KOBELCO

ACERA GEOSPEC

Hydraulic Excavators

SK200
SK210LC

- Bucket Capacity:
  0.51 –1.3 m³ ISO heaped
- Engine Power:
  118 kW {160 PS} /2,000 min⁻¹{rpm}
- Operating Weight:
  20,200 kg–SK200
  20,600 kg–SK210LC

Complies with the latest exhaust emission regulations

US EPA Tier III

EU (NRMM) Stage IIIA

Latest Japanese Regulations

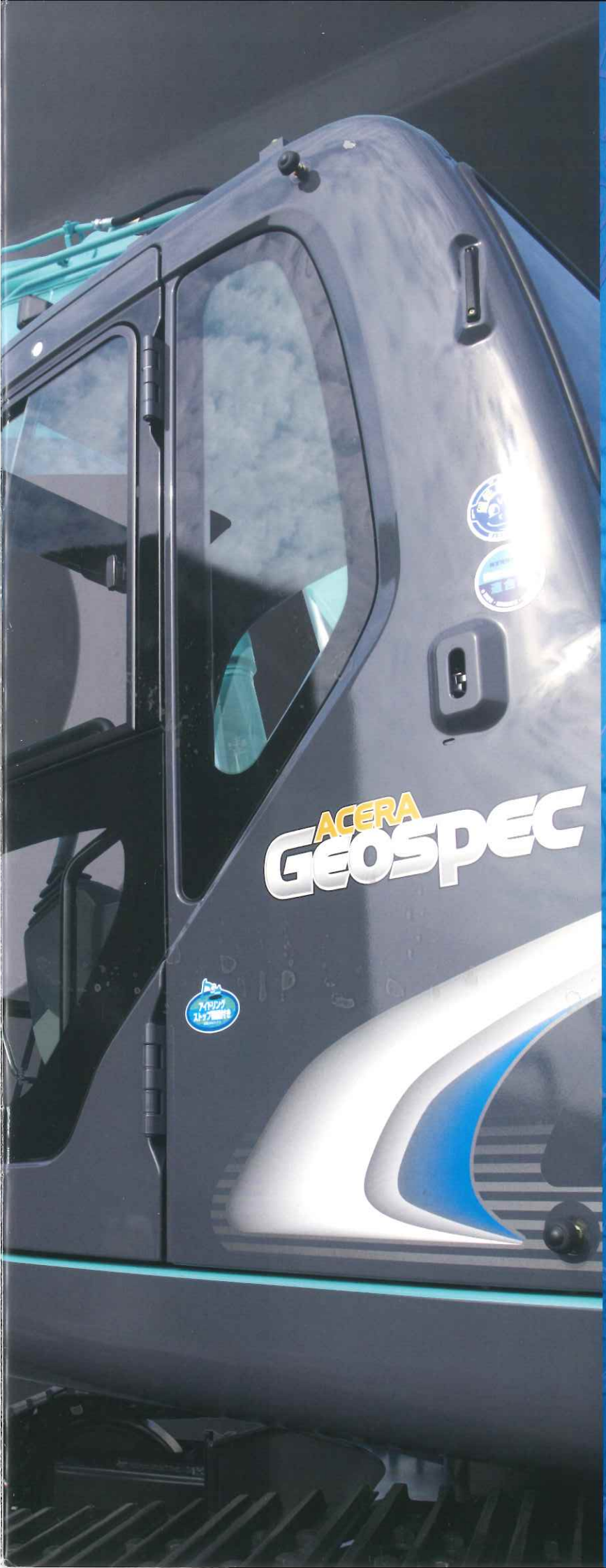
That's KOBELCO!
Your First Choice

The Power Wave of Change

Announcing ACERA GEOSPEC and the Concept of Beautiful Performance.

When we set out to design our new hydraulic excavators, we kept our eyes on the big picture. Of course we wanted machines with greater digging capacity. But they also had to be fuel-efficient and economical, while imposing less of a burden on the local and global environments. Applying our advanced technologies, we developed KOBELCO's new ACERA GEOSPEC series, an entirely new kind of excavator that beautifully balances all the demands of today's construction industry. Lean and efficient with capacity to spare, these sleek powerhouses bring a whole new style to the worksite while setting new standards for environmental responsibility.

Photos in this catalog are the configuration without swing flashers.



NEXT-3E

Pursuing the "Three E's"

The Perfection of Next-Generation, Network Performance

Enhancement

Greater Performance Capacity

- New hydraulic circuitry minimizes pressure loss
- High-efficiency, electronically controlled Common Rail Fuel Injection Engine
- Powerful travel and arm/bucket digging force

Economy

Improved Cost Efficiency

- Advanced power plant that reduces fuel consumption
- Easy maintenance that reduces upkeep costs
- High structural durability and reliability that retain machine value longer

Environment

Features That Go Easy on the Earth

- Meets the latest exhaust emission standards
- Auto Idle Stop as standard equipment
- Noise reduction measures (with improvement of the sound quality) minimize noise and vibration

ACERA GEOSPEC

The "GEO" in GEOSPEC expresses our deep respect for our planet, and for the solid ground where excavators are in their element. This is accompanied by SPEC, which refers to the performance specifications needed to get the job done efficiently as we carry on the tradition of the urban-friendly ACERA series.

The GEOSPEC Difference:

Efficient Performance!

Amazing Productivity with a 20 % Decrease in Fuel Consumption and "Top-Class" Cost-Performance

Fuel Consumption*

20 % decrease in fuel consumption even when performing more work volume. (S-Mode)

Work Volume*

8 % increase in work volume using the same amount of fuel. (H-Mode)

"Top-Class" Powerful Digging

Max. arm crowding force: **102 kN** {10.4 tf}

Max. arm crowding force with power boost: **112 kN** {11.4 tf}

Max. bucket digging force: **143 kN** {14.6 tf}

Max. bucket digging force with power boost: **157 kN** {16.0 tf}

Powerful Travel

Travel torque: increased by **16 %**

Drawbar pulling force: **229 kN** {23.3 tf}

Greater Swing Power, Shorter Cycle Times

Swing torque: increased by **10 %**

Swing speed: **11 %** faster (12.5 min^{-1})

Significant Extension of Continuous Working Hours

The combination of a large-capacity fuel tank and excellent fuel efficiency delivers an impressive 30 % increase in continuous operation hours.**

Fuel tank: **370L**

30 %

Light Lever Operation

It takes 10% less effort to move the control levers, so that operators can work longer hours with less fatigue.

