



ZL50G-6 WHEEL LOADER SPECIFICATIONS

- 4 forward & 3 reverse power shift transmission
- KD switch operate easily and efficiently
- Load-sensed full hydraulic steering system dual-pump confluent flow working hydraulic& steering system
- Combined seal cylinder obtains high seal performance and more reliability

Overall Dimension		
1	Length(with bucket on ground)	8215(mm)
2	Width(to outside of wheels)	2800(mm)
3	Bucket width	2946(mm)
4	Height(To the top of the cab)	3450(mm)
5	Wheel base	3350(mm)
6	Tread	2200(mm)



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B&F TRADING SDN. BHD. (48560-U)
Lot No 35384 Jalan Raja Dr Nazrin Shah (8KM)
(Jalan Gopeng), 31300 Ipoh, Perak Darul Ridzuan, Malaysia

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Email: info@bnfgroup.net
Website: www.bnfgroup.net

7	Min. ground clearance	450(mm)
Main Technical Specification		
1	Rated load	5000(Kg)
2	Operating weight	16300KG
3	Rated bucket capacity	3.0(m ³)
4	Max. breakout force	160kN
5	Max. traction	150kN
6	Max. gradient ability	30 ⁰
7	Max. dump clearance	3050(mm)
8	Dump reach	1107(mm)
9	Dump angle at any position	≥45 ⁰
10	Digging depth(with bucket bottom horizontal)	165(mm)
11	Min. turning radius	
	(1) Outside of bucket	6675(mm)
	(2) Outside of rear wheel	5879(mm)
12	Pivot angle frame	40 ⁰
13	Oscillating angle of rear axle	±13 ⁰
14	Lifting time of bucket	5.8(sec.)
15	Lowering time of bucket	3.8(sec.)
16	Dumping time	1.2(sec.)
17	Traveling speed(Km/h), 4 forward and 3 reverse	
	(1) 1st gear(F/R)	6.7/6.7
	(2) 2nd gear (F/R)	12.2/12.2



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	(3) 3rd gear (F/R)	25.6/25.6
	(4) 4rd gear(F)	35
Diesel engine		
1	Model	ShangChai C6121 engine
2	Type	Direct injection. Turbocharge. Water cooling
3	Rated output	162 (kW)
4	Inter-bore of cylinder/stroke	121/152(mm)
5	Total exhaust of cylinder	9.7260(L)
6	Model of starting motor	KB-24V
7	Power of start motor	7.5(KW)
8	Voltage of starting motor	24(V)
9	Rated speed	2200(r/min.)
10	Max. Torque	843±6%(N.m)/1400(r/min)
11	Starting type	Electric
12	Min. specific fuel consumption	230(g/Kw.h)
13	Engine specific oil consumption	0.95-1.77(g/Kw.h)
14	Net weight	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



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(二)、Transmission case		
1	Model	ZF technology WG200
2	Type	power shift, spur gear constant-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	4.625
3	Type of final reducer	Single stage planetary
4	Gear of ratio of final reducer	4.9286
5	Total ratios	22.795
6	Size of tire	23.5-25-16PR
Working Device Hydraulic System		
1	Model of oil pump	CBGj 3100-S
2	System pressure	200(kgf/cm ²)
3	Model of Muti-way directional valve	7130-B97(HUSCO)
4	Pilot valve	406-1044-1145(HUSCO)
5	(D*L)Dimension of lifting cylinder	Φ160*90*715(mm)
6	(D*L)Dimension of tilting cylinder	Φ180*90*530(mm)
Steering System		
1	Type	Middle articulated frame. Co-axis flow amp. Steering
2	Model of steering pump	CBGj2063/1016-XFS
3	Model of redirector	TLF1-E1000B+FKB6020
4	Model of priority valve	YXL-F160L-N7-H



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4	System pressure	16MPa
5	Dimension of steering cylinder	Φ90*45*400(mm)
Brake System		
1	Type of traveling brake	Caplier disc brake Air over oil activate 4 wheel brake
2	Air pressure	7-8(kgf/cm ²)
3	Type of emergency brake	Manual control cutting-off air brake
4	Type of parking brake	Drum brake Manual control cutting-off air brake
Oil Capacity		
1	Fuel(diesel)	250(L)
2	Engine lubricating oil	42(L)
3	Oil for converter and gear box	42(L)
4	Oil for hydraulic system	180(L)
5	Oil for driving axles (F/R)	20/20(L)



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