



Medium Wheel Loader LGL50D

Engine	
Model	WD615G220
Type	Direct injection, water cooled
Rated power	162KW
Rated speed	2200rpm
Rated fuel consumption	200g/Kw.h
Main Technical Specification	
Rated load	5000Kg
Operating weight	16500Kg
Rated bucket capacity	3m ³
Max. breakout force	145kN
Max. dump clearance	3050mm
Dump reach	1290mm
Dump angle at any position	45°
Digging depth (with bucket bottom horizontal)	210mm
Min. turning radius	
-----Outside of bucket	6300mm
-----Outside of rear wheel	5795mm
Oscillating angle of rear axle	±11°
Lifting time of bucket	≤6.8s
Lowering time of bucket	≤3.8s
Dumping time	≤1.2s
Working Equipment	

Shanghai Longji Construction Machinery Co., Ltd.

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Model of oil pump	CBGj3100
System pressure	16Mpa
Model of multi-way directional valve	Double valve, mechanical operation
Axle And Tyre	
Type of main reducer	Spiral bevel gear, single stage
Gear ratio of main reducer	5.286
Type of final reducer	Single stage planetary
Gear ratio of final reducer	4.4
total ratio	23.258
Max. tractive force	123kN
Tyre size	20.5-25
Transmission System	
Torque Converter	
Type	Single stage, double turbine, colligation(Sinoway)
Torque ratio	4
Cooling type	Pressure oil circulating
Gear box	
Type	Power shift(Sinoway)
Gear shifts (Forward/Reverse)	F2/R1
Traveling speed(Km/h)	
Forward/Reverse I	11.5/16
Forward II	38
Braking System	
Service brake	Double pipes, gas drive oil, four wheel disc type braking
Air pressure	0.68Mpa
Parking brake	Hand braking
Steering System	
Type	Hinge joint frame, priority type, flux expanding turning system
Model of steering pump	CBGJ2080
System pressure	14MPa
Articulated steering angle	38±1°(L/R)
Dimensions	
Length(with bucket on ground)	7500mm
Width(to outside of wheels)	2990mm
Height(To the top of the cab)	3400mm
Bucket width	2975mm
Wheel base	2760mm
Tread	2240mm
Ground clearance	480mm
Service Capacities	
Fuel tank	220L
Engine crank case	22L
Converter and gear box	45L

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Hydraulic tank	210L
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