10 % Less

NEXT-3E Technology New Hydraulic System

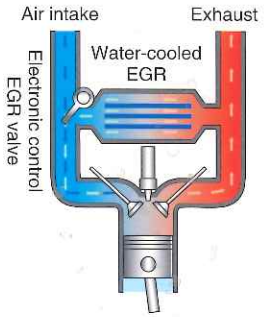
Rigorous inspections for pressure loss are performed on all components of the hydraulic piping, from the spool of the control valve to the connectors. This regimen, combined with the use of a new, high-efficiency pump, cuts energy loss to a minimum.

*The value shows results from actual measurements taken by KOBELCO when compared with previous KOBELCO models.
**The value shows results from actual measurements taken by KOBELCO for continuous operation in S Mode, compared with previous models. Results vary depending on the method of operation and load conditions.

NEXT-3E Technology
Next-Generation Electronic Engine Control

The high-pressure, common-rail fuel-injection engine features a cooled EGR (Exhaust Gas Recirculation) device that lowers the air intake temperature to keep the oxygen concentration down. The multiple injection system features adjustable control to maximize fuel efficiency and provide powerful medium/low-speed torque. The result is a highly fuel-efficient engine that greatly reduces emissions of PM (particulate matter) and NOx into the atmosphere.

Powerful Torque at Low-Speed



Simple Select: Two Digging Modes

H-Mode For heavy duty when a higher performance level is required.

S-Mode For normal operations with lower fuel consumption.

Optional N&B (crusher and breaker)
The operator selects the desired mode from inside the cab, and the selector valve automatically configures the machine accordingly.

Attachment Mode Selector Switch NEW!
There's a choice of three different hydraulic circuits, to accommodate bucket, crusher or breaker, and the desired attachment mode can be selected with a switch, which automatically configures the selector valve. All attachment modes can be used in either S-mode or H-mode.

Seamless, Smooth Combined Operations

The GEOSPEC machines have inherited the various systems that make inching and combined operations easy and accurate, with further refinements that make a good thing even better. Leveling and other combined operations can be carried out with graceful ease.

- Electronic Active Control System
- Arm regeneration system
- Boom lowering system
- Variable swing priority system
- Swing rebound prevention system

NEXT-3E Technology
Total Tuning Through Advanced ITCS Control

The next-generation engine control is governed by a new version of ITCS, which responds quickly to sudden changes in hydraulic load to ensure that the engine runs as efficiently as possible with a minimum of wasted output.

ITCS (Intelligent Total Control System) is an advanced, computerized system that provides comprehensive control of all machine functions.

The GEOSPEC Difference:

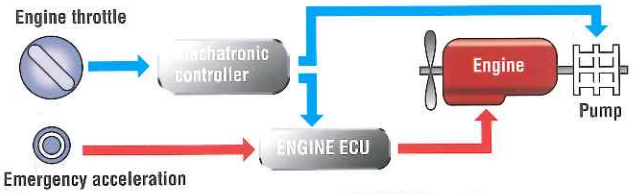
The Value and Quality of Sturdy Construction!

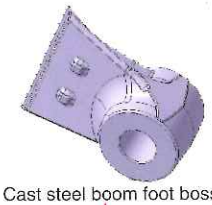
Stable Attachment Strength

Forged and cast components are used throughout. The arm tip's cross-sectional coefficient is 15 % higher that previous models, giving the arm the same strength as the 3-faced reinforced arm that was offered only as an option before. The strength of the boom foot has also been increased by 18 %.

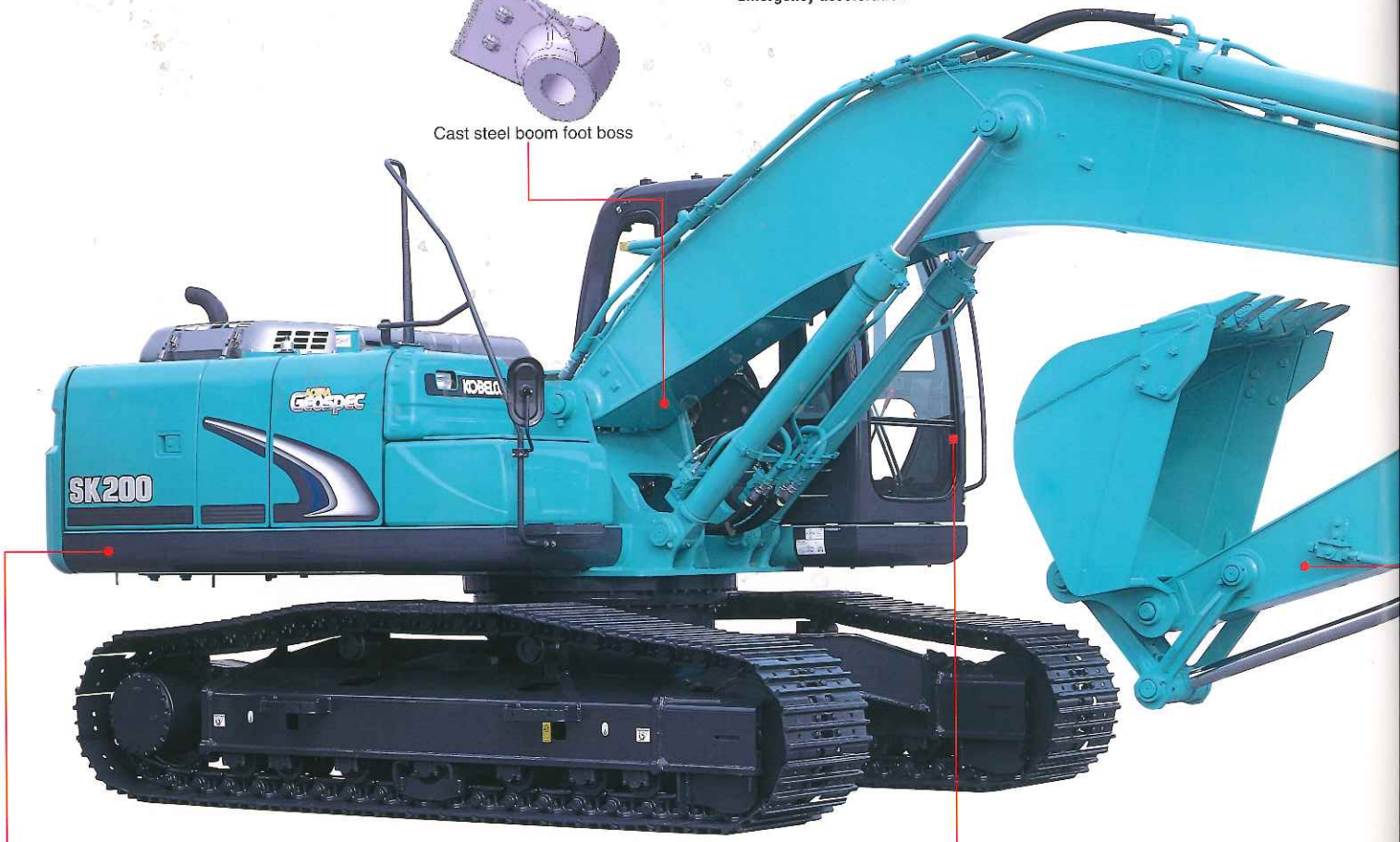
Emergency Acceleration (Dial) Permits Continued Operation in the Unlikely Event of Malfunction

