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Inquiries To:

Bulletin No. SK210HLC-10-NA-101-180300N

KOBELCO

Hydraulic Excavator

SK210HLC

SK210HLC-10

DRIVEN BY PASSION

■ **Bucket Capacity :**
0.92 - 1.22 cu. yd. SAE

■ **Engine Power :**
160 hp {119 kW} @ 2,000 rpm
(SAE NET)

■ **Operating Weight :**
52,500lbs {23,800kg}

HYBRID

Complies with the latest exhaust emission regulations
US EPA Tier IV Final
EU (NRMM) Stage IV
Japanese Regulations

Power Meets Efficiency

In 2006, KOBELCO developed the 8 ton SK80H, the world's first hybrid excavator. It was then followed by another industry first, the KOBELCO SK200H-9 hybrid to further reduce the environmental impact versus a conventional excavator.

Now, KOBELCO has reinvented the hybrid excavator with the SK210HLC-10 that has new technology using lithium-ion batteries, an industry first, where it can achieve better fuel economy and additional power to provide increased efficiency to be even more productive than a standard 20 ton excavator.

KOBELCO machines have always been known for their excellent fuel economy and now have set the new industry standard for hybrid excavators.

KOBELCO backs the hybrid technology with a 5 year/10,000 hour warranty on the hybrid components.

Increased POWER means increased PRODUCTIVITY

Greater fuel economy means higher efficiency

GENERATION 10

Hybrid System with extra electric power NEW

The KOBELCO revolutionary hybrid system has further evolved with the introduction of the SK210HLC-10. The new electric swing motor combined with the additional hybrid components are optimized for efficiency without sacrificing productivity. During heavy digging, the motor/generator/lithium-ion battery assist the engine and hydraulic pump in order to reduce fuel consumption and engine exhaust emissions. The components of the hybrid system work in harmony with the same size engine as a conventional SK210LC-10, therefore making the machine even faster for increased cycle times.

Into the era of “genuine hybrid machines”.

While the machine is digging or swinging, an assist from the generator motor greatly reduces the engine load and generate extra power. NEW

During high-load operation

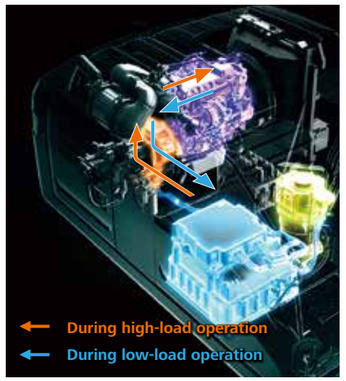
The stored electrical power in the Lithium-ion battery, now flows back to the motor/generator to assist the engine to power the hydraulic functions. Reducing the power demand on the diesel engine, reduces fuel flow and thereby increases overall efficiency.

During swing deceleration

The braking energy generated during swing deceleration is converted into electrical energy, and then the electricity is accumulated in the lithium-ion battery.

During low-load operation

The unused energy of the lightly loaded engine is used to generate electrical power, and recharge the lithium-ion battery to full stand by level.



Adoption of a lithium-ion battery for the first time in the excavator industry NEW

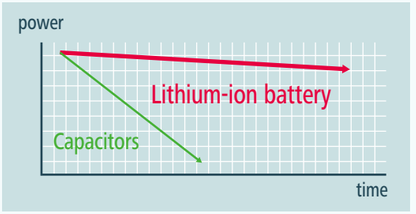
The adoption of the large-capacity lithium-ion battery provides mass energy storage for optimum efficiency.

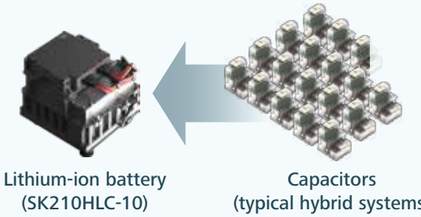
Runtime

17.6

times longer

Higher power capacity of the Lithium-ion battery provides longer, more consistent, engine assist power and independent swing.



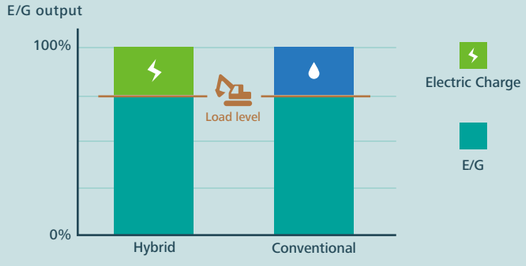


Lithium-ion battery (SK210HLC-10)

Capacitors (typical hybrid systems)

Hybrid Assist System

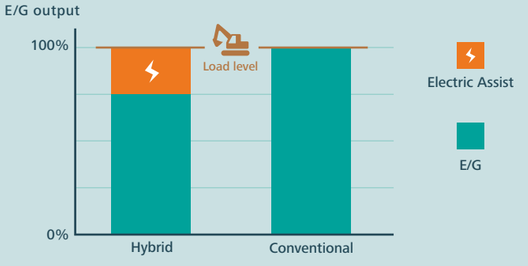
Light load



Hybrid
Unused or underutilized power is used to charge the battery.

