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 area. 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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KOBELCO CONSTRUCTION MACHINERY CO., LTD.
17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN
Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135
www.kobelco-kenki.co.jp/english_index.html

Inquiries To:

GENERATION 10
SK EXCAVATORS CONCEPT BOOK
SK Series – Generation 10

In 2015, this new SK Series, the Generation 10, addresses global needs, representing the current and future needs and expectations for excavators. It’s a trendsetting new excavator that sets new standards in value. Calling on 85 years of experience in innovation, this machine is the best of the best. From KOBELCO.

The KOBELCO revolutionary pedigree marks a new step forward with the new SK Series.

1932 | Japan’s first
The 50K electric excavator
produced by Kobe Steel, Ltd.

1963 | The 1st Generation SK
New products with a clean, cool exterior design

Late 1980s | Design
Low profile and stylish forms

1998 | Space-saving
Low profile and stylish forms

2006 | High fuel efficiency
KOBELCO developed the world’s first hybrid excavator with a full-time hybrid system, enabling smooth, quiet operation and enhanced fuel performance.

2007 | Low noise
KOBELCO’s hybrid excavator delivers low noise levels, significantly reducing noise impact on both people and the urban work sites.

2012 | Hybrid
The John Deere hybrid excavator is a significant milestone in excavator technology, setting new standards in value. From KOBELCO.

<KOBELCO Philosophy>

We will provide innovative solutions that incorporate our creative “wisdom” and “know-how” based on the needs of users in the field*. Focusing on the needs of users in the field, we dedicate ourselves to satisfying our customers by supplying them with products, services, and information that have true value.

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Durable earth-friendly construction machinery – KOBELCO

Demand for construction machinery has reached a global scale. And with that demand comes a need for quality and durability that can withstand the rigors of urban civil engineering anywhere in the world. And given today’s acute awareness of environmental issues, development of eco-friendly technology is a must. KOBELCO reflects its commitment in its branding statement: Durable earth-friendly construction machinery. The world is our stage, and we are moving confidently and aggressively into the future.

<Definition of durable earth-friendly construction machinery>
Heavy excavators are essential in all kinds of projects around the world – far beyond the civil engineering work sites of the past.

- Construction machinery that operates continually in the harshest conditions on earth.
- Construction machinery that is clean and environment-friendly.
- Construction machinery that provides solutions to the issues customers face and meets their expectations around the world.
3 promises concerning durable earth-friendly construction machinery

The philosophy behind durable earth-friendly construction machinery is reflected in the New SK Series Generation 10 and its world renowned KOBELEC quality and service. With the delivery of each SK Series excavator, KOBELEC makes three promises to the customer, ever widening the circle of trust around the world.

The promises made by KOBELEC’s durable earth-friendly construction machinery

**Impressive quality**
We believe quality is what the customer says it is.

The label MADE BY KOBELEC says it all. It stands for machinery that delivers exceptionally high fuel efficiency and durability that ensures non-stop performance at work sites around the world. And it can only come from KOBELEC’s advanced manufacturing technology and strict production control. What’s more, remote diagnostic and maintenance systems utilize the latest IT innovations to virtually improve operating ratios and contribute to even lower product lifecycle costs.

**Attention to detail**
We pursue a dream, a dream we share with you.

We analyze work sites with great care, listen to the opinions of our customers on the front line of their jobs, and use this feedback to develop unique, advanced technology. We never stop thinking about how to make our machinery safer, more earth friendly, more efficient—better in every way. Their technology leads to the creation of our “One SK” machinery philosophy, because if [the manufacturer] is a master of none, KOBELEC shines and stands truly excellent.

**Absolute reliability and a sense of security**
Our long history as a Japanese manufacturer strengthens our development capabilities.

Japanese manufacturers are well known for attention to detail and long-term vision, and our 85 years of monozukuri culture have finely honed our technological prowess. Our goal was to bring the very best KOBELEC technology to the customer’s job site. By thoroughly testing and polishing products, our customers can trust the KOBELEC quality. 

Monozukuri, a Japanese word used to describe the high level of craftsmanship, the mental and spiritual commitment, and the reverence for history held by master craftsmen.
Power Meets Efficiency
Fuel efficiency — the evolution never stops

Say “We save you fuel” and KOBELOCO comes to mind. Historically, the model that personified fuel efficiency was the SK Series Model 8 introduced in 2006. Calling upon our world-renowned, ever-advancing technology, we constantly strive to provide efficient machinery for your demanding job conditions.

Advanced fuel conservation technology from the constant pursuit of greater operating efficiency

Boom to arm regeneration system
When lowering the boom, this system uses the downward force generated by the boom’s weight to the rod side of the excavator arm to aid in the dumping cycle. This greatly reduces the energy required from the engine and fuel system for the dumping operation.

New SK210LC fuel efficiency
Up to 10% increase compared to S-mode on the previous SK210-8

Conforms to 2014 Stage IV Exhaust Emission Standards
SCR*1 System with DEF/AdBlue
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.

Conforms to 2014 Stage IV Exhaust Emission Standards

10% Higher fuel efficiency means “Efficiency”

Compare to previous SK210-8

*1. SCR: Selective Catalytic Reduction  
*2. NOx: Nitrogen Oxide  
*3. PM: Particulate Matter
Power means virtually no downtime

"Power" is the revolutionary concept of Generation 10. Power means greater productivity and an amazingly long service life at all kinds of worksites, all over the globe. KOBELCO strives to offer machines that make downtime a thing of the past.

Amazing fuel efficiency, improved productivity

Digging Volume
- Increased digging volume, while fuel economy improved by about 2%

New SK210LC fuel efficiency
- About 10% increase (vs. SK210-9)

Newly developed attachments are reinforced for optimum durability

1. Improved welding techniques at the foot boss
2. Enlarged reinforcement of the arm foot
3. Modified foot boss shape

A filtration system that ensures stable operation

Hydraulic fluid filter
- Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.

Fuel Filter
- The pre-filter, with built-in water separator maximizes filtering performance.

Double-element air cleaner
- The large-capacity element features a double-filter structure that keeps the engine running clean even in industrial environments.

Preventive maintenance system backs up KOBELCO’s quality and durability

Easy access to maintenance data from the operation management system greatly improves ease of maintenance scheduling and ensures a long service life.
"Power meets efficiency" will take us into the next decade

"Power meets efficiency." With this unique revolutionary value, the New SK Series Generation 10 model moves up to a new stage. Fuel efficiency that maximizes our customers’ profitability. Durability for tough job sites. KOBELECO has evolved into the company that manufactures durable earth-friendly yet incredibly productive construction machinery the world needs more than ever.

Creating future value by keeping ahead of the times

KOBELCO’s 85 years of manufacturing construction machinery read like a history of innovation and revolution. We focused our viewpoints on the needs of users in the field, pursued advanced technology with an eye on the future, and consistently produced new values, step after step.

Our SK Series Mark 6 was the first to focus on fuel efficiency, and has earned a solid reputation for “low fuel consumption,” demonstrating that KOBELECO is always looking ahead to see what new technology is needed and developing ways of attaining it.

Our excavator’s “Power”, “performance and durability” is another value that has gone worldwide. At KOBELECO, where we always look for new challenges, our top priority is durability to the next stage has just begun. KOBELECO does not work to keep up with the times; the times have to keep up with KOBELECO. We always strive to stay a step ahead, and we always look to the future.