If unexpected trouble is experienced with the ITCS mechatronic control system, the machine can still be operated using the emergency acceleration system. Digging modes are also automatically relayed to an emergency system so that digging can continue temporarily until a service person arrives to repair the primary system.





Cast steel boom foot boss

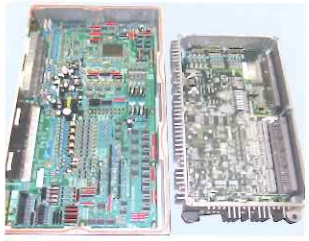


Enhanced Upper Carbody Strength

The structure of the lower portion of the upper frame has been reassessed and the undercover area has been minimized. Also, the side deck's cross-sectional strength has been boosted by 50 %.

Durability That Retains Machine Value Five and Ten Years in the Future

- New operator's seat covered in durable, material
- High-quality urethane paint
- Easily repaired bolted hand rails



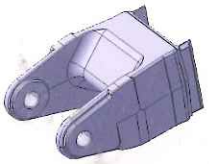
New MCU　　Conventional MCU

Newly designed MCU

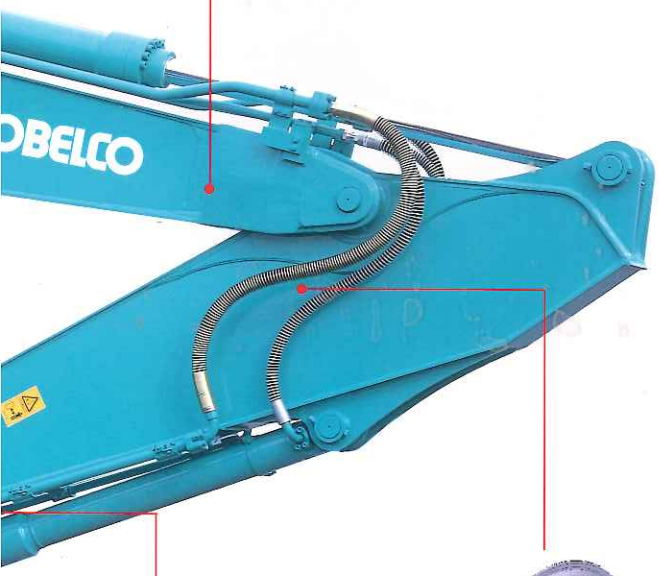
- Vertical alignment and sealed cover gives better protection from water and dust
- Integration in base plate boosts assembly quality
- Reliable fixture to base plate

Countermeasures Against Electrical System Failure

All elements of the electrical system, including controller, have been designed for enhanced reliability.



Integrated cast steel boom top



Forged steel arm foot boss

15 % strength up around arm top section

ACERA GEOSPEC

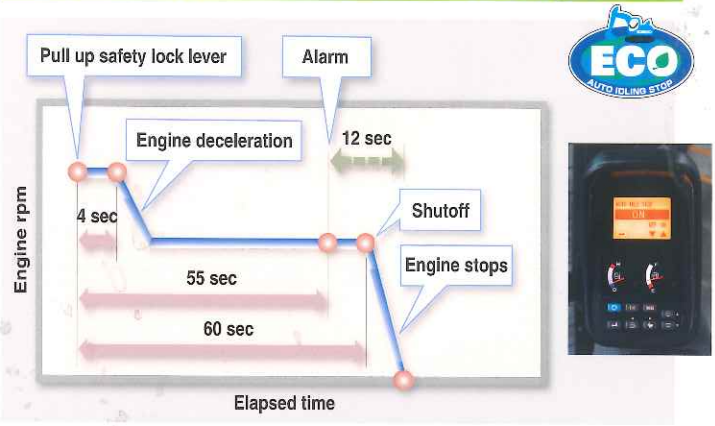
The GEOSPEC Difference:

Designed for the Environment and the Future!

Meets Standard Values Set by Emissions Regulations

The engine used in the GEOSPEC machines represents the crystallization of various cutting-edge technologies that minimize the emission of PM (Particulate Matter), NOx, black smoke, and other emissions, thus meeting all internationally recognized environmental regulations, including US EPA Tier III, NRMM (Europe) Stage IIIA, and the latest Japanese regulations.

