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.

KOBELCO SK35SR-5



Achieving a Low-Carbon Society

KOBELCO is the corporate mark used by Kobe Steel on a variety of products and in the names of a number of Kobe Steel Group companies.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

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Specialist equipment is needed to use these machines 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. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

Inquiries To:



Fast, Full-Powered Digging and Leveling

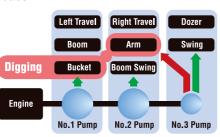
Powerful Digging

SK35SR is built for hard work. Thanks to IFPS (Integrated- Flow Pump System) and a largecapacity engine, the hydraulic flow is more efficient than ever before, with a sensitive responsiveness that reduces cycle times. This combination of tough power and speed greatly increases hourly digging capacity.



Integrated-Flow Pump System (Three Pumps)

The instant the machine begins to dig, extra output from the third pump (which otherwise powers the swing and dozer circuit) is directed to the arm circuit for added power. This ensures fast and smooth arm operation even under heavy loads.

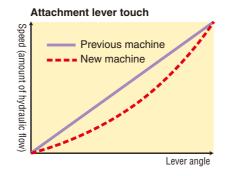


Large-Capacity Engine

The large-capacity engine meets Tier III requirements and packs plenty power for outstanding hydraulic performance.

Smooth, Precise Lever Control

The control valves are carefully adjusted to precisely regulate hydraulic flow when the attachment and other systems begin moving, providing the operator with smooth, pinpoint control.



One Touch Deceleration



One touch deceleration allows easy switching to an idling state, reducing the fuel consumption while the machine is at rest.

Powerful and Efficient Dozer Performance

Dozer operations are an indispensable part of pipe laying, ditch digging, and other jobs that require leveling, compacting and refilling. To meet this need, the SK35SR combine a powerful travel system with a highly efficient dozer blade that moves earth with less waste. The result: more work completed in less time.

New Dozer-Blade Shape

KOBELCO's unique blade design solves this problem by forming the earth into an arc that always falls forward. Because this prevents earth from falling behind the blade, only "one pass" is needed. (Patent pending)





Maximum Approach Angle of 38°

The dozer blade can be raised much higher than before. With a maximum approach angle 38°, it's easy to ride the machine up over mounds of earth, or to load the machine onto a truck for transport.



Optimized Bucket/Blade Positioning

The distance between the bucket and dozer blade has been minimized to make surface sweeping more convenient.



Hydraulic Pilot-Controlled Dozer Operation Lever



The dozer lever features hydraulic pilot control for precise handling.

More Travel Power

Larger-capacity travel motors provide more travel torque resulting in powerful travel

Automatic Two-Speed Travel

An automatic shift function ensures smoother, more efficient travel on the worksite. The large capacity travel torque enables the machine to perform spin turn in low mode even when the dozer is pushing a heavy load.



The travel lever is fitted with a button for easy switching to Hi-Mode travel.

Optional Steel Shoes/Rubber-padded Shoes

The steel shoes have holes that hold specially designed rubber pads to protect the road surface.







Rubber-padded shoes

Excellent Stability

The front crawler idlers have been adjusted to increase the area of contact between the crawler shoes and the ground. This reduces vibration when traveling.

Reduced vibration when traveling



Zero tail Swing and Excellent Side-Ditch Digging

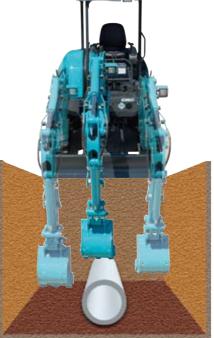
Excellent Safety and Operating Efficiency

The zero tail swing means that the operator doesn't have to worry about the rear of the machine when swinging. He can concentrate instead on the job in front of him, which increases performance efficiency.



Boom Offset Function

The boom offset function makes it possible to do parallel digging without moving the undercarriage, resulting in precise and safe ditch digging and pipe laying operations.



