



Engine

Model	J05ETA-KSSE
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders	4
Bore and stroke	112 mm x 130 mm
Displacement	5.123 L
Rated power output	114 kW/2,000 min ⁻¹ (ISO 9249)
	118 kW/2,000 min ⁻¹ (ISO 14396)
Max. torque	569 N·m/1,600 min ⁻¹ (ISO 9249)
	592 N·m/1,600 min ⁻¹ (ISO 14396)



Hydraulic System

Pump	
Type	Two variable displacement pumps + One gear pump
Max. discharge flow	2 x 220 L/min, 1 x 20 L/min
	Extra gear pump 1 x 44 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm ² }
Power Boost	37.8 MPa {385 kgf/cm ² }
Travel circuit	34.3 MPa {350 kgf/cm ² }
Swing circuit	29.0 MPa {296 kgf/cm ² }
Control circuit	5.0 MPa {50 kgf/cm ² }
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type



Swing System

Swing motor	Axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	13.3 min ⁻¹ {rpm}
Swing torque	73 kN·m
Tail swing radius	2,910 mm
Min. front swing radius	3,550 mm



Attachments

Backhoe bucket and combination

Type	Backhoe bucket			
Bucket capacity	SAE heaped	m ³	1.0	1.3
	SAE Struck	m ³	0.75	0.9
Opening width	With side cutter	mm	1,460	—
	Without side cutter	mm	1,360	1,630
No. of teeth			6	6
Can be turned over			Yes	Yes
Bucket weight		kg	780	820
Combination	2.4m short arm		○	○
	2.94m standard arm		○	×
	3.5m long arm		○	×

◎ Standard combination ○ General operation △ Light operation × Prohibited combination



Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	46 (49) each side
Travel speed	6.0/3.6 km/h
Drawbar pulling force	229 kN (ISO 7464)
Gradeability	70 % {35°}

() show SK210LC



Cab & Control

Cab	
All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.	
Control	
Two hand levers and two foot pedals for travel	
Two hand levers for excavating and swing	
Electric rotary-type engine throttle	



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

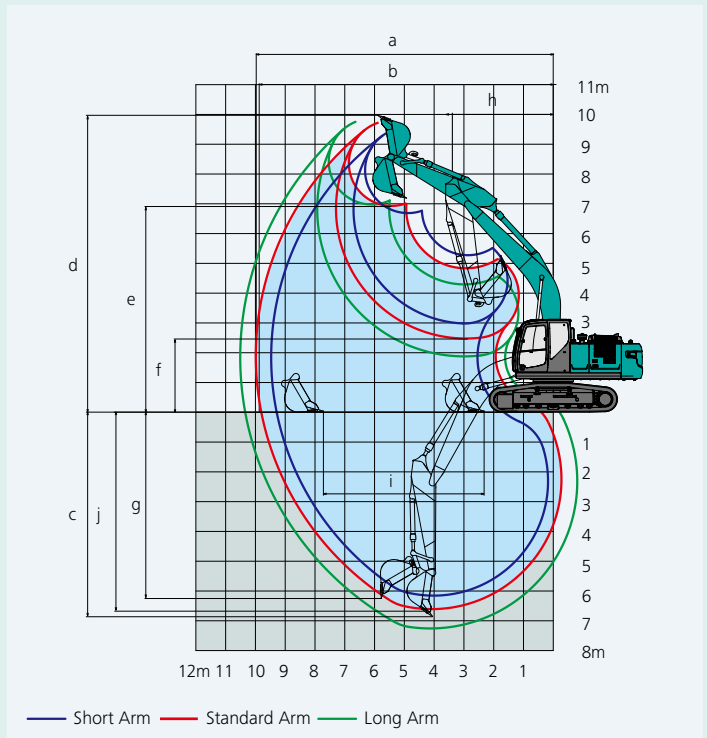
Fuel tank	320 L
Cooling system	18 L
Engine oil	20.5 L
Travel reduction gear	2 x 5.3 L
Swing reduction gear	2.7 L
Hydraulic oil tank	140 L tank oil level
	244 L hydraulic system



Working Ranges

Unit: m

Range	Arm	5.65 m Boom		
		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	3.55	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 m ³		0.93	0.8	0.7



Digging Force (ISO 6015)

Unit: kN

Arm length	Short 2.4 m	Standard 2.94 m	Long 3.5 m
Bucket digging force	143 157*	143 157*	143 157*
Arm crowding force	121 133*	102 112*	91.8 101*

*Power Boost engaged.