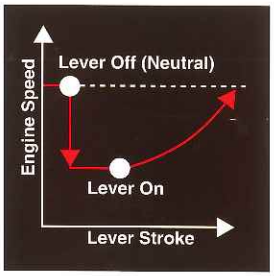
Auto Idle Stop Provided as Standard Equipment



This function saves fuel and cuts emissions by shutting down the engine automatically when the machine is on stand by. It also stops the hourmeter, which helps to retain the machine's asset value.

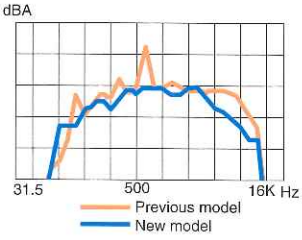
Automatic Acceleration/Deceleration Function Reduces Engine Speed

Engine speed is automatically reduced when the control lever is placed in neutral, effectively saving fuel and reducing noise and exhaust emissions. The engine quickly returns to full speed when the lever is moved out of neutral.



Low Noise Level and Mild Sound Quality

The electronically controlled common-rail engine has a unique fuel injection system that runs quietly. Also, the hydraulic pumps have been redesigned to produce a more pleasant sound during pressure relief. In short, the GEOSPEC series meets all requirements cited in latest EU stage II.

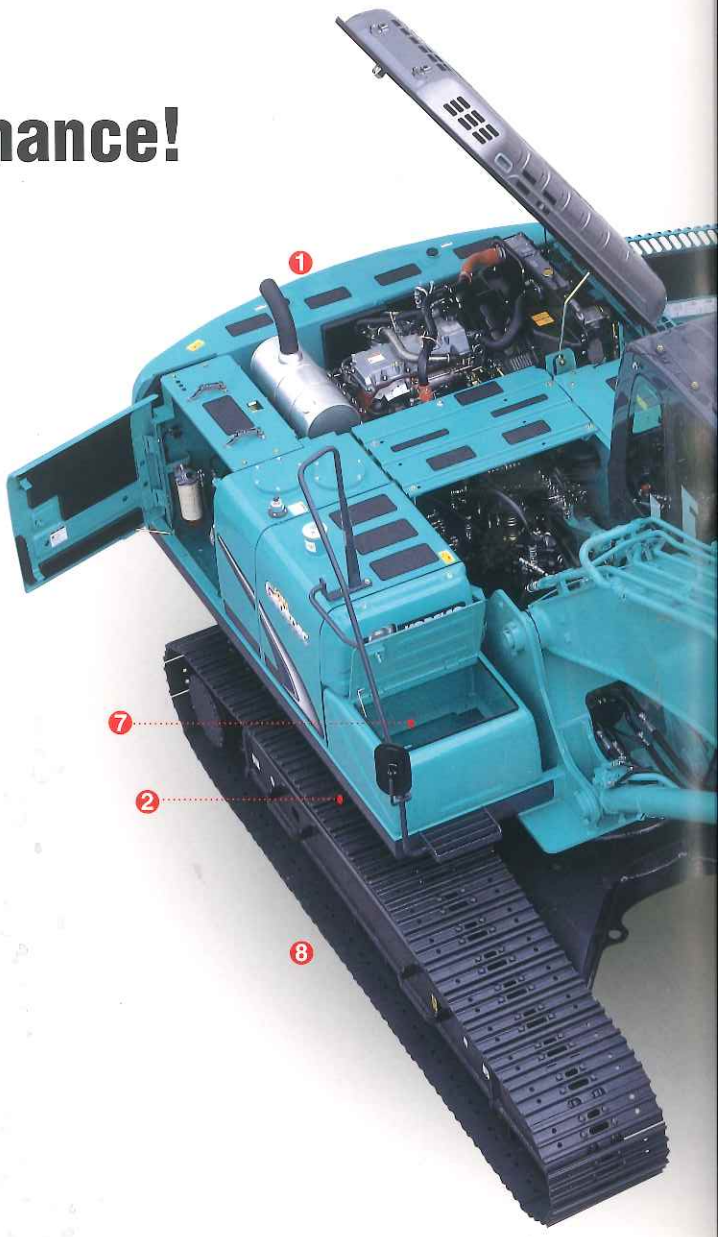


Meets EMC (Electromagnetic Compatibility) Standards in Europe.

Measures have been taken to ensure that the GEOSPEC machines do not cause electro-magnetic interference.

The GEOSPEC Difference:

"On the Ground" Maintenance!



Comfortable "On the Ground" Maintenance

The machine layout was designed with easy inspection and maintenance in mind.

Access through the right side cover

Main fuel filter

Pre-fuel filter (with built-in water separator)

Engine Oil Filter

The fuel filter with built-in water separator functions in two ways by removing large contaminants and separating out water.

Quick Oil Drain Valves for Quick Maintenance

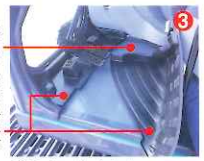
Quick drain valve

A quick drain valve, which requires no tools, is provided as standard equipment.

Fuel drain valve

To facilitate fuel tank cleaning, the fuel drain valve was made larger and fitted with a flange on the bottom.

More Efficient Maintenance Inside the Cab



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

- Easy-access fuse box. More finely differentiated fuses make it easier to locate malfunctions.

- Air conditioner filter can be easily removed without tools for cleaning.

- Hour meter can be checked while standing on the ground.

- Large-capacity tool box can hold up to three pails.

- Special crawler frame design is easily cleaned of mud.

Access through the left side cover

Parallel Cooling Units Are Easy to Clean

Long-Life Hydraulic Oil Reduces Replacement Costs

The long-life hydraulic oil features a base oil with excellent demulsification, with optimized wear-resistant additives and antioxidants that help to boost the service life to 5,000 hours and greatly reduce the number of changes necessary.

Highly Durable Super-fine Filter

● Super-fine filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability. With a replacement cycle of 1,000 hours and a construction that allows replacement of the filter element only, it's both highly effective and highly economical.

