

**KOBELCO**

SK250-10/SK260LC-10

**SK250 SK260<sub>LC</sub>**

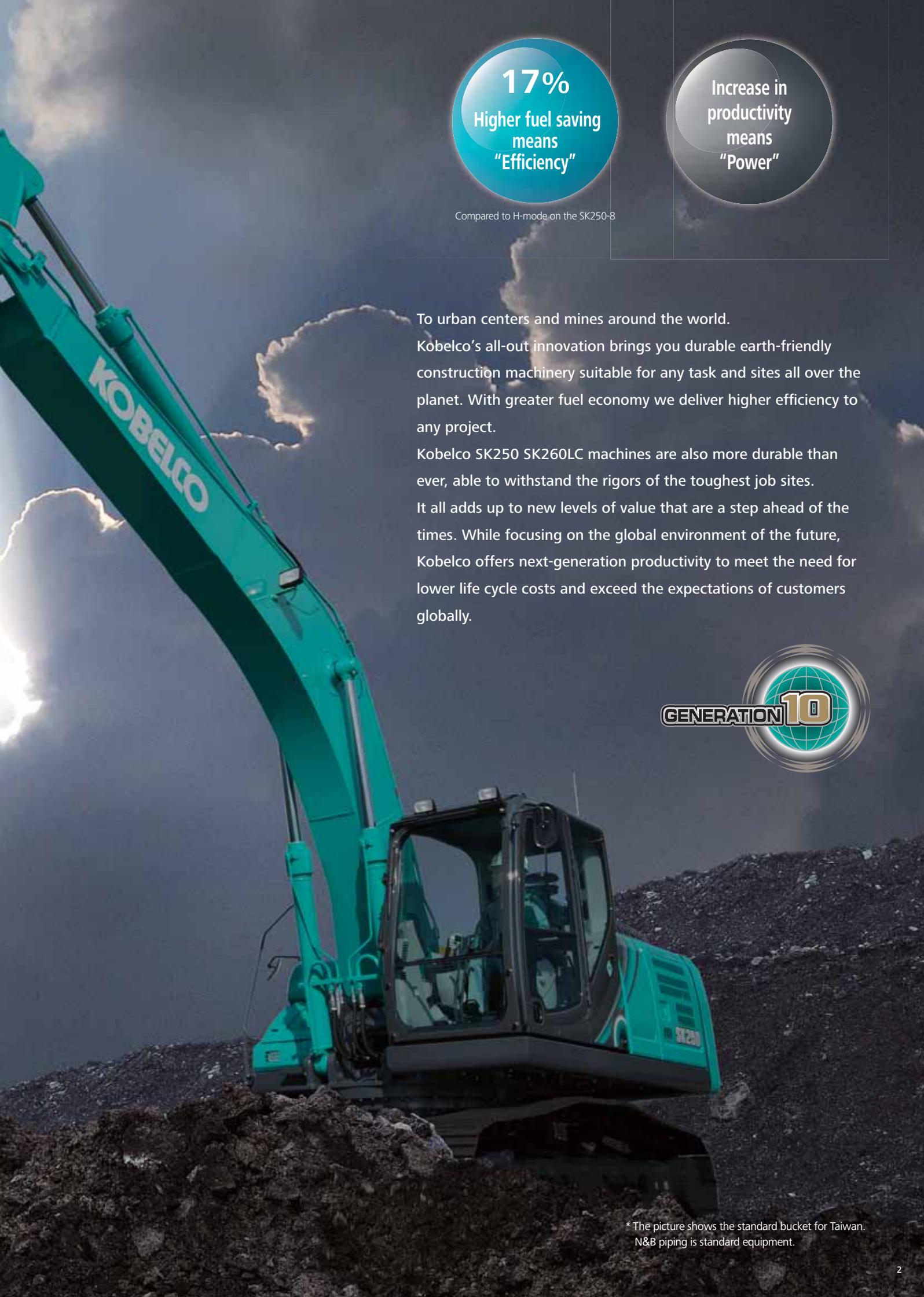


**We Save You Fuel**  
Achieving a Low-Carbon Society

# Power Meets Efficiency



**SK250 SK260<sub>LC</sub>**



**17%**  
Higher fuel saving  
means  
"Efficiency"

Compared to H-mode on the SK250-8

Increase in  
productivity  
means  
"Power"

To urban centers and mines around the world. Kobelco's all-out innovation brings you durable earth-friendly construction machinery suitable for any task and sites all over the planet. With greater fuel economy we deliver higher efficiency to any project. Kobelco SK250 SK260LC 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 a step ahead of the times. While focusing on the global environment of the future, Kobelco offers next-generation productivity to meet the need for lower life cycle costs and exceed the expectations of customers globally.



