



Overall Data				Steering System	
Bucket Capacity (m³)		3		Type	Hydraulic Load Sensing
Rated Payload (kg)		5000		Cylinders-BorexStroke (mm) 2-100×324	
Operating Weight (kg)		16800		Steering Pump Gear Pump	
Traction Force (kN)		155		System Pressure (MPa) 15	
Breakout Force (kN)		170		Flowrate (L/min/RPM) 176/2200	
Max.Dumping Height (mm)		3103			
Travel speeds (km/h):				Steering Angle ±35°	
	I	II		Hydraulic System	
Forward	11.5	36		Lift Cylinders-BorexStroke(mm)	2-180×721
Reverse	16			Tilt Cylinder-BorexStroke (mm)	1-200×563
Engine		WEICHA WD10G220E21		Model of Implement Pump Gear Pump	
Rated Power (kw/rpm)		162/2200		Flowrate (L/min/RPM) 220/2200	

Shanghai Longji Construction Machinery Co., Ltd.

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Peak Torque (Nm/rpm)	860/1400-1600	System Pressure (MPa)	16
Starting Voltage (V)	24	Pilot Control System Pressure(MPa)	2.5
Drive Train		Hydraulic Cycle Time, Rated Load in Bucket (In Second):	
Torque Converter	Single-stage, Duo-turbine, 4-element	Raise(Loaded)	Dump
		Lower(Empty)	Total
Torque Ratio	4	6	1.2
		3.8	11
Transmission	Planetary Powershift Transmission	Electric System	
Gear	2F/1R	System Voltage (V)	24
Pressure of Transmission (MPa)	1.2-1.5	Battery(2 in series) (Ah)	120
Main Reducer	Spiral Bevel, 1-stage Reduction	Lamp Voltage (V)	24
Final Reducer	Planetary Reduction	Service Refill Capacity	
Tire	23.5-25 L-3 16PR	Fuel Tank (L)	235
Brake System		Hydraulic Tank (L)	220
Service Brake	Single Circuit Caliper Air Brake	Crankshaft (L)	20
Setting Pressure (MPa)	0.70-0.78	Transmission (L)	45
Parking & Emergency Brake	Air Actuated Caliper Brake	Front Axle (L) / Rear Axle (L)	23/23
		Air Conditioning System (Optional)	
		Heating Capacity (W)	5800(±10%)
		Cooling Capacity (W)	4500(±10%)

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