

KOBELCO

SK240_{SN}

■ Bucket Capacity :

0.70 - 0.80 m³

■ Engine Power :

124 kW / 2,000 min⁻¹

■ Operating Weight :

23,300 - 24,300 kg



We Save You Fuel
Achieving a Low-Carbon Society

Power Meets Efficiency



SK240 SN

10%
Higher fuel efficiency
means
"Efficiency"

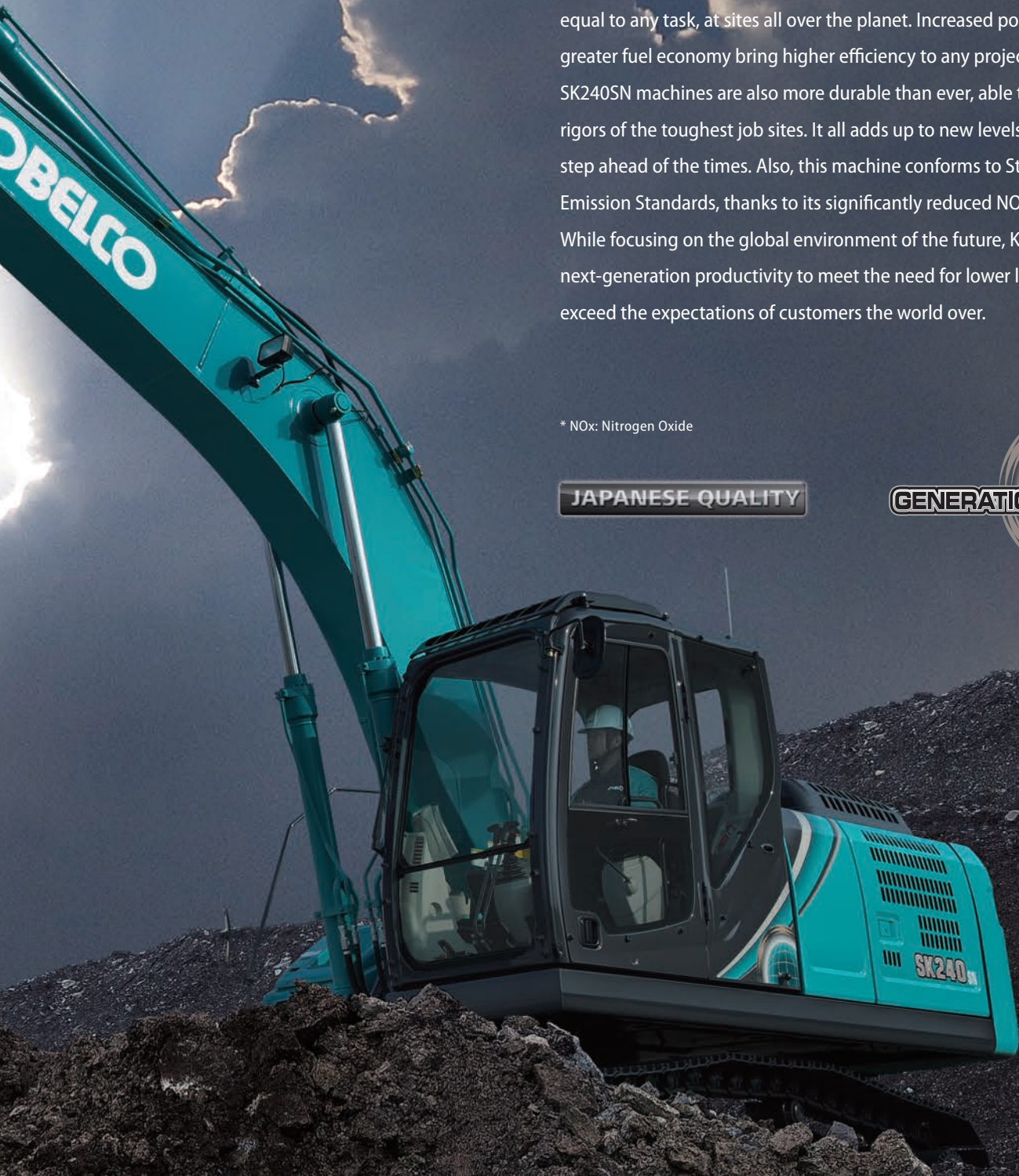
Compared to S-mode on the SK210LC-9

Increase in
productivity
means
"Power"

To 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 bring higher efficiency to any project. Kobelco SK240SN 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. Also, this machine conforms to Stage IV Exhaust Emission Standards, thanks to its significantly reduced NOx* emissions. 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 the world over.

* NOx: Nitrogen Oxide

JAPANESE QUALITY

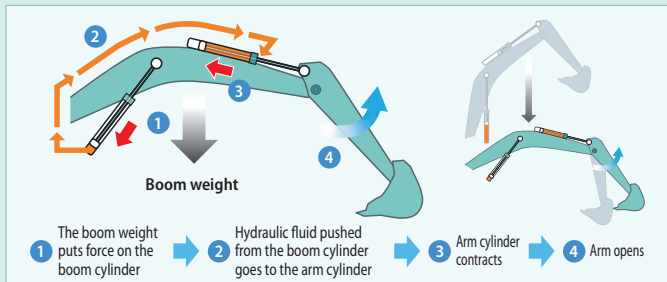


Evolution Continues, with Improved Fuel Efficiency

Hydraulic System: Revolutionary Technology Saves Fuel

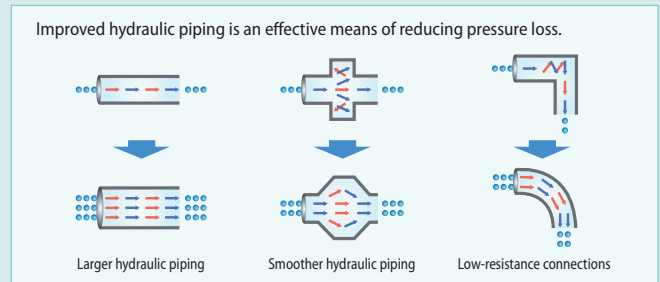
Arm Interflow System NEW

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.