Conventional
Unused power will be wasted just running engine.

Heavy load



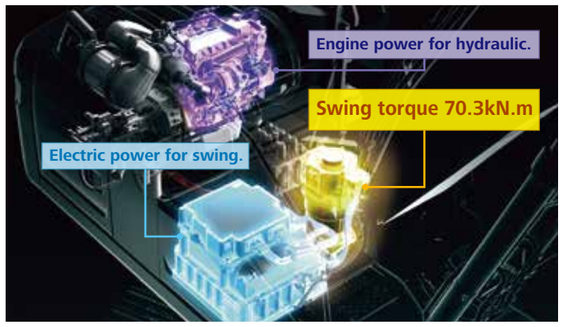
Hybrid
The previously stored electical power is sent back to the main engine during periods of heavy digging loads. This causes the diesel injection pump to reduce fuel injection quantity, thereby reducing fuel consumption.

Conventional
The engine demand is high and so fuel injection quantity to the main engine is at maxium to provide full power to the main pumps.

An independent swing electric system enable powerful and outstanding operability and performance for combined operation of swing and attachment. NEW

Powerful electric swing acceleration by independent electric system

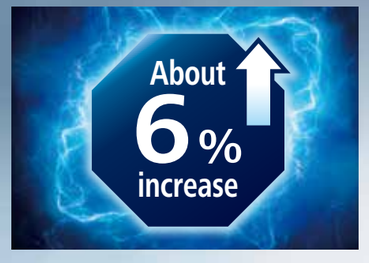
The swing motor is powered by electrical energy, stored in the lithium-ion battery.



More power and higher efficiency.

The KOBELCO's original hybrid system minimizes fuel consumption while maximizing power. With nimble movement and outstanding digging power, this excavator improves job productivity.

■ Digging volume/hour
(Compared to H-mode on SK210-10)



■ Max. Bucket Digging Force
With Power Boost: **35,300lbs (157kN) (ISO)**

■ Max. Arm Crowding Force
With Power Boost: **25,200lbs (112kN) (ISO)**

Drawbar Pulling Force

Excellent drawbar force lets you conquer rough terrain and slopes.

51,000lbs (227kN)

Up to 40% CO_2 reduction expected

compared to standard machine.
(Based on SK210LC-10 in H mode vs SK210HLC-10 in ECO-mode.)

■ CO_2 emissions

*CO_2 emission means Fuel emissions.

Increased POWER means increased PRODUCTIVITY

Power to do more, faster

Power Boost

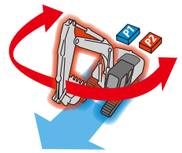
When you need more power instantly, engage Power Boost to get 10% more digging force, with no time limit.

Heavy Lift

10% more hydraulic pressure (Heavy Lift) means greater lifting power, at close radius, allowing for smooth and steady operation while moving heavy objects.

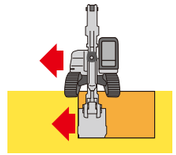
Independent Travel

Selecting Independent Travel dedicates one hydraulic pump to KOBELCO original travel and one to the attachment on a continuous basis, allowing for a smooth and constant movement speed even while swinging or using the boom or attachment. With Independent Travel, safely carrying a large pipe across a job site is a breeze.



Dedicated Electric Swing System (DESS)

The KOBELCO Hybrid utilizes a completely independent electric swing system, powered by the lithium-ion battery.
This system instantly delivers full swing torque during the combined operation, of swing and arm "in" required to dig against the sidewall of a trench.
There is no "sharing" of pressure or flow with this system, maximizing productivity.
The system functions automatically and independently, with no need to operator input.
This optimizes side-digging and back fill operations.



Greater fuel economy means higher efficiency

Revolutionary technology boosts efficiency and minimizes fuel consumption

Fuel Efficiency

The hybrid system continuously provides reduced fuel consumption, while boosting efficiency in all modes. For jobs where fuel efficiency is more of a concern, the operator can select "S" or "ECO" mode to even further reduce fuel consumption while maintaining machine performance.

