



Overall Data				Steering System	
Bucket Capacity (m <sup>3</sup> )		1.5		Type	Hydraulic Load Sensor System
Rated Payload (kg)		1000		Cylinders-Bore × Stroke (mm)	2-63 × 280
Operating Weight (kg)		4200		Steering Pump	Shared With Working Pump
Traction Force (kN)		31		System Pressure (MPa)	14
Breakout Force (kN)		36		Steering Angle	±35°
	I	II		Hydraulic System	
Forward	8.3	20.8		Lift Cylinders-Bore × Stroke (mm)	2-80 × 610
Reverse	7.7	19.0		Tilt Cylinder-Bore × Stroke(mm)	1-100 × 450
<b>Engine</b>		<b>Changchai 490B</b>		Working Pump	Gear Pump
Rated Power (kW/rpm)		32/2400		Flow Rate (L/min/RPM)	120/2400
Rated Torque (Nm/rpm)		150/1800		System Pressure (MPa)	16

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Starting Voltage (V)		24				
Drive Train		Hydraulic Cycle Time, Rated Load in Bucket (In Second):				
Torque Converter	Single-stage, Single-turbine, 3-element	Raise(Loaded)	Dump	Lower(Empty)	Total	
Torque Ratio	3.7	4.5	01.2	2.2	7.9	
Transmission	Fixed Shaft Hydraulic Shift Spur Gear	Electrical System				
Gear	2F/2R	System Voltage (V)		24		
Pressure of Transmission (MPa)		1.2-1.5		Battery(2 in series) (Ah)		180
Main Reducer	Spiral Bevel Gear Single-stage Reduction	Lamp Voltage (V)		24		
Final Reducer	Planetary Reduction	Service Refill Capacity				
Tire	11.00-16	Fuel Tank (L)		80		
Brake System		Hydraulic Tank (L)		80		
Service Brake	Air Drive, Four Wheel Brake (Dry)	Transmission (L)		16		
Setting Pressure (MPa)	0.78 Flexible Shaft	Front Axle (L) / Rear Axle (L)		8/8		
Parking & Emergency Brake		Controlled Caliper				

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