\* The picture shows the standard bucket for Taiwan. N&B piping is standard equipment.

# Evolution Continues, with Improved Fuel Efficiency.

## In Pursuit of Improved Fuel Efficiency

### Operation Mode

Fuel consumption is lower in H-mode/S-mode/ECO-mode in comparison with the previous model (Generation 8).

■ Compared to previous models



<b>H</b>	H-mode .....	<b>17%</b>
<b>S</b>	S-mode .....	<b>14%</b>
<b>E</b>	ECO-mode .....	<b>23%</b>

Values are approximate improvement rate.

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

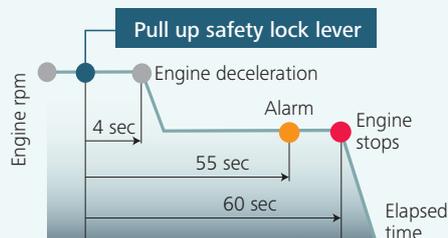
Over the past 10 years, Kobelco has achieved an average reduction of about 38% in fuel consumption. And we vow to continue to lead in fuel efficiency.

■ Compared to SK260LC-6 model (2006)

<b>E</b>	ECO-mode (SK260LC-10)	<b>38%</b>
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### AIS (Auto Idle Stop)

If the safety lock lever is lifted up, the engine will stop automatically. This eliminates wasteful idling during standby, saving fuel and reducing CO<sub>2</sub> emissions as well.





**17%**  
Higher fuel saving  
means  
"Efficiency"

The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 17%\*.

The electronic-control common-rail engine features high-pressure fuel injection and multiple injection with improved precision. It is fitted with an EGR cooler which greatly reduces PM and NOx emissions, and meets TIER III Standards.

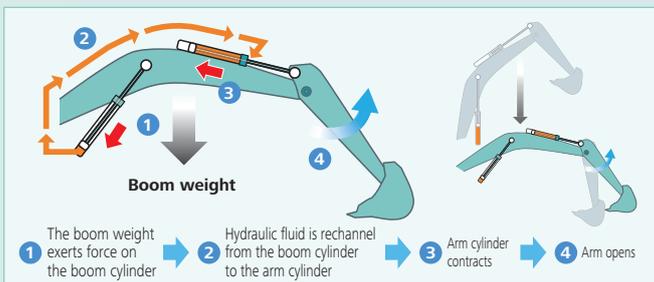
\* Compared to H-mode on the SK250-8

\* The picture shows the standard bucket for Taiwan. N&B piping is standard equipment.

## Hydraulic System: Revolutionary Technology Saves Fuel

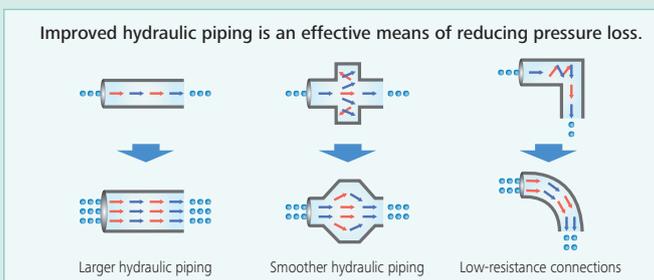
### Arm Interflow System NEW

When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the shovel arm. This greatly reduces the need to apply power from outside the system.



### Hydraulic Circuit Reduces Energy Loss

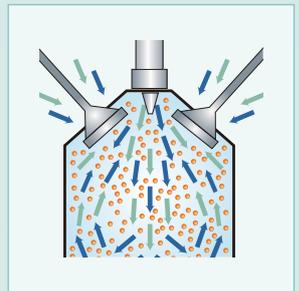
We have made every effort to enhance fuel efficiency by minimizing hydraulic pressure resistance, improving the hydraulic line layout to control friction resistance loss and minimizing valve resistance.