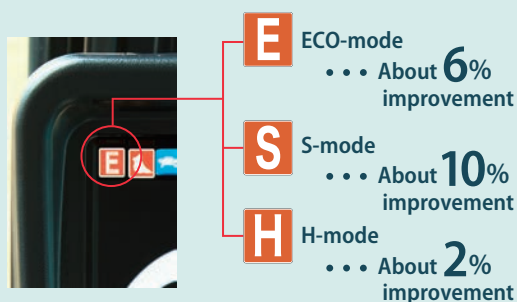


In Pursuit of Improved Fuel Efficiency

Operation Mode

Fuel consumption is lower in ECO-mode/S-mode in comparison with the previous model (Generation 9).

■ Compared to previous models

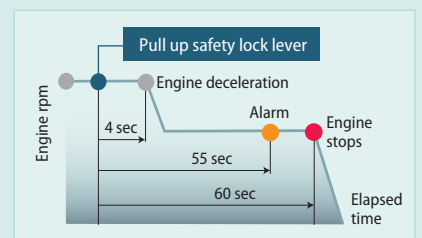


Always and Forever. Yesterday, Today, and Tomorrow. Obsessed with Fuel Efficiency.

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 SK210LC-6 model (2006)

E ECO-mode (SK240SN-10) ... About **38%** improvement



AIS (Auto Idle Stop)

If the boarding/disembarking lever is left up, the engine will stop automatically. This eliminates wasteful idling during standby, saving fuel and reducing CO₂ emissions as well.



10%
Higher fuel efficiency
means
"Efficiency"

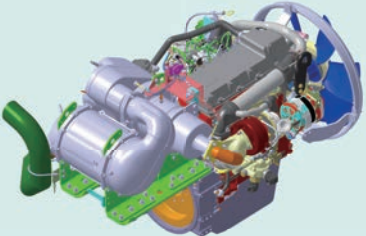
The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 10%*¹. The engine, already well-known for its environmental performance has a new SCR*² system, and its reduced NOx emissions means the engine now meets Stage IV Standards.

*¹ Compared to S-mode on the SK210LC-9
*² SCR: Selective Catalytic Reduction

Engine Meets Stage IV Standards

Reduces Fuel Consumption and Minimizes Exhaust Emissions

Hino engines are renowned for fuel efficiency and environmental performance, and Kobelco has tuned these powerplants especially for construction machinery. The pressure within the common rail fuel injection system, the VG turbo, and the exhaust gas after-treatment system reduce exhaust PM*³ while the large-capacity EGR cooler sharply reduces the formation of NOx gases.



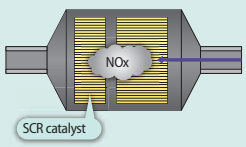
*³ PM: Particulate Matter

SCR System with DEF/Urea NEW

The engine exhaust system has an 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 PM, the SK240SN has a much cleaner exhaust that meets Stage IV exhaust emission standards.

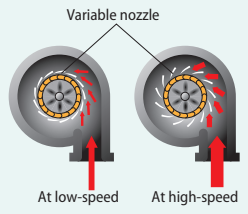
■ NOx reduction rate
(Compared to previous models)

About **88%** decrease



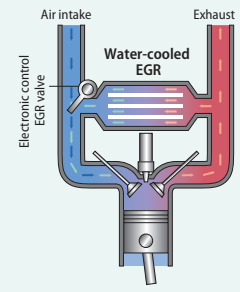
VG Turbo Reduces PM

The variable-geometry turbocharger adjusts air intake to maximize combustion efficiency. At low engine speeds the nozzles are closed, the turbo speed increased and air intake is boosted. This helps lower fuel consumption.



EGR Cooler Reduces NOx

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the air intake and re-circulated into the engine. The lowered oxygen temperature lowers the combustion temperature and increases combustion efficiency.



More Power and Higher Efficiency

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

Improved fuel efficiency contributes to high performance

Superior Digging Volume

This excavator offers dynamic digging force even as it minimizes fuel consumption rates, achieving class-leading work volume. H-mode with an increased torque setting delivers about 7% greater digging volume.

■ Digging volume / hour
(Compared to H-mode on previous models)



↑ About **7%** increase

■ Max. Bucket Digging Force

Normal: **143kN**
With Power Boost: **157kN**

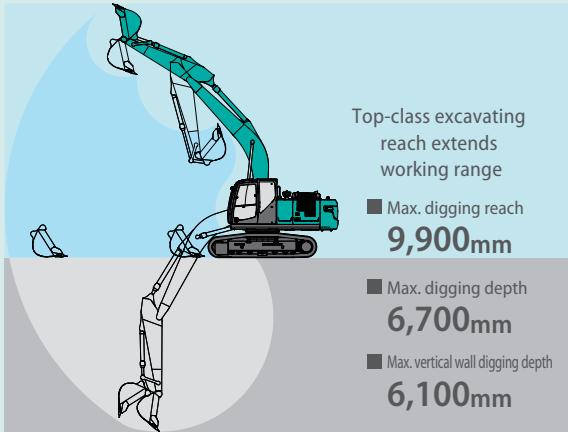
■ Max. Arm Crowding Force

Normal: **102kN**
With Power Boost: **112kN**

*Values are for HD arm (2.94m)



Get More Done Faster with Superior Operability



*Values are for HD arm (2.94m)

Piping for Quick Hitch (optional)



A quick hitch hydraulic line, which speeds up attachment changes, is available as an option.

