

■SPECIFICATIONS

Model		SK75SR Offset Boom Specification				
Performance						
Duelset Conseils	ISO heaped m ³	0.28				
Bucket Capacity	Struck m ³	0.21				
Swing Speed	min-1 {rpm}	11.5				
Travel Speed	km/h	5.3/2.6				
Gradeability	% {°}	70 (35)				
Bucket Digging Force	kN {kgf}	52.5 {5,300}				
Arm Crowding Force	kN {kgf}	40 (4,080)				
Drawbar Pulling Force	e kN {kgf}	76.8 (7,830) (ISO 7464)				
Weight						
Operating Weight	kg	8,350				
Ground Pressure	kPa (kgf/cm²)	37.5 (0.38)				
Shoe Width	mm	450				
Engine						
Model		ISUZU 4LE2XCUA				
Type		Direct injection, water cooled, 4-cycle, 4 cylinder diesel engine with turboccharger, intercooler				
Rated Power Output		42 kW/2,200 rpm (ISO14396:2002)				
nateu i owei output		41 kW/2,200 rpm (ISO9249:2007)				
Max. Torque		211 N-m/1,600 min ⁻¹ (IS014396:2002)				
·		210 N·m/1,600 min ⁻¹ (ISO9249:2007)				
Fuel Tank	L	120				
Dozer Blade						
Width x Height	mm	2,300 x 460				
Working Range (Heig		360/250				
Side Digging Mechai	nism					
Type		Boom offset				
Offset Volume	To the left mm	1,030				
	To the right mm	1,340				
Hydraulic System						
Pump		Two variable displaceemnt pump + one gear pump				
Max. Discharge Flow		2 x 66, 1 x 18				
Relief Valve Setting	MPa	29.4				
Swing Motor		Axial piston motor				
Travel Motors		2 x axial piston, two-step motor				
Hydraulic Oil Tank		85: System (36Tank level)				

■STANDARD EQUIPMENT

- Engine, ISUZU AU-4LE2XCUA engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x12V 64 Ah)
- Starting motor (24 V- 3.2 kW), 30 A alternator

 Automatic engine shut-down for low engine oil pressure
- Double element air cleaner

■ Working mode selector (H-mode, S-mode and ECO-mode)

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Two-speed travel with automatic shift down ■ Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake ■ Dozer blade

MIRRORS & LIGHTS

- Two front working lights (boom, guard)

■OPTIONAL EQUIPMENT

- Wide range of bucket Various optional arms Wide range of shoes Boom safety valve

- Front-guard protective structure (may interfere with bucket action) Additional hydraulic circuit
 Additional counterweight (+300 kg) Add-on type counterweight (+400 kg)
 Cab additional lightb■ Control pattern charger (2 way, 4 way) N&B piping, N&B selector
 Step extension Additional center track guide Belly pan guard Rain visor (may interfere with bucket action) Skylight

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. 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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quiries To:

CAB & CONTROL

■ Two control levers, pilot-operated
■ Horn, electric

■ Integrated left-right slide-type control box

■ Ashtray

■ Cigarette lighter■ Cab light (interior)

