KOBELCO

CONSTRUCTION MACHINERY LINE-UP

We Save You Fuel
Achieving a Low-Carbon Society

Superb, Uniform Quality

In 1930, Kobe Steel manufactured Japan's first domestically produced electric shovel, followed by Japan's first hydraulic excavator in 1963. Since then, the KOBELCO brand has been associated with groundbreaking construction machinery ranging from civil engineering equipment to machines used in recycling operations.

In developing new products, we always start with actual worksites. What do owners and operators really need in today's market? What are the onsite conditions, and how can we make operations easier, faster, and more efficient? By asking the right questions from the start, we've created an impressive lineup of machines that have won international praise for their excellent performance, fuel efficiency, and whisper-quiet operation.

Around The Globe

We are always prepared to conduct research and development from the customer's perspective. We are continually making advances by further strengthening our ingenious technology we have developed to date as well as effectively using the latest technology such as three-dimensional CAD and structural analysis and basic research.

The way we operate is tailored to customer needs. Those needs are analysed at worksites throughout the world, forming the basis for developmental work at the Production Division and the Product Development Engineering Division and the new plant, including the invention of efficient production technologies. We then transfer the results to our various production centers throughout the world, making it possible for us to quickly and reliably deliver machines featuring unprecedented fuel efficiency, productivity, durability, and advanced technology to customers around the globe.

Hiroshima Headquarters

Itsukaichi Factory in Hiroshima

GENERATION 10

Power Meets Efficiency

From 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 brings higher efficiency to any project. KOBELCO SK Series 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 ahead of the times. Kobelco offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers all over the world.

Low Fuel Consumption and High Performance

The SK200 offers "top-of-class" work volume with powerful digging and low fuel consumption. The H mode increases the amount of dirt shifted by about 7%.

Work volume per hour (Compared with H mode on previous model)
About **7%** increase

Less Fuel Consumed in All Work Modes

Fuel consumption is reduced in all three work modes, saving about 14% compared with S mode on the SK200-8.

•Compared with previous models

E ECO mode
About **23%** improvement

S S mode
About **14%** improvement

H H Mode
About **7%** improvement

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

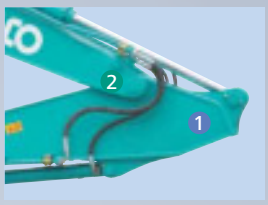
Over the past 10 years, Kobelco has achieved an average of about 38% reduction in fuel consumption. And we vow to continue to lead in fuel efficiency.

•Compared to the SK200-6 (2006)

E ECO mode
About **38%** improvement

* Figures show the values of SK200-10 Tier 4. These values are compared with the SK200-8 model.

Built to Operate in Tough Working Environments



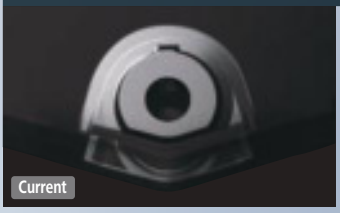
The attachment has been reinforced to handle a higher work volume, with greater power and excellent durability that can withstand demanding work conditions.

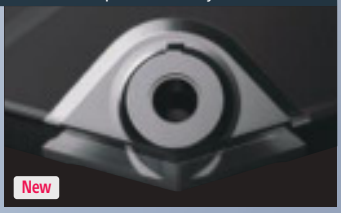
1 Extra Thick Plate Construction

Instead of reinforcement outside, one thick plate is used.

2 Flanged Foot Boss

The single-piece, cast steel foot boss has a flange that distributes maximum stress to improve durability.

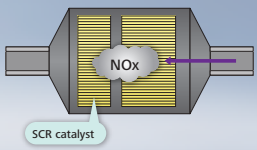




Meets Tier IV final Emission Standards

Selective Catalytic Reduction (SCR) System with Diesel Exhaust Fluid (DEF/Urea)

The engine exhaust system has a selective catalytic reduction (SCR) system that converts NOx emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disposes of particulate matter (PM), the SK series have a much cleaner exhaust that meets Tier IV final emission standards.



* Engines with outputs from 56 kW up to 130kW comply with Tier IV emission standards.
* Figures show the values of SK200-10 Tier 4. These values are compared with the SK200-8 model.

Reduction in NOx emissions of
About **88%** compared with previous model.