H mode•••• About **13%** improvement
Comparison with the conventional standard machine (SK210LC-10)

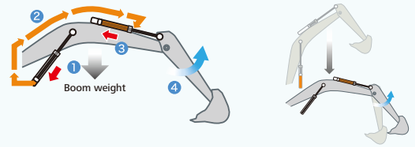
S mode•••• About **24%** improvement
Comparison with the H-mode (SK210HLC-10)

E ECO-mode•About **31%** improvement
Comparison with the H-mode (SK210HLC-10)

* The percentages are approximate improvement rates.

Boom to Arm Regeneration System NEW

Innovative engineering uses the downward movement of the boom to push fluid to extend the arm. Gravity and kinetic energy greatly reduce the amount of power needed to move fluid through the system.



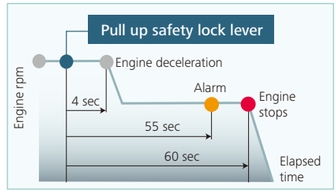
1. The boom weight puts force on the boom cylinder
2. Hydraulic fluid pushed from the boom cylinder goes to the arm cylinder
3. Arm cylinder retracts
4. Arm extends

Hydraulic circuit reduces energy loss

Improved hydraulic line layout minimizes hydraulic pressure resistance from turbulence and valve restrictions. Fuel efficiency is increased because it takes less energy to move fluid through a circuit with low flow resistance.

AIS (Auto Idle Stop)

The engine will stop automatically after 60 seconds of inactivity if the safety lock lever is in the up position. This eliminates wasteful idling during standby, saving fuel and reducing CO_2 emissions.



Conforms to Tier IV Final exhaust emissions standards

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 and cooler reduce particulate matter (PM) and minimizes formation of Nitrogen Oxide (NOx)

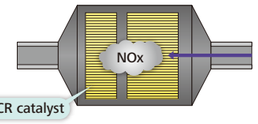
SCR System with DEF

Engine exhaust system utilizes Selective Catalytic Reduction (SCR) to convert NOx* into harmless nitrogen and water emissions. SCR combined with a Diesel Particulate Filter (DPF) makes the SK210LC a much cleaner machine meeting US EPA regulations for Tier IV final.This approach allows KOBELCO to tune the engine for maximum efficiency and performance.

Nox reduction rate
(Compared to previous models)

About 88% decrease*

*88% cleaner than Tier IV Interum

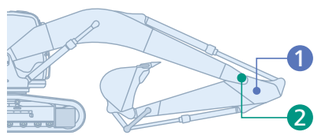


Increased power with enhanced durability to maintain the machine's value

Smart system design increases strength and eliminates hydraulic problems. Enhanced reliability and durability takes productivity to a new level.

Built to operate in tough working environments

Reinforced and redesigned boom and arm offers excellent durability during demanding work conditions to reliably handle higher work volume.

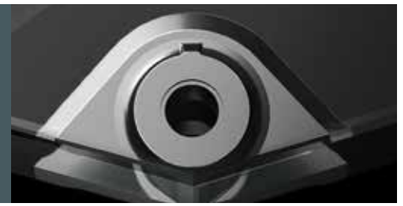


1 Enlarged reinforcement of the arm

Arm: Base plate thickness has been increased.

2 Modified foot boss shape

Arm foot boss shape has been changed to better distribute stress.



Side Deck Guards

Arm Rock Guard

500 Hour Attachment Lubrication Interval

The self lubrication bushings are used at the attachment pins and the bushings with high abrasion resistant property are used at the pins around the bucket. The lubrication cycle of the lubrication points around the bucket is 250 hours and that of other lubrication points is 500 hours.

* Flanged arm to bucket bushings protect the side of the arm from contact and then wear from the bucket ears. Should the bucket bushings need replacement, they can be replaced separately from the larger main bushing, reducing costs.

Three Track Guides

STANDARD over sized. Three heavy-duty track guides installed on each crawler side frame assure stability in the most demanding situations.

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

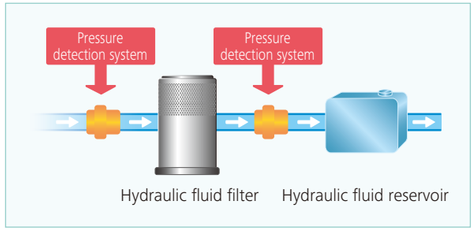
Our super-fine filter separates out even the smallest particles. A new cover prevents contamination when changing filters.

Long-life hydraulic fluid: 5,000 hours

Hydraulic fluid filter replacement cycle is 1,000 hours

Hydraulic fluid filter restriction indicator

Detects clogging by measuring the difference in pressure between incoming and outgoing hydraulic fluid. Detecting filter restriction prevents contaminates from getting into the hydraulic fluid reservoir reduces the risk of damage to the hydraulic system.