■ Coat hook ■ Large cup holder

■ Detachable two-piece floor mat

7-way adjustable suspension seat

Retractable seatbelt

■ Headrest

Arm rest

Handrails

Heater and defroster

■ Intermittent windshield wiper with double-spray washer

■ Tinted safety glass

■ Pull-type front window and removable lower front window

■ Easy-to-read multi-display monitor

■ Automatic air conditioner

■ Emergency escape hammer

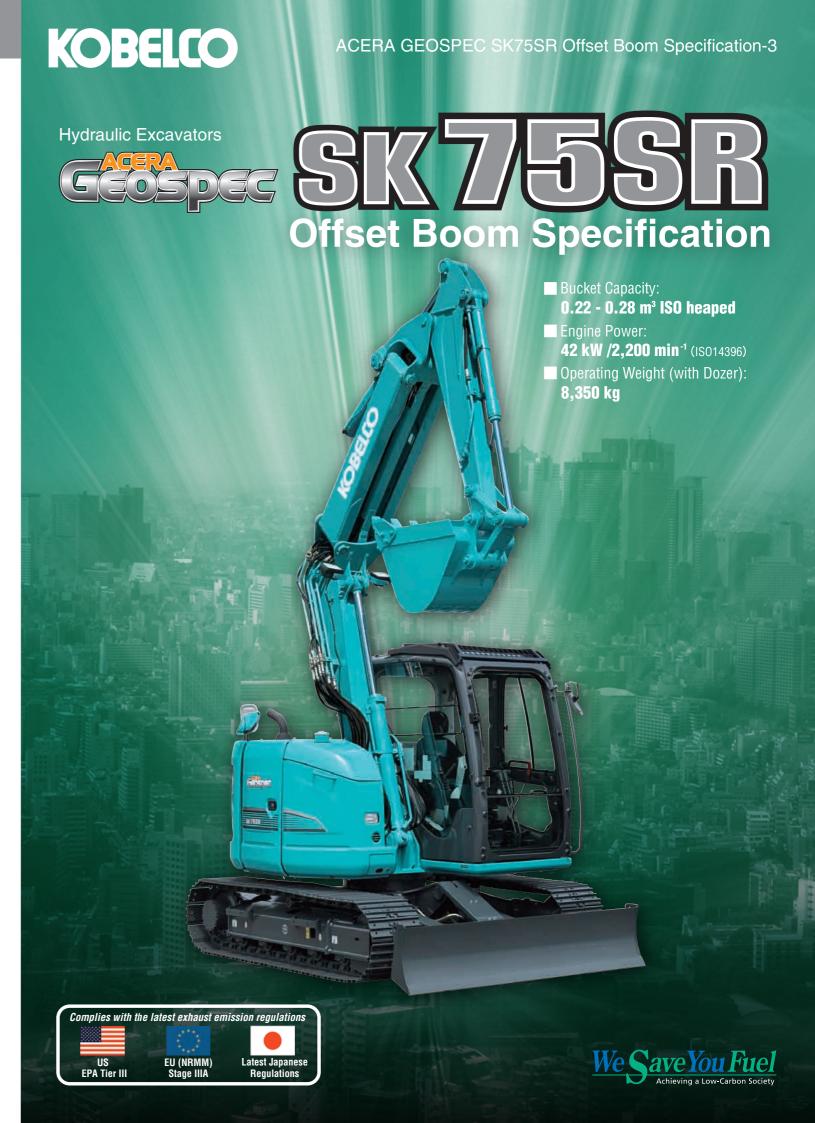
■ Radio, AM/FM Stereo with speaker

■ Travel alarm

■ Heightrizer for control box

■ Level indicator

Bulletin No. ACERA GEOSPEC SK75SR-101 20120103000 Printed in Japan



Fuel Consumption Gives You The Competitive Edge

KOBELCO's SR hydraulic excavator has seen a new evolution.

iNDr

Fast, Accurate and Low Cost Maintenance

■ Comfort and Safety Support Smooth Operation

KOBELCO has installed its full range of fuel-saving technologies in this SR model, resulting in unmatched low fuel consumption that heads the class in engine-driven hydraulic excavators.

In its offset boom configuration, the SK75SR couples its tiny rear swing radius with an offset boom function that allows it to operate with even greater efficiently in extremely limited work area.

This makes it the ideal choice for civil engineering projects, sidewall digging, and the ditch excavation in urban environments where space is at a premium.





Superb Cost Performance

Fuel Consumption and Work Volume

The new hydraulic system and an additional ECO-mode have cut fuel consumption by up to 27%.

H-mode (vs previous SK70SR in H-mode)

Fuel consumption (L/h)

6 % decrease

Work volume per liter of fuel (m3/L)

6 % increase

S-mode (vs previous SK70SR in H-mode)

Fuel consumption (L/h)

13 % decrease

Work volume per liter of fuel (m³/L)

▲ 15 % increase

ECO-mode (vs previous SK70SR in S-mode)

Great leap forward in energy-saving performance

Fuel consumption (L/h)

27 % decrease

Work volume per liter of fuel (m3/L)

▲▲ 31 % increase



ECO-mode

Work modes for a close 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.

Significant Extension of Continuous Working Hours

The combination of a largecapacity fuel tank and excellent fuel efficiency delivers an impressive increase in the length of continuous working.



NEXT-3E Technology New Hydraulic System

KOBELCO's hydraulic circuit analysis is combined with the use of new, high-efficiency pumps in a three-pump electro-hydraulic actuator control system that replaces the conventional mechanical system. It all adds up to a hydraulic system that delivers the best outcome: top-class work performance on less fuel.



NEXT-3E Technology High Reliable Engine

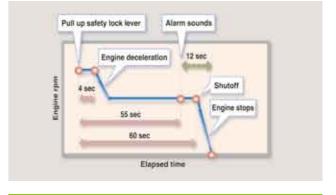
The engine is a PFR-pump fuel injection engine for high reliability.