GENERATION 10

SK200 SK210LC

Model		SK200-10	SK210LC-10
Bucket Capacity	m^3	0.80	
Engine Power (ISO 14396)	kW/min^{-1}	124 / 2,000*1, 118 / 2,000*2	
Operating Weight	kg	21,500*1 , 20,700*2	21,900*1 , 21,100*2
Bucket Digging Force	kN	143 / 157*3	
Arm Crowding Force	kN	102 / 112*3	
Overall Length	mm	9,600	
Overall Width	mm	2,800	2,990
Overall Height(to top of boom)	mm	3,030	

* Value of 600mm shoe specs with std arm (2.94 m).
*1 Comply with Tier IV final.
*2 Comply with Tier III.
*3 Power Boost engaged.

SK250 SK260LC

Model		SK250-10	SK260LC-10
Bucket Capacity	m^3	1.00	
Engine Power (ISO 14396)	kW/min^{-1}	138 / 2,100*1 , 137 / 2,100*2	
Operating Weight	kg	25,700*1 , 25,100*2	26,300 , 25,700*2
Bucket Digging Force	kN	170 / 187*3	
Arm Crowding Force	kN	119 / 131*3	
Overall Length	mm	10,210	
Overall Width	mm	2,990	3,190
Overall Height(to top of boom)	mm	3,230	

* Value of 600mm shoe specs with std arm (2.98 m).
*1 Comply with Tier IV final.
*2 Comply with Tier III.
*3 Power Boost engaged.

GENERATION 10

SK300LC

SK330 SK350LC

Model		SK300LC-10*1	SK330-10*2	SK350LC-10*2
Bucket Capacity	m^3	1.20	1.40	
Engine Power (ISO 14396)	kW/min^{-1}	200 / 2,100*3 , 185 / 2,100*4	213 / 2,100*3 , 209 / 2,100*4	
Operating Weight	kg	31,000*3 , 30,500*4	36,100*3 , 35,200*4	36,700*3 , 35,900*4
Bucket Digging Force	kN	188 / 208*5	222 / 244*5	
Arm Crowding Force	kN	126 / 139*5	163 / 180*5	
Overall Length	mm	10,710	11,300	
Overall Width	mm	3,190		
Overall Height(to top of boom)	mm	3,270	3,420	

*1 Value of 600mm shoe specs with std arm (3.10 m).
*2 Value of 600mm shoe specs with std arm (3.30 m).
*3 Comply with Tier IV final.
*4 Comply with Tier III.
*5 Power Boost engaged.

SK500LC

Model		SK500LC-10
Bucket Capacity	m^3	1.90
Engine Power (ISO 14396)	kW/min^{-1}	271 / 1,850*1 , 257 / 1,850*2
Operating Weight	kg	50,600*1 , 50,200*2
Bucket Digging Force	kN	267 / 292*3
Arm Crowding Force	kN	203 / 222*3
Overall Length	mm	12,140
Overall Width	mm	3,350
Overall Height(to top of boom)	mm	3,570

* Value of 600mm shoe specs with std arm (3.45 m).
*1 Comply with Tier IV final.
*2 Comply with Tier III.
*3 Power Boost engaged.

PERFORMANCE × DESIGN

Performance × Design

With the release of the new SR Series, KOBELCO has completely harmonised the values of PERFORMANCE and DESIGN.
The new SR Series delivers greater efficiency and productivity with increased power and speed, along with uncompromising operator comfort and machine operability.
In the pursuit of producing unique and unbeatable machines that provide comfort and productivity without equal, KOBELCO continues to rise to the challenge.

THE NEXT LEVEL OF PERFORMANCE

Compared to previous models, the engine output is significantly increased, which shortens the digging cycle time substantially. It attains high performance without reducing the speed even when a heavy load is applied or when travelling on a slope.

Model: YANMAR 4TNV98CT

Engine output
Increased by 27.9%

Digging cycle time
Shortened by 15%

Loaded boom lifting speed
Increased by 38%

Arm digging speed
Increased by 37%

Hill-climbing speed
Increased by 26.9%

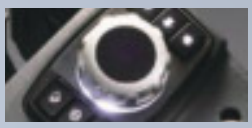
* Figures show the values of SK75SR. These values are compared with the SK75SR-3E model.

SLEEK AND STYLISH CAB DESIGN

True ergonomic functionality combined with modern design has resulted in a cabin interior that is sleek and comfortable, built for simplicity and operator comfort.

Jog dial

The jog dial integrates multiple functions to allow for simple navigation of machine information screens, even while wearing gloves.



LED backlights

LED backlighting on switches and dials provides a bright, clear view of controls, even in the dark, while delivering a premium look and feel.

