



ZL30H WHEEL LOADER SPECIFICATIONS

- Equipped with Chinese Dongfeng-Cummins Engine
- 3 forward 3 reverse power shift transmission
- Combined seal cylinder obtains high seal performance and more reliability

Overall Dimension		
1	Length(with bucket on ground)	6863(mm)
2	Width(to outside of wheels)	2305mm)
3	Bucket width	2460(mm)
4	Height(To the top of the cab)	3095(mm)
5	Wheel base	2750(mm)
6	Tread	1855(mm)

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7	Min. ground clearance	370(mm)
Main Technical Specification		
1	Rated load	3000(Kg)
2	Operating weight	10200KG
3	Rated bucket capacity	1.7(m ³)
4	Max. breakout force	96kN
5	Max. dump clearance	2850(mm)
6	Dump reach	1030(mm)
7	Dump angle at any position	≥ 45°
8	Min. turning radius	
	(1) Outside of bucket	5600(mm)
	(2) Outside of rear wheel	5205(mm)
9	Pivot angle frame	38±1°
10	Oscillating angle of rear axle	±11°
11	Lifting time of bucket	≤5.1(sec.)
12	Lowering time of bucket	≤3.0(sec.)
13	Dumping time	≤1.1(sec.)
14	Traveling speed(Km/h), 3 forward and 3 reverse	
	(1) 1st gear forward	7.3
	(2) 2nd gear forward	15.7
	(3) 3rd gear forward	35
	(1) 1st gear reverse	7.8
	(2) 2nd gear reverse	16.8
	(3) 3rd gear reverse	36

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Diesel engine		
1	Model	Dongfeng Cummins 6BT5.9 – C120
2	Type	Direct injection. Turbocharged. Water cooling
3	Rated output	87(KW)
4	Inter-bore of cylinder/stroke	102 /120 (mm)
5	Total exhaust of cylinder	5.9 (L)
6	Voltage of starting motor	24(V)
7	Rated speed	2200(r/min)
8	Max. Torque	440(N.M)
9	Starting type	Electric
10	Min. specific fuel consumption	220(g/Kw.h)
Transmission System		
(一) Torque Converter		
1	Model	YJH315A-4 (Shanxi Aerospace Power)
2	Type	3-elements. Single stage
3	Torque ratio	2.4
4	Cooling type	Pressure oil circulating
(二)、Transmission case		
1	Model	Chinese Changlin
2	Type	power shift, spur gear constantly in mesh
3	Gear shift position	3 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	3.889

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3	Type of final reducer	Single stage planetary
4	Gear ratio of final reducer	4.941
5	total ratios	19.216
6	Max. traction	83kN
7	Specifications of tire	17.5-25-12PR
Working Device Hydraulic System		
1	Model of oil pump	CBGj2100
2	System pressure	160(kgf/cm ²)
3	Model of distribution valve	DF32
5	(D*L)Dimension of lifting cylinder	Φ125*70*697(mm)
6	(D*L)Dimension of tilting cylinder	Φ150*70*466 (mm)
Steering System		
1	Type	Middle articulated frame. Co-axis flow amp. Steering
2	Model of steering pump	CBGj2050
3	Model of steering gear	BZZ1-E400C/FKA-143020
4	System pressure	14MPa
5	Dimension of steering cylinder	Φ70*40*323(mm)
Brake System		
1	Type of traveling brake	Assisted oil.4 wheel brake
2	Air pressure	7-8(kgf/cm ²)
3	Type of emergency brake	Automatic cutting air brake
4	Type of parking brake	inner expand hoof Automatic boosting. inner expand hoof
Oil Capacity		
1	Fuel(diesel)	120(L)

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2	Engine lubricating oil	20(L)
3	Oil for converter and gear box	32(L)
4	Oil for hydraulic system	120(L)
5	Oil for driving axles (F/R)	16/15(L)