

### STANDARD EQUIPMENT

### **ENGINE**

- Engine, HINO J05E-TA, Diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V 96Ah)
- Starting motor (24V 5 kW), 50 amp alternator
- Removable clean-out screen for radiator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner

### CONTROL

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

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake
- **HYDRAULIC**
- Arm regeneration system
- Auto warm up system
- Aluminum hydraulic oil cooler
- MIRRORS & LIGHTS

   Two rearview mirrors
- Two rearriew minions
- Two front working lights
- Swing flashers

### **CAB & CONTROL**

- Two control levers, pilot-operated
- Tow eyes
- Horn, electric
- Integrated left-right slide-type control box
- Cab, all-weather sound suppressed type
- Ashtrav
- Cigarette lighter
- Cab light (interior)
- Coat hook
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- 7-way adjustable suspension seat
- Retractable seatbelt
- Headrest
- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- 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, AM/FM Stereo with speakers
- Travel alarm (optional for NZ)
- Level indicator (optional for NZ)

### OPTIONAL EQUIPMENT

- Wide range of buckets
- Various optional arms
- Wide range of shoes■ Boom safety valve
- Arm safety valve

- Front-guard protective structures
- Additional hydraulic circuit
- Pre-air cleaner
- Top guard

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

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ACERA GEOSPEC SK200-8/210LC-8

Hydraulic Excavators













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

- OAdvanced 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

### GEOSDEC 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.

1



### The GEOSPEC Difference:

# **Efficient Performance!**

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





■ Fuel Consumption\*

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



Work Volume

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 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 %

11 %

Swing speed:

faster (12.5 min<sup>-1</sup>)

### 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.\*\*

30 %

### **Light Lever Operation**

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



# into the atmosphere. Powerful Torque at Low-Speed Torque (Nm) Previous engine

### **NEXT-3E Technology New Hydraulic System**

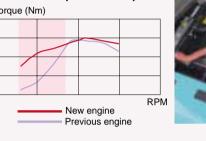


Rigorous inspections for pressure loss are performed on all components of the hydraulic piping, from the spool of the control valve to the connectors. regimen, combined with the use of a new, high-efficiency pump, cuts energy loss to a minimum.

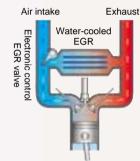
### \*The value shows results from actual measurements taken by KOBELCO when compared with previous KOBELCO models.

### NEXT-3E Technology **Next-Generation Electronic Engine Control**

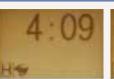
The high-pressure, common-rail fuel-injection engine features a cooled EGR (Exhaust Gas Recirculation) device that lowers the air intake temperature to keep the oxygen concentration down. The multiple injection system features adjustable control to maximize fuel efficiency and provide powerful medium/lowspeed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







### Simple Select: **Two Digging Modes**







For heavy duty when a higher performance level is required.



For normal operations with lower fuel consumption.

### Attachment Mode Selector Switch (Optional)

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 Smode 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

- 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.

<sup>\*\*</sup>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

**Meets Standard Values Set by Emissions** 

The GEOSPEC Difference:

Regulations



### 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.



New MCU

# • Ver cov wa

Conventional MCII

### **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

### Auto Idle Stop Provided as Standard Equipment

emission from non-road special motor vehicles (Japan).

**Designed for the Environment and the Future!** 

The engine used in the GEOSPEC machines represents the

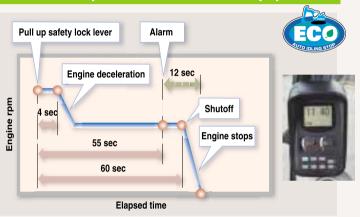
crystallization of various cutting-edge technologies that

minimize the emission of PM (Particulate Matter), NOx, black

smoke, and other emissions, thus meeting all internationally

recognized environmental regulations, including US EPA Tier

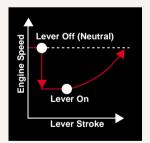
III, NRMM (Europe) Stage IIIA, and act on regulation, etc. of



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.

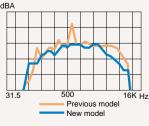
# Automatic Acceleration/Deceleration Function Reduces Engine Speed

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 dBA 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.

### Countermeasures Against Electrical System Failure

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



### **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



# The GEOSPEC Difference:

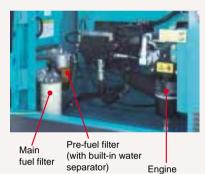
"On the Ground" Maintenance!

