motors	
Hydraulic Oil Tank (System)	L	36 (85)

STANDARD EQUIPMENT

ATTACHMENT

- Wide bucket
- Short reach arm
- Short reach boom

HYDRAULIC

- Short-reach dedicated piping

CRAWLERS

- 450 mm Triple grouser shoes

CAB

- ROPS cab

LIGHTS

- Four working lights (boom, upper carriage right)
- Cab additional lights (two lights)

OPTIONAL EQUIPMENT

- Additional hydraulic circuit
- 600 mm wide range of shoes
- Track frame undercover
- Cab front guard (full)

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.

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