

Flexibility, Safety & Reliability



YX635 Wheel Loader

Reliability & Durability

- ☑ Reliable drive system
- ☑ Upgraded hydraulic system
- ☑ New design concept of electrical system
- ☑ Optimal designed structural components

Comfort & Convenience

- ☑ Cab space enlarged by 15%
- ☑ Low noise, shock-absorbed and dust proof cab
- ☑ Back-flipped engine hood, easy for maintenance
- ☑ Humanization-designed operating lever

Efficiency

- ☑ High travel speed
- ☑ Small turning radius and good adaptability to various working sites
- ☑ Short total cycle time with flexible movement

Safety

- ☑ Reinforced ROPS & FOPS cab
- ☑ Reliable braking system
- ☑ Safe and comfortable operating environment

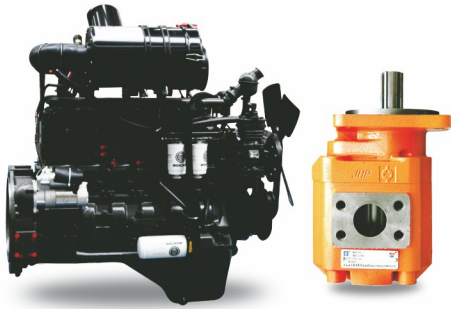
Energy Saving & Green Initiative

- ☑ Remarkable fuel and energy conservation
- ☑ Optimum radiation
- ☑ Low noise

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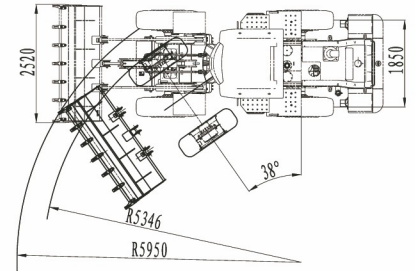
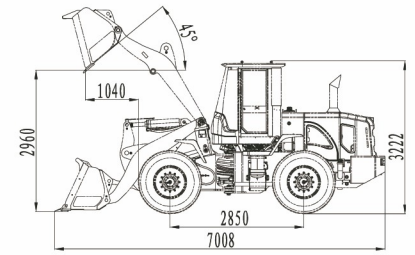
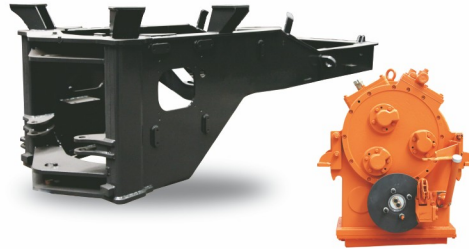
Energy Saving & Green Initiative



◆ Weichai WP6G125E23 engine is adopted for strong power, large torque reserve and excellent performance. Pumps with large displacement are equipped, which greatly increases working efficiency and decreases fuel consumption and noise, together with short total cycle time.

Reliability & Durability

- ◆ Structural components are of advanced design and manufacture, featuring excellent impact resistance, reliability and load capacity.
- ◆ Countershaft transmission is adopted, which is compact in structure. With high transmission efficiency, low failure rate, tiny impact of shifting and easy maintenance, it suits well to 3 MT loaders.



Technical Parameters

Bucket capacity	m ³	1.2~3.0(standard bucket 1.8)	Total cycle time(lift, dump & lower)	s	≤9.2
Rated load	kg	3000	Dump height/Dump angle	mm/°	2960/45
Overall operating weight	kg	10300	Dump distance/Dump angle	mm/°	1040/45
Max. traction force	kN	≥100	Min. ground clearance	mm	371.5
Max. breakout force	kN	≥100	Wheel base	mm	2850
Gradeability	°	30	Wheel tread	mm	1850
Min. turning radius(outer side of the bucket)	mm	5950	Departure angle	°	30
Min. turning radius(outer side of the tire)	mm	5346	Steering angle(left & right)	°	38
Overall dimension(standard configuration)			mm		
			7008*2520*3222		

Engine

Model - - - - - Weichai WP6G125E23
 Type - - in-line, water-cooling, four-stroke,
 direct injection, turbo charged
 Rated power - - - - - 92kW

Braking System

Service brake - - - - - air-over-oil
 caliper disc
