



ZL60H WHEEL LOADER SPECIFICATIONS

- Equipped with reliable original Cummins engine
- Kick-down switch allows better efficiency & easy operation
- Famous original GRAZIANO wet type axle with multi-disc limitedslip differentials deliver maximum traction in changing traction conditions
- Reliable ZF transmission case and torque converter
- Bucket automatic leveling ability
- Combined seal cylinder obtains high seal performance and more reliability

Tondonty				
Overall Dimension				
1	Length(with bucket on ground)	8280(mm)		
2	Width(to outside of wheels)	2897(mm)		
3	Bucket width	3064(mm)		
4	Height(To the top of the cab)	3565(mm)		
5	Wheel base	3300(mm)		
6	Tyre tread	2300(mm)		
7	Min. ground clearance	460(mm)		

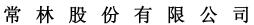
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Main Technical Specification					
1 Rated load	6000(Kg)				
2 Operating weight	18600kg				
3 Rated bucket capacity	3.5(m ³)				
4 Max. breakout force	186KN				
5 Max. Driving force	180 KN				
6 Max. dump clearance	3028(mm)				
7 Dump reach	1229(mm)				
8 Dump angle at any position	≥ 45°				
9 Digging depth(with bucket bottom horizontal)	212(mm)				
10 Min. turning radius					
(1)Outside of bucket	6870(mm)				
(2)Outside of rear wheel	6400(mm)				
11 Pivot angle frame	38 <u>+</u> 1 ⁰				
12 Oscillating angle of rear axle	<u>+</u> 12°				
13 Lifting time of bucket	6.0(sec.)				
14 Lowering time of bucket	3.9(sec.)				
15 Dumping time	1.9(sec.)				
16 Traveling speed(Km/h)	6 Traveling speed(Km/h)				
(1)1st gear (Forward & reverse)	6.6				
(2)2nd gear (Forward & reverse)	11.7				
(3)3rd gear (Forward & reverse)	23.1				
(4)4th gear (Forward)	36				
Diesel engine					

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1	Model	Cummins 6CTAA8.3-C240 (TIER2) SHAN			SHANG	CHAI C6121ZG20 (TIER1)
2	Туре	Direct injection. Turbocharged. Water coolir				
	Rated output		179kW			174kW
4	Inter-bore of	Inter-bore of cylinder/stroke		114/135(mm)		121/152 (mm)
5	Total exhaust of cylinder		8.3(L)			10.5L
6	Model of starting motor		Delco-Remy 42MT		42MT	4N3181
7	Power of start motor		8.2(KW)			7.5(KW)
8	Voltage of starting motor		24(V)			24V
9	Rated speed		2200rpm		1	2200rpm
10	Max. Torque		1146(N.m)		۱)	918.5(N.m)
11	Starting type		Electric			Electric
12	Min. specific fuel consumption		205(g/Kw.h)		h)	238g/Kw.h
13	Engine specific oil consumption		0.9-1.6(g/Kw.h)		w.h)	0.95-1.77(g/Kw.h)
14	Net weight		617(Kg)		1	960Kg
Tra	Transmission System					
1. T	1. Torque Converter					
1	Туре			3-element.single stage		.single stage
2	Torque ratio			2.55		
3	Max. Dia. of flow path			340(mm)		
4	Cooling type			Pressure oil circulating		
2. (2. Gear Box					
1	Model			ZF 4WG200		
2	Туре			Fixed shaft. Power shift		
3	Gear shift position			4 Forward and 3 reverse gears		

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2 4							
	3. Axle and Tire						
1	Type of main reducer				single stage		
2	Gear ratio of main reducer			4.444			
3	Type of final re	educer			single stage planetary		
4	Gear of ratio o	Gear of ratio of final reducer			5.167		
5	Total gear ratio)			22.963		
6				23.5-25 -16PR (L-3)			
Worl	Working Device Hydraulic System						
1	Model of oil pump			P257-G80367ZCA6/P124-G20LIG			
2	System pressure			20(MPa)			
3	Model of distribution valve			HUSCO 7130-B97			
4	Model of pilot	pressure controller v	valve		HUSCO 7480-75		
5	(d*I)Dimension of lifting cylinder			Ф160*90*801(mm)			
6	(D*I)Dimension of tilting cylinder			Ф210*110*494(mm)			
Stee	Steering System						
1	Туре	Middle articulated fr	rame. full hydraulic power				
2	Model of steel	ring pump			467RD6G	P257-G80467HCX6/G40LIG	
				(for C	6121)	(For Cummins)	
3	Model of steer	ring gear	BZZ ₃ -100				
5	System press	ure	16MPa				
6	Dimension of	steering cylinder	Ф100*50*425(mm)				
Brake System							
1	Type of traveling brake			Air assisted oil.4 wheel brake			
2	Air pressure			0.7-0.8 (MPa)			

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2	Type of emergency brake	Manual control cutting-off air brake	
3	Type of parking brake	inner expand hoof Automatic boosting. inner expand hoof	
Oil Capacity			
1	Fuel(diesel)	350(L)	
2	Engine lubricating oil	19(L)	
3	Brake System	2 x 1.5(L)	
4	Oil for converter and gear box	45(L)	
5	Oil for hydraulic system	250(L)	
6	Oil for driving axles (F/R)	70(L)+57(L)	