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



It takes 25% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

Complying with Transport Regulations



Top Class Traveling Force

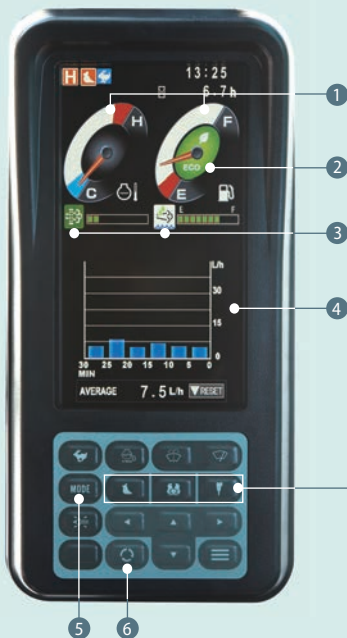
Powerful traveling force and pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.



■ Drawbar Pulling Force:

227kN

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.

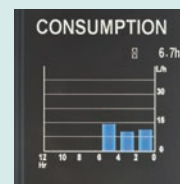
- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- 2 Green indicator light shows low fuel consumption during operation
- 3 PM accumulation display (left)/Urea level gauge (right)
- 4 Fuel consumption
- 5 Digging mode switch
- 6 Monitor display switch

One-Touch Attachment Mode Switch

A simple flick of a switch converts the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.



PM accumulation/
Urea accumulation display

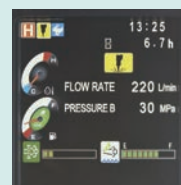


Fuel consumption

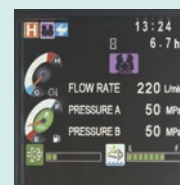
MAINTENANCE
6.7h

	INTERVAL	REMAINING TIME	EXCHANGE DAY
ENGINE OIL	500	495	---
FUEL FILTER	500	495	---
HYD. FILTER	1000	995	---
HYD. OIL	5000	4995	---

Maintenance

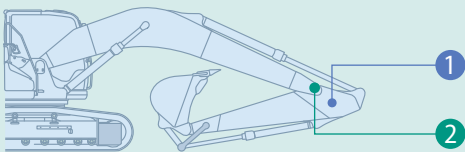


Breaker mode



Nibbler mode

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

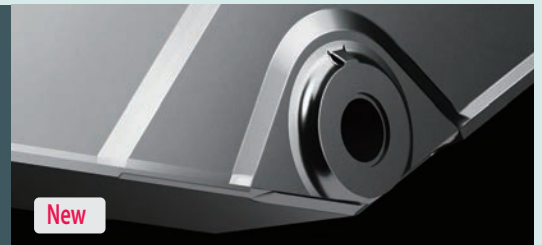


Built to Operate in Tough Working Environments

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

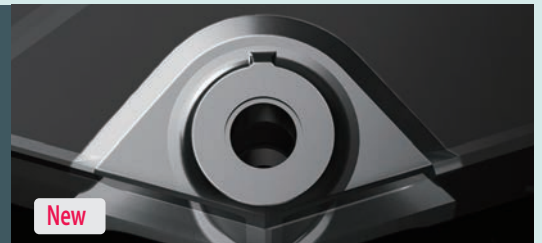
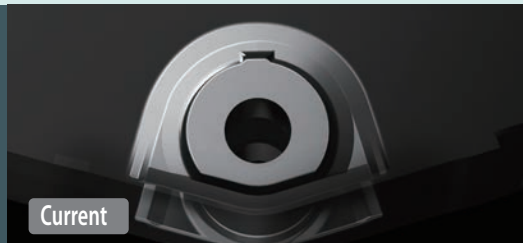
1 Enlarged Reinforcement of the Arm Foot

HD: Base plate thickness has been increased 1.3 times (20 t).



2 Modified Foot Boss Shape

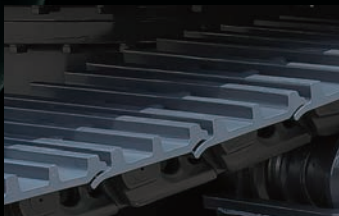
The arm foot boss shape has been modified and improved to distribute stress, delivering 2.6 times more strength for tasks like digging next to a wall.



Increase in productivity means "Power"

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

Crawlers Built for Unbeatable Durability



Standard HD Shoes and Track Link

Reinforced HD shoes of thick steel plate to master rough, stony ground.



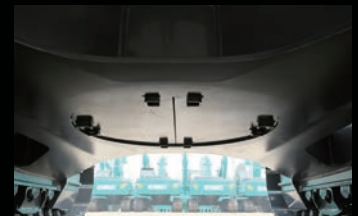
Three Track Guides Each Side

Large, reinforced track guide is installed.



Reinforced Travel Motor Cover

Rear of travel motor cover is reinforced.



Lower Under Cover

Hydraulic piping and equipment protected against damage from rubble and stony ground.

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

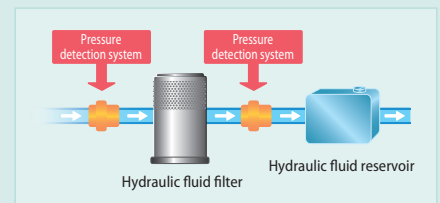
Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.



Hydraulic Fluid Filter Clog Detector

NEW

Pressure sensors at the inlet and outlet of the hydraulic fluid filter monitor differences in pressure to determine the degree of clogging. If the difference in pressure exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be removed from the filter before it reaches the hydraulic fluid reservoir.



Double-Element Air Cleaner

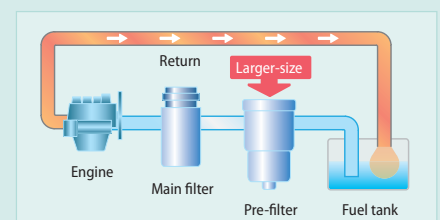
The large-capacity element features a double-filter structure that keeps the engine running clean even in industrial environments.