NEXT-3E Technology Total Tuning Through Advanced ITCS Control

Auto Idle Stop Provided as Standard Equipment

This function saves fuel and cut emissions by shutting down the engine automatically when the machine is on stand by. It also stops the hourmeter, which helps to retain the machine's asset value.



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 the previous speed when the lever is moved out of neutral.

OSPEC Acera Geospec

Efficient Performance!

Top-Class Powerful Digging

For more efficient work performance.

40.0 kN {4.0 tf} Max. arm crowding force: 52.5 kN {5.4 tf} Max. bucket digging force:

Powerful Travel, Powerful Steering

A new type of travel motor boosts travel torque by 6%, and lighter machine weight improves steering performance by 10% over the previous model, for better maneuverability and crisper turns.

6% increase Travel torque:

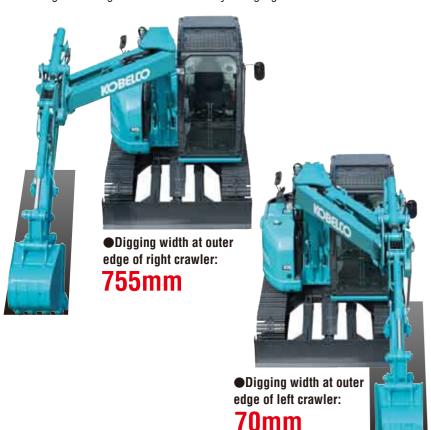
76.8 kN {7.8 tf} Drawbar pulling force:

Dozer Simultaneous Operations

With separate pumps for travel motor and dozer means there's no hydraulic interference when traveling at top speed. Dozer operation is fast, rugged and stress-free.

Offset Boom

The press-constructed boom is both lightweight and slender for smooth operation, with hydraulic piping fitted inside the cylinders to protect it from damage. The large offset makes it easy to dig right next to the walls.



Compact Working Range

Rear overhang when swinging is just 125 mm, with a maximum tail overhang of only 490 mm in the forward left cab corner. With such a small working radius, the SK75SR

Offset Boom Specification is ideal for continuous digging. swinging, and loading in tight spaces.

•Min. working width (180°): 2,970mm



*Photo is the optional specs with FOPS quard

Work Range Limiter

This feature prevents damage to wall, beams and buried structures by limiting the depth, height, and left-handed offset value reached by the attachment. It both prevents unwanted contact with external objects and facilitates side-wall digging and other repetitive operations.



●To operator can set operational limitations and positional information for the bucket when engaged in side-wall digging.

iNDr

Ultimate Low Noise

KOBELCO's exclusive iNDr Cooling System delivers amazingly quiet operation. In fact the SK75SR is 5 dB quieter than the value designated by the Japanese governments requirement for ultra-low-noise machinery.



"Ultimate"-Low Noise Level of 93dB(A)



The iNDr revolution



KOBELCO has developed the revolutionary integrated Noise and Dust Reduction Cooling System, with the engine compartment placed inside a single duct that connects the air intake to the exhaust outlet.



iNDr Means Easy Maintenance

Because the iNDr filter removes dust from the intake air. cooling components stay dirt-free and do not require regular cleaning. The iNDr filter itself can be easily removed and cleaned without the use of tools.





Economy

Fast, Accurate and Low-Cost Maintenance

Comfortable "On the Ground" Maintenance

All of components that require regular maintenance are laid out for easy access. Newly designed, the bonnet opens widely and at lower level.

Left side





Hydraulic pump/Fuel filter,



Right guard

Multi control valve(optional)/

Long-Interval Maintenance

Long-life hydraulic oil reduces cost and

Super-Fine Filter

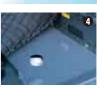
High-performance, super-fine filter has a 1,000 hour replacement cycle.

Fast Maintenance











- Fuel tank equipped with bottom flange and large drain valve Allour meter can be checked while standing on the ground
- @Fasy-access fuse hox
- Washer fluid tank located under the cab floor mat.
- 5 Detachable two-piece floor mat with handles for easy removal.
- ●Internal and external air conditioner filters can be easily removed without tools for
- Special crawler frame designed is easily cleaned of mud.

Meets EMC (Electromagnetic Compatibility) Requirement

Electrical shielding ensured that the machines clear all European standards and neither cause or are affected by electromagnetic interference.