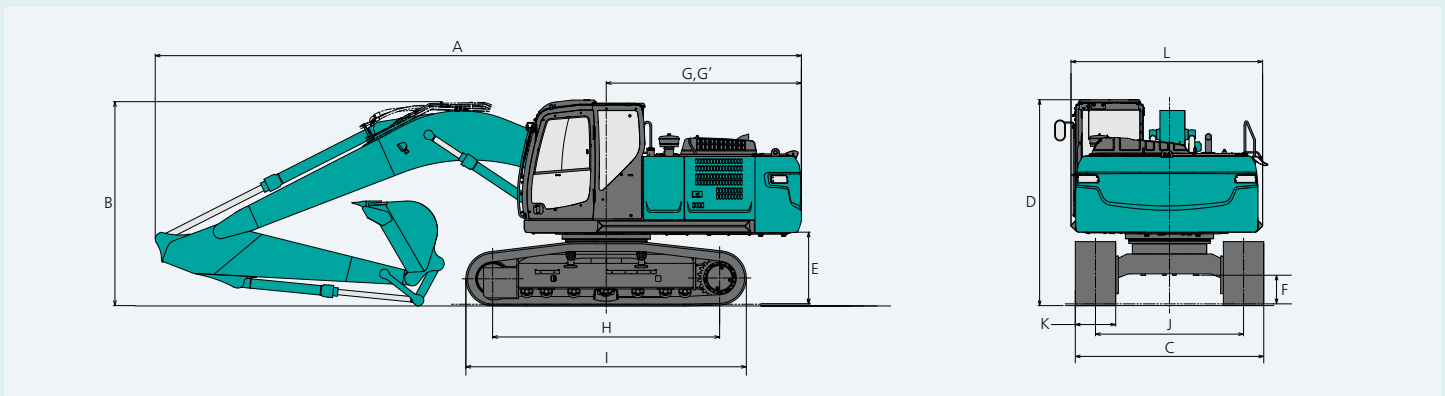
Dimensions

Arm length		Short 2.4 m	Standard 2.94 m	Long 3.5 m
A Overall length		9,680	9,600	9,670
B Overall height (to top of boom)		3,190	3,030	3,180
C Overall width of crawler	SK200	2,800		
	SK210LC	2,990		
D Overall height (to top of cab)		3,060		
E Ground clearance of rear end*		1,060		
F Ground clearance*		430		
G Tail swing radius		2,910		

Unit: mm

G' Distance from center of swing to rear end		2,900
H Tumbler distance	SK200	3,370
	SK210LC	3,660
I Overall length of crawler	SK200	4,170
	SK210LC	4,450
J Track gauge	SK200	2,200
	SK210LC	2,390
K Shoe width		600
L Overall width of upperstructure		2,850

*Without including height of shoe

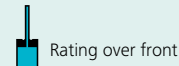
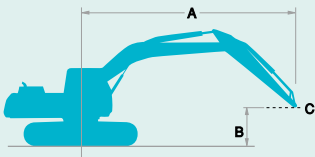


Operating Weight & Ground Pressure

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

Shaped	Triple grouser shoes (even height)			
		600	700	800
Shoe width	mm	600	700	800
Overall width of crawler	SK200	2,800	2,900	2,990
	SK210LC	2,990	3,090	3,180
Ground pressure	SK200	47	41	36
	SK210LC	45	39	35
Operating weight	SK200	21,000	21,400	21,700
	SK210LC	21,400	21,800	22,100

Lift Capacities



Rating over front



Rating over side or 360 degrees

A: Reach from swing centerline to arm top

B: Arm top height above/below ground

C: Lift point

Bucket: Without bucket

Relief valve setting: 37.8 MPa (385 kgf/cm²)