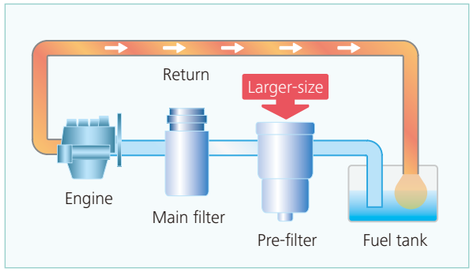


Double-element air cleaner

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

Fuel filter

Pre-filter with built-in water-separator maximizes filtering performance.



Comprehensive safety and intuitive operation

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

Safety

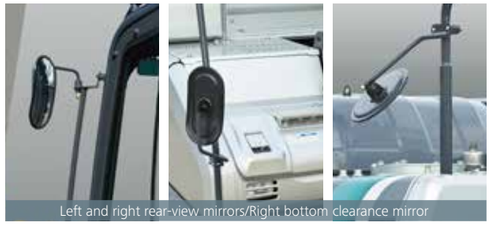
ROPS Cab

ROPS (Roll-Over-Protective Structure)-compliant cab complies with ISO standards (ISO-12117-2: 2008) and ensures greater operator safety in the event of a roll-over. KOBELCO encourages operators to wear their seat belt during operation.

• Standard Top FOP guard that complies with ISO level II certification (Meets ISO10262)

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

Expanded field of view for greater safety

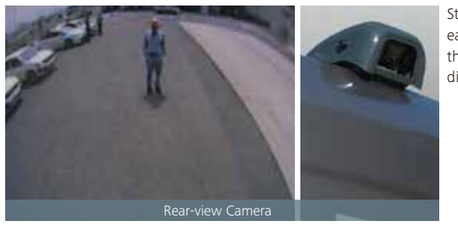


Left and right rear-view mirrors/Right bottom clearance mirror

Rear view from cab

Standard rear swing flashers and rear work lights.

Optional right side camera NEW



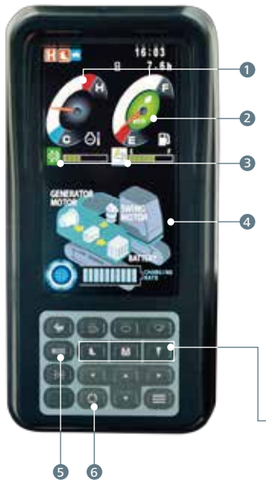
Rear-view Camera

Standard rear-view camera eases safety checks behind the machine. Color video displays on cab monitor.

Right side camera

Monitor Rear Right

Operator-friendly features that are easy to see, easy to use



Color Multi-display

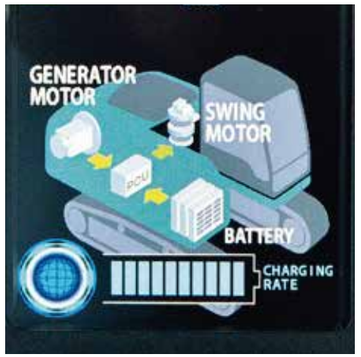
Brilliant colors differentiate multiple graphics on cab LCD. Graphics indicate fuel consumption, maintenance intervals and more.

1. Analog-style gauges provide an intuitive reading of fuel level and engine temperature
2. Green indicates ECO mode selected or efficient operation in other modes
3. PM accumulation (left)/DEF level (right)
4. Switchable between power supply monitor, fuel consumption, and rear view camera image
5. Digging mode switch
6. Monitor display switch

One-touch attachment mode switch

A simple flick of switch sets the hydraulic flow amount to match attachments and attachment mode. Helpful icons let the operator confirm the proper configuration at a glance.

Bucket Nibbler Breaker



Power supply monitor screen

PM accumulation/DEF level

Fuel consumption

Maintenance

Breaker mode (10 presets)

Nibbler mode (10 presets)

Independent Travel mode

Heavy Lift

Power Boost

Cab comfort takes a step ahead

The newly refined cab puts the operator first, ensuring a quieter, more comfortable work environment and easier operation.

Climate control outlets behind the seat

Five air outlets deliver warm or cool air directly to the operator.

A light touch on the lever means smoother, less tiring work

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

More comfortable seat means higher productivity

Suspension seat absorbs vibration

Seat back can be lowered flat

The side consoles slide and can be adjusted independently of the adjustable seat position, forward and backward.

Quiet Inside

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

Interior equipment adds to comfort and convenience

AM/FM stereo radio

USB connector/12V power outlet

Spacious storage tray

Large cup holder

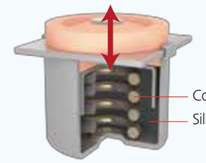
Large door allows easy access in and out of the cab

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

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 vibration protection.

Twice the stroke of a conventional mount



Wide, Open View, makes the operators job and control easier.