Small Operating Footprint

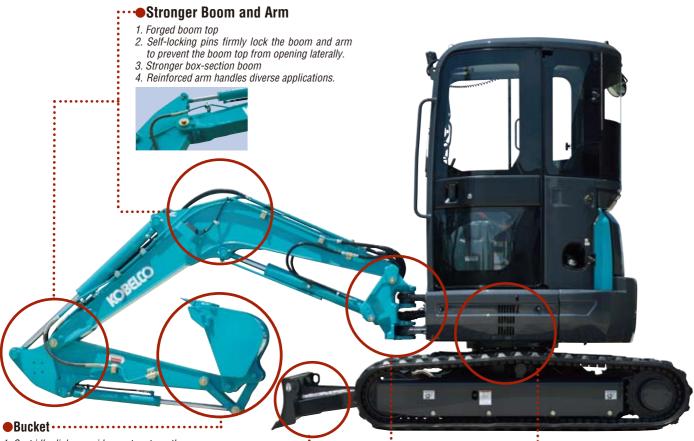
The combination of the side-ditch digging function and zero tail radius makes it easy to dig next to walls, with a compact operating footprint that makes digging, swinging and dumping possible in very limited spaces.



Exceptional Endurance

Highly Reliable Construction

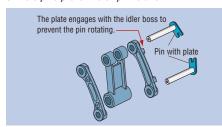
The boom, arm and swing bracket all have large cross-section areas that provide added strength to the attachment. This mechanical strength is complemented by a high-strength power line and enhanced cooling function for even more solid power.



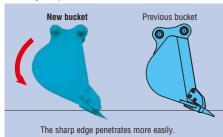
- 1. Cast idler links provide greater strength.
- 2. The bucket's hydraulic piping passes through the arm bracket for added protection.



3. Plate pins prevent idler-pin rotation.



4. Newly shaped bucket



Dozer ---·••Swing Bracket

- 1. Increased torsional strength in
- 2. Dozer's hydraulic piping is easily replaced
- 3. Dozer cylinder cover



1. Large, thick cast-iron

2. Plate-type pin prevents

swing bracket

Reinforced Lower Structure



Outstanding Cooling Performance

The high-performance, high-capacity radiator and oil cooler, coupled with larger engine-oil capacity, deliver a



heat balance that's comparable to a fullsize machine.

Highly Reliable Power Plant

The size of many of the engine components has been increased for improved reliability, including: a large battery, large-capacity radiator, largecapacity oil cooler, and increased starter-motor and alternator capacities.

Large-Size Components

- 1. Breather prevents malfunctions in hydraulic components.
- 2. Large battery and large-capacity radiator
- 3. Large-capacity oil cooler
- 4. Increased starter-motor capacity
- 5. Increased alternator capacity

Easy Maintenance

Easy Daily Maintenance

Start-up checks are essential for safe and reliable machine operation. With SK35SR, all start-up checks can be performed at ground level, with an easy-to-understand layout and cover design that simplify access and reduce check times.



Routine Maintenance

Ground-level start-up checks



1 Hour meter can be checked from the ground.



- Fuel tank can be filled from the ground.
- Resin fuel tank resists rust and is removable for easy



Right cover has small window that makes N&B selection easily.



4 A compartment a cover under the seat provides easy access to electrical components.



Mider opening cover rovides easy access to



6 Air filter can be easily changed.



🌌 🕜 Radiator is



Two-piece floor mats for easy washing.

• The floor plate has no projections, making it easy to wash down and wipe dry.



No tools needed for fuel-tank drain cock.

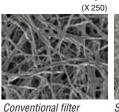


Oil pan for engine oil



Exclusive Super-Fine Filter

This exclusive super-fine filter is environmentally friendly, lasts 1,000 hours, and is easy to replace.