### Comfortable "On the Ground" Maintenance

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



### Access through the right side cover



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**



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

Quick 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 twopiece floor mat with handles for easy removal. A floor drain is located under the



 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.



around

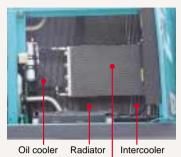
 Hour meter can be Large-capacity tool checked while box can hold up to standing on the



Special crawler frame design is easily

### Access through the left side cover

### Parallel Cooling Units Are Easy to Clean



Air conditioner condenser

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



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.

Super-fine filter

### 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



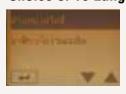
The large-capacity fuel filter is designed specifically for common rail engines. With an increased filtering performance to 2-micron precision, this high-grade filter catches 95% of all dust particles and other impurities in the fuel.

### **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 earlywarning 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.

<b>产</b> 充电不良	Lichtmaschine defekt	CHARGE ERROR	CHARGE ERROR	
Chinese	German	English	English (US)	
ERREUR DE CHARGE	PENGISIAN BATT.		ERRORE DI CARICA	
French	Indonesian	ISO	Italian	
<b>ご</b> チャージ	KESALAHAN CAS	📑 🖣 ချာချင်မဝင်ပါ	ERRO DE CARGA	
Japanese	Malay	Myanmar(Brumese)	Portuguese	
ERROR EN CARGA	📑 தவறாக திணித்தல்	<u>= +</u> ไฟไม่ชาร์จ	<u>F</u> Sạc Điện Bị Lỗi	
Spanish	Tamil	Thai	Vietnamese	



### The GEOSPEC Difference:

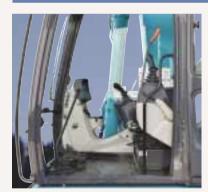
# **Designed from the Operator's Point of View**

### Newly Designed "Big Cab"

The new "Big Cab" provides a roomy operating space with plenty of legroom, and the door opens wide for easy entry and exit. As well as giving a wide, open view to the front, the cab has increased window areas on both sides and to the rear, for improved visibility in all directions.



### Wide-Access Cab Aids Smooth Entry and Exit



Easy entry and exit assured with wider cab entry and safety lock lever integrated with mounting for control lever.

### **Excellent Visibility**



The wide open view to the front combines with minimized blind spots around the machine for greater onsite safety.



### In-Cab Noise is Reduced by 3dB

Compared with previous models.

### **Newly Designed Information Display Prioritizes Visual Recognition**

•In-cab nois
—3dB

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.



### **Creating a Comfortable Operating Environment**



One-touch lock release

simplifies opening and

closing the front window



Large cup holder

● Two-speaker FM radio



Spacious luggage tray

### The GEOSPEC Difference:

### **Imagining Possible Scenarios** and Preparing in Advance

### **ROPS Cab**

The newly developed, 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



- Top guard (Level 2 FOPS: ISO 10262) is available as option.
- To fit vandalism guard, please contact your KOBELCO dealer.

# Safety Features That Take Various Scenarios into



• Firewall separates the pump compartment from the engine



Hammer for emergency exit



Swing flashers/rear working



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





# **Engine**

Model	HINO JO5E-TA
Туре:	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler (Complies with EU (NRMM) Stage IIIA, US EPA Tier III, and act on regulation, etc. of emission from non-road special motor vehicles (Japan))
No. of cylinders:	4
Bore and stroke:	112 mm × 130 mm
Displacement:	5.123 L
Rated power output:	118 kW/2,000 min <sup>-1</sup> (ISO14396:Without fan)
nateu power output.	114 kW/2,000 min <sup>-1</sup> (ISO9249:With fan)
May torque:	592 N•m/1,600 min <sup>-1</sup> (ISO14396:Without fan)
Max. torque:	572 N•m/1,600 min <sup>-1</sup> (ISO9249:With fan)



# Hydraulic System

Pump	
Type:	Two variable displacement pumps + 1 gear pump
Max. discharge flow:	2 × 220 L/min, 1 × 20 L/min
Relief valve setting	
Boom, arm and bucket:	34.3 MPa {350 kgf/cm <sup>2</sup> }
Power Boost:	37.8 MPa {385 kgf/cm <sup>2</sup> }
Travel circuit:	34.3 MPa {350 kgf/cm <sup>2</sup> }
Swing circuit:	29.0 MPa {296 kgf/cm <sup>2</sup> }
Control circuit:	5.0 MPa {50 kgf/cm <sup>2</sup> }
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 <sup>-1</sup> {rpm}
Tail swing radius:	2,750 mm
Min_front swing radius:	3 540 mm