Double-Element Air Cleaner as Standard

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

Air cleaner (double element)

New-Design Fuel Filter Catches 95% of Dust and Impurities

The large-capacity fuel filter is designed specifically for common rail engines. With an increased filtering performance to 2-micron precision, this high-grade filter catches 95% of all dust particles and other impurities in the fuel.

Monitor Display with Essential Information for Accurate Maintenance Checks

- Displays only the maintenance information that's needed, when it's needed.
- Self-diagnostic function that provides early-warning detection and display of electrical system malfunctions.
- Record previous breakdowns, including irregular and transient malfunctions.

Choice of 16 Languages for Monitor Display

With messages including those requiring urgent action displayed in the local language, users in all parts of the world can work with greater peace of mind.

充电不良	Lichtmaschine defekt	CHARGE ERROR	CHARGE ERROR
Chinese	German	English	English (US)
ERREUR DE CHARGE	PENGISIAN BATT. RUSAK		ERRORE DI CARICA
French	Indonesian	ISO	Italian
チャージ	KESALAHAN CAS	ချာဇ့်မ်ဝင်ပါ	ERRO DE CARGA
Japanese	Malay	Myanmar(Brumese)	Portuguese
ERROR EN CARGA	தவறாக கினிதுதல	ไฟแบ่ชาร์จ	Sạc Điện Bị Lỗi
Spanish	Tamil	Thai	Vietnamese

The GEOSPEC Difference:

Designed from the Operator's Point of View

Wide Field of View Liberates the Operator

The front field of view easily clears ISO standards, while the peripheral view reduces blind spots to a minimum.

- A long wiper covers a wide area for a broad view in bad weather.
- Back mirrors provide a safe view of the rear.
- Reinforced green glass windows meet European standards.

Wide-Access Cab Ensures Smooth Entry and Exit

The left control box lifts up with the safety lock lever to add 10° to the cab entry angle for easy entrance and exit.

Plenty of Foot Room

With a total width of 1,005 mm, the cab has 35 mm more front-to-back foot room than previous models. The travel pedal is larger for greater operator comfort.

Reduced Vibration for Fatigue-Free Operation

The rigid cab construction and liquid-filled viscous cab mounts minimize cab vibration. In addition, the use of new lower rollers on the crawlers cuts travel vibration in half compared with previous models.

In-Cab Noise is Reduced by 3dB Compared with Previous Models.

Creating a Comfortable Operating Environment

●Seat can be reclined to horizontal position

Newly Designed Information Display Prioritizes Visual Recognition

The analog gauge provides information that's easy to read regardless of the operating environment. The information display screen has been enlarged, and a visor is attached to further enhance visibility.

Photo includes optional pedals for N&B and rotation.

● Double slide seat

● Powerful automatic air conditioner

● Spacious luggage tray

● One-touch lock release simplifies opening and closing the front window

● Large cup holder

● Two-speaker FM radio with station select
● New interior design and materials create an elegant feel

ACERA GEOSPEC

The GEOSPEC Difference:

Imagining Possible Scenarios and Preparing in Advance

Bracket for Attaching a Head Guard Provided as Standard Equipment

A bracket is provided as standard equipment that allows the optional head guard to be simply bolted on.

Safety Features That Take Various Scenarios into Consideration

● Firewall separates the pump compartment from the engine

● Hammer for emergency exit

● Swing flashers/rear working lights

● Level indicator that shows degree of machine tilt

● Thermal guard prevents contact with hot components during engine inspections
● Hand rails meet European standards
● Retractable seatbelt requires no manual adjustment

Optional Features That Further Enhance Safety

● Cab working light
● Rearview camera and monitor
● Yellow rotary light
● Travel alarm
● Fire extinguisher
● One-way call

Specifications

Engine

Model	HINO J05E
Type:	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger , intercooler (Complies with EU (NRMM) Stage IIIA, US EPA Tier III, and Japanese latest Exhaust Emission Regulations)
No. of cylinders:	4
Bore and stroke:	112 mm X 130 mm
Displacement:	5.123 L
Rated power output:	118 kW/2,000 min^{-1} (ISO14396:2002)
	114 kW/2,000 min^{-1} (ISO9249:2007)*
Max. torque:	592 N•m/1,600 min^{-1} (ISO14396:2002)
	572 N•m/1,600 min^{-1} (ISO9249:2007)*

*Previous indication

Hydraulic System

Pump	
Type:	Two variable displacement pumps + 1 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 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:	Hydraulic disc brake
Swing speed:	12.5 min^{-1} {rpm}
Tail swing radius:	2,750 mm
Min. front swing radius:	3,540 mm

Travel System

Travel motors:	2 X axial-piston, two-step motors
Travel brakes:	Hydraulic disc brake
Parking brakes:	Oil disc brake per motor
Travel shoes:	46 each side (SK200)
	49 each side (SK210LC)
Travel speed:	6.0/3.6 km/h
Drawbar pulling force:	229 kN {23.3 tf} (J 1309)
Gradeability:	70 % {35°}
Ground clearance:	450 mm

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

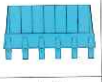
Boom cylinders:	120 mm X 1,355 mm
Arm cylinder:	135 mm X 1,558 mm
Bucket cylinder:	120 mm X 1,080 mm

Refilling Capacities & Lubrications

Fuel tank:	370 L
Cooling system:	22 L
Engine oil:	22 L
Travel reduction gear:	2 X 5.3 L
Swing reduction gear:	3.0 L
Hydraulic oil tank:	146 L tank oil level 230 L hydraulic system

Attachments

Backhoe bucket and arm combination

Use			Backhoe bucket							Slope finishing bucket
			Normal digging				Light-duty		Heavy digging	
										—
Bucket capacity	**(ISO heaped)**	m^3	0.51	0.7	0.8	0.93	1.05	1.3	0.8	—
	(CECE heaped)	m^3	0.39	0.52	0.59	0.67	0.75	0.9	0.59	—
Opening width	**With side cutters**	mm	870	1,080	1,160	1,330	1,460	—	1,180	—
	Without side cutters	mm	770	980	1,060	1,230	1,360	1,630	1,060	2,200 X 1,100
No. of bucket teeth			3	5	5	5	6	6	4	—
Bucket weight		kg	520	630	640	710	770	820	750	890
Combinations	**2.40 m short arm**		○	○	○	○	△	△	○	△
	2.94 m standard arm		○	○	○	△	×	×	○	△
	3.50 m long arm		○	○	△	×	×	×	×	△

