



Medium Wheel Loader LGL50F

Engine	
Model	C6121
Type	Vertical, water cooled, four-stroke, direct injection
Rated power	158KW
Rated speed	2200rpm
Rated fuel consumption	220g/Kw.h
Main Technical Specification	
Rated load	5000Kg
Operating weight	16500Kg
Rated bucket capacity	3m ³
Max. breakout force	165kN
Max. dump clearance	3200mm
Dump reach	1180mm
Dump angle at any position	45°
Digging depth (with bucket bottom horizontal)	212mm
Min. turning radius	
----Outside of bucket	6300mm
----Outside of rear wheel	5795mm
Oscillating angle of rear axle	±11°
Lifting time of bucket	≤5.8s
Lowering time of bucket	≤3.77s
Dumping time	≤1.43s
Working Equipment	
Model of oil pump	CBGj3100
System pressure	18Mpa
Model of multi-way directional valve	DF32.2C
Pilot valve	DJS2-UX/UU
Axle And Tyre	
Type of main reducer	Single stage
Gear ratio of main reducer	4.625
Type of final reducer	Column straight gear planet speed reducer
Gear ratio of final reducer	4.94
total ratio	23.85
Max. tractive force	160kN

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Tyre size	23.5-25
Transmission System	
Torque Converter	
Type	Single stage, double turbine, colligation(Sinoway)
Torque ratio	4
Cooling type	Pressure oil circulating
Gear box	
Type	Hydraulic gear 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	Draper-type soft axle control
Steering System	
Type	Hinge joint frame, priority type, flux expanding turning system
Model of steering pump	CBGJ2080
System pressure	16MPa
Articulated steering angle	38±1°(L/R)
Dimensions	
Length(with bucket on ground)	7900mm
Width(to outside of wheels)	2745mm
Height(To the top of the cab)	3450mm
Bucket width	2975mm
Wheel base	3250mm
Tread	2240mm
Ground clearance	440mm
Service Capacities	
Fuel tank	280L
Engine crank case	22L
Converter and gear box	45L
Hydraulic	

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