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

Efficient maintenance keeps the machine in peak operating condition

Examples of displaying maintenance information

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 operational condition
- Service-diagnostic function makes it easier to check the status of the machine
- Record function for any possible on going or intermittent service issues

Easy, on-the-spot maintenance NEW

Ample space in the engine compartment allows service staff to comfortably perform maintenance in a natural body position. The distance between access steps is smaller so getting to and from the engine compartment is easier. The hood is lighter and easier to raise and lower.

Generous space for maintenance work

Step/DEF fill location

DEF/AdBlue tank

The DEF fill is located inside the convenient storage compartment.

Ground-level Access

Design allows for easy access at ground level for daily checks and maintenance work.

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

Laid out for easy access to radiator and cooling system elements

Large size fuel filter/Pre-filter

Right side

❶ Fuel filter ❷ Pre-filter ❸ Engine oil filter

Engine oil filter

Double-element air cleaner

Easy Access to In-cab Maintenance Features

Easy-access fuse box.

DPF regeneration is an automatic function, but should manual regeneration be called for, a switch to engage it is readily available.

Air conditioner filter can be easily removed without tools for cleaning.
One for outside air and one for inside air.

Easy Cleaning

Special sloped crawler side frame design is easily cleaned of mud. and minimizes dirt build up.

Fuel tank drain valve.

Detachable two-piece floor mat with handles for easy removal.

Total Support for Machines with Network Speed and Accuracy

KOMEXS is a satellite-based system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.

Direct Access to Operational Status

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

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.

Fuel Consumption Data
Data on fuel consumption and idling times can be used to indicate improvements in 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 (N&B).

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.

Security System

Engine Start Alarm
Sends a notification if the engine is started outside of pre-defined hours.

Area Alarm
Sends a notification if the machine leaves a pre-defined area.

Engine

Model	HINO J05EUM-KSSK
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler(Complies with EU (NRMM) Stage IV, EPA Tier IV Final.
No. of cylinders	4
Bore and stroke	4.41" (112 mm) x 5.12" (130 mm)
Displacement	312.6 cu. in (5.123L)
Rated power output	160hp {119kW} /2,000rpm (SAE NET)
	166hp {124kW} /2,000rpm (Without fan)
Max. torque	472lb-ft {640N.m} /1,600rpm (SAE NET)
	487lb-ft {660N.m} /1,600rpm (Without fan)

Hydraulic System

Pump	
Type	Two variable displacement pumps + 1 gear pump
Max. discharge flow	2 x 58.1 U.S.gph {2 x 220 L/min}, 1 x 5.3 U.S.gph {1 x 20 L/min}
Relief valve setting	
Boom, arm and bucket	4,970 psi {34.3 Mpa}
Power Boost	5,480 psi {37.8 Mpa}
Travel circuit	4,970 psi {34.3 Mpa}
Control circuit	725 psi {5.0 Mpa}
Pilot control pump	Gear type
Main control valves	8-spool
Oil cooler	Air cooled type

Swing System

Parking brake	wet multiple plate
Swing speed	12.7 rpm
Swing torque	51.900 lb.ft {70.3 kN.m} (SAE)
Tail swing radius	9'7" {2,910 mm}
Min. front swing radius	11'8" {3,550 mm}

Travel System

Travel motors	2 x axial piston, two-speed motors
Parking brakes	Oil disc brake per motor
Travel shoes	49 each side
Travel speed	3.7 / 2.2 mph {6.0 / 3.6 km/h}
Drawbar pulling force	50,800 lbs {226 kN} (SAE)
Gradeability	70 % {35°}
Ground clearance*	1'6" {450 mm}

* Without including height of shoe lug

Cab & Control

Cab
All-weather, sound-suppressed steel cab mounted on the silicon-sealed suspension 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 cylinder	4.7" {120 mm} x 4'5" {1,355 mm}
Arm cylinder	5.3" {135 mm} x 5'1" {1,558 mm}
Bucket cylinder	4.7" {120 mm} x 3'6" {1,080 mm}

Refilling Capacities & Lubrications

Fuel tank	84.5 U.S.gal {320L}
Cooling system	5.0 U.S.gal {19L}
Engine oil	5.4 U.S.gal {20.4L}
Travel reduction gear	2 x 1.3 U.S.gal {2 x 5 L}
Swing reduction gear	1.3 U.S.gal {5 L}
Hydraulic oil tank	37.0 U.S.gal {140 L} tank oil level
	64.5 U.S.gal {244 L} hydraulic system
DEF/AdBlue tank	9.0 U.S.gal {34L}

Digging Force

Unit: lbs {kN}

Arm length		Standard 9'8" {2.94 m}	Long 11'6" {3.5 m}
Bucket digging force	SAE	29,330 {130} 32,190 {143}*	29,330 {130} 32,190 {143}*
	ISO	32,100 {143} 35,300 {157}*	32,100 {143} 35,300 {157}*
Arm crowding force	SAE	22,200 {98.8} 24,500 {109}*	20,100 {89.6} 22,100 {98.5}*
	ISO	22,900 {102} 25,200 {112}*	20,600 {91.8} 22,700 {101}*

*Power Boost engaged.