○ Recommended △ Loading only × Not recommended

Working Ranges

Unit: m

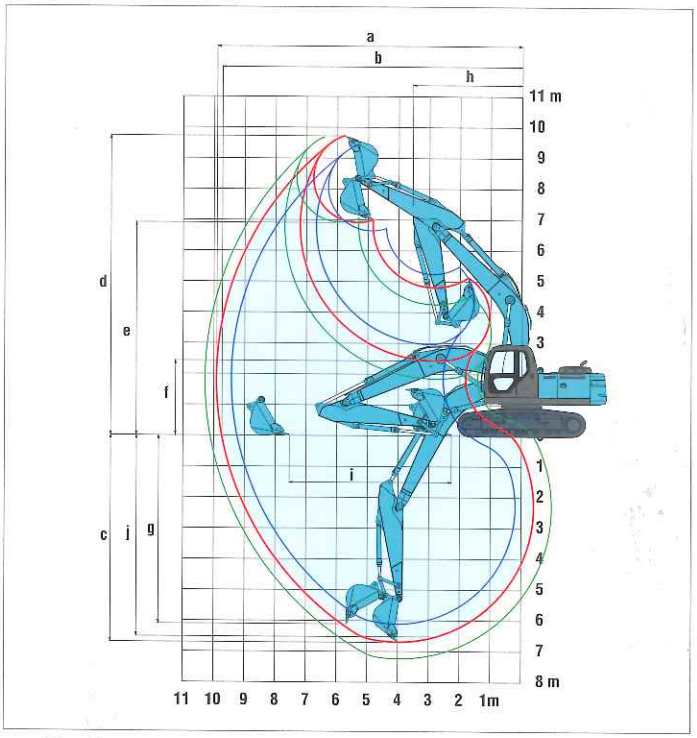
Boom / Arm / Range	5.65 m Short 2.4 m	5.65 m Standard 2.94 m	5.65 m Long 3.5 m
a- Max. digging reach	9.42	9.9	10.34
b- Max. digging reach at ground level	9.24	9.73	10.17
c- Max. digging depth	6.16	6.7	7.26
d- Max. digging height	9.51	9.72	9.75
e- Max. dumping clearance	6.68	6.91	6.97
f - Min. dumping clearance	2.98	2.43	1.87
g- Max. vertical wall digging depth	5.57	6.1	6.47
h- Min. swing radius	3.56	3.54	3.48
i - Horizontal digging stroke at ground level	4.08	5.27	6.08
j - Digging depth for 2.4 m (8') flat bottom	5.95	6.52	7.08
Bucket capacity ISO heaped m³	0.93	0.8	0.7

Digging Force (ISO 6015)

Unit: kN (tf)

Arm length	Short 2.4 m	Standard 2.94 m	Long 3.5 m
Bucket digging force	143 {14.6} 157 {16.0}*	143 {14.6} 157 {16.0}*	143 {14.6} 157 {16.0}*
Arm crowding force	121 {12.3} 133 {13.6}*	102 {10.4} 112 {11.4}*	91.8 {9.36} 101 {10.3}*

*Power Boost engaged.



Short Arm
Standard Arm
Long Arm

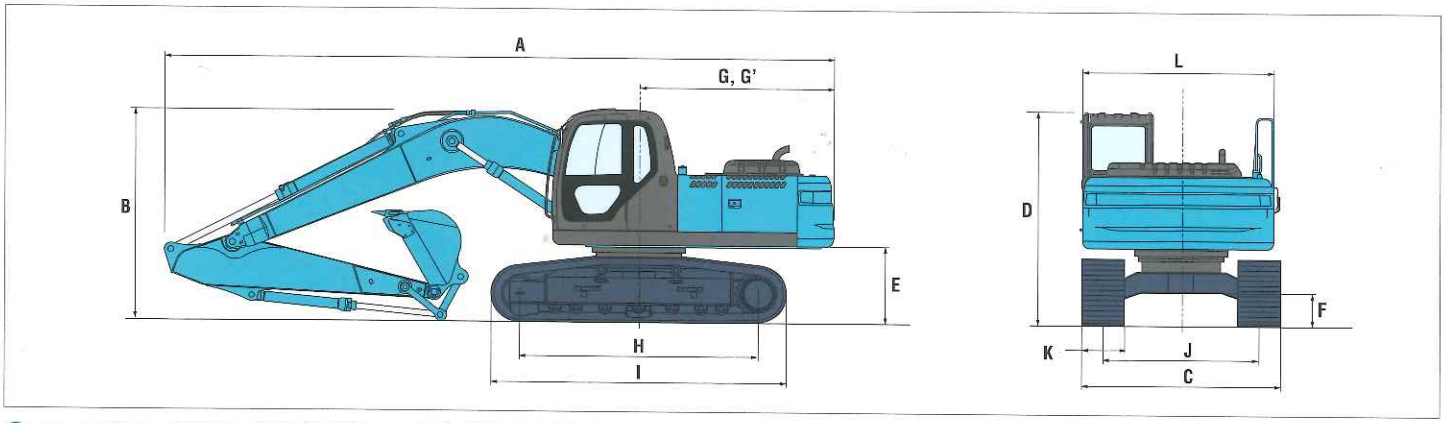
Dimensions

	Arm length		Short 2.4 m	Standard 2.94 m	Long 3.5 m
A	Overall length		9,530	9,450	9,520
B	Overall height (to top of boom)		3,160	2,980	3,180
C	Overall width	SK200	2,800	2,800	2,800
		SK210LC	2,990	2,990	2,990
D	Overall height (to top of cab)		3,030	3,030	3,030
E	Ground clearance of rear end*		1,060	1,060	1,060
F	Ground clearance*		450	450	450

Unit: mm

G	Tail swing radius		2,750	2,750	2,750
G'	Distance from center of swing to rear end		2,750	2,750	2,750
H	Tumbler distance	SK200	3,370	3,370	3,370
		SK210LC	3,660	3,660	3,660
I	Overall length of crawler	SK200	4,170	4,170	4,170
		SK210LC	4,450	4,450	4,450
J	Track gauge	SK200	2,200	2,200	2,200
		SK210LC	2,390	2,390	2,390
K	Shoe width		600/700/800/900		
L	Overall width of upperstructure		2,710	2,710	2,710

* Without including height of shoe lug.