Fuel Filter

NEW

The pre-filter, with built-in water separator maximizes 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.

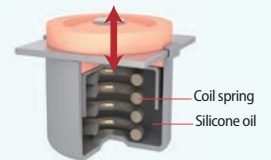
Quiet Inside

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 Register behind the Seat

NEW



The large air-conditioner has registers 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



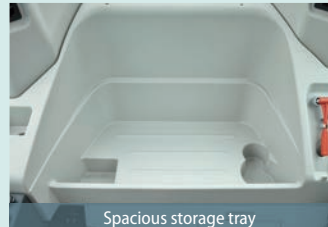
Bluetooth installed radio



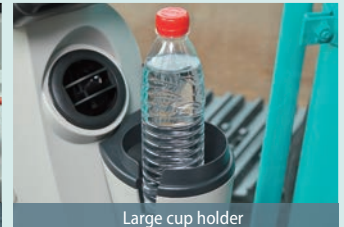
USB/AUX



12V 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.



TOP Guard is fitted as standard.

Expanded Field of View for Greater Safety

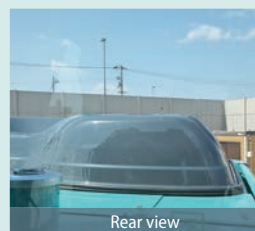


Rear View Camera

Right side View Camera

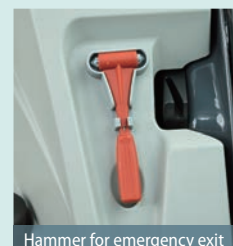
Right Side Camera Fitted as Standard

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



Rear view

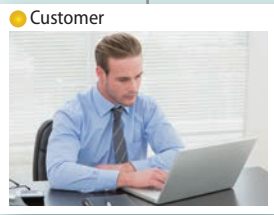
Rear view shows the area directly behind the cab.



Hammer for emergency exit



KOBELCO MONITORING EXCAVATOR SYSTEM



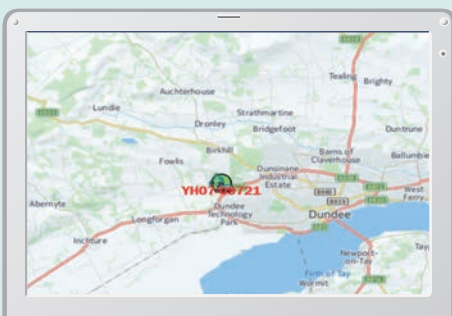
Remote Monitoring for Peace of Mind

KOMEXS (Kobelco Monitoring Excavator System) uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult. 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.

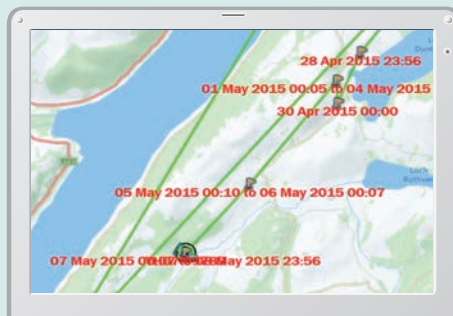
Direct Access to Operational Status

Location Data

Accurate location data can be obtained even from sites where communications are difficult.



Latest location



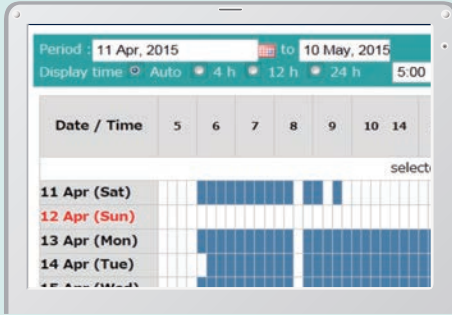
Location records

Period: 11 Apr, 2015 to 10 May, 2015 Search		
Type of Operation	Working Hrs	Ratio
Total Working Hrs	169 Hrs	100 %
Digging Hrs	72.2 Hrs	43 %
Traveling Hrs	18.3 Hrs	11 %
Idle Hrs	15.9 Hrs	9 %
Opt Att Hrs	62.5 Hrs	37 %
Crane Mode Hrs	0 Hrs	0 %

Work data

Operating Hours

- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

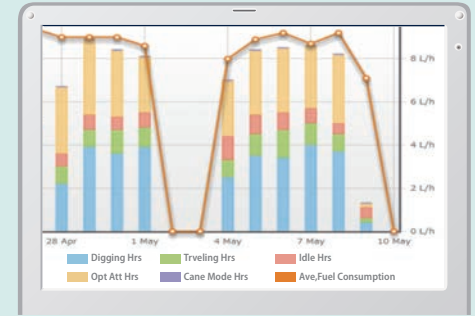
Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

Fuel consumption

Graph of Work Content

The graph shows how working hours are divided among different operating categories, including digging, idling, traveling and optional operations.



Work status

Maintenance Data and Warning Alerts

Machine Maintenance Data

- Provides maintenance status of separate machines operating at multiple sites.
- Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.

Model	Serial No.	Hour Meter	Engine Oil
SK135SRLC-3/SK140SRL	YH07-09721 0.38/0.35	734 Hr	434
SK135SRLC-3/SK140SRL	YH07-09789 0.38/0.35	73 Hr	429
SK210LC-9	YQ13-10454 0.8/0.7	960 Hr	58
SK210LC-9	YQ13-10481 0.8/0.7	549 Hr	498
SK75SR-	YT08-30374		

Maintenance

Warning Alerts

This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received through E-mail

Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.



Alarm messages can be received on mobile device.

Daily/Monthly Reports

Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Security System

Engine Start Alarm

The system can be set an alarm if the machine is operated outside designated time.