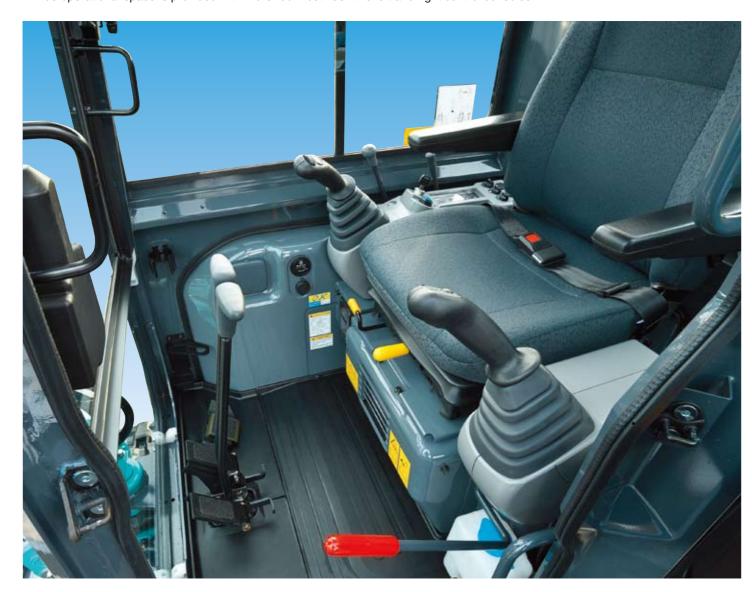


Super fine filter

Comfortable Work Environment

Spacious Work Environment

Broader floor space and a greater sliding range for the seat give operators plenty of foot room. Wide operational space is provided with more room between the left and right control consoles.



Easy Access

A wide-opening door and a left-hand control box with safety lever that rises higher than before, make it much easier for operators to enter and exit the cab.

Wide Cab Entryway

- 1. Wider door opening
- 2. Front-window link does not obstruct cab entryway
- 3. Large, sturdy door handle





The Most Foot Room in Its Class

The seat has ample space for sliding forward and back.

Visibility

Wider front window ensures an open, panoramic view.



Work Lights



Work lights have been added on both sides to provide a clear view during nighttime operations.

Control Lever (Optional)

Precise proportional controls are integrated into the joystick for ease of operation.



SAFETY

Operator Safety

Newly Developed ROPS Cab

Deformed pipe is used in the cab frame to increase rigidity, resulting in a 50% increase in durability and service life.



Exclusive, Newly Designed TOPS/FOPS Canopy

The newly designed three-support TOPS/FOPS canopy ensures easy access, and provides an open view of digging operations when swinging.





Note: Specifications for the cab and canopy differ depending on the region.

Amenities

Levers, instruments, and accourrements have been laid out with a priority placed on ease of use, straightforward access, ergonomic positioning, and clear visibility.



Monitor display panel set at an easy-to-read angle Storage compartment for personal items



Easy-access, easy-turn ignition with rubber boots for protection against moisture and freezing