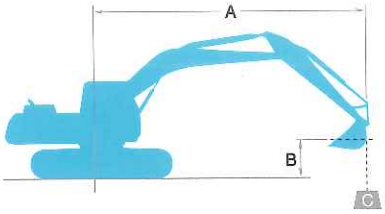


Operating Weight & Ground Pressure

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

Shaped			Triple grouser shoes (even height)			Triangle shoe
Shoe width	mm		600	700	800	900
Overall width	mm	SK200	2,800	2,900	3,000	3,100
		SK210LC	2,990	3,090	3,190	3,290
Ground pressure	kPa (kgf/cm²)	SK200	45 {0.46}	40 {0.40}	35 {0.36}	32 {0.32}
		SK210LC	43 {0.44}	38 {0.38}	33 {0.34}	30 {0.31}
Operating weight	kg	SK200	20,200	20,600	20,900	21,300
		SK210LC	20,600	21,100	21,400	21,800

Lifting Capacities



Rating over front

Rating over side or 360 degrees

A - Reach from swing centerline to bucket hook
B - Bucket hook height above/below ground
C - Lifting capacities in kilograms
• Max. discharge pressure: 37.8 MPa (385 kgf/cm²)

SK200		Standard Arm: 2.94 m Bucket: 0.8 m³ ISO heaped 640 kg Shoe: 600 mm												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											*2,860	*2,860	6.33 m
6.0 m	kg							*4,610	4,540			*2,710	*2,710	7.42 m
4.5 m	kg							*5,130	4,350	*4,520	2,930	*2,720	2,530	8.09 m
3.0 m	kg			*12,070	*12,070	*7,620	6,420	*5,930	4,070	4,450	2,800	*2,850	2,260	8.44 m
1.5 m	kg			*6,670	*6,670	*9,260	5,850	6,140	3,800	4,300	2,670	*3,140	2,150	8.51 m
G. L.	kg			*7,690	*7,690	9,410	5,520	5,910	3,600	4,180	2,560	3,570	2,170	8.30 m
-1.5 m	kg	*6,890	*6,890	*10,910	10,520	9,270	5,400	5,810	3,510	4,130	2,510	3,890	2,370	7.81 m
-3.0 m	kg	*10,460	*10,460	*13,520	10,690	9,320	5,440	5,820	3,520			4,660	2,850	6.96 m
-4.5 m	kg			*10,440	*10,440	*7,450	5,630					*5,670	4,080	5.59 m

SK200		Standard Arm: 2.94 m Bucket: 0.8 m³ ISO heaped 640 kg Shoe: 800 mm												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											*2,860	*2,860	6.33 m
6.0 m	kg							*4,610	*4,610			*2,710	*2,710	7.42 m
4.5 m	kg							*5,130	4,470	*4,520	3,030	*2,720	2,620	8.09 m
3.0 m	kg			*12,070	*12,070	*7,620	6,600	*5,930	4,200	4,600	2,900	*2,850	2,340	8.44 m
1.5 m	kg			*6,670	*6,670	*9,260	6,040	6,350	3,930	4,450	2,760	*3,140	2,230	8.51 m
G. L.	kg			*7,690	*7,690	9,730	5,700	6,120	3,730	4,340	2,650	*3,630	2,260	8.30 m
-1.5 m	kg	*6,890	*6,890	*10,910	10,850	9,590	5,580	6,020	3,630	4,290	2,610	4,040	2,460	7.81 m
-3.0 m	kg	*10,460	*10,460	*13,520	11,020	*9,410	5,620	6,030	3,650			4,830	2,950	6.96 m
-4.5 m	kg			*10,440	*10,440	*7,450	5,820					*5,670	4,220	5.59 m

SK200		Short Arm: 2.4 m Bucket: 0.93 m³ ISO heaped 710 kg Shoe: 600 mm												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											*4,190	*4,190	5.66 m
6.0 m	kg							*5,050	4,390			*3,950	3,420	6.86 m
4.5 m	kg					*6,550	*6,550	*5,510	4,210	*4,420	2,830	*3,990	2,770	7.58 m
3.0 m	kg					*8,220	6,180	*6,250	3,950	4,360	2,720	3,940	2,440	7.95 m
1.5 m	kg					9,590	5,660	6,020	3,700	4,230	2,600	3,790	2,320	8.02 m
G. L.	kg			*6,870	*6,870	9,280	5,410	5,830	3,530	4,140	2,510	3,890	2,360	7.81 m
-1.5 m	kg	*7,710	*7,710	*11,810	10,530	9,220	5,350	5,770	3,470			4,310	2,610	7.28 m
-3.0 m	kg	*12,470	*12,470	*12,240	10,750	*8,820	5,450	5,850	3,540			5,360	3,260	6.36 m
-4.5 m	kg			*8,600	*8,600	*6,210	5,730					*5,690	5,190	4.81 m