## Pursuing maximum fuel efficiency

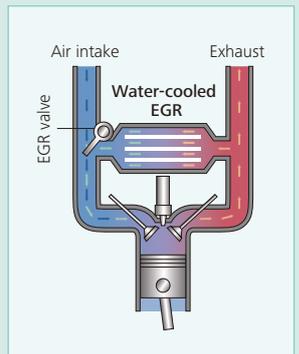
### Common Rail System

High-pressure injection atomizes the fuel, and more precise injection improves combustion efficiency. This also contributes to better fuel economy.



### EGR Cooler

Ensures the recirculated exhaust gas are cooled and mixed with the intake air before entering the combustion chamber. This lowers the sudden surge of combustion temperature there by reduces the formation of nitrogen oxide (Nox) at the exhaust emission.



# More Power and Higher Efficiency.

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and superior digging power, this excavator promises to improve your job productivity.

## Improved Fuel Efficiency Contributes to High Performance

### Superior Digging Performance

Powerful digging force delivers outstanding performance.

■ Max. Bucket Digging Force

Normal: **174kN**

With power boost: **191kN**

■ Max. Arm Crowding Force

Normal: **123kN**

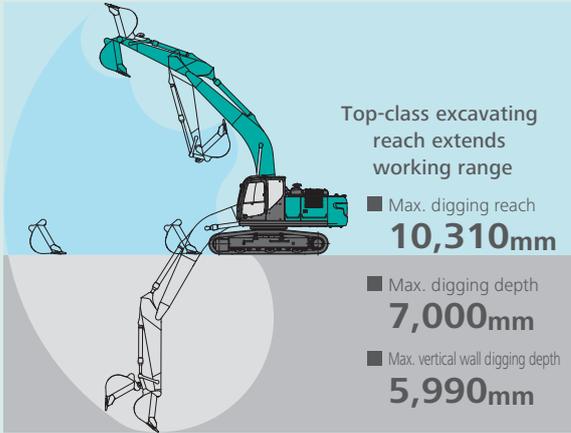
With power boost: **135kN**

\*Values are for STD arm (2.98m)



\* The picture shows the standard bucket for Taiwan.  
N&B piping is standard equipment.

## Get More Done Faster with Superior Operability



\*Values are for STD arm (2.98m)

## A Light Touch on the Lever Means Smoother, Less Tiring Work NEW

It takes 38% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.



## Top Class Traveling Force

Powerful traveling force and drawbar pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.



## Operator-friendly Features Include Controls that Are Easy to See, Easy to Use



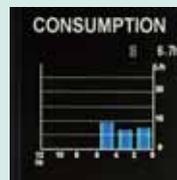
### Multi-Display in Color

Brilliant colors and graphic displays are easy to recognize on the LCD multi-display in the console. The display shows fuel consumption, maintenance intervals, and more.

- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- 2 Green indicator light shows low fuel consumption during operation
- 3 Fuel consumption/Switch indicator for rear camera images
- 4 Digging mode switch
- 5 Monitor display switch

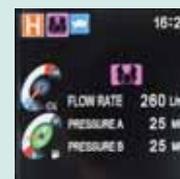
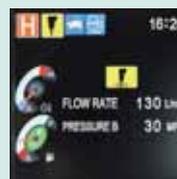
### One-Touch Attachment Mode Switch

A simple touch of a button, switches the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.

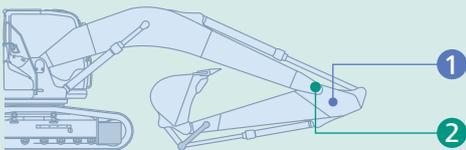


	Interval	Countdown
ENGINE OIL	500	495
FUEL FILTER	500	495
HYD. FILTER	1000	995
HYD. OIL	5000	4995

Maintenance



# Increased Power, with Enhanced Durability to Maintain the Machine's Value



## 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 Enlarged Reinforcement of the Arm Foot

NEW  
HD: Base plate thickness has been increased.