# Travel System

Travel motors:	2 × axial-piston, two-step motors			
Travel brakes:	Hydraulic disc brake			
Parking brakes:	Oil disc brake per motor			
Travel shoes:	46 each side (SK200)			
Havel Silves.	49 each side (SK210LC)			
Travel speed:	6.0/3.6 km/h			
Drawbar pulling force:	229 kN {23.3 tf} (ISO7464)			
Gradeability:	70 % {35°}			
Ground clearance:	450 mm			



# Cab & Control

All-weather, sound-suppressed steel cab mounted on the silicon-sealed

viscous mounts and equipped with a neavy, insulated hoof mat.
Control
Two hand levers and two foot pedals for travel
Two hand levers for excavating and swing
Flectric rotary-type engine throttle



# Boom, Arm & Bucket

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



# Refilling Capacities & Lubrications

Fuel tank:	370 L
Cooling system:	22 L
Engine oil:	22 L
Travel reduction gear:	2 × 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

acking bucket and	arm combination								
			Backhoe bucket						Slope finishing
			Normal digging			Light-duty F		Heavy digging	bucket
	Use			<del>10000</del>	<del>10000</del>	<del>100000</del>			_
Duelest somesite	Heaped (ISO7451) m	0.51	0.7	0.8	0.93	1.05	1.3	0.8	_
Bucket capacity	Struck (ISO7451) m	0.39	0.52	0.59	0.67	0.75	0.9	0.59	_
Opening width W	With side cutters mn	870	1,080	1,160	1,330	1,460	_	1,180	_
	Without mn	770	980	1,060	1,230	1,360	1,630	1,060	2,200 X 1,100
No. of bucket teetl	1	3	5	5	5	6	6	4	_
Bucket weight	kį	520	630	640	710	770	820	750	890
Combinations	2.40 m short arm	0	0	0	0	Δ	Δ	0	Δ
	2.94 m standard arm	0	0	0	Δ	×	×	0	Δ
	3.50 m long arm	0	0	Δ	×	×	×	×	Δ

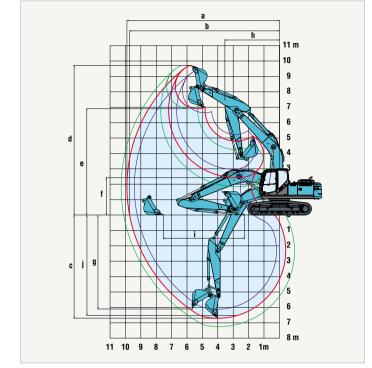


# **Working Ranges**

			Unit: m			
Boom	5.65 m					
Arm Range	Short 2.4 m	Standard 2.94 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			
Rucket canacity ISO heaned m <sup>3</sup>	U 03	0.8	0.7			

Digging Force (ISO 6015)			Unit: kN (tf)
Arm length	Short	Standard	Long
	2.4 m	2.94 m	3.5 m
Bucket digging force	143 {14.6}	143 {14.6}	143 {14.6}
	157 {16.0}*	157 {16.0}*	157 {16.0}*
Arm crowding force	121 {12.3}	102 {10.4}	91.8 {9.36}
	133 {13.6}*	112 {11.4}*	101 {10.3}*

<sup>\*</sup>Power Boost engaged.



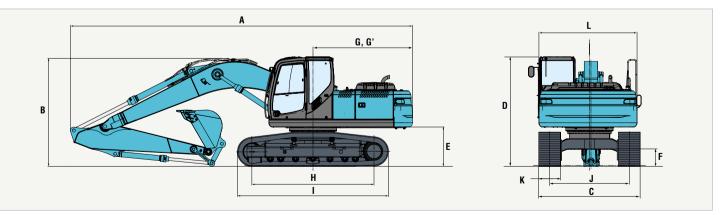
# Short Arm Standard Arm Long Arm

# Dimensions

	Arm length		Short 2.4 m	Standard 2.94 m	Long 3.5 m
Α	Overall length		9,530	9,450	9,520
В	Overall height (to top of boom)		3,160	2,980	3,180
C	Overall width	SK200	2,800	2,800	2,800
U	Overall willin	SK210LC	2,990	2,990	2,990
D	Overall height (to	top of cab)	3,030	3,030	3,030
Ε	Ground clearance	of rear end*	1,060	1,060	1,060
F	<b>Ground clearance</b>	*	450	450	450

					Unit: mm		
G	Tail swing radius		2,750	2,750	2,750		
G'	Distance from cente swing to rear end	er of	2,750	2,750	2,750		
н	Tumbler distance	SK200	3,370	3,370	3,370		
п	Tulliblei distalice	SK210LC	3,660	3,660	3,660		
	Overall length of	SK200	4,170	4,170	4,170		
'	crawler	SK210LC	4,450	4,450	4,450		
J	Track gauge	SK200	2,200	2,200	2,200		
J	ITACK YAUYE	SK210LC	2,390	2,390	2,390		
K	Shoe width			600/700/800/900			
L	Overall width of upp	perstructure	ire 2,710 2,710 2,710				

<sup>\*</sup> Without including height of shoe lug.