Hydraulic P.T.O

Specification \ Output	Maximum Pressure PSI (Mpa)	Max Flow US GPM, (lpm) 2,000rpm	1,000rpm
N&B	4,970 (34.3)	116.2 (440)	7.9 (30)
Rotary	2,990 (20.6)	10.0 (38)	5.3 (20)

Bucket Selection Chart

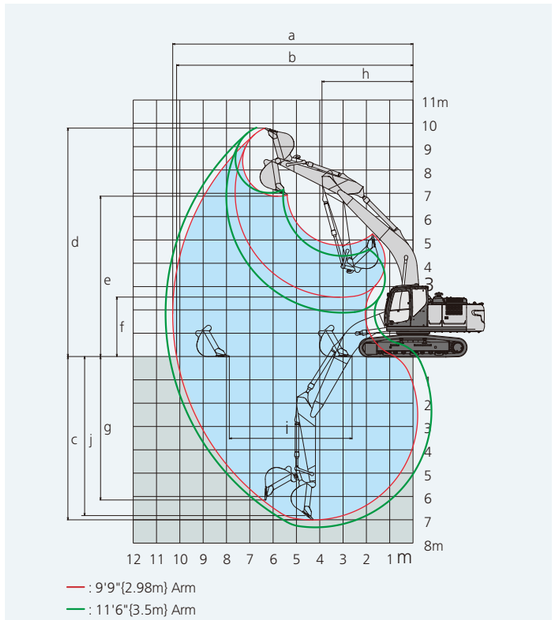
Bucket type	Capacity (SAE) Cubic Yard (m^3)	Width Inches (m)	Bucket Weight lb (kg)	Arm ft-in (m) 9'8"(2.94)	11'6"(3.5)
General	.91 (.695)	30" (.762)	1,325 (601)	H	H
	1.14 (.871)	36" (.914)	1,450 (658)	H	M
	1.37 (1.047)	42" (1.066)	1,651 (749)	M	L
	1.6 (1.223)	48" (1.219)	1,780 (807)	L	X
	1.8 (1.38)	54" (1.371)	2,019 (916)	L	X
Heavy Duty	.68 (.519)	24" (.609)	1,250 (567)	H	H
	.91 (.695)	30" (.762)	1,420 (644)	H	M
	1.14 (.871)	36" (.914)	1,560 (708)	M	L
	1.37 (1.04)	42" (1.066)	1,730 (785)	L	X
	1.6 (1.233)	48" (1.219)	1,905 (864)	X	X
Severe Duty	.63 (.481)	26" (.66)	1,455 (660)	H	H
	.75 (.573)	31" (.787)	1,590 (721)	H	H
	.88 (.672)	37" (.939)	1,790 (812)	M	M
	1.13 (.871)	43" (1.092)	2,000 (907)	L	X

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m^3)
L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m^3)
M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m^3)
X - Not recommended

Working Ranges

Unit: ft-in{m}

Boom	18'6" {5.65 m}	
Arm / Range	Standard 9'8" {2.94 m}	Long 11'6" {3.5 m}
a- Max. digging reach	32'6" {9.90}	33'11" {10.34}
b- Max. digging reach at ground level	31'11" {9.73}	33'4" {10.17}
c- Max. digging depth	22'0" {6.70}	23'10" {7.26}
d- Max. digging height	31'11" {9.72}	32'10" {9.75}
e- Max. dumping clearance	22'8" {6.91}	22'10" {6.97}
f - Min. dumping clearance	8'0" {2.43}	6'2" {1.87}
g- Max. vertical wall digging depth	20'0" {6.10}	21'3" {6.47}
h- Min. swing radius	11'8" {3.55}	11'5" {3.48}
i - Horizontal digging stroke at ground level	17'3" {5.27}	19'11" {6.08}
j - Digging depth for 8 feet flat bottom	21'5" {6.52}	23'3" {7.08}
Bucket capacity SAE heaped cu.yd.{m^3}	1.05 {0.8}	0.92 {0.70}