Current



New



### 2 Modified Foot Boss Shape

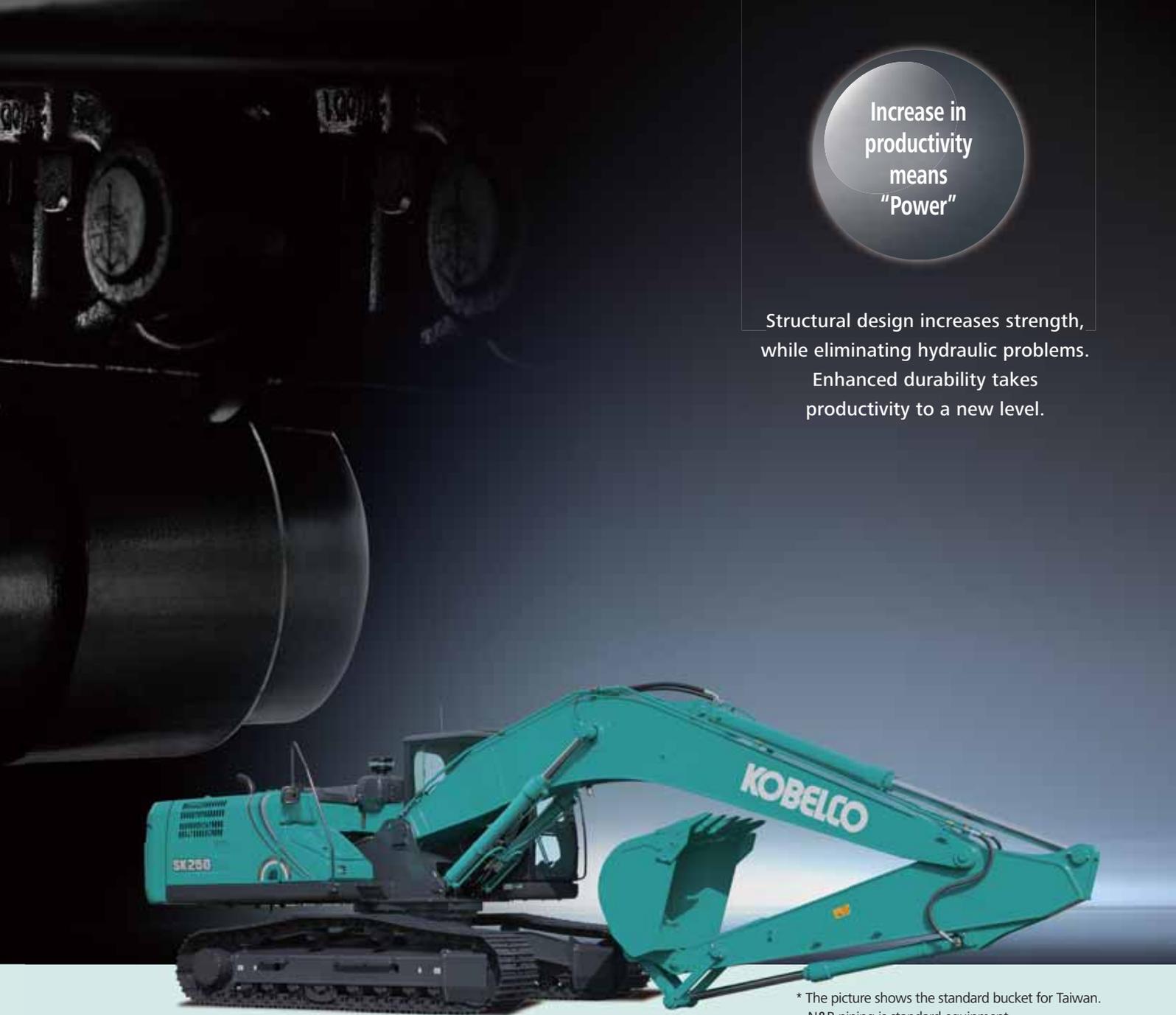
NEW  
The arm foot boss shape has been modified and improved to distribute stress, delivering more strength for tasks like digging next to a wall.