Setting Condition Change
Start time: 20 : 00
Release time: 07 : 00
No Working Whole Day
Mon Tue Wed Thu Fri Sat Sun
Clear

Engine start alarm outside prescribed work time

Area Alarm

It can be set an alarm if the machine is moved out of its designated area to another location.

Setting Condition
Around the current (latest) location: 1 Km
Input Latitude and Longitude
Latitude1:
Longitude1:
Latitude2:
Longitude2:
Map Clear
Release

Alarm for outside of reset area



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

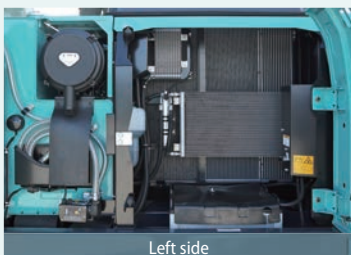


DEF/Urea tank

Positioned where the step opens

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

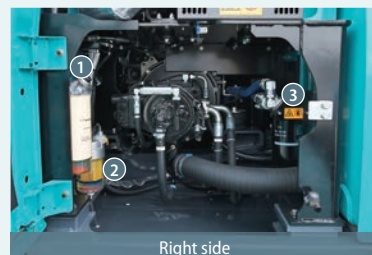
The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.



Left side



Double-element air cleaner



Right side



Engine oil filter



Fuel filter / Pre-filter

Laid out for easy access to radiator and cooling system elements

- ① Fuel filter
- ② Pre-filter
- ③ Engine oil filter

Efficient Maintenance Keeps the Machine in Peak Operating Condition



MAINTENANCE			
	INTERVAL	REMAINING TIME	EXCHANGE DAY
ENGINE OIL	500 Hr	495 Hr	--/--/--
FUEL FILTER	500 Hr	495 Hr	--/--/--
HYD. FILTER	1000 Hr	995 Hr	--/--/--
HYD. OIL	5000 Hr	4995 Hr	--/--/--

6.7h

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

More Efficient Maintenance Inside the Cab



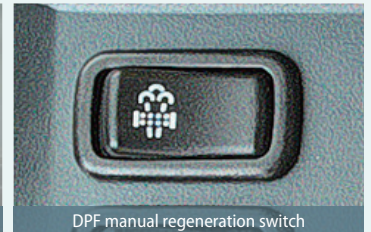
Easy-access fuse box

More finely differentiated fuses make it easier to locate malfunctions.



Air conditioner filters

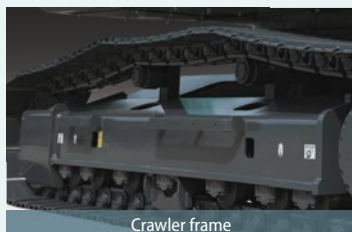
Internal and external air conditioner filters can be easily removed without tools for cleaning.



DPF manual regeneration switch

If the monitor warning goes off, the filter should be reactivated manually using a switch.

Easy Cleaning



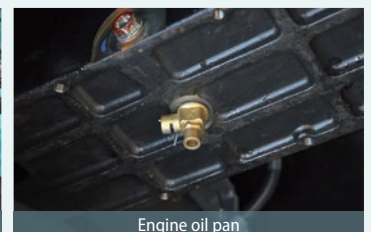
Crawler frame

Special crawler frame design is easily cleaned of mud.



Detachable two-piece floor mat

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



Engine oil pan

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 Super-fine Filter

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





Engine

Model	J05EUM-KSSS
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders	4
Bore and stroke	112 mm x 130 mm
Displacement	5.123 L
Rated power output	119 kW/2,000 min ⁻¹ (ISO 9249)
	124 kW/2,000 min ⁻¹ (ISO 14396)
Max. torque	640 N·m/1,600 min ⁻¹ (ISO 9249)
	660 N·m/1,600 min ⁻¹ (ISO 14396)



Hydraulic System

Pump	
Type	Two variable displacement pumps + one gear pump
Max. discharge flow	2 x 220 L/min, 1 x 20 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm ² }
Power Boost	37.8 MPa {385 kgf/cm ² }
Travel circuit	34.3 MPa {350 kgf/cm ² }
Swing circuit	29.0 MPa {296 kgf/cm ² }
Control circuit	5.0 MPa {50 kgf/cm ² }
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type



Swing System

Swing motor	Axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	12.7 min ⁻¹ {rpm}



Attachments

Backhoe bucket and combination (Reference only)

Type	Backhoe bucket			
Bucket capacity	ISO heaped	m ³	0.70	0.80
	With side cutter	mm	1,080	1,160
Opening width	Without side cutter	mm	980	1,140
	No. of teeth		5	5
Bucket weight		kg	630	660
Combination	2.4m short arm		○	○
	2.94m standard arm		○	◎

◎ Standard combination ○ General operation △ Light operation



Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	47 each side
Travel speed	6.0/3.6 km/h
Drawbar pulling force	227 kN (ISO 7464)
Gradeability	70 % {35°}



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	
Noise levels	
External	100dB(A) (ISO 6395)
Operator	66dB(A) (ISO 6396)



Boom, Arm & Bucket

Boom cylinders	120 mm x 1,355 mm
Arm cylinder	135 mm x 1,558 mm
Bucket cylinder	120 mm x 1,080 mm
Jib cylinder*	150 mm x 992 mm

*For 2 piece boom



Refilling Capacities & Lubrications

Fuel tank	320 L
Cooling system	19 L
Engine oil	20.5 L
Travel reduction gear	2 x 5.0 L
Swing reduction gear	2.7 L
Hydraulic oil tank	140 L tank oil level
	244 L hydraulic system
DEF/Urea tank	34 L