Cup holder



Easy-access grease-gun holder



Room light, coat hook and safety hammer



Standard arm res



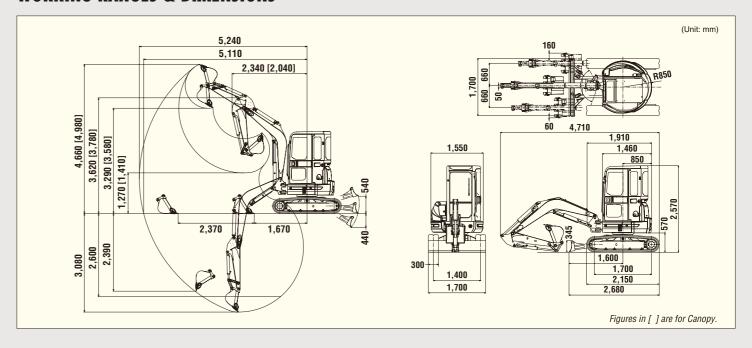
Seat bel

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SPECIFICATIONS

MODEL				SK35SR				
				SK35SR-5				
Турс	Type Cab kg		ka	3,720				
Machine Mass	Canopy	kg kg		3,580				
Bucket Capacity			m ³	0.11				
Bucket Width (with	side cutter)		ım	600				
Arm Length	side cutter)			1.32				
Bucket Digging For				27.4				
Arm Crowding Ford			kN	18.7				
ENGINE	, c		NIV.	10.1				
Model				YANMAR 3TNV88				
				Water cooled, 4-cycle, 3-cylinder, direct injection, diesel engine				
Type	(ISO 9249)	k/M/m	in-1					
Power Output	(ISO 14396)	kW/min ⁻¹		21.2/2,400				
		kW/min ⁻¹		22.5/2,400				
Max. Torque	(ISO 9249)	N-m/m		98.0/1,440				
District	(ISO 14396)	N-m/m	-	99.8/1,440				
Displacement			L	1.642				
Fuel Tank			L	38				
HYDRAULIC SYSTEM								
Pump				Two variable displacement pumps + One gear pump				
	Max. Discharge Flow L/min			2 x 38.4				
Relief Valve Setting		M	Pa	23.0				
Hydraulic Oil Tank	(system)		L	38 (48)				
TRAVEL SYSTEM								
Travel Motors	Travel Motors			2 x axial-piston, two-step motors				
Parking Brake				Oil disc brake per motor				
Travel Speed (high,	/low)	km		4.5/2.5				
Gradeability		% (degre	e)	58 (30)				
Drawbar Pulling Fo	rce	ŀ	ίN	38.1				
CRAWLER								
Shoe mm				Rubber				
Shoe Width		n	nm	300				
Outsid Dustains	Cab	kPa		33.0				
Ground Pressure	Canopy	kPa		32.0				
DOZER BLADE								
Width x Height		n	ım	1,700 x 345				
Working Ranges (h	eight/depth)	m	m	540/440				
SWING SYSTEM								
Swing Motor				Axial piston motor				
Parking Brake				Oil disc brake, hydraulic operated automatically				
Swing Speed min ⁻¹			in ⁻¹	8.9				
Tail Swing Radius mm				850				
Min. Front Swing Radius	Over the front At full	T	nm	2,560				
		_	nm	2,040				
			nm	2,170				
	boom swing	_	ım	1,690				
SIDE DIGGING ME				,				
Type				Boom swing				
Offset Angle	to the left	to the left degree		70				
	to the right degree			60				
	to the right degree		00	00				

WORKING RANGES & DIMENSIONS



LIFTING CAPACITIES



A: Reach from swing centerline to bucket hook B: Bucket hook height above/below ground

C: Lifting capacities in kilograms

Shoe: Rubber shoe Dozer blade: Up Relief valve setting: 23.0 MPa

SK35SR		Arm: 1.32 m, Bucket: 0.11 m³ ISO heaped Rubber shoe: 300 mm							
A 1.0 m		m	2.0 m		3.0 m		4.0 m		
В			;	<u> </u>	-	<u> </u>	;	Ī	
3.0 m	kg							*550	490
2.0 m	kg							550	480
1.0 m	kg			*1,360	1,300	820	710	520	450
G. L.	kg			1,540	1,270	780	670	500	430
-1.0 m -2.0 m	kg	*1,820	*1,820	1,550	1,280	780	660		
-2.0 m	kg	*2,590	*2,590	*1,430	1,32				

- 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. Bucket lift hook 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.
- 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.

OPTIONAL EQUIPMENT

N&B (HCP*) piping	Steel shoe	Rear view mirror
N&B (foot) piping + Rotating N&B (HCP*)	 Bolt-on Pad shoes (for steel shoes) 	Rear under mirror
N&B (HCP*) piping + Rotating N&B (HCP*)	 Add-on counterweight 	 Arm & bucket cylinder cover
• Long arm (1.59 m)	Cooler & heater	

^{*}Hand Control Proportional

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