Current



New





Increase in productivity means "Power"

Structural design increases strength, while eliminating hydraulic problems. Enhanced durability takes productivity to a new level.

\* The picture shows the standard bucket for Taiwan. N&B piping is standard equipment.

### Improved Filtration System Reliability

Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

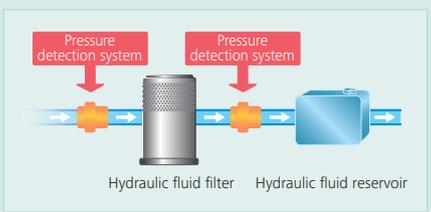
#### Hydraulic Fluid Filter NEW

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



#### Hydraulic Fluid Filter Clog Detector NEW

Hydraulic tank pressure sensor monitors the pressure difference between the return line and tank inside pressure to determine the degree of clogging. If the difference exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be trapped by the filter and replaced before it reaches the hydraulic fluid in the tank.



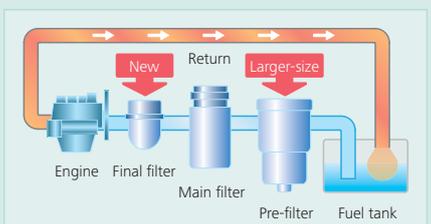
#### Metal Mesh Cover Air Cleaner NEW

Metal mesh cover ensures strength and durability.



#### Fuel Filter

The pre-filter with built-in water separator has 1.6 times more filter area compared to the previous models and with a new final stage maintenance free fuel filter to maximize filtering performance.



# Comfortable Cab Is Now Safer than Ever.

A work environment that is quieter and more comfortable. A cab that puts the operator first is key to improved safety.



## Comfort

### Super-Airtight Cab



The high level of air-tightness keeps dust out of the cab.

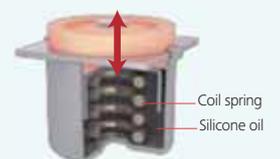
### Quiet Inside

The high level of air-tightness ensures a quiet, comfortable cabin interior.

### Low Vibration

Coil springs absorb small vibrations, and high suspension mounts filled with silicone oil reduce heavy vibration. The long stroke achieved by this system provides excellent protection from vibration.

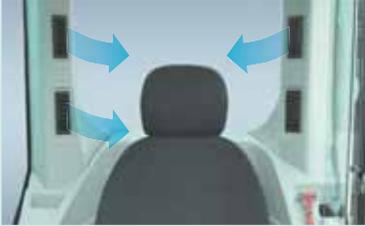
Twice the stroke of a conventional mount



### Broad View Liberates the Operator

The front window features one large piece of glass without a center pillar on the right side for a wide, unobstructed view.

## Air Conditioner Louvers behind the Seat NEW



The large air-conditioner has louvers on the back pillars that blow from behind and to the right and left of the operator's seat. They can be adjusted to put a direct flow of cool/warm air on the operator, which means a more comfortable operating environment.

## More Comfortable Seat Means Higher Productivity



Seat suspension absorbs vibration



Seat recliner can be pushed back flat



Double slides allow adjustment for optimum comfort



## Large Cab Is Easy to Get in and Out of

The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

## Interior Equipment Adds to Comfort and Convenience



Automatic AM/FM radio



24V power outlet



Spacious storage tray



Large cup holder

## Safety

### ROPS Cab

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.



### Expanded Field of View for Greater Safety



Rearview mirrors left and right

Greater safety assured by rearview mirrors on left and right.

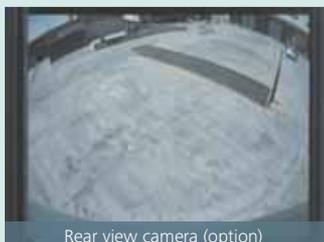


Rear view

Rear view shows the area directly behind the cab.



Hammer for emergency exit



Rear view camera (option)

A rear view camera is installed as option to simplify checking for safety behind the machine. The picture appears on the color monitor.





\* The picture shows the standard bucket for Taiwan.  
N&B piping is standard equipment.

## Easy, On-the-Spot Maintenance NEW

There is ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanic can work in comfort, without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.



Generous space for maintenance work



Step/Hand rail

## Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.