Working Ranges

Unit: m

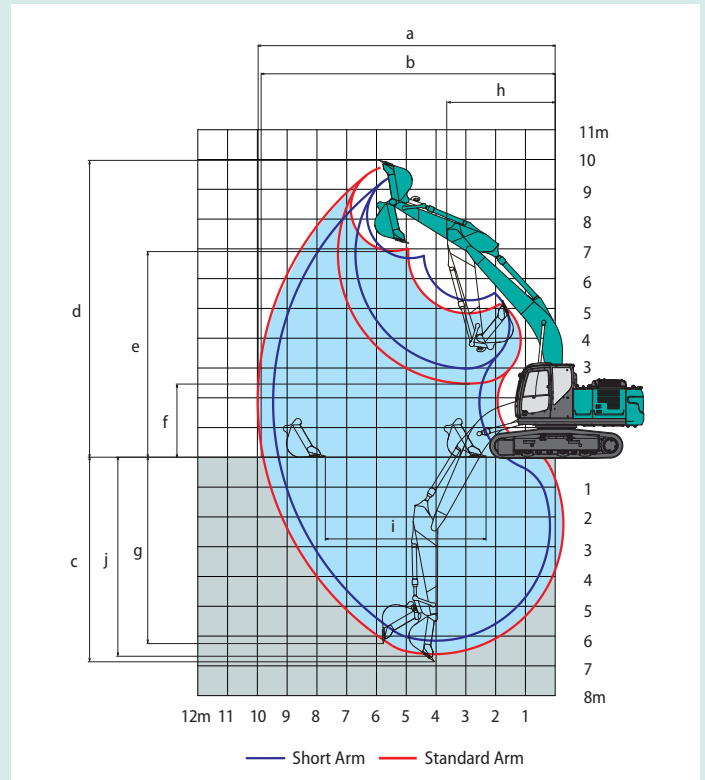
Boom	Arm	5.65 m	
Range		Short 2.4 m	Standard 2.94 m
a- Max. digging reach		9.42	9.9
b- Max. digging reach at ground level		9.24	9.73
c- Max. digging depth		6.16	6.7
d- Max. digging height		9.51	9.72
e- Max. dumping clearance		6.68	6.91
f- Min. dumping clearance		2.98	2.43
g- Max. vertical wall digging depth		5.57	6.1
h- Min. swing radius		3.56	3.55
i- Horizontal digging stroke at ground level		4.08	5.27
j- Digging depth for 2.4 m (8') flat bottom		5.95	6.52
Bucket capacity ISO heaped m ³		0.93	0.8

Digging Force (ISO 6015)

Unit: kN

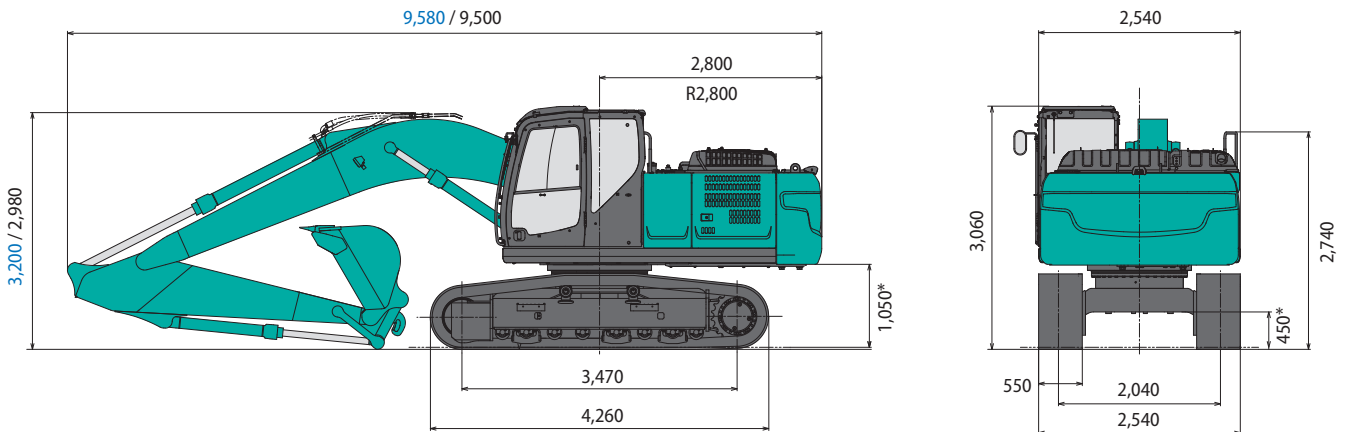
Arm length	Short 2.4 m	Standard 2.94 m
Bucket digging force	143 157*	143 157*
Arm crowding force	121 133*	102 112*

*Power Boost engaged.



Dimensions

2.4 m arm / 2.94 m arm



*Without including height of shoe lug

Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.94 m arm, and 0.8 m³ ISO heaped bucket

Shaped	Triple grouser shoes (even height)	
Shoe width	mm	550
Ground pressure	kPa	56
Operating weight	kg	23,300