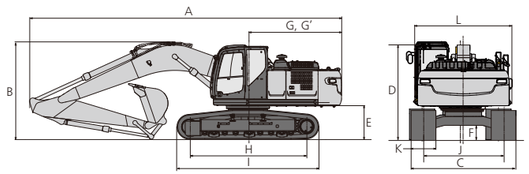


Dimensions

Unit: ft-in {mm}

Arm length		Standard 9'8" {2.94 m}	Long 11'6" {3.5 m}
A	Overall length	31'6" {9,600}	31'9" {9,670}
B	Overall heigth (to top of boom)	9'9" {2,980}	10'5" {3,170}
C	Overall width	10'5" {3,180}**	
D	Overall height (to top of cab)	10'0" {3,060}	
E	Ground clearance of rear end*	3'6" {1,060}	
F	Ground clearance*	1'6" {450}	
G	Tail swing radius	9'7" {2,910}	
G'	Distance from center of swing to rear end	9'6" {2,900}	
H	Tumbler distance	12'0" {3,660}	
I	Overall length of crawler	14'7" {4,450}	
J	Track gauge	7'10" {2,390}	
K	Shoe Width. In(mm)	24" (600)/28"(700)/31.5"(790) /35"(900)	
L	Overall width of upperstructure	9'4" {2,850}	

* Without including height of shoe lug
** Shoe width : 2'7" {800mm}



Operating Weight & Ground Pressure

In standard trim, with standard boom, 9'8" {2.94m} arm, 1.05 cu.yd. {0.8 m^3} SAE heaped bucket, and 10,800lb(4,900kg) counterweight

Shaped		Triple grouser shoes (even height)			
Shoe width	In(mm)	24" (600)	28"(700)	31.5"(790)	35"(900)
Ground pressure	psi {kPa}	7 {48}	6.1 {42}	5.5 {38}	4.8 {33}
Operating weight	lbs {kg}	51,100 {23,200}	52,000 {23,600}	52,500 {23,800}	53,100 {24,100}

STANDARD EQUIPMENT

ENGINE

- Turbocharged and inter-cooled HINO J05EUM-KSSK
- Tier IV Final Diesel engine
- Automatic engine deceleration
- Two 12V, 96Ah batteries
- 24V, 5kW starting motor
- 60-amp alternator
- Removable radiator clean-out screen
- Automatic engine shut-down if low engine oil pressure
- Side by side oil, hydraulic and engine radiators
- Double-element air cleaner

CONTROL

- Working mode selector
- (H-mode, S-mode and ECO-mode)
- Heavy Lift and Power Boost “without time limit”

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Independent travel system
- Two-speed travel with automatic down shift
- Sealed & lubricated track links
- 31'5" {790mm} track shoes
- Grease-type track adjusters
- Automatic swing brake

- Three lower track guards

HYDRAULIC

- Exclusive boom to arm regeneration systems
- Auto warm-up system
- Hydraulic oil cooler

MIRRORS & LIGHTS

- Three rearview mirrors plus rear-view camera
- Two front working lights
- Swing flashers
- Rear work lights

CAB & CONTROL

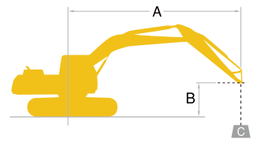
- ROPS cab
- Two pilot-operated control levers
- Electric horn
- Integrated left-right slide-type control box
- All-weather, sound-insulated cab
- Interior cab light
- Coat hook
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- 7-way adjustable suspension seat
- Headrest

- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- Top guard
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy to read multi-display monitor
- Automatic climate control
- Emergency escape hammer
- AM/FM stereo radio
- Travel alarm
- Attachment pressure release switch
- Manual DPF switch
- 12V converter
- Two-way control pattern changer
- Silver Paint Scheme
- Heavy counterweight

OPTIONAL EQUIPMENT

- 600mm,700mm and 900mm shoes are optional
- Boom & arm load (lock) holding valve
- Light and heavy duty front window guards.
- Additional hydraulic circuits
- Vandal Guards available via KOBELCO Parts Department
- Cab two lights
- Right side camera
- Rain visor
- Air Suspension Seat with Heat

Lifting Capacities



Rating over front

Rating over side or 90 degrees

A – Reach from swing centerline to arm tip
B – Arm bucket pin height above/below ground
C – Lifting capacities in pounds (kilograms)