SK200		Long Arm: 3.5 m Bucket: 0.7 m³ ISO heaped 630 kg Shoe: 600 mm												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											*2,460	*2,460	6.89 m
6.0 m	kg									*3,200	3,000	*2,350	*2,350	7.90 m
4.5 m	kg							*4,530	4,360	*4,240	2,910	*2,370	2,240	8.53 m
3.0 m	kg			*10,000	*10,000	*6,720	6,510	*5,360	4,060	4,410	2,750	*2,490	1,990	8.86 m
1.5 m	kg			*10,400	*10,400	*8,520	5,860	6,090	3,750	4,230	2,590	*2,740	1,880	8.92 m
G. L.	kg	*3,630	*3,630	*8,600	*8,600	9,310	5,420	5,820	3,500	4,080	2,450	*3,170	1,800	8.73 m
-1.5 m	kg	*6,370	*6,370	*10,620	10,170	9,080	5,220	5,660	3,360	3,990	2,370	3,440	2,030	8.26 m
-3.0 m	kg	*9,310	*9,310	*14,170	10,270	9,060	5,200	5,630	3,330			4,030	2,400	7.47 m
-4.5 m	kg	*12,890	*12,890	*11,730	10,580	*8,160	5,340	5,760	3,450			5,460	3,280	6.21 m
-6.0 m	kg											*5,350	*5,350	4.08 m

SK210LC	Standard Arm: 2.94 m Bucket: 0.8 m³ ISO heaped 640 kg Shoe: 600 mm												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg										*2,860	*2,860	6.33 m
6.0 m	kg						*4,610	*4,610			*2,710	*2,710	7.42 m
4.5 m	kg						*5,130	4,820	*4,520	3,270	*2,720	*2,720	8.09 m
3.0 m	kg			*12,070	*12,070	*7,620	7,180	*5,930	4,540	5,040	3,140	*2,850	2,540	8.44 m
1.5 m	kg			*6,670	*6,670	*9,260	6,600	*6,750	4,270	4,880	3,000	*3,140	2,430	8.51 m
G. L.	kg			*7,690	*7,690	*10,160	6,250	6,760	4,060	4,760	2,890	*3,630	2,680	8.30 m
-1.5 m	kg	*6,890	*6,890	*10,910	*10,910	*10,200	6,130	6,650	3,970	4,710	2,850	4,430	2,220	7.81 m
-3.0 m	kg	*10,460	*10,460	*13,520	12,340	*9,410	6,170	6,670	3,980			5,320	3,220	6.96 m
-4.5 m	kg			*10,440	*10,440	*7,450	6,370					*5,670	4,600	5.59 m

SK210LC	Standard Arm: 2.94 m Bucket: 0.8 m³ ISO heaped 640 kg Shoe: 800 mm												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg										*2,860	*2,860	6.33 m
6.0 m	kg										*2,710	*2,710	7.42 m
4.5 m	kg						*5,130	4,970	*4,520	3,380	*2,720	*2,720	8.09 m
3.0 m	kg			*12,070	*12,070	*7,620	7,390	*5,930	4,690	*5,070	3,250	*2,850	2,640	8.44 m
1.5 m	kg			*6,670	*6,670	*9,260	6,810	*6,750	4,410	5,070	3,110	*3,140	2,520	8.51 m
G. L.	kg			*7,690	*7,690	*10,160	6,470	7,010	4,210	4,950	3,000	*3,630	2,560	8.30 m
-1.5 m	kg	*6,890	*6,890	*10,910	*10,910	*10,200	6,350	6,900	4,110	4,900	2,960	*4,530	2,790	7.81 m
-3.0 m	kg	*10,460	*10,460	*13,520	12,740	*9,410	6,390	*6,880	4,130			5,520	3,340	6.96 m
-4.5 m	kg			*10,440	*10,440	*7,450	6,580					*5,670	4,760	5.59 m

SK210LC	Short Arm: 2.4 m Bucket: 0.93 m³ ISO heaped 710 kg Shoe: 600 mm												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg										*4,190	*4,190	5.66 m
6.0 m	kg						*5,050	4,870			*3,950	3,810	6.86 m
4.5 m	kg					*6,550	*6,550	*5,510	4,690	*4,420	3,160	*3,990	3,100	7.58 m
3.0 m	kg					*8,220	6,930	*6,250	4,420	4,940	3,050	*4,220	2,750	7.95 m
1.5 m	kg					*9,640	6,400	6,880	4,160	4,810	2,930	4,310	2,620	8.02 m
G. L.	kg			*6,870	*6,870	*10,220	6,140	6,680	3,990	4,720	2,850	4,430	2,680	7.81 m
-1.5 m	kg	*7,710	*7,710	*11,810	*11,810	*9,950	6,080	6,610	3,930			4,920	2,960	7.28 m
-3.0 m	kg	*12,470	*12,470	*12,240	*12,240	*8,820	6,180	*6,410	4,000			*5,870	3,680	6.36 m
-4.5 m	kg			*8,600	*8,600	*6,210	*6,210					*5,690	*5,690	4.81 m

SK210LC	Long Arm: 3.5 m Bucket: 0.7 m³ ISO heaped 630 kg Shoe: 600 mm												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg										*2,460	*2,460	6.89 m
6.0 m	kg								*3,200	*3,200	*2,350	*2,350	7.90 m
4.5 m	kg						*4,530	*4,530	*4,240	3,250	*2,370	*2,370	8.53 m
3.0 m	kg			*10,000	*10,000	*6,720	*6,720	*5,360	4,530	*4,650	3,090	*2,490	2,260	8.86 m
1.5 m	kg			*10,400	*10,400	*8,520	6,600	*6,260	4,210	4,810	2,920	*2,740	2,140	8.92 m
G. L.	kg	*3,630	*3,630	*8,600	*8,600	*9,700	6,150	6,670	3,960	4,660	2,780	*3,170	2,160	8.73 m
-1.5 m	kg	*6,370	*6,370	*10,620	*10,620	*10,060	5,950	6,500	3,820	4,570	2,700	*3,910	2,320	8.26 m
-3.0 m	kg	*9,310	*9,310	*14,170	11,910	*9,600	5,930	6,480	3,790			4,610	2,730	7.47 m
-4.5 m	kg	*12,890	*12,890	*11,730	*11,730	*8,160	6,070	*5,790	3,910			*5,480	3,710	6.21 m
-6.0 m	kg											*5,350	*5,350	4.08 m

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. Bucket lift hook defined as lift point.
4. 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.
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.