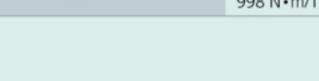
SK220XD/XDLC KOBELCO Excavator Specification



Engine

Model	HINO J08E			
Туре	Direct injection, water-cooled, 4-cycle, 6-cylinder diesel engine with intercooler turbo-charger (Tier3-compliant engine)			
No. of cylinders	6			
Bore and stroke	112 mm X 130 mm			
Displacement	7.684 L			
Rated power output	197 kW/2,100 min ⁻¹ (ISO 9249)			
	209 kW/2,100 min ⁻¹ (ISO 14396)			
Max. torque	969 N•m/1,600 min ⁻¹ (ISO 9249)			
	998 N•m/1,600 min ⁻¹ (ISO 14396)			





Hydraulic System

Pump			
Туре	Two Variable displacement piston pumps + one gear pump		
Max. discharge flow 2 x 294 L/min, 1 x 21 L/min			
Relief valve setting			
Boom, arm and bucket	34.3 MPa {350 kgf/cm²}		
Power Boost	37.8 MPa {385 kgf/cm²}		
Travel circuit	34.3 MPa {350 kgf/cm²}		
Swing circuit 29.0 MPa {296 kgf/cm²}			
Control circuit	5.0 MPa {50 kgf/cm²}		
Pilot control pump	Gear type		
Oil cooler	Air cooled type		

Swing System

Swing motor	Axial-piston mortor		
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position		
Parking brake	Wet multiple plate		
Swing speed	10 min ⁻¹ {rpm}		



Backhoe bucket and arm combination

No. of bucket teeth

Short arm 2.60m

Standard arm 3.30m

Super short arm 2.25m

Bucket weight

Bucket capacity	ISO heaped	
Opening width	With side cutters	
	Without side cutte	

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Travel System

Travel motors	Variable displacement piston pump		
Travel brakes	Hydraulic		
Parking brakes	Wet multiple plate		
Travel shoes	48 each side		
Travel speed	5.6/3.3 km/h		
Drawbar pulling force	332 kN (ISO 7464)		
Gradeability	70 % {35°}		

Cab & Control

Cab

International Comfort Cab with dust free enclosure and with internal pressure of 97pa (earlier cab 27pa). 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	140 mm x 1,550 mm
Arm cylinder	170 mm x 1,788 mm
Bucket cylinder	150 mm x 1,193 mm

Refilling Capacities & Lubrications

Fuel tank	503 L
Cooling system	35 L
Engine oil	28.5 L
Travel reduction gear	2 x 8.0 L
Swing reduction gear	7 L
Hydraulic oil tank	245 L tank oil level
	410 L hydraulic system

	m²	1.6	1.8	2.0	2.3
tters	mm	1,470	1,670	1,970	1,890
cutters	mm	1,390	1,640	1,760	1,770
		5	5	5	5
	kg	1,810	1,830	1,740	1,860
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