

Lampiran 8 Spesifikasi Kobelco SK 200-8

Specifications

Engine

Model	HINO JOSE
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:	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

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 tH) (SAE J 1309)
Gradeability:	70 % (35°)
Ground clearance:	450 mm

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

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

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

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

		Backhoe bucket					Slope finishing bucket	
		Standard digging	Light-duty	Heavy-duty	Heavy-duty	Heavy-duty		
Bucket capacity	ISO heaped	m ³	0.8	0.93	1.05	1.3	0.8	—
	Struck	m ³	0.59	0.67	0.75	0.9	0.59	—
Opening width	With side cutters	mm	1,160	1,300	1,460	—	1,180	—
	Without side cutters	mm	1,060	1,200	1,360	1,630	1,060	2,200 x 1,100
No. of bucket teeth			5	5	6	6	4	—
Bucket weight		kg	730	790	770	820	750	890
Combinations	2.40 m short arm							
	2.94 m standard arm							
	3.50 m long arm							

Standard Recommended Loading only × Not recommended

Lampiran 8 Spesifikasi Kobelco SK 200-8

SK200 SK210^{LC}
SK210LC-B

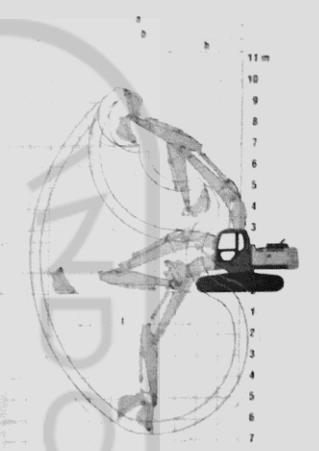
Working Ranges

Reach	Boom	Arm	1.85 m		
			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
Bucket capacity ISO heaped m ³			0.93	0.8	0.7

Digging Force (ISO 6015)

Arm length	Unit: kN (tf)		
	Short 2.4 m	Standard 2.94 m	Long 3.5 m
Bucket digging force	143 (14.6)	143 (14.6)	143 (14.6)
Arm crowding force	121 (12.3)	102 (10.4)	91.8 (9.36)

*Power Boost engaged



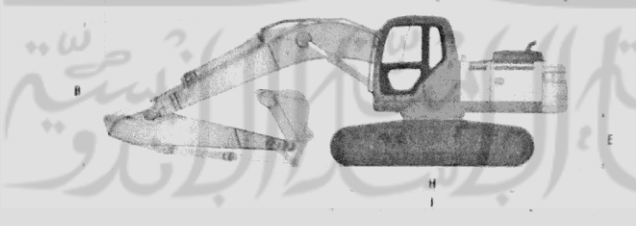
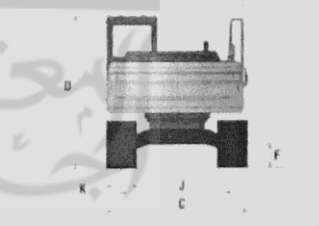
11 10 9 8 7 6 5 4 3 2 1 m

11 10 9 8 7 6 5 4 3 2 1 m

Dimensions

Arm length	Unit: mm		
	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
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

Shoe width	mm		Track pressure shoes (width height)			
			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/cm ²)	SK200	46.10 (4.7)	40.10 (4.1)	35.10 (3.6)	32.10 (3.2)
		SK210LC	43.10 (4.4)	38.10 (3.9)	33.10 (3.4)	30.10 (3.1)
Operating weight	kg	SK200	20,400	21,000	21,000	21,200
		SK210LC	20,900	21,200	21,400	21,800