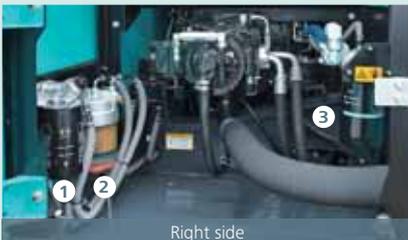
Double-element air cleaner



Fuel filter with built-in water-separator



Fuel filter



Right side



Left side

- ① Fuel filter
- ② Fuel filter with built-in water-separator
- ③ Engine oil filter

Simple layout for easy access to radiator and cooling system elements.

## More Efficient Maintenance Inside the Cab



Air conditioner filters

Internal and external air conditioner filters can be easily removed without tools for cleaning.

# Efficient Maintenance Keeps the Machine in Peak Operating Condition.



## Machine Information Display Function

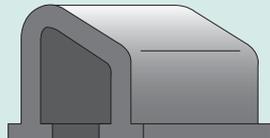
Examples of displaying maintenance information

- Displays only the maintenance information that's needed, when it's needed
- Self-diagnostic function provides early-warning detection and display of electrical system malfunctions
- Service-diagnostic function makes it easier to check the status of the machine
- Record function of previous breakdowns including irregular and transient malfunction

## Easy Cleaning



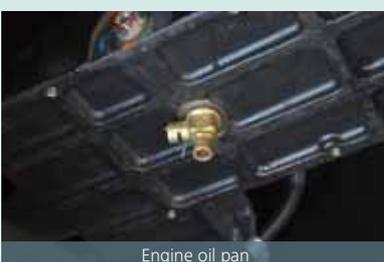
Special crawler frame design for easy mud removal cleaning.



Detachable two-piece floor mat with handles for easy removal. A floor drain is located under floor mat.



Floor mat's raised edges help keep the cab floor free of mud, simplify cleaning.



Engine oil pan equipped with drain valve.

Long-life hydraulic oil:  
**5,000**  
hours

## Long-Interval Maintenance

Long-life hydraulic oil reduces cost and labor.

Replacement cycle:  
**1,000**  
hours

## Highly Durable Premium-fine Filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.



KOMEXS is the remote monitoring system for SK series excavators. When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.





## Engine

Model	HINO J05ETB-KSSF
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler (Stage III-compliant engine)
No. of cylinders	4
Bore and stroke	112 mm x 130 mm
Displacement	5.123 L
Rated power output	132 kW/2,100 min <sup>-1</sup> (ISO 9249)
	137 kW/2,100 min <sup>-1</sup> (ISO 14396)
Max. torque	639 N·m/1,600 min <sup>-1</sup> (ISO 9249)
	654 N·m/1,600 min <sup>-1</sup> (ISO 14396)



## Hydraulic System

Pump	
Type	Two variable displacement piston pumps + one gear pump
Max. discharge flow	2 x 245 L/min, 1 x 21 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm <sup>2</sup> }
Power Boost	37.8 MPa {385 kgf/cm <sup>2</sup> }
Travel circuit	34.3 MPa {350 kgf/cm <sup>2</sup> }
Swing circuit	28.4 MPa {290 kgf/cm <sup>2</sup> }
Control circuit	5.0 MPa {50 kgf/cm <sup>2</sup> }
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type



## Swing System

Swing motor	One fixed displacement piston pump
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Wet multiple plate
Swing speed	10.8 min <sup>-1</sup> {rpm}
Tail swing radius	3,100 mm
Min. front swing radius	3,910 mm



## Attachments

Backhoe bucket and combination

Model			SK250		SK260LC	
Bucket capacity	ISO heaped	m <sup>3</sup>	1.10 Reinforced Bucket	1.00 Standard Bucket	1.30 Reinforced Bucket	1.00 Standard Bucket
	ISO struck	m <sup>3</sup>	0.81	0.78	0.9	0.78
Opening width	With side cutter	mm	1,250	1,270	1,420	1,270
	Without side cutter	mm	1,250	1,180	1,370	1,180
No. of teeth			5	5	5	5
Bucket weight		kg	1,100	810	1,200	810
Combination	2.98 standard arm		☉	☉	☉	☉
	3.66 long arm		×	○	×	○

Reinforced bucket: for Hong Kong ; Standard Bucket: for Taiwan.