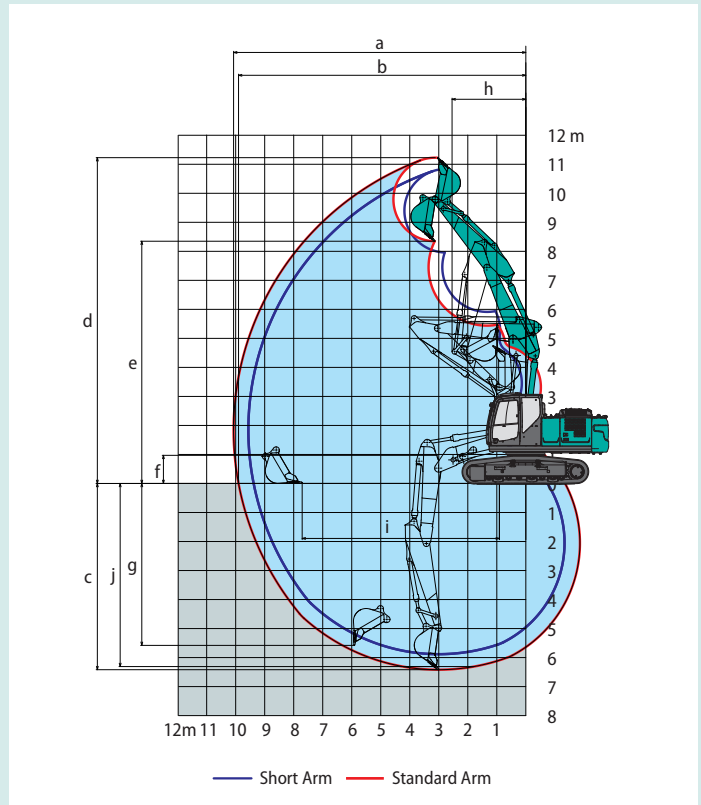
2 Piece Boom Specifications



Working Ranges

Unit: m

Boom	3.16 m + 2.63 m	
Arm	Short 2.4 m	Standard 2.94 m
Range		
a- Max. digging reach	9.57	10.07
b- Max. digging reach at ground level	9.39	9.9
c- Max. digging depth	5.89	6.42
d- Max. digging height	10.83	11.23
e- Max. dumping clearance	7.95	8.35
f- Min. dumping clearance	1.51	0.97
g- Max. vertical wall digging depth	5.08	5.58
h- Min. swing radius	2.76	2.55
i- Horizontal digging stroke at ground level	5.77	6.8
j- Digging depth for 2.4 m (8') flat bottom	5.78	6.31
Bucket capacity ISO heaped m ³	0.93	0.8



Digging Force (ISO 6015)

Unit: kN

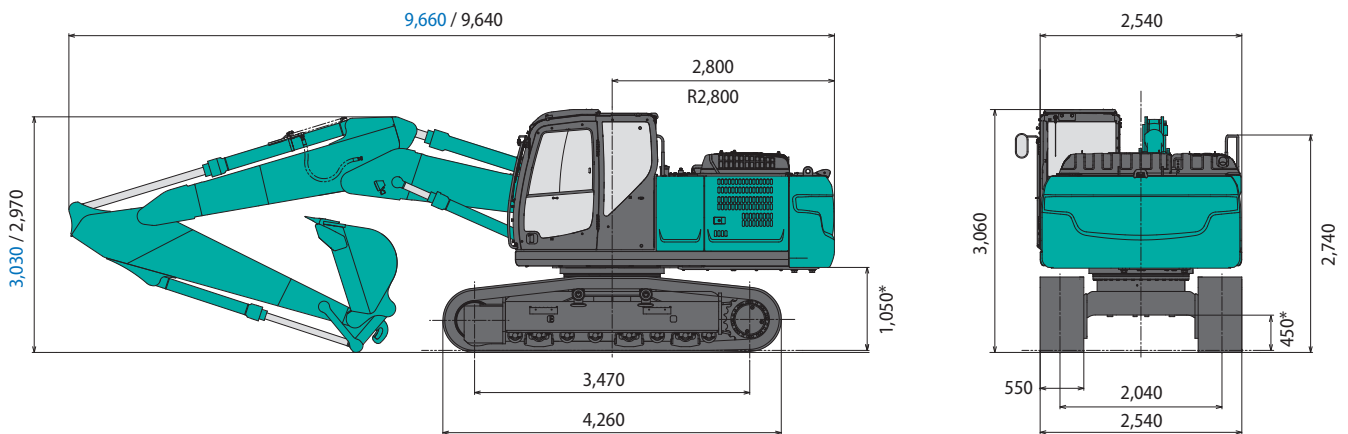
Arm length	Short 2.4 m	Standard 2.94 m
Bucket digging force	143 157*	143 157*
Arm crowding force	121 133*	102 112*

*Power Boost engaged



Dimensions

2.4 m arm / 2.94 m arm



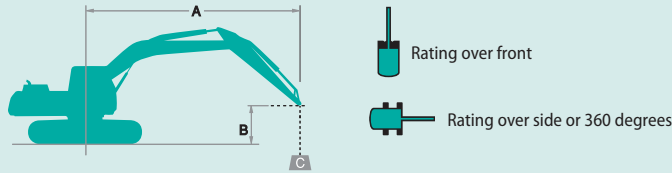
*Without including height of shoe lug

Operating Weight & Ground Pressure

In standard trim, with standard boom, 2.94 m arm, and 0.8 m³ ISO heaped bucket

Shaped	Triple grouser shoes (even height)	
Shoe width	mm	550
Ground pressure	kPa	58
Operating weight	kg	24,300

Lifting Capacities



A: Reach from swing centerline to arm top
 B: Arm top height above/below ground
 C: Lifting capacities in Kilograms
 Bucket: Without bucket
 Relief valve setting: 37.8 MPa (385 kgf/cm²)

SK240SN		Boom: 5.65 m Arm: 2.4 m Bucket: without Shoe: 550 mm (Heavy Lift)											
A \ B	B	3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius	
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees		
7.5 m	kg										*6,370	5,780	5.58 m
6.0 m	kg					*6,570	5,180				*5,800	4,220	6.80 m
4.5 m	kg			*8,380	7,680	*7,030	5,020	5,860	3,560	*5,650	3,540	7.52 m	
3.0 m	kg			*10,230	7,100	*7,820	4,780	5,770	3,470	5,330	3,210	7.89 m	
1.5 m	kg			*11,680	6,650	7,810	4,550	5,650	3,370	5,180	3,100	7.97 m	
G.L.	kg			11,920	6,460	7,650	4,410	5,580	3,310	5,340	3,170	7.75 m	
-1.5 m	kg	*11,480	*11,480	*11,550	6,440	7,610	4,380			5,890	3,480	7.22 m	
-3.0 m	kg	*13,350	12,220	*10,030	6,560	*7,310	4,480			*6,700	4,240	6.29 m	
-4.5 m	kg			*6,360	*6,360					*5,820	*5,820	4.72 m	

