



ZL50G-7 WHEEL LOADER SPECIFICATIONS

- Equipped with reliable CATERPILLAR 3306B license engine or genuine Cummins engine
- 3 forward & 3 reverse power shift transmission
- Bucket automatic leveling ability
- Combined seal cylinder obtains high seal performance and more reliability

Overall Dimension		
1	Length(with bucket on ground)	8247(mm)
2	Width(to outside of wheels)	2800(mm)
3	Bucket width	2946(mm)
4	Height(To the top of the cab)	3540(mm)
5	Wheel base	3200(mm)
6	Tread	2200(mm)

7	Min. ground clearance	450(mm)
Main Technical Specification		
1	Rated load	5000(Kg)
2	Operating weight	16400KG
3	Rated bucket capacity	3.0(m ³)
4	Max. breakout force	160kN
5	Max. dump clearance	3050(mm)
6	Dump reach	1107(mm)
7	Dump angle at any position	≥ 45 ⁰
8	Digging depth(with bucket bottom horizontal)	210
9	Min. turning radius	
	(1) Outside of bucket	5970(mm)
	(2) Outside of rear wheel	5775(mm)
10	Pivot angle frame	40 ⁰
11	Oscillating angle of rear axle	±12 ⁰
12	Lifting time of bucket	≤5.8(sec.)
13	Lowering time of bucket	≤3.8(sec.)
14	Dumping time	≤1.2(sec.)
15	Traveling speed(Km/h), 4 forward and 3 reverse	
	(1) 1st gear	6.7/6.7
	(2) 2nd gear	12.2/12.2
	(3) 3rd gear	25.6/25.6
	(4) 4th gear	39/
Diesel engine		

1	Model	Cummins 6CTAA 8.3-C215 (TIER2)	CAT 3306B Licensed Engine C6121
2	Type	Direct injection. Turbocharged. Water cooling	
3	Rated output	160 (kW)	158(Kw)
4	Inter-bore of cylinder/stroke	114/135 (mm)	121/152(mm)
5	Total exhaust of cylinder	8.3 (L)	9.7260(L)
6	Model of starting motor	42MT	KB-24V
7	Power of start motor	8.2(KW)	7.5(KW)
8	Voltage of starting motor	24(V)	24(V)
9	Rated speed	2200(r/min)	2200(r/min.)
10	Max. Torque	998(N.M)	≥843(N.m)
11	Starting type	Electric	Electric
12	Min. specific fuel consumption	233(g/Kw.h)	≤235(g/Kw.h)
13	Engine specific oil consumption	0.9-1.6(g/Kw.h)	0.95-1.77(g/Kw.h)
14	Net weight	617(kg)	960(Kg)
Transmission System			
Torque Converter			
1	Model	ZF technology WG200	
2	Type	3-elements.single stage	
3	Torque ratio	2.55	
4	Cooling type	Pressure oil circulating	
(二)、Transmission case			
1	Model	ZF technology WG200	
2	Type	power shift, spur gear constantly in mesh	

3	Gear shift position	4 Forward and 3 reverse gears
(三)、Axle and Tire		
1	Type of main reducer	spiral bevel gear, single stage
2	Gear ratio of main reducer	4.556
3	Type of final reducer	Single stage planetary
4	Gear of ratio of final reducer	5
5	Gear ratio	22.78
6	Max. drawing force	150kN
7	Size of tire	23.5-25-16PR
Working Device Hydraulic System		
1	Model of oil pump	Commercial P350-83.6+20.9
2	System pressure	20MPa
3	Model of distribution valve	HUSCO
4	Pilot valve	HUSCO
5	(D*L)Dimension of lifting cylinder	Φ160*90*740(mm)
6	(D*L)Dimension of tilting cylinder	Φ180*90*500(mm)
Steering System		
1	Type	Middle articulated frame. Co-axis flow amp. Steering
2	Model of steering pump	Commercial P330-64.6+16.1
3	Model of steering gear	Danfoss 150G4107
4	System pressure	16MPa
5	Dimension of steering cylinder	Φ90*45*435(mm)
Brake System		
1	Type of traveling brake	hydraulic

2	Oil pressure	55(kgf/cm ²)
3	Type of emergency brake	Automatic cutting oil hydraulic brake
4	Type of parking brake	inner expand hoof Automatic boosting. inner expand hoof
Oil Capacity		
1	Fuel(diesel)	250(L)
2	Engine lubricating oil	19(L)
3	Oil for converter and gear box	45(L)
4	Oil for hydraulic system	220(L)
5	Oil for driving axles (F/R)	37x2(L)