☉ Standard combination ○ Optional combination



## Travel System

Travel motors	Variable displacement piston pump
Travel brakes	Hydraulic
Parking brakes	Wet multiple plate
Travel shoes	47 each side (SK250)
	51 each side (SK260LC)
Travel speed	6.1/3.8 km/h
Gradeability	70 % {35°}
Ground clearance	460 mm



## Cab & Control

Cab	
All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.	
Control	
Two hand levers and two foot pedals for travel	
Two hand levers for excavating and swing	
Electric rotary-type engine throttle	



## Boom, Arm & Bucket

Boom cylinders	135 mm x 1,235 mm
Arm cylinder	145 mm x 1,635 mm
Bucket cylinder	125 mm x 1,200 mm



## Refilling Capacities & Lubrications

Fuel tank	403 L
Cooling system	21 L
Engine oil	20.5 L
Travel reduction gear	2 x 5 L
Swing reduction gear	5 L
Hydraulic oil tank	165 L tank oil level
	273 L hydraulic system



## Working Ranges

Unit: m

Boom		6.02 m		
Range		Standard 2.98 m		Long 3.66 m
Arm		Reinforced Bucket	Standard Bucket	Standard Bucket
a- Max. digging reach		10.31	10.30	10.98
b- Max. digging reach at ground level		10.14		10.82
c- Max. digging depth		7.00		7.68
d- Max. digging height		9.74	9.79	10.22
e- Max. dumping clearance		6.87	6.88	7.28
f- Min. dumping clearance		2.55		1.87
g- Max. vertical wall digging depth		5.99	6.15	6.97
h- Min. swing radius		3.91		3.92
i- Horizontal digging stroke at ground level		5.27	5.26	6.48
j- Digging depth for 2.4 m (8') flat bottom		6.82		7.54
Bucket capacity (ISO heaped) m <sup>3</sup>		1.10	1.00	1.00

Reinforced Bucket: for Hong Kong ; Standard Bucket: for Taiwan.

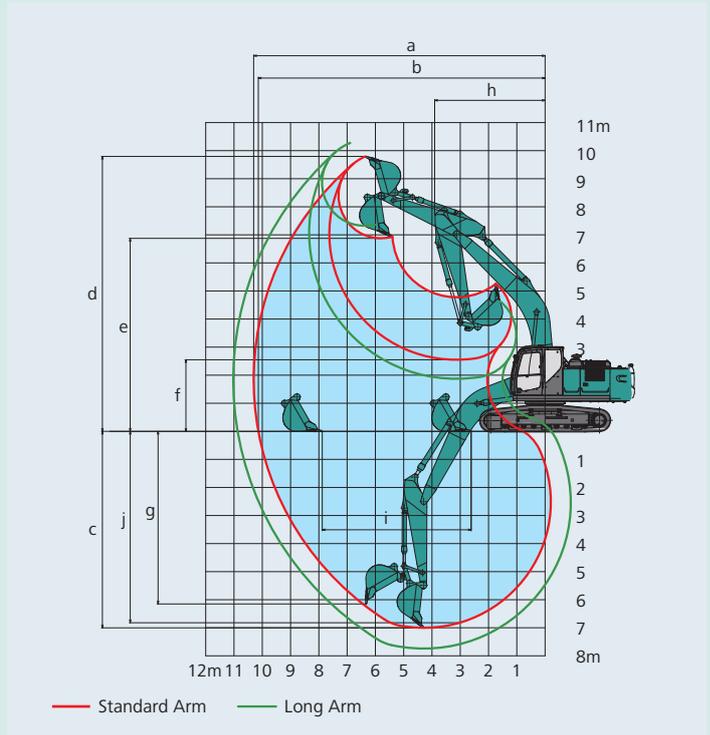
### Digging Force (ISO 6015)

Unit: kN

Arm length	Standard 2.98 m		Long 3.66 m
	Reinforced Bucket	Standard Bucket	Standard Bucket
Bucket digging force	174	170	170
	191*	187*	187*
Arm crowding force	123	122	104
	135*	134*	

Reinforced Bucket: for Hong Kong ; Standard Bucket: for Taiwan.

