

Wheel Loader

Wheel loader is a construction machinery of earth and stone extensively used in the building of roads, railways, architecture, hydroelectricity, ports and mines. It is mainly used for shoveling soil, ores, limes charcoals and other loose materials. It can also be used for a light shoveling of ores and pan soil. With different auxiliary devices, it can bulldoze, lift, and load and unload other materials like lumber. **Wheel loader** is used to dig and fill roadbeds, aggregate and load asphalt mixture and cement concrete soil stock ground in the construction of roads, especially high-caliber roads. Besides, it can bulldoze soil, slick the ground, and tow other machinery. Thanks to its rapid operational speed, high efficiency, fine mobility and handy movement, it had become one of the major machinery in the earth and stone construction.



W136 Wheel Loader

1. Energy-saving, economical, with a much lower consumption of oil per hour than other products of the same kind.
2. A good overall structural strength, solid and durable, low cost of operation, easy maintenance.
3. Fully exemplifying human-oriented concept of design and make the operators more comfortable when using it.
4. A harmonious overall layout, an advanced design allocation, an excellent capacity, a strong mobility and high efficiency.

W156 Wheel Loader

1. Great brand engine, high power, low oil-consumption, low noise and reliable performance.

2. Double turbo hydraulic torque converter, planet power shifting transmission and higher transmission efficiency.
3. Fortified axles by optimization of European technology has stronger loading competence , stronger driving power and higher reliability.
4. Integral instrument platform -- pretty and elegant, reliable quality, durability and long service life.
5. Rear frame with box structure, hinged panels with low stress and high strength steel -- sturdy and durable;
6. Hydraulic parts and components such as cylinders, pumps, valves are all adapt domestic and international famous brands -- stable and reliable.

Main Specification of W136 **Wheel Loader**

Main standard Configuration				
1	Bucket Capacity	1.8M ³		
2	Rated Load	3200kg		
3	Travelling Speed			
	Forward 1st	0-10.8km/h		
	Forward 2nd	0-32.5km/h		
	Reverse 1st	0-14.5km/h		
4	Max. Traction	97±5kN		
5	Max.Break Out Force	100±5kN		
6	Min. Turning Radius (outside tires)	5376±50mm		
7	Max. Dumping Height	3060±50mm		
8	Max. Dumping Reach	1008±50mm		
9	Total Hydraulic Cycle Time	≤10.3s		
10	Full Bucket Lifting Time	≤5.6s		
11	Wheel Base	2750±30mm		
12	Tread Width	1800±10mm		
13	Dimensions (L×W×H)	6970±100×2245±50×3286±50mm		
14	Min. Clearance Over Ground	360±20mm		
15	Operating Weight	10000±100kg		
Diesel Engine				
1	Model	YuChai	Duetz	Cummins 6BT5.9-C130
2	Type	Direct injection, water cooling, 4 strokes,		
3	Rated Output	92kW	92kW	97kW
4	Rated Speed	2200rpm		
5	Max. Torque	460N.m	500N.m	560N.m
Transmission				
1	Model	self made		

2	Rated Input Speed	2200rpm
3	Transmission Type	two forward and one reverse gears/power shift, planet type
Mechanical Gear Ratios		
1	Gear I	2.576
2	Gear II	0.691
3	Reverse	1.8846
4	Hydraulic Oil Pressure	1.10-1.40Mpa
5	Inlet Oil Pressure Of Torque Convertor	0.33-0.5Mpa
6	Outlet Oil Pressure Of Torque Convertor	0.1-0.20Mpa
7	Lubricating Oil Pressure	0.1-0.20Mpa
8	Max. Permissible Temp & Outlet Of Torque Convertor	120°C
Transaxle & Tyre		
1	Transaxle Type	Fenyi
2	Drive System	4 wheel drive
3	Rear Axle Oscillation	Center oscillation
4	Oscillating Angle of Rear Axle	12°
5	Carrier Assembly Reduction Ratio	4.375
6	Wheel End Reduction Assembly Reduction Ratio	4.75
7	Tire	17.5-25
8	Pressure Of Tire	0.28-0.32MPa
Working Hydraulic System		
1	Working Pump Type	Gear Pump
2	System Working Pressure	16MPa
3	Lifting Cylinder Bore × Stroke	125×816mm
4	Tilting Cylinder Bore × Stroke	140×553 mm
Steering System		
1	Type	full hydraulic power steering system
2	Steering Pump Type	CBY2050 (reverse)
3	Max. Working Pressure	10MPa
4	Steering Cylinder Bore × Stroke	80×340mm
5	Max. Steering Angle	±36°
Brake System		
1	Type	Air over hydraulic disc on four wheels brakes
Oil Injection Capacity		
1	Fuel Tank	150L
2	Engine Oil	15L