SK200		Boom: 5.65 m Arm: 2.94 m, Bucket: without Shoe: 600 mm (Heavy Lift)												
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg							*5,260	4,720			*4,220	*4,220	6.26 m
6.0 m	kg							*5,880	4,720			*3,900	3,280	7.36 m
4.5 m	kg							*6,430	4,540	4,780	3,140	*3,820	2,770	8.03 m
3.0 m	kg					*9,390	6,540	6,620	4,270	4,660	3,020	3,890	2,510	8.39 m
1.5 m	kg					9,920	6,010	6,330	4,010	4,520	2,900	3,770	2,410	8.46 m
G.L.	kg			*6,290	*6,290	9,570	5,710	6,130	3,830	4,420	2,800	3,860	2,450	8.25 m
-1.5 m	kg	*6,660	*6,660	*11,010	10,740	9,480	5,630	6,040	3,760	4,390	2,780	4,200	2,670	7.75 m
-3.0 m	kg	*11,680	*11,680	*14,740	10,950	9,560	5,700	6,090	3,800			5,020	3,180	6.90 m
-4.5 m	kg			*10,940	*10,940	*8,000	5,950					*6,010	4,510	5.51 m














SK200		Boom: 5.65 m Arm: 3.5 m, Bucket: without Shoe: 600 mm (Heavy Lift)												
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg											*3,590	*3,590	6.85 m
6.0 m	kg									*4,490	3,210	*3,380	2,930	7.86 m
4.5 m	kg							*5,820	4,580	4,800	3,140	*3,350	2,490	8.49 m
3.0 m	kg			*12,900	12,700	*8,490	6,680	6,660	4,290	4,650	3,000	*3,440	2,260	8.83 m
1.5 m	kg			*7,170	*7,170	10,010	6,060	6,330	4,000	4,480	2,850	3,430	2,160	8.89 m
G.L.	kg			*7,660	*7,660	9,550	5,670	6,080	3,770	4,350	2,730	3,490	2,190	8.70 m
-1.5 m	kg	*6,510	*6,510	*10,890	10,490	9,360	5,520	5,950	3,660	4,290	2,670	3,760	2,350	8.23 m
-3.0 m	kg	*10,420	*10,420	*15,890	10,650	9,380	5,530	5,950	3,650			4,390	2,740	7.43 m
-4.5 m	kg	*15,510	*15,510	*12,750	11,000	*9,110	5,710	6,110	3,810			5,890	3,680	6.16 m













SK200		Boom: 5.65 m Arm: 2.40 m, Bucket: without Shoe: 600 mm (Heavy Lift)												
B	A	3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius		
7.5 m	kg											*6,240	5,160	5.59 m
6.0 m	kg					*6,440	4,600					*5,600	3,680	6.80 m
4.5 m	kg			*8,250	6,950	6,810	4,440	4,700	3,060	4,670	3,040	4,670	3,040	7.52 m
3.0 m	kg			*10,110	6,360	6,530	4,190	4,610	2,980	4,240	2,730	4,240	2,730	7.90 m
1.5 m	kg			9,780	5,890	6,270	3,960	4,500	2,880	4,110	2,630	4,110	2,630	7.97 m
G.L.	kg			9,540	5,690	6,110	3,820	4,430	2,810	4,230	2,690	4,230	2,690	7.76 m
-1.5 m	kg	*11,350	10,910	9,520	5,670	6,070	3,780			4,680	2,970	4,680	2,970	7.22 m
-3.0 m	kg	*13,210	11,150	9,670	5,800	6,190	3,890			5,810	3,670	5,810	3,670	6.29 m
-4.5 m	kg			*6,230	6,150					*5,700	*5,700			4.72 m