SK240SN		Boom: 5.65 m Arm: 2.94 m Bucket: without Shoe: 550 mm (Heavy Lift)												
A \ B	B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	
7.5 m	kg							*5,330	5,260			*4,300	*4,300	6.26 m
6.0 m	kg							*5,940	5,240			*3,980	3,730	7.36 m
4.5 m	kg							*6,490	5,060	5,890	3,580	*3,890	3,180	8.03 m
3.0 m	kg					*9,450	7,230	*7,360	4,800	5,760	3,460	*3,970	2,910	8.38 m
1.5 m	kg					*11,150	6,700	7,820	4,550	5,620	3,340	*4,200	2,810	8.45 m
G.L.	kg			*6,370	*6,370	11,890	6,420	7,610	4,370	5,520	3,240	*4,640	2,860	8.25 m
-1.5 m	kg	*6,730	*6,730	*11,090	*11,090	*11,770	6,340	7,530	4,300	5,490	3,220	5,260	3,100	7.75 m
-3.0 m	kg	*11,760	*11,760	*14,800	11,950	*10,660	6,410	7,580	4,340			6,250	3,660	6.89 m
-4.5 m	kg			*11,000	*11,000	*8,060	6,650					*6,070	5,100	5.50 m

SK240SN		Boom: 2 piece Arm: 2.4 m Bucket: without Shoe: 550 mm (Heavy Lift)												
A \ B	B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	
9.0 m	kg											*7,980	*7,980	3.73 m
7.5 m	kg					*8,840	8,210					*6,070	5,260	5.80 m
6.0 m	kg					*9,010	8,020	*5,600	5,030			*5,140	3,840	6.97 m
4.5 m	kg					*10,120	7,470	*4,780	*4,780	*5,250	3,340	*4,730	3,190	7.68 m
3.0 m	kg			*14,160	*14,160	*11,260	6,740	7,890	4,510	*5,510	3,240	*4,590	2,880	8.05 m
1.5 m	kg			*15,820	12,750	*11,620	6,190	7,570	4,230	5,450	3,110	*4,660	2,770	8.12 m
G.L.	kg	*25,340	*25,340	*17,910	11,480	*10,810	5,970	7,380	4,070	5,370	3,040	*4,940	2,840	7.91 m
-1.5 m	kg			*15,680	11,090	*9,070	5,980	*7,040	4,040			*4,820	3,130	7.39 m
-3.0 m	kg			*9,830	*9,830	*6,260	6,150	*4,600	4,180			*3,560	*3,560	6.48 m

SK240SN		Boom: 2 piece Arm: 2.94 m Bucket: without Shoe: 550 mm (Heavy Lift)												
A \ B	B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	
9.0 m	kg					*5,890	*5,890					*4,940	*4,940	4.74 m
7.5 m	kg					*6,780	*6,780	*5,690	5,170			*4,050	*4,050	6.49 m
6.0 m	kg					*6,880	*6,880	*4,630	*4,630	*4,110	3,450	*3,710	3,400	7.55 m
4.5 m	kg			*10,470	*10,470	*9,190	7,690	*7,640	4,910	*4,830	3,410	*3,590	2,880	8.21 m
3.0 m	kg	*31,530	*31,530	*16,390	12,720	*10,820	6,940	7,980	4,580	*4,790	3,260	*3,620	2,620	8.55 m
1.5 m	kg			*17,880	11,330	*11,570	6,300	7,610	4,270	*5,150	3,110	*3,780	2,520	8.62 m
G.L.	kg	*19,960	*19,960	*14,880	10,970	*11,210	5,970	7,370	4,060	5,330	3,000	*4,120	2,560	8.42 m
-1.5 m	kg			*10,010	*10,010	*9,840	5,900	7,280	3,980	5,310	2,980	*4,700	2,790	7.93 m
-3.0 m	kg			*8,610	*8,610	*7,450	6,010	*5,650	4,050			*3,790	3,300	7.10 m
-4.5 m	kg			*11,930	*11,930	*6,740	6,370					*1,830	*1,830	5.76 m

Notes:

- 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.
- 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.
- Arm top defined as lift point.
- 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.
- Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE

- Engine, HINO J05EUM-KSSS, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V - 112Ah)
- Starting motor (24V - 5 kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner

CONTROL

- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost
- Heavy lift
- Object Handling Kit (Boom and arm safety valve + hook)
- Extra N&B piping (Proportional hand controlled)

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
- Tow eyes
- Lower frame underside cover

HYDRAULIC

- Arm regeneration system
- Auto warm up system
- Aluminum hydraulic oil cooler
- Hydraulic fluid filter clog detector
- Hydraulic pressure adjustment function for N&B piping
- Quick hitch piping

MIRRORS, LIGHTS & CAMERA

- Rear view mirrors
- Three front working lights (two for boom and one for right storage box)
- Rear & right side view camera

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
- Suspension seat (Standard for N&B piping specification)
- Air suspension seat with heater
- EU radio (AUX, USB, and Bluetooth)
- Top guard (ISO10262:1998 level II)
- Remote machine monitoring system "KOMEXS"
- Refilling pump
- 12V outlet

UNDERCARRIAGE

- Reinforced undercarriage
- Reinforced travel motor cover
- Lower under cover
- HD shoe plate (550mm)
- Reinforced track link
- Three track guides each side
- Tow eyes

OPTIONAL EQUIPMENT

- Various optional arms
- Two cab lights
- Extended hand rail
- Rain visor (May interfere with bucket action)

- N&B piping (Proportional hand controlled)
- Front guard (ISO 10262:1998 level II)
- Air suspension seat with heater (Optional for N&B piping specification)

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.

Specialist equipment is needed to use this machine 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.

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