



Engine	
Model	Cummins 6CTAA8.3
Type	Direct injection, water cooled
Rated power	160KW
Rated speed	2200rpm
Rated fuel consumption	207g/Kw.h
Main Technical Specification	
Rated load	5000Kg
Operating weight	16300Kg
Rated bucket capacity	3m ³
Max. breakout force	165kN
Max. dump clearance	3050mm
Dump reach	1190mm
Dump angle at any position	45°
Digging depth (with bucket bottom horizontal)	165mm
Min. turning radius	

Shanghai Longji Construction Machinery Co., Ltd.

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-----Outside of bucket	6675mm
-----Outside of rear wheel	5875mm
Oscillating angle of rear axle	±13°
Lifting time of bucket	≤5.8s
Lowering time of bucket	≤3.8s
Dumping time	≤1.2s
Working Equipment	
Model of oil pump	CBGj3100
System pressure	19.8Mpa
Model of multi-way directional valve	HUSCO
Pilot valve	HUSCO
Axle And Tyre	
Type of main reducer	Spiral bevel gear, single stage
Gear ratio of main reducer	4.625
Type of final reducer	Single stage planetary
Gear ratio of final reducer	4.9286
total ratio	22.795
Max. tractive force	160kN
Tyre size	23.5-25-16PR
Transmission System	
Torque Converter	
Type	3-elements. Single stage(ZF supplier)
Torque ratio	2.55
Cooling type	Pressure oil circulating
Gear box	
Type	Power shift, spur gear constant-mesh
Gear shifts (Forward/Reverse)	F3/R3
Traveling speed(Km/h)	
Forward/Reverse I	7.05/9.0
Forward/Reverse II	11.7/16.0
Forward/Reverse III	34.6/38.24
Braking System	
Service brake	Caliper disc brake Air over oil activate 4 wheel brake
Air pressure	0.8Mpa
Parking brake	Manual control cutting off air brake
Steering System	
Type	Central articulated frame, co-axis flow amp. Steering
Model of steering pump	CBGJ2063
System pressure	16MPa
Articulated steering angle	38±1°(L/R)
Dimensions	
Length(with bucket on ground)	8215mm
Width(to outside of wheels)	2800mm

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Height(To the top of the cab)	3450mm
Bucket width	2946mm
Wheel base	3350mm
Tread	2200mm
Ground clearance	450mm
Service Capacities	
Fuel tank	250L
Engine crank case	42L

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