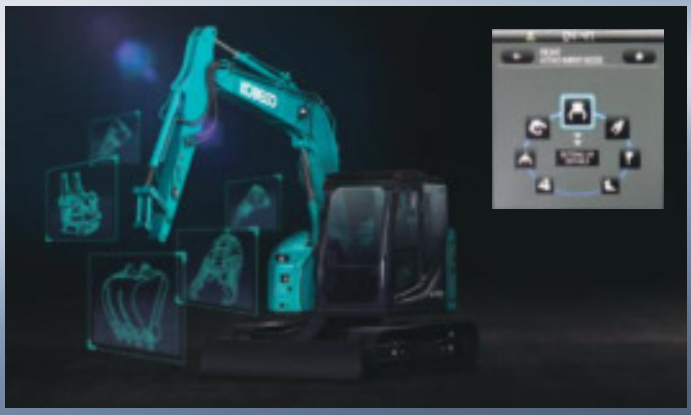
10-inch colour monitor—the largest in the industry

The easy-to-operate menu screen facilitates easy reading and navigation. Images from the built-in cameras can be checked on the large screen, which helps to improve safety.

Greater Multi-function Capabilities

Attachment mode

The flow-rate modes of the bucket, breaker, nibbler, and rotating grapple are set before delivery, which allows you to start operating immediately. Mode settings for other attachments, such as the tilt rotator, can easily be added or changed.



PERFORMANCE × DESIGN

SK75SR

SK85MSR

SK75SR Offset Boom

Model		SK75SR-7*1	SK85MSR-7*2	SK75SR-7 Offset Boom*3
Bucket Capacity	m^3	0.28		
Engine Power (ISO 14396)	kW/min^{-1}	53.7 / 2,100*4		
Operating Weight	kg	7,920	8,550	8,740
Bucket Digging Force	kN	60.3		60.1
Arm Crowding Force	kN	39.3	37.0	39.9
Overall Length	mm	5,840	6,730	6,170
Overall Width	mm	2,300		
Overall Height(to top of Cab)	mm	2,570		

*1 Value of 450mm shoe specs with std arm (1.71 m).
*2 Value of 450mm shoe specs with std arm (1.87 m).
*3 Value of 450mm shoe specs with std arm (1.76 m).
*4 Comply with Tier IV final.

SK135SR SK140SR LC

SK135SR Offset Boom

SK130 SK140 LC

Model		SK135SR-7*1	SK140SRLC-7*2	SK135SR-7 Offset Boom*3	SK130-11*4	SK140LC-11*5
Bucket Capacity	m^3	0.50		0.45	0.50	
Engine Power (ISO 14396)	kW/min^{-1}	86.0 / 2,200*6		78.5 / 2,000*6		
Operating Weight	kg	14,500	15,500	15,800	14,100	15,200
Bucket Digging Force	kN	105.4		92.9	105.4	
Arm Crowding Force	kN	64.0		61.9	64.0	
Overall Length	mm	8,070		7,560	7,770	
Overall Width	mm	2,490		2,490	2,590	
Overall Height(to top of Cab)	mm	2,860		2,860	2,910	

*1 Value of 500mm shoe specs with std arm (2.38 m).
*2 Value of 500mm shoe specs with std arm (2.38 m), and dozer.
*3 Value of 500mm shoe specs with std arm (2.20 m).
*4 Value of 600mm shoe specs with std arm (2.38 m).
*5 Value of 600mm shoe specs with std arm (2.38 m), and dozer.
*6 Comply with Tier IV final.

Power Meets Efficiency

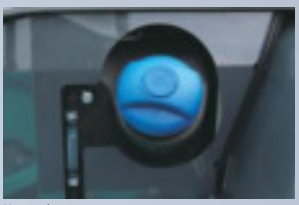
Fitted with KOBELCO's unique iNDr system, SR series excavators have become the popular choice for urban civil engineering works, thanks to their efficient performance in tight spaces, low noise, and easy maintenance.
With the SR concept, iNDr and fuel economy measures, KOBELCO has utilised many different technologies in SR series machines. And now, the Tier IV Final compliant engine completes its environmental credentials, with a high output to give a further powerful boost to working efficiency.

iNDr

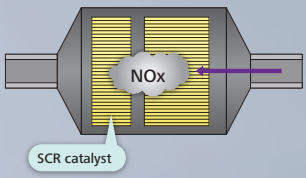
The iNDr system absorbs sound energy by sealing the engine compartment and channeling air to cool the engine through a complex duct. Now equipped with a selective catalytic reduction (SCR) unit for cleaner emissions, the Generation 5 SR model features two offset ducts with ample capacity to absorb engine noise, for a much quieter machine.