SK210HLC		Standard Arm: 9'8"{2.94m}, no bucket, 2'7" {790mm} track shoes												
A / B		5'{1.5m}		10'{3.0m}		15'{4.6m}		20'{6.1m}		25'{7.6m}		AT MAX		Radius
25'{7.6m}	lb{kg}							*10,200{4,620}	*10,200{4,620}			*9,610{4,350}	*9,610{4,350}	20'2"{6.15}
20'{6.1m}	lb{kg}							*13,100{5,940}	*13,100{5,940}			*8,840{4,000}	*8,840{4,000}	23'11"{7.3}
15'{4.6m}	lb{kg}							*14,190{6,430}	13,030{5,910}	*12,820{5,810}	9,210{4,170}	*8,630{3,910}	8,480{3,840}	26'3"{8.01}
10'{3.0m}	lb{kg}			*26,300{11,920}	*26,300{11,920}	*20,440{9,270}	18,940{8,590}	*16,020{7,260}	12,460{5,650}	13,630{6,180}	8,980{4,070}	*8,790{3,980}	7,760{3,510}	27'5"{8.37}
5'{1.5m}	lb{kg}					*24,160{10,950}	17,550{8,050}	*17,860{8,100}	11,890{5,390}	13,330{6,040}	8,710{3,950}	*9,300{4,210}	7,510{3,400}	27'8"{8.45}
Ground Level	lb{kg}			*14,690{6,660}	*14,690{6,660}	*25,940{11,760}	17,090{7,750}	18,120{8,210}	11,490{5,210}	13,110{5,940}	8,510{3,860}	*10,280{4,660}	7,660{3,470}	27'0"{8.25}
-5'{-1.5m}	lb{kg}	*15,120{6,850}	*15,120{6,850}	*25,260{11,450}	*25,260{11,450}	*25,600{11,610}	16,900{7,660}	17,940{8,130}	11,330{5,130}	13,080{5,930}	8,480{3,840}	*12,090{5,480}	8,320{3,770}	25'4"{7.74}
-10'{-3.0m}	lb{kg}	*26,470{12,000}	*26,470{12,000}	*32,150{14,580}	*32,150{14,580}	*23,120{10,480}	17,070{7,740}	*17,070{7,740}	11,450{5,190}			*14,200{6,440}	9,870{4,470}	22'6"{6.86}
-15'{-4.6m}	lb{kg}			*23,560{10,680}	*23,560{10,680}	*17,120{7,760}	*17,120{7,760}					*13,350{6,050}	*13,350{6,050}	17'9"{5.41}

SK210HLC		Long Arm: 11'6"{3.5m}, no bucket, 2'7" {790mm} track shoes												
A / B		5'{1.5m}		10'{3.0m}		15'{4.6m}		20'{6.1m}		25'{7.6m}		AT MAX		Radius
25'{7.6m}	lb{kg}											*8,220{3,720}	*8,220{3,720}	22'1"{6.74}
20'{6.1m}	lb{kg}									*9,180{4,160}	*9,180{4,160}	*7,720{3,500}	*7,720{3,500}	25'7"{7.81}
15'{4.6m}	lb{kg}							*12,960{5,870}	*12,960{5,870}	*12,150{5,510}	9,300{4,210}	*7,620{3,450}	*7,620{3,450}	27'9"{8.47}
10'{3.0m}	lb{kg}			*27,830{12,620}	*27,830{12,620}	*18,600{8,430}	*18,600{8,430}	*14,920{6,760}	12,590{5,710}	*13,040{5,910}	9,010{4,080}	*7,820{3,540}	7,160{3,240}	28'11"{8.82}
5'{1.5m}	lb{kg}			*17,260{7,820}	*17,260{7,820}	*22,780{10,330}	17,990{8,160}	*17,000{7,710}	11,960{5,420}	13,330{6,040}	8,690{3,940}	*8,320{3,770}	6,920{3,130}	29'2"{8.89}
Ground Level	lb{kg}			*17,780{8,060}	*17,780{8,060}	*25,330{11,480}	17,130{7,770}	18,120{8,210}	11,470{5,200}	13,050{5,910}	8,440{3,820}	*9,220{4,180}	7,020{3,180}	28'6"{8.7}
-5'{-1.5m}	lb{kg}	*14,800{6,710}	*14,800{6,710}	*24,970{11,320}	*24,970{11,320}	*25,790{11,690}	16,780{7,610}	17,830{8,080}	11,210{5,080}	12,910{5,850}	8,310{3,760}	*10,810{4,900}	7,530{3,410}	26'11"{8.22}
-10'{-3.0m}	lb{kg}	*23,630{10,710}	*23,630{10,710}	*34,780{15,770}	32,340{14,660}	*24,180{10,960}	16,810{7,620}	17,840{8,090}	11,220{5,080}			13,560{6,150}	8,730{3,950}	24'3"{7.39}
-15'{-4.6m}	lb{kg}	*35,300{16,010}	*35,300{16,010}	*27,680{12,550}	*27,680{12,550}	*19,790{8,970}	17,210{7,800}					*13,730{6,220}	11,610{5,260}	19'11"{6.08}

Notes:
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 bucket pin, without bucket is defined as lift point.
4. The above lifting capacities are in compliance with SAE J/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.
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 machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.