3	Transmission	27L
4	Hydraulic Oil Tank	140L
5	Transaxle	30L

Main Specification of W156 Wheel Loader

Main standard Configuration		
1	Bucket Capacity	3.0M ³
2	Rated Load	5000kg
3	Travelling Speed	
	Forward 1st	0-11.5km/h
	Forward 2nd	0-37.5km/h
	Reverse 1st	0-17km/h
4	Max. Traction	165±5kN
5	Max. Break Out Force	150±5kN
6	Min. Turning Radius (outside tires)	6700±50mm
7	Max. Dumping Height	2970±50mm
8	Max. Dumping Reach	1200±50mm
9	Total Hydraulic Cycle Time	≤11.1s
10	Full Bucket Lifting Time	≤5.76s
11	Wheel Base	3427±30mm
12	Tread Width	2300±10mm
13	Dimensions (L×W×H)	L:8075×W:2960×H:3500mm
14	Min. Clearance Over Ground	380±20mm
15	Operating Weight	16200±200kg
Diesel Engine		
1	Model	WEICHAH WD615 CATERPILLAR C6121 CUMMINS6CTA8.3-C215 WD615 C6121 666CTA8.3-C215
2	Type	Direct injection, turbocharged, water cooling, 4 strokes, 6 cylinders
3	Rated Output	162kW 162kW 160kW
4	Rated Speed	2200rpm
5	Max. Torque	855N.m 860N.m 908N.m
Transmission		
1	Model	ZL50 Hangzhou Advance Gearbox Group Co., Ltd
2	Rated Speed Input	2200rpm
3	Transmission Type	two forward and one reverse gears/power shift, planet type

Mechanical Gear Ratios		
1	Gear I	2.4346
2	Gear II	0.6532
3	Reverse	1.7814
4	Hydraulic Oil Pressure	1.10-1.40Mpa
5	Inlet Oil Pressure Of Torque Convertor	0.30-0.45Mpa
6	Outlet Oil Pressure Of Torque Convertor	0.20-0.30Mpa
7	Lubricating Oil Pressure	0.10-0.20Mpa
8	Max. Permissible Temp & Outlet Of Torque Convertor	120℃
Transaxle & Tyre		
1	Transaxle Type	self-made by Meritor technology
2	Drive System	4 wheel drive
3	Rear Axle Oscillation	Center oscillation
4	Oscillating Angle of Rear Axle	13°
5	Carrier Assembly Reduction Ratio	4.625
6	Wheel End Reduction Assembly Reduction Ratio	4.94
7	Tire	23.5-25
8	Pressure Of Tire	0.28-0.32MPa
Working Hydraulic System		
1	Working Pump Type	Gear Pump
2	System Working Pressure	17MPa
3	Lifting Cylinder Bore × Stroke	165×757mm
4	Tilting Cylinder Bore × Stroke	200×540 mm
Steering System		
1	Type	Articulation, full hydraulic power steering system with flow-amplified system
2	Steering Pump Type	CBGJ2080
3	Max. Working Pressure	12MPa
4	Steering Cylinder Bore x Stroke	100×342mm
5	Max. Steering Angle	35°±1°
Brake System		
1	Type	Air over hydraulic disc on four wheels brakes
Oil Injection Capacity		
1	Fuel Tank	300L
2	Engine Oil	30L
3	Transmission	45L

4	Hydraulic Oil Tank	200L
5	Transaxle	30L

Points for attention when using **wheel loader**.

1. Before using **wheel loader**, the driver and other people concerned must carefully read maintenance instructions or operation maintenance brochure attached to the machine and conduct the machine as required. Otherwise, serious consequences and unnecessary loss will be caused.
2. The driver must get dressed as is prescribed by the safety requirements, and wear necessary protection devices.
3. There must be a warning sign within the area or on the dangerous point if the operational range is small or it is a dangerous zone.
4. The driver is absolutely forbidden from operating the machine under influence or when he feels extremely tired.
5. When maintained or checked in the central hinge zone, the machine should be fixed with a shaft which prevents it from rotation so as to avoid the relative rotation between the front and back frames.
6. Climb up or down the **wheel loader** where there is ladder and handrails when it has come to a steady stop. Do not jump up or down when it is still moving.
7. The swing arm must be padded with a firm foundation when it is lifted for the machine's maintenance. Guarantee that under no circumstances will the arm fall.

World Equipment is a professional Chinese manufacturer and supplier of **wheel loader**. We provide clients with two popular products, W136 **wheel loader**, W156 **wheel loader**. In our over 10 years experience of export, we have accumulated abundant clients and product experience. We have clients in Congo, Tanzania, Russia, Algeria, Philippines, Kazakhstan, Iran, Saudi Arabia, Nigeria, Singapore, Indonesia, Malaysia, The United Arab Emirates, South Africa, Australia, Brazil, Sudan.