Tier IV Final Compliant Engine

The Tier IV Final compliant engine is fitted with a diesel oxidation catalyst (DOC) and a selective catalytic reduction (SCR) device to control emissions without using a diesel particulate filter (DPF). It has a large-capacity urea tank, extending intervals between fill-ups.



Urea tank



Right Side Camera Fitted as Optional

Further to the existing rear-view camera, a camera for the right side is fitted as an option for easy safety checks all round the machine.

Right Side Camera

Monitor Rear Right

Compact Rear Layout

Fitting a urea tank and SCR has not compromised the popular streamlined shape at the rear. A camera aids low-level rear visibility, and the higher field of view remains uninterrupted.

ED160 BLADE RUNNER

Model		ED160 BLADERUNNER
Bucket Capacity	m^3	0.50
Engine Power (ISO 14396)	kW/min^{-1}	78.5 / 2,000
Operating Weight	kg	16,300
Bucket Digging Force	kN	90.1
Arm Crowding Force	kN	64.4
Overall Length	mm	8,530
Overall Width	mm	2,590 / 3,260*1
Overall Height(to top of Cab)	mm	3,030

* Value of 600mm shoe specs with std arm (2.38 m).
*1 Blade wings extended.

SK225SR SK230SRLC

SK235SR SK270SRLC

Model		SK225SR-5*1	SK230SRLC-5*1	SK235SR-5*2	SK270SRLC-5*2
Bucket Capacity	m^3	0.80			
Engine Power (ISO 14396)	kW/min^{-1}	124 / 2,000*3			
Operating Weight	kg	23,100	23,500	24,900	25,400
Bucket Digging Force	kN	120 / 132*4		143 / 157*4	
Arm Crowding Force	kN	88 / 96.8*4		102 / 112*4	
Overall Length	mm	8,690	8,830	8,780	8,970
Overall Width	mm	2,800	2,990	2,990	3,190
Overall Height(to top of boom)	mm	3,150		3,180	

*1 Value of 600mm shoe specs with std arm (2.87 m).
*2 Value of 600mm shoe specs with std arm (2.94 m).
*3 Comply with Tier IV final.
*4 Power Boost engaged.

ACERA GEOSPEC

Powerful, Agile and Quiet.

The rounded form says it all: an excavator built with a tiny rear swing for maximum maneuverability. But KOBELCO has taken this concept one step further by seeing just how much digging performance can be packed into a machine. It's not the compact design that matters so much as the performance and functions that are actually used on site. And that's just where the new SR Series really shines, thanks to our NEXT-3E concept. Thanks to key iNDr technology, we've realised a whole new level of quiet operation, backed by a next-generation power plant that pushes performance to extraordinary new heights.

NEXT-3E

Pursuing the "Three E's"

The Perfection of Next-Generation, Network Performance

Enhancement	Economy	Environment
Greater Performance Capacity	Improved Cost Efficiency	Features That Go Easy on the Earth

SK225SR SK225SR LC

SK235SR SK235SR LC

Model		SK225SR-2*1	SK225SRLC-2*1	SK235SR-2*2	SK235SRLC-2*2
Bucket Capacity	m^3	0.80			
Engine Power (ISO 14396)	kW/min^{-1}	118 / 2,000			
Operating Weight	kg	22,500	22,900	24,300	24,900
Bucket Digging Force	kN	120 / 132*3		143 / 157*3	
Arm Crowding Force	kN	88.0 / 96.8*3		102 / 112*3	
Overall Length	mm	8,690	8,830	8,790	8,980
Overall Width	mm	2,800 / 3,000*4	2,990 / 3,000*4	2,990 / 3,000*4	3,190 / 3,000*4
Overall Height(to top of boom)	mm	3,130		3,150	

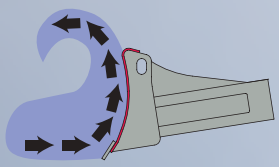
*1 Value of 600mm shoe specs with std arm (2.87 m).
*2 Value of 600mm shoe specs with std arm (2.94 m).
*3 Power Boost engaged.
*4 Overall width of upperstructure

Compact Yet Tough Mini

Mini excavators are the machines of choice for small jobs where space is limited. In addition to the minimised tail swing radius, their excellent toughness and maneuverability have greatly broadened their uses. Now with upgraded hydraulic technology, KOBELCO has packed even more digging power into the SR series minis, for unprecedented performance in all types of operation. Innovation never stops: the new dozer blade shape makes dozing much more efficient. But that's not all. Our engineers have kept the environment in mind too, ensuring that SR machines clear all the latest emissions standards. KOBELCO minis deliver more performance packed into less space than ever before.

