



Engine

Model	HINO J08E
Type	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	
Type	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/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
Oil cooler	Air cooled type



Swing System

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



Attachments

Backhoe bucket and arm combination

Bucket capacity	ISO heaped	m ³	1.6	1.8	2.0	2.3
Opening width	With side cutters	mm	1,470	1,670	1,970	1,890
	Without side cutters	mm	1,390	1,640	1,760	1,770
No. of bucket teeth			5	5	5	5
Bucket weight		kg	1,810	1,830	1,740	1,860
Super short arm 2.25m			☉	○	□	□
Short arm 2.60m			☉	□	□	×
Standard arm 3.30m			□	□	×	×



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