\*Power Boost engaged.



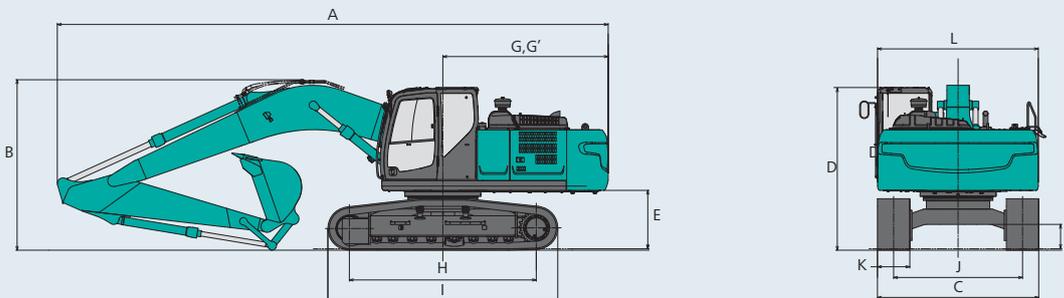
## Dimensions

Unit: mm

Arm length		Standard 2.98 m	Long 3.66 m
A	Overall length	10,210	10,220
B	Overall height (to top of boom)	3,180	3,320
C	Overall width of crawler	SK250	2,990
		SK260LC	3,190
D	Overall height (to top of cab)	3,040	
E	Ground clearance of rear end*	1,090	
F	Ground clearance*	460	
G	Tail swing radius	3,100	

G'	Distance from center of swing to rear end	3,070	
H	Tumbler distance	SK250	3,470
		SK260LC	3,850
I	Overall length of crawler	SK250	4,260
		SK260LC	4,640
J	Track gauge	SK250	2,390
		SK260LC	2,590
K	Shoe width	600	
L	Overall width of upperstructure	2,980	

\*Without including height of shoe lug



## Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.98 m arm

Model	SK250							SK260LC					
	Reinforced Bucket			Standard Bucket				Reinforced Bucket			Standard Bucket		
Shoe width	mm	600	700	800	600	700	800	600	700	800	600	700	800
Overall width of crawler	mm	2,990	3,090	3,190	2,990	3,090	3,190	3,190	3,290	3,390	3,190	3,290	3,390
Ground pressure	kPa	55	48	42	55	47	42	52	45	40	51	44	39
Operating Weight	kg	25,300	25,600	25,900	25,100	25,300	25,600	26,000	26,300	26,600	25,600	25,900	26,200

Reinforced bucket: for Hong Kong ; Standard Bucket: for Taiwan.

**STANDARD EQUIPMENT****ENGINE**

- Engine, HINO J05ETB-KSSF, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V - 96Ah)
- Starting motor (24V - 5 kW), 60 amp alternator
- Automatic engine shut-down
- Engine oil pan drain cock
- Double element air cleaner

**CONTROL**

- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost

**SWING SYSTEM & TRAVEL SYSTEM**

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

**HYDRAULIC**

- Auto warm up system
- Aluminum hydraulic oil cooler
- Arm interflow system
- Hydraulic fluid filter clog detector
- N & B piping
- Multi control valve

**MIRRORS & LIGHTS**

- Two rear view mirrors
- Five front working lights (two for boom, one for right storage box and two for cab)

**CAB & CONTROL**

- Two control levers, pilot-operated
- Horn, electric
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Headrest
- Handrails
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer
- KOMEXS
- Suspension seat
- Radio, AM/FM stereo with speaker
- Boom & Arm safety valve
- Travel alarm
- 24V outlet
- Battery shut-off switch

**OPTIONAL EQUIPMENT**

- Additional track guide
- Rotatory N & B piping
- Refilling pump
- Rear view camera
- 700mm shoes
- 800mm shoes
- 3.66m long arm (only for N & B piping)
- Lower under cover
- Swing flashers

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.

**KOBELCO CONSTRUCTION MACHINERY CO., LTD.**

5-15, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN  
Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135  
<https://www.kobelcocm-global.com/>

Inquiries To: