KOBELCO

SK235SR SK270SRLC

We Save You Fuel
Achieving a Low-Carbon Society

Power Meets Efficiency

With iNDr for even quieter operation.

"KOBELCO has made the short rear swing excavator the standard for mid-sized machines. And with ongoing development in innovations such as the iNDr noise reduction system that both shuts out dust and cuts noise, KOBELCO is boosting value and leading the industry with construction machinery ideally suited to the urban environment.
The new SK235SR SK270SRLC retains the compact shape and iNDr system advantages that KOBELCO has pioneered, but it has been fitted with a new and larger engine assembly for improved environmental protection. Low fuel consumption is balanced against work performance, and machine durability has been advanced.
The new worldwide-model SK235SR/SK270SRLC. Working for the planet."

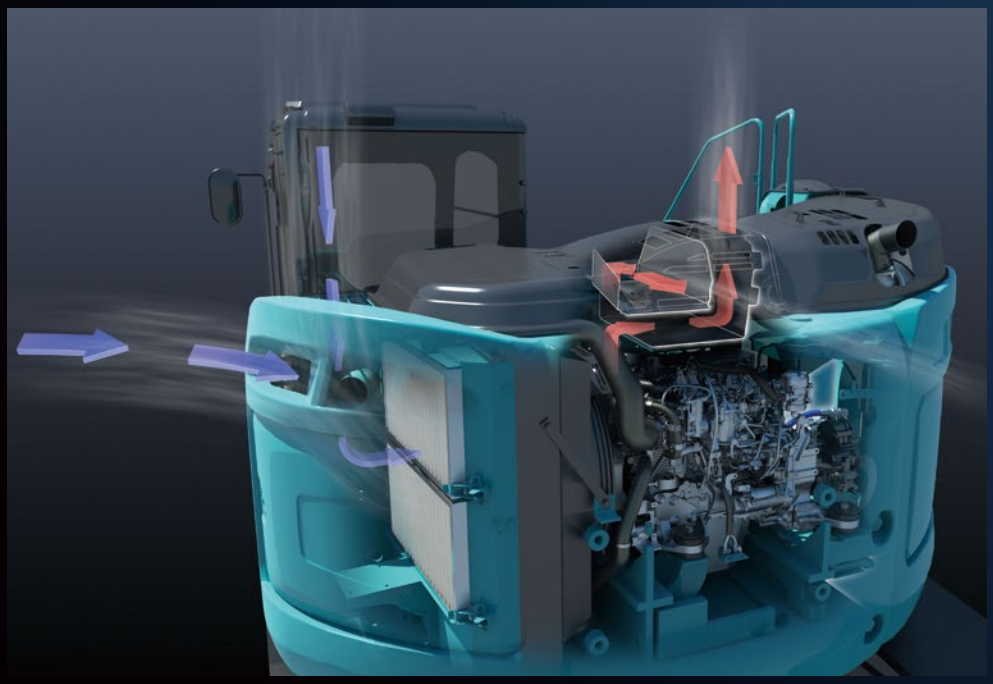
iNDr Integrated Noise & Dust Reduction Cooling System

SK235SR SK270SRLC

Low Noise and Easy Maintenance Mean Greater
A New Design Approach Leads to a Revolutionary

By reviewing the iNDr configuration, Kobelco achieved both great visibility and a compelling design even though the engine compartment has been enlarged to meet Stage V standards, maintaining the value of iNDr.

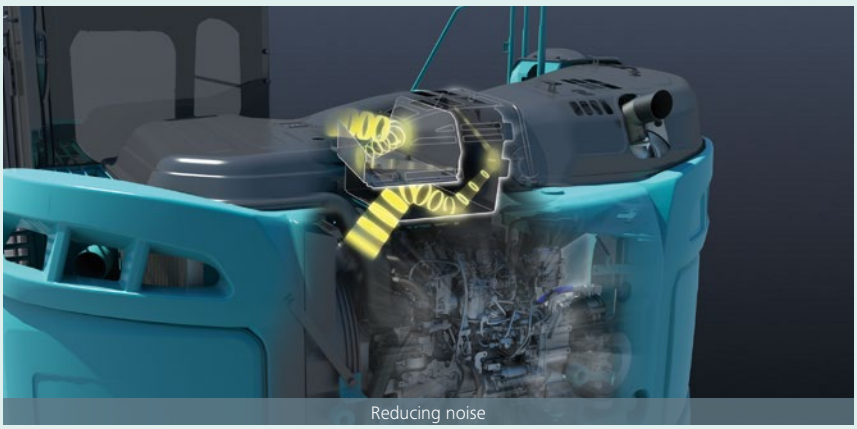
iNDr absorbs sound energy to minimize noise by making a path of air, which cools down engine, as one engine cooling ducts. The new model is equipped with a selective catalytic reduction (SCR) unit, which required a new design with two offset ducts on top. This allows ample space to absorb engine noise, making these new excavators as quiet as conventional models.



The Results Are Exceptional. The Big Merits:

"Ultimate Low Noise" is achieved by minimizing sound leakage during operation

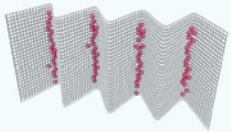
Kobelco's "Ultimate Low Noise" system exceeds all noise standards. Noise from the engine and cooling fan is absorbed by the duct, reducing machine's noise signature to the lowest in the industry. Perfect for urban utility renewal projects.



Reducing noise

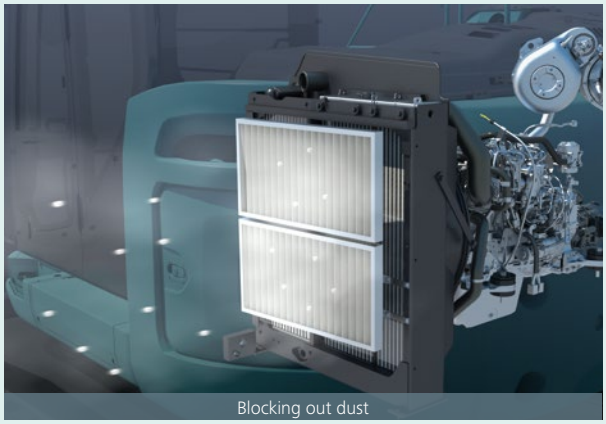
Eliminating dust maintains cooling system performance

The high-density 60-mesh filter* blocks out dust in the intake air. This prevents clogging of the cooling system and the air cleaner, which maintains peak performance. The waveform filter allows air through the tops of the waves while collecting dust at the bottom, ensuring a smooth airflow.



How the filter catches dust

* "60-mesh" means that there are 60 holes formed by horizontal and vertical wires in every square inch of filter.



Blocking out dust

Easy filter maintenance system simplifies cleaning

Daily inspection consists of a visual check of the iNDr filter only. If it looks dirty, it can be removed and washed without special tools.

Value Than Ever
Double Offset Duct Structure

Wide, clear view to the rear

Even with the larger engine compartment, the design minimizes hood height, ensuring an excellent direct view to the rear. In addition, the operator can monitor conditions behind the machine with clear, wide-angle images from the rear-view camera, which comes as standard equipment.

NOx emissions cut:

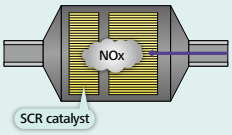
New, Environmentally Friendly Engine

SCR System with Urea

NEW

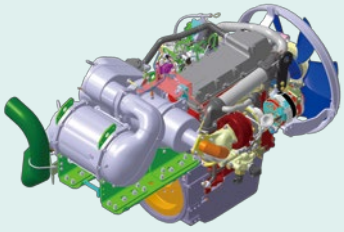
The engine exhaust system has an SCR system that converts NOx emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disposes of PM, the SK235SR/SK270SRLC has a much cleaner exhaust that meets Stage V exhaust emission standards.

■ NOx reduction rate
(Compared to previous models)
About **88%** decrease



Reduces fuel consumption and minimizes exhaust emissions

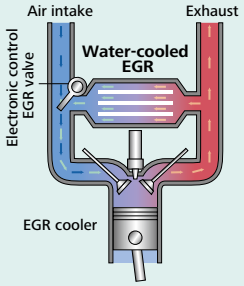
Hino engines are renowned for fuel efficiency and environmental performance, and KOBELCO has tuned them specifically for construction machinery. The high-pressure common rail fuel injection system, the variable-geometry (VG) turbocharger, and the exhaust gas recirculation (EGR) system reduce particulate matter (PM) while the large EGR cooler greatly reduces the formation of Nitrogen Oxide (NOx) gases.



At high temperatures, nitrogen and oxygen combine to produce nitrous oxides (NOx). Reducing the amount of oxygen and lowering the combustion temperature results in much less NOx.

EGR cooler

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the intake air and recirculated into the engine. This reduces oxygen content and lowers combustion temperature.

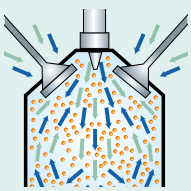


PM emissions cut:

Particulate matter (PM) is mostly soot resulting from incomplete combustion; Improved combustion efficiency reduces PM emissions. filter further reduces PM emissions.

Common rail system

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



Common rail system

Unbeatable Cost Performance

Greater Work Capacity: Exceeding Expectations in 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)

■ Max. bucket digging force (Power Boost engaged)

157kN (ISO 6015)

■ Max. arm crowding force (Power Boost engaged)

112kN (ISO 6015)

In Pursuit of Improved Fuel Efficiency

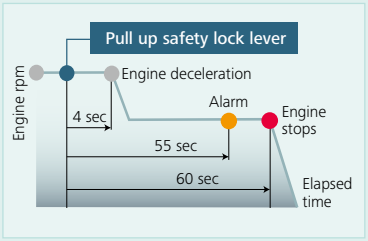
Operation Mode

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

■ Compared to previous models

S S-mode
• • • • About 5% improvement

E ECO-mode
• • • About 20% 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 CO_2 emissions as well.

Hydraulic system engineered to reduce energy loss

Kobelco's proprietary hydraulic systems offer hydraulic line positioning that reduces friction resistance and valves designed for higher efficiency, minimizing energy loss throughout the system.

Always and forever. Yesterday, today, and tomorrow. We're obsessed with fuel efficiency

Over the past 8 years, KOBELCO has achieved an average fuel consumption reduction of 27% across its fleet. We vow to lead the industry in improving fuel efficiency.

■ Compared to SK235SRLC-IES (2004)

E ECO-mode (SK270SRLC-5) • • • About 27% improvement

Ideal for Urban Work Sites Provides a Broad Working Range, Even in Close Quarters

Minimal swing radius improves efficiency

The tail of the upper body extends very little past the crawlers, so the operator can concentrate on the job at hand. This also reduces the risk of collision damage.

Easy workability in less than 3,680mm of space

The compact design allows continuous 180° dig, swing, and load operations within a working space of just 3.68m.

Seamless feeling, smooth combined operations

The machines have inherited the various systems that make inching and combined operations easy and accurate. Leveling and other combined operations can be carried out with graceful ease.

Swing operation cuts cycle times

Fast cycle times as a result of fast swing and boom operations.

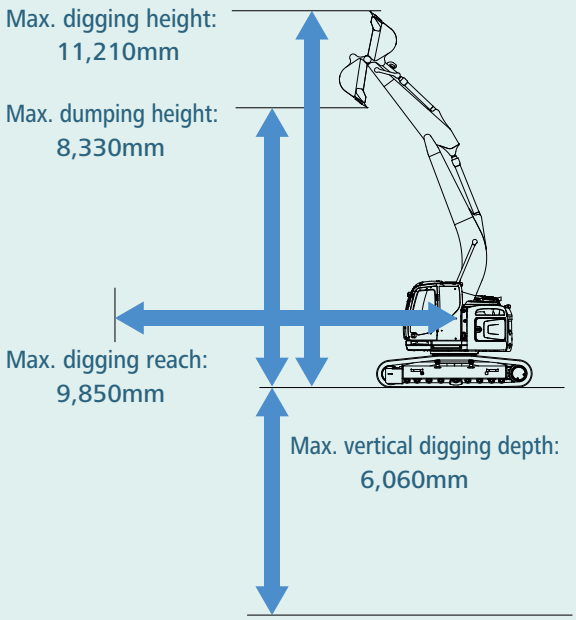
Strong drawbar pulling force produces powerful travel capabilities

These new excavators handle steep slopes and rough roads with ease while ensuring smooth changes in direction.

Drawber pulling force:246kN

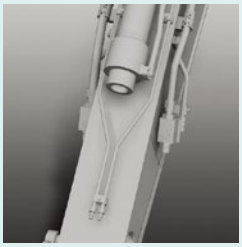
Excellent working ranges

Greater working ranges with class-topping vertical digging depth.



Easy hydraulic piping for quick hitch

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



Comprehensive Safety and Intuitive Operation

User-friendly design and enhanced safety means greater efficiency and productivity.

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.

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.

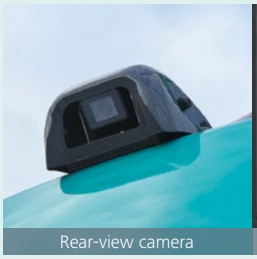
Top Guard level II
(Meets ISO10262)

Mounting brackets for vandalism guards are standard equipment (contact your KOBELCO dealer to fit vandalism).

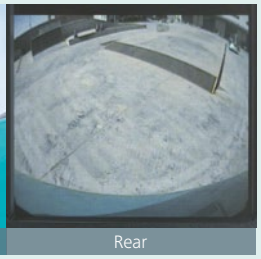
Expanded field of view for greater safety

Left and right rear-view mirrors/Right bottom clearance mirror

Rear view from cab

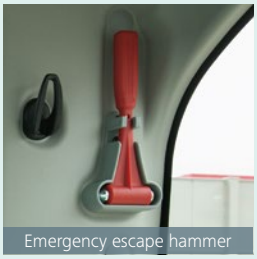


Rear-view camera

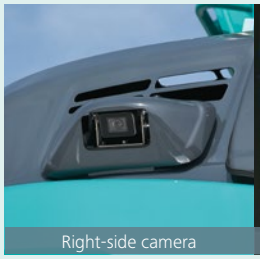


Rear

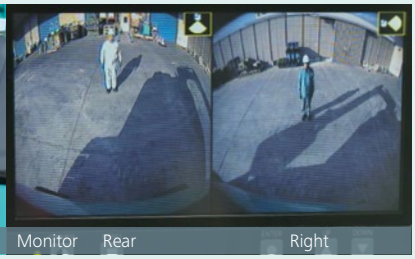
Option right side camera NEW



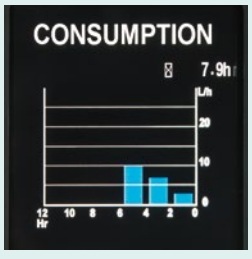
Emergency escape hammer



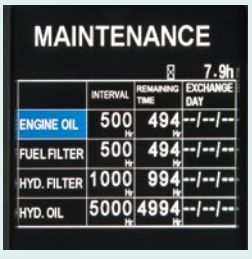
Right-side camera



PM accumulation display (left)/
Urea level gauge (right)



Fuel consumption



Maintenance

Breaker mode

Nibbler mode

Cab Design That Puts the Operator First

Wide and open, the cab's interior overflows with features that streamline operation

Comfort

Big roomy cab

The cube design makes the most of straight lines, so the cab interior is 4% more spacious than before. Operating space literally spreads out before the operator. And the 50Pa airtightness keeps dust outside.

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.

Wide-open field of view

On the right side, the large single window has no center pillar, and the whole cab is designed for a wide field of view, giving the operator a direct view ahead and to the left and right. Mirror makes it easy for the operator to make sure things are safe all around.

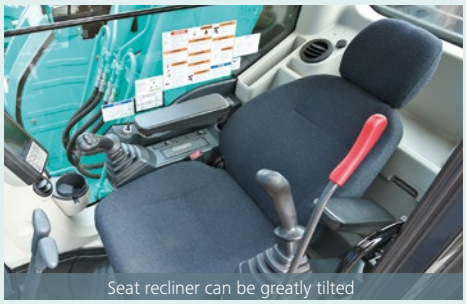
Wide doors and ample head clearance mean smooth entry and exit

The control box and safety lock lever tilt up at a larger angle, and the door handle height is positioned for easy cab entry and exit.

More comfortable seat means higher productivity

The cab interior offers a host of operator comforts. The seat guarantees comfort whether on the job or at rest, and everything is ergonomically planned and laid out for smooth, stress-free operation.

Seat suspension absorbs vibration



Seat recliner can be greatly tilted

Double slides allow adjustment for optimum comfort

Equipment designed for comfort and convenience

AM/FM Bluetooth® (hands-free) radio NEW

Audio streaming and hands free phone calling capability.

Powerful automatic air conditioner

Also standard is an automatic air conditioner that maintains a comfortable interior environment all year around.

Spacious storage tray

Large cup holder

USB/AUX

12V power outlet

Proper Maintenance Ensures Peak Efficiency

Kobelco machines are designed for quick, simple inspection and maintenance.

Machine Information Display Function

- 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

Maintenance information display

Easy, on-the-spot maintenance NEW

Urea tank
Urea filler cap is placed on the step for easy access.

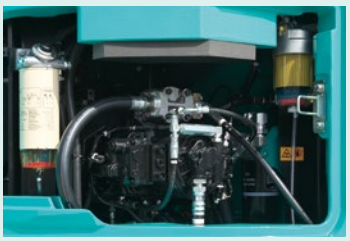
Engine maintenance
Setting up maintenance area one step down allows easy to access to the engine.

Handrail
The handrail on the step side allows easy access to the maintenance port on the upper arm.

Maintenance work, daily checks, etc. can be done from ground level

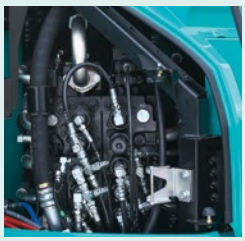
The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.

Engine oil filter



Fuel filter with built-in water-separator

iNDr filter/radiator reservoir tank/air cleaner



Control valve

Fast maintenance requires only a few procedures

Washer fluid tank is located under the cab floor mat.

Engine oil quick-drain valve can be turned without special tool.

Fuel tank features bottom flange and large drain valve.

Quality That Keeps on Shining. Valuable Assets Take Your Business to the Next Level

Structural strength and proven reliability mean these machines can deal with heavy work loads and perform in rigorous site environments. From the lifecycle viewpoint,these machines maintain their value throughout their service lives.

Improved Filtration System Reliability

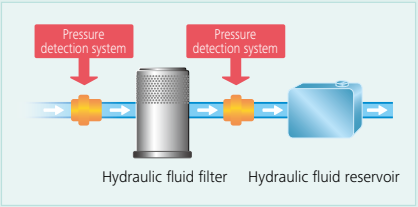
Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

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

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.



Enlarged fuel filter NEW

The enlarged fuel filter with built-in water separator maximizes filtering performance.

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

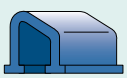
The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.

Double-element air cleaner

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

Easy cleaning saves time

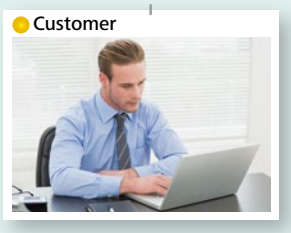
Detachable two-piece floor mat has handles for easy removal.
The mat's raised edges trap dirt and grit for easy cleaning.



Special crawler frame design makes it easy to clean off mud.

GEOSCAN

Excavator Remote Monitoring System



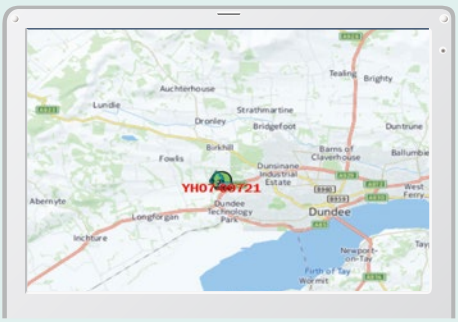
Remote monitoring for peace of mind

GEOSCAN 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.

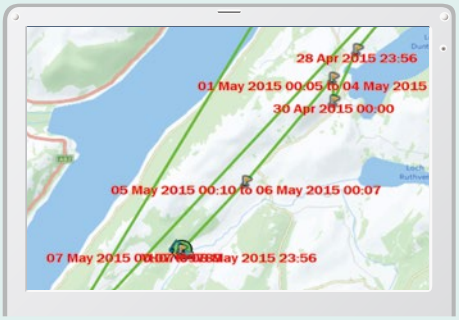
Direct Access to Operational Status

Location data

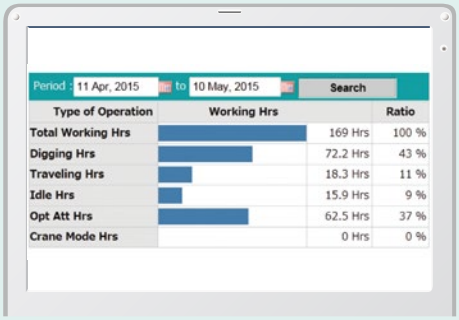
• Accurate location data can be obtained even from sites where communications are difficult.



Latest location



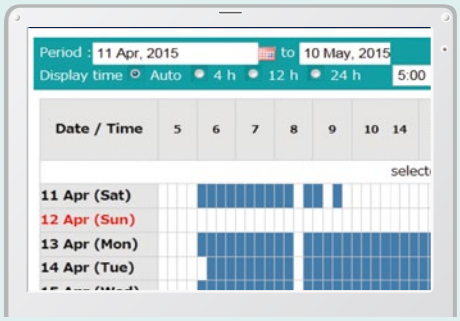
Location records



Work data

Operating hours

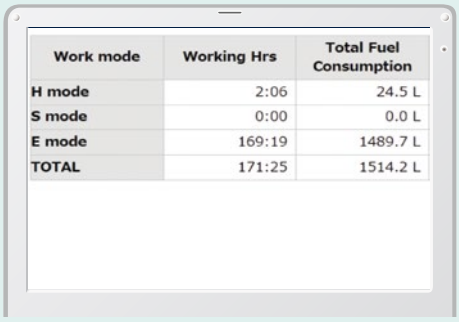
•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel consumption data

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

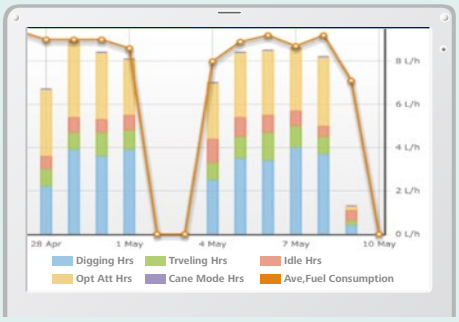


Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

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.

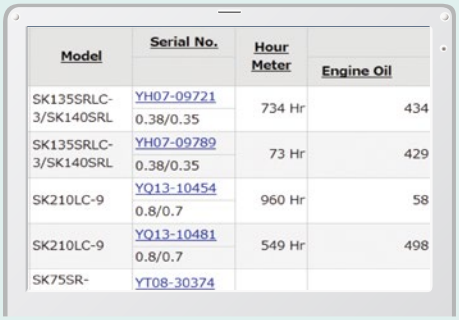


Work status

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		

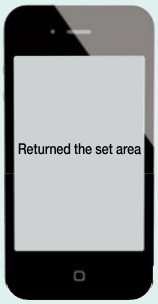
Maintenance

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.



Messages displayed when the machine returns to the set area.

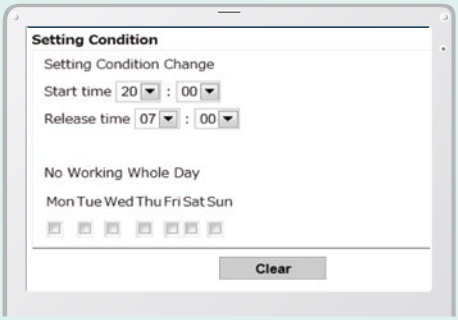
Daily/Monthly reports

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

Security system

Engine start alarm

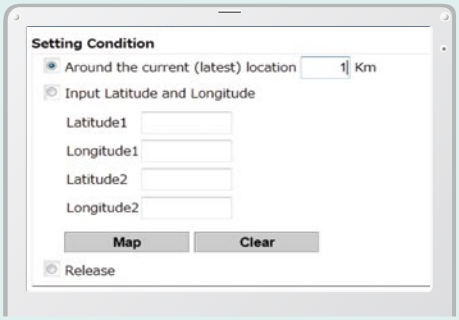
•The system can be set an alarm if the machine is operated outside designated time.



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.



Alarm for outside of reset area

Specifications

Engine

Model	HINO J05EVA-KSDS
Type	Direct injection, water cooled, 4-cycle, 4-cylinder diesel engine with intercooler turbo-charger (Stage V)
No. of cylinders	4
Bore and stroke	112 mm x 130 mm
Displacement	5.123 L
Rated power output	119kW/2,000 min^{-1} (ISO 9249)
	124kW/2,000 min^{-1} (ISO 14396)
Max. torque	640N·m/1,600 min^{-1} (ISO 9249)
	660N·m/1,600 min^{-1} (ISO 14396)

Hydraulic System

Pump	
Type	Two variable displacement piston pumps + one gear pump
Max. discharge flow	2 x 220 L/min, 1 x 20 L/min
	Extra gear pump 1 x 55 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	28.4 MPa {290kgf/cm^2}
Control circuit	5.0 MPa {50 kgf/cm^2}
Pilot control pump	Gear type
Main control valves	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 the neutral position
Parking brake	Oil disk brake, hydraulic operated automatically
Swing speed	10.2 min^{-1} {rpm}
Swing torque	85.9 kN·m
Tail swing radius	1,720mm
Min. front swing radius	1,960mm

Travel System

Travel motors		2 x axial piston, two-speed motors
Travel brakes		Hydraulic brake per motor
Parking brakes		Oil disk brake per motor
Travel shoes	SK235SR	47 each side
	SK270SRLC	51 each side
Travel speed		5.2 / 3.2 km/h
Drawbar pulling force		246 kN {25,000kgf} (ISO 7464)
Gradeability		70% {35°}

Cab & Control

Cab
All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts 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	125 mm x 1,320 mm
Arm cylinder	135 mm x 1,558 mm
Bucket cylinder	120 mm x 1,080 mm

Refilling Capacities & Lubrications

Fuel tank	330 L
Cooling system	24 L
Engine oil	20.5 L
Travel reduction gear	2 x 5.0 L
Swing reduction gear	5.0 L
Hydraulic oil tank	114 L tank oil level
	230 L hydraulic system
DEF/Urea tank	33.9 L

Attachments

Backhoe bucket and combination

Use			Backhoe bucket			
			Normal digging			
Bucket capacity	ISO heaped	m^3	0.51	0.7	0.8	0.93
	struck	m^3	0.39	0.52	0.59	0.67
Opening width	With side cutters	mm	870	1,080	1,160	1,330
	Without side cutters	mm	770	980	1,060	1,230
No. of bucket teeth			3	5	5	5
Bucket weight		kg	520	630	650	710
Combinations	2.94 m arm		○	○	◎	△

◎ Standard ○ Recommend △ Loading only

Working Ranges

Unit: m

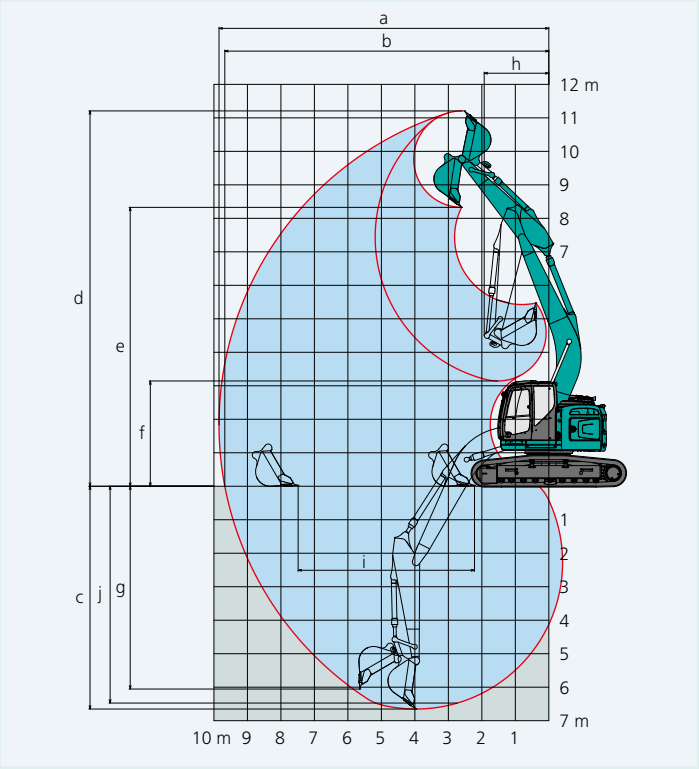
Boom	5.65m
Arm / Range	2.94m
a- Max. digging reach	9.85
b- Max. digging reach at ground level	9.68
c- Max. digging depth	6.65
d- Max. digging height	11.21
e- Max. dumping clearance	8.33
f- Min. dumping clearance	3.14
g- Max. vertical wall digging depth	6.06
h- Min. swing radius	1.96
i- Horizontal digging stroke at ground level	5.27
j- Digging depth for 2.4 m (8') flat bottom	6.47
Bucket capacity ISO heaped m³	0.80

Digging Force (ISO 6015)

Unit: kN

Arm length	2.94m
Bucket digging force	143 157*
Arm crowding force	102 112*

*Power Boost engaged.



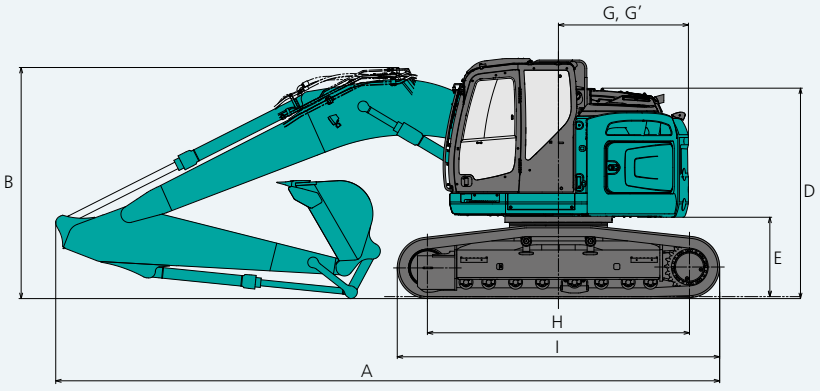
Dimensions

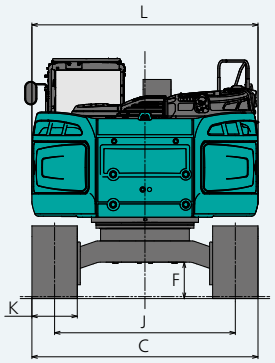
Unit: mm

Arm length			2.94m
A	Overall length	SK235SR	8,780
		SK270SRLC	8,970
B	Overall height (to top of boom)		3,060
C	Overall width	SK235SR	2,990
		SK270SRLC	3,190
D	Overall height (to top of cab)		3,180
E	Ground clearance of rear end*		1,050
F	Ground clearance*		455
G	Tail swing radius		1,720

G'	Distance from center of swing to rear end		1,720
H	Tumbler distance	SK235SR	3,470
		SK270SRLC	3,850
I	Overall length of crawler	SK235SR	4,260
		SK270SRLC	4,640
J	Track gauge	SK235SR	2,390
		SK270SRLC	2,590
K	Shoe width		600
L	Overall width of upperstructure		2,990

*Without including height of shoe lug.





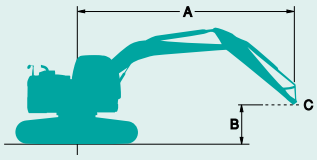
Operating Weight & Ground Pressure

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		600*1	700	800
Overall width	mm	SK235SR	2,990	3,090	3,190
		SK270SRLC	3,190	3,290	3,390
Ground pressure	kPa	SK235SR	54	47	42
		SK270SRLC	50	44	39
Operating weight	kg	SK235SR	24,900	25,200	25,400
		SK270SRLC	25,400	25,800	26,100

*1. Dozer is only applicable for 600mm shoe (SK235SR) specification.

Lift Capacities



Rating over front

Rating over side or 360 degrees

A: Reach from swing centerline to arm top
B: Arm top height above/below ground
C: Lift point
Bucket: Without bucket
Relief valve setting: 37.8 Mpa { 385 kgf/cm²}

Mono Boom Specifications

SK235SR — Arm: 2.94m Bucket: Without Counterweight: 5,910kg Shoe: 600 mm HEAVY WEIGHT

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
9.0m	kg											*5,200	*5,200	4.35m
7.5m	kg					*6,740	*6,740	*5,130	5,110			*4,280	*4,280	6.20m
6.0m	kg					*7,010	*7,010	*6,380	5,110			*3,960	3,610	7.30m
4.5m	kg			*10,120	*10,120	*8,160	7,780	*6,820	4,920	5,040	3,410	*3,870	3,050	7.97m
3.0m	kg			*11,240	*11,240	*9,700	7,140	6,980	4,640	4,910	3,290	*3,950	2,760	8.32m
1.5m	kg					10,500	6,570	6,680	4,360	4,770	3,150	4,020	2,660	8.40m
G.L.	kg			*6,650	*6,650	10,130	6,250	6,460	4,170	4,660	3,060	4,110	2,700	8.19m
-1.5m	kg	*6,760	*6,760	*11,350	*11,350	10,020	6,160	6,370	4,090	4,640	3,030	4,480	2,940	7.70m
-3.0m	kg	*11,830	*11,830	*11,340	*11,340	*8,670	6,230	6,420	4,140			*5,070	3,500	6.84m
-4.5m	kg			*7,110	*7,110	*5,560	*5,560					*4,040	*4,040	5.45m

SK235SR — Arm: 2.94m Bucket: Without Counterweight: 5,910kg+1,400kg Shoe: 600 mm HEAVY WEIGHT

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
9.0m	kg											*5,200	*5,200	4.35m
7.5m	kg					*6,740	*6,740	*5,130	*5,130			*4,280	*4,280	6.20m
6.0m	kg					*7,010	*7,010	*6,380	5,780			*3,960	*3,960	7.30m
4.5m	kg			*10,120	*10,120	*8,160	*8,160	*6,820	5,590	5,670	3,910	*3,870	3,520	7.97m
3.0m	kg			*11,240	*11,240	*9,700	8,130	*7,470	5,310	5,540	3,800	*3,950	3,210	8.32m
1.5m	kg					*10,880	7,550	7,530	5,030	5,400	3,660	*4,180	3,100	8.40m
G.L.	kg			*6,650	*6,650	*11,080	7,230	7,310	4,840	5,290	3,560	*4,620	3,160	8.19m
-1.5m	kg	*6,760	*6,760	*11,350	*11,350	*10,340	7,140	7,230	4,760	5,270	3,540	5,090	3,430	7.70m
-3.0m	kg	*11,830	*11,830	*11,340	*11,340	*8,670	7,210	*6,440	4,810			*5,070	4,070	6.84m
-4.5m	kg			*7,110	*7,110	*5,560	*5,560					*4,040	*4,040	5.45m

SK270SRLC — Arm: 2.94m Bucket: Without Counterweight: 5,910kg Shoe: 600 mm HEAVY LIFT

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
9.0m	kg											*5,200	*5,200	4.35m
7.5m	kg					*6,740	*6,740	*5,130	*5,130			*4,280	*4,280	6.20m
6.0m	kg					*7,010	*7,010	*6,380	5,720			*3,960	*3,960	7.30m
4.5m	kg			*10,120	*10,120	*8,160	*8,160	*6,820	5,530	5,950	3,840	*3,870	3,450	7.97m
3.0m	kg			*11,240	*11,240	*9,700	8,120	*7,470	5,240	5,820	3,720	*3,950	3,140	8.32m
1.5m	kg					*10,870	7,530	8,000	4,960	5,670	3,590	*4,180	3,020	8.40m
G.L.	kg			*6,650	*6,650	*11,080	7,200	7,780	4,760	5,560	3,490	*4,620	3,080	8.19m
-1.5m	kg	*6,760	*6,760	*11,350	*11,350	*10,340	7,100	7,690	4,680	5,540	3,460	5,340	3,350	7.70m
-3.0m	kg	*11,830	*11,830	*11,340	*11,340	*8,670	7,180	*6,440	4,730			*5,070	3,990	6.84m
-4.5m	kg			*7,110	*7,110	*5,560	*5,560					*4,040	*4,040	5.45m

SK270SRLC — Arm: 2.94m Bucket: Without Counterweight: 5,910kg+1,400kg Shoe: 600 mm HEAVY LIFT

A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
9.0m	kg											*5,200	*5,200	4.35m
7.5m	kg					*6,740	*6,740	*5,130	*5,130			*4,280	*4,280	6.20m
6.0m	kg					*7,010	*7,010	*6,380	*6,380			*3,960	*3,960	7.30m
4.5m	kg			*10,120	*10,120	*8,160	*8,160	*6,820	6,240	*6,050	4,380	*3,870	*3,870	7.97m
3.0m	kg			*11,240	*11,240	*9,700	9,170	*7,470	5,950	*6,270	4,260	*3,950	3,610	8.32m
1.5m	kg					*10,870	8,570	*8,030	5,670	6,360	4,120	*4,180	3,490	8.40m
G.L.	kg			*6,650	*6,650	*11,080	8,240	*8,190	5,470	6,250	4,020	*4,620	3,560	8.19m
-1.5m	kg	*6,760	*6,760	*11,350	*11,350	*10,340	8,150	*7,750	5,390	*5,770	4,000	*5,420	3,870	7.70m
-3.0m	kg	*11,830	*11,830	*11,340	*11,340	*8,670	8,220	*6,440	5,440			*5,070	4,590	6.84m
-4.5m	kg			*7,110	*7,110	*5,560	*5,560					*4,040	*4,040	5.45m

1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
2. Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
3. Arm top defined as lift point.
4. The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.
6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE
- Engine, HINO J05EVA-KSDS engine with turbocharger and intercooler, Stage V certified
- Automatic engine deceleration
- Auto idle Stop(AIS)
- Batteries (2 x12V - 92 Ah)
- Starting motor (24 V - 5kW), 60 A alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain valve
- Double element air cleaner

CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost
- Heavy lift
- Gear pump
- Extra N&B piping (proportional hand controlled)
- Quick Hitch piping

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

MIRRORS,LIGHTS & CAMERA
- Rear view mirrors, rearview camera
- Two front working lights

CAB & CONTROL
- Two control levers, pilot-operated
- Horn, electric
- Integrated left-right slide-type control box
- Cab light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
- Suspension seat with heater
- Seatbelt
- Headrest
- Handrails
- Heater and Defroster
- Intermittent windshield wiper with double-spray washer
- Sky light
- Top guard (ISO 10262 : 1998)
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Radio (AUX & Bluetooth®)
- Pressure release switch
- DPF switch
- 12V converter
- Hydraulic fluid filter clog detector
- Remote machine monitoring system "GEOSCAN"
- Travel alarm
- Lower under cover

OPTIONAL EQUIPMENT

- Wide range of shoes
- Front-guard protective structure (may interfere with bucket action)
- Add-on counterweight (+ 1400kg)
- Additional cab two light
- Air suspension seat
- Rain visor (may interfere with bucket action)
- Additional track guide
- Dozer blade(only for SK235SR with 600mm shoe)
- Right side view camera

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.

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