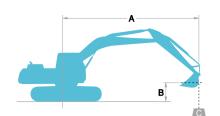


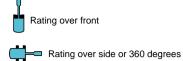
# **Operating Weight & Ground Pressure**

iii stanaara tiriii, witi	Shaned Triangle shoe												
Shaped				Triple grouser shoes (even heig	ht)	Triangle shoe							
Shoe width	mm		600	700	800	900							
Overall width	mm	SK200	2,800	2,900	3,000	3,100							
Overall width	mm	SK210LC	2,990	3,090	3,190	3,290							
Ground pressure	kPa (kgf/cm²)	SK200	46 (0.47)	40 {0.40}	35 {0.36}	32 {0.32}							
Ground pressure	KFa (Kyi/Cili <sup>-</sup> )	SK210LC	43 {0.44}	38 {0.38}	33 {0.34}	30 {0.31}							
Operating weight	len.	SK200	20,400	20,800	21,000	21,200							
	kg	SK210LC	20,800	21,200	21,500	21,600							

○ Recommended △ Loading only × Not recommended 11







- 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)

SK20	0	Standard	tandard Arm: 2.94 m Bucket: 0.8 m³ ISO heaped 640 kg Shoe: 600 mm 1.5 m 3.0 m 4.5 m 6.0 m 7.5 m At Max. Reach												
		1.5	5 m	3.0 m		4.5	4.5 m		) m	7.5	i m	At Max	Reach		
В			<b>#</b>		<b>—</b>		<b>—</b>		<b>—</b>		<b>#</b>		<b>—</b>	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 A	Arm: 2.94 m	Bucket: 0.8	m³ ISO heap	ed 640 kg S	Shoe: 800 mr	n						
		1.5	i m	3.0	m	4.5	5 m	6.0	m	7.5	m	At Max.	Reach	
В					<b>—</b>				<b>—</b>					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 Buc	ket: 0.93 m³	ISO heaped	710 kg Shoe	e: 600 mm							
		1.5	5 m	3.0	m	4.5	5 m	6.0	m	7.5	m	At Max.	Reach	
В			<b>—</b>		<b>—</b>	ŀ	<b>—</b>		<b>#</b>		<b></b>		<b></b>	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

SK20	10	Long Arm	: 3.5 m Buc	ket: 0.7 m³ lS	SO heaped 6	30 kg Shoe:	600 mm							
		1.5	5 m	3.0	) m	4.	5 m	6.0	m	7.5	i m	At Max	. Reach	
В			<b>#</b>		<b>—</b>		<b>—</b>		<b>—</b>		<b>—</b>		<b>—</b>	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	ka											*5.350	*5.350	4.08 m

SK210L0	C	Standard	Arm: 2.94 m	Bucket: 0.8	m³ ISO heap	ed 640 kg S	hoe: 600 mn	n						
		1.5	5 m	3.0	m	4.5	4.5 m		) m	7.5	i m	At Max	Reach	
		-	<b>—</b>	1	<b>—</b>		<b>—</b>		<b>—</b>	-	<b>—</b>		<b>—</b>	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

SK210L0		Standard I	Arm: 2.94 m	Bucket: 0.8	m³ ISO hear	ed 640 kg S	Shoe: 800 mr	n						
		1.5	m	3.0	m	4.	5 m	6.0	m	7.5	i m	At Max.	Reach	
В			<b>—</b>		<b>—</b>				<b>—</b>		<b>—</b>			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 Buc	ket: 0.93 m³	ISO heaped	710 kg Shoo	e: 600 mm	_	-	-	-	-		-
		1.5	i m	3.0	m	4.5 m		6.0	m	7.5	m	At Max.	Reach	
В			<b>—</b>		<b>—</b>		<b>#</b>		<b></b>		<b>—</b>		<b>#</b>	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 Bucl	ket: 0.7 m³ IS	O heaped 6	30 kg Shoe:	600 mm							
		1.5	m	3.0 m		4.5	i m	6.0	m	7.5	i m	At Max.	Reach	
В			<b>—</b>		<b>—</b>		<b></b>		<b></b>		<b>—</b>		<b>—</b>	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

- 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

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6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

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