SK210LC		Boom: 5.65 m Arm: 2.94 m, Bucket: without Shoe: 600 mm (Heavy Lift)												
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
7.5 m	kg							*5,260	5,200			*4,220	*4,220	6.26 m
6.0 m	kg							*5,880	5,200			*3,900	3,630	7.36 m
4.5 m	kg							*6,430	5,010	5,380	3,480	*3,820	3,080	8.03 m
3.0 m	kg					*9,390	7,300	*7,290	4,740	5,260	3,360	*3,900	2,800	8.39 m
1.5 m	kg					*11,100	6,750	7,200	4,480	5,110	3,230	*4,140	2,690	8.46 m
G.L.	kg			*6,290	*6,290	11,100	6,450	6,990	4,290	5,010	3,140	4,360	2,750	8.25 m
-1.5 m	kg	*6,660	*6,660	*11,010	*11,010	11,000	6,360	6,900	4,220	4,980	3,110	4,760	2,990	7.75 m
-3.0 m	kg	*11,680	*11,680	*14,740	12,610	*10,600	6,440	6,950	4,260			5,700	3,560	6.90 m
-4.5 m	kg			*10,940	*10,940	*8,000	6,690					*6,010	5,040	5.51 m

Notes:

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

SK210LC		Boom: 5.65 m Arm: 3.5 m, Bucket: without Shoe: 600 mm (Heavy Lift)													
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius	
															
7.5 m	kg												*3,590	*3,590	6.85 m
6.0 m	kg									*4,490	3,560	*3,380	3,250		7.86 m
4.5 m	kg							*5,820	5,060	5,400	3,480	*3,350	2,780		8.49 m
3.0 m	kg			*12,900	*12,900	*8,490	7,440	*6,750	4,770	5,250	3,340	*3,440	2,530		8.83 m
1.5 m	kg			*7,170	*7,170	*10,400	6,810	7,200	4,470	5,080	3,190	*3,670	2,430		8.89 m
G.L.	kg			*7,660	*7,660	11,080	6,410	6,940	4,240	4,940	3,070	3,960	2,460		8.70 m
-1.5 m	kg	*6,510	*6,510	*10,890	*10,890	10,880	6,250	6,810	4,120	4,870	3,010	4,270	2,650		8.23 m
-3.0 m	kg	*10,420	*10,420	*15,890	12,290	10,900	6,260	6,800	4,120			4,980	3,080		7.43 m
-4.5 m	kg	*15,510	*15,510	*12,750	12,660	*9,110	6,440	*6,420	4,270			*6,100	4,120		6.16 m

SK210LC		Boom: 5.65 m Arm: 2.40 m, Bucket: without Shoe: 600 mm (Heavy Lift)													
B \ A		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius			
															
7.5 m	kg											*6,060	5,610		5.59 m
6.0 m	kg					*6,370	5,000					*5,490	4,010		6.80 m
4.5 m	kg			*8,200	7,660	*6,850	4,850	5,230	3,340	5,200	3,320				7.52 m
3.0 m	kg			*10,110	7,110	7,360	4,620	5,140	3,260	4,730	2,990				7.90 m
1.5 m	kg			11,370	6,670	7,110	4,410	5,040	3,170	4,590	2,880				7.97 m
G.L.	kg			11,140	6,480	6,960	4,270	4,970	3,100	4,730	2,960				7.76 m
-1.5 m	kg	*11,170	*11,170	11,110	6,460	6,920	4,230					5,260	3,280		7.22 m
-3.0 m	kg	*13,330	12,980	*9,930	6,560	7,020	4,320					*6,540	4,070		6.29 m
-4.5 m	kg			*6,220	*6,220							*5,670	*5,670		4.72 m

STANDARD EQUIPMENT

ENGINE

- Engine, HINO J05ETA-KSSE, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V - 96Ah)
- Starting motor (24V - 5 kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner

CONTROL

- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost
- Heavy lift

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
- Hydraulic fluid filter clog detector
- Hydraulic pressure adjustment function for N&B piping
- Quick hitch piping

MIRRORS & LIGHTS

- Two rear view mirrors
- Three front working lights (2 for boom, one for right storage box)
- Rear view camera

CAB & CONTROL

- Two control levers, pilot-operated
- Horn, electric
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Headrest
- Handrails
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer
- Suspension seat
- Radio (AUX & Bluetooth®)
- TOP guard
- Boom & Arm safety valve
- GEOSCAN
- Travel alarm
- Lower Under Cover

OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Additional track guide
- Extra hydraulic circuit
- Two cab lights
- Air suspension seat
- Rain visor (may interfere with bucket action)
- Right side camera
- Refueling pump
- Cab guard

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics. Bluetooth® is a registered trademark of the Bluetooth SIG Inc.