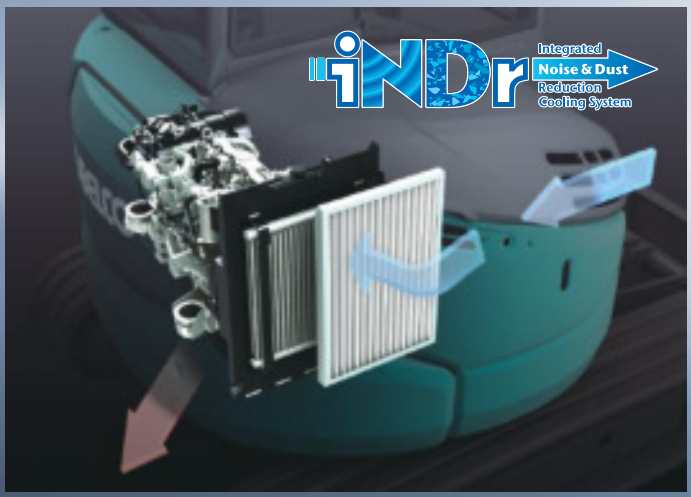
New Dozer-Blade Shape

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)



iNDr Cooling System: SK28SR, SK30SR, SK35SR, SK45SRX, SK55SRX

The highly airtight engine compartment and the offset duct contribute to the noise reduction. The iNDr filter fitted in front of the cooling system ensures easy cleaning. The iNDr system on the SR Series mini excavators features air intake at the front of the machine and air exhaust underneath. It functions in the same way as the iNDr System on the SR series machines.



SK008

SK12SR

SK17SR

SK20SR

SK25SR

Model			SK008	SK12SR-3	SK17SR-5	SK20SR-6	SK25SR-6E
Bucket Capacity		m^3	0.022	0.028	0.05	0.06	0.08
Engine Power (ISO 14396)		kW/min^{-1}	7.7 / 2,400	9.2 / 2,000*1	10.1 / 2,200*1	14.6 / 2,400	15.2 / 2,500
Machine Mass	Cab	kg	-	-	-	-	2,690 / 2,800*3
	Canopy	kg	-	1,190	1,665	2,050 / 2,110*3	2,560 / 2,670*3
Operating Weight		kg	1,035*2	-	-	-	-
Bucket Digging Force		kN	10.5	13.7	15.2	17.5	23.1
Arm Crowding Force		kN	-	6.6	8.5	13.1	12.6
Overall Length		mm	2,600*4	3,020	3,450	3,890	4,120
Overall Width		mm	680 / 840*5	1,000 / 830*5	1,280 / 950*5	1,380	1,500
Overall Height (to top of Cab)		mm	-	-	-	-	2,530
Overall Height (to top of Canopy)		mm	2,300	2,250	2,300	2,420	2,490

*1 (ISO 9249)
*2 Operating Weight
*3 Rubber / Steel
*4 transportation dimensions
*5 When extended / when retracted

SR & SK SERIES MINI

SK28SR

SK30SR

SK35SR

Model			SK28SR-6	SK30SR-6	SK35SR-6
Bucket Capacity		m^3	0.08	0.09	0.11
Engine Power (ISO 14396)		kW/min^{-1}	18.1 / 2,400		
Machine Mass	Cab	kg	2,950	3,380	3,770
	Canopy	kg	2,790	3,220	3,630
Bucket Digging Force		kN	24.7	27.7	27.8
Arm Crowding Force		kN	16.6	19.1	22.4
Overall Length		mm	4,550	4,760	4,870
Overall Width		mm	1,550		1,700
Overall Height (to top of Cab)		mm	2,510		

* Value of Rubber shoe specs.

SK45SRX

SK55SRX

Model			SK45SRX-6	SK55SRX-6
Bucket Capacity		m^3	0.14	0.16
Engine Power (ISO 14396)		kW/min^{-1}	29.6 / 2,400	
Machine Mass	Cab	kg	4,550 / 4,690*1	5,020 / 5,160
	Canopy	kg	4,430 / 4,580	4,900 / 5,040
Bucket Digging Force		kN	35.2	
Arm Crowding Force		kN	20.9	24.6
Overall Length		mm	5,320	5,550
Overall Width		mm	1,960	
Overall Height (to top of Cab)		mm	2,530	

* Value of Rubber shoe specs.
*1 Rubber / Steel

Note: This catalogue 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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