Comfort and Safety Support Smooth Operation

Big Cab

The "Big cab" provides a roomy operating space with plenty of legroom, 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.



*Photo is the optional specs with FOPS quard.

Comfortable Operating Environment







One-touch lock release simplifies opening and closing

Many Safety Features



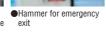








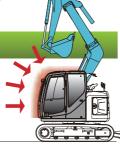
shows degree of machine



- Thermal guard prevents contact with hot components during engine inspections
- ●Hammer for emergency exit

Work Range Limiter

When digging with the boom raised high, this automatic shutdown function prevents the bucket from damaging the cab through a mechanism that brings the attachment to a smooth, gradual stop.



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.



Photo is the optional specs with FOPS quard

- ●Level 2 FOPS Guard (ISSO 10262) is available as option.
- ■To fit vandalism guards, please contact your KOBELCO dealer. (Mounting brackets for vandalism guards)

Design provides equipment protection and peace of mind

Design modifications keep vital equipment protected from damage: Breaker hosing, together with the main hydraulic hoses, is now run inside the boom, the boom angle sensor is fitted within the boom, and more.









Internal hosing

Specifications

■ Working Range

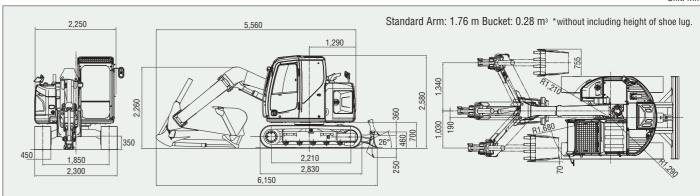
Boom	Offset Boom Specification						
Arm	Standard: 1.76 m			Long: 2.06 m			
Offset	Max. Left	Center	Max. Right	Max. Left	Center	Max. Right	
a- Max. digging reach	6.11	6.48	5.78	6.39	6.75	6.05	
b-Max. digging reach at ground level	5.97	6.34	5.62	6.25	6.62	5.90	
c- Max. digging depth	3.94	4.30	3.60	4.24	4.60	3.90	
d- Max. digging height	7.18	7.50	6.88	7.41	7.73	7.11	
e- Max. dumping clearance	5.11	5.43	4.81	5.34	5.66	5.04	
f- Min. dumping clearance	2.13	2.45	1.83	1.85	2.17	1.55	
g- Max. vertical wall digging depth	3.02	3.37	2.70	3.36	3.71	3.04	
h- Min. swing radius	1.42	1.22	2.04	1.44	1.32	2.04	
i- Horizontal digging stroke at ground leve	3.10	3.08	3.11	3.61	3.59	3.64	
j- Digging depth for 2.4 m (8') flat bottom	3.55	3.92	3.21	3.89	4.26	3.55	
Bucket capacity ISO heaped m ³		0.28		0.22			

Center

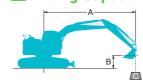
Operating Weight & Ground Pressure

Shaped	Triple grouser shoes (even height)			
Shoe width mm	450	600		
Overall width of crawler mm	2,300	2,450		
Ground pressure kPa {kgf/cm²}	37.5 {0.38}	37.6 (0.38)		
Operating weight kg	8,350	8,380		

Dimensions



Lifting Capacities





Rating over side or 360 degrees

A - Reach from swing centerline to bucket hook

- Left Offset - Right Offset

- B Bucket hook height above/below ground
- C Lifting capacities in kilograms
- · Relief valve setting: 29.4 MPa

SK75SR Offset Boom Specification		Arm: 1.76 m Bucket: 0.28 m³ ISO heaped 210 kg Shoe: 450 mm Add. Counterweight: 1,100 kg						
A		3.0 m		4.5 m		At max. reach		
В		i		i		-		Radius
6.0 m	kg					*2,070	*2,070	2.95 m
4.5 m	kg	*2,100	*2,100	1,630	1,370	1,590	1,340	4.55 m
3.0 m	kg	*2,610	*2,610	1,540	1,290	1,110	920	5.29 m
1.5 m	kg	2,750	2,210	1,370	1,130	930	760	5.55 m
GL	kg	2,400	1,890	1,230	1,000	910	740	5.38 m
-1.5 m	kg	2,340	1,840	1,190	960	1,090	880	4.76 m
-3.0 m	kg	*1,800	*1,800			*1,550	*1,550	3.41 m

- 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. Bucket lift hook is defined as lift point.

- 4. The above lifting capacities are in compliance with SAE J/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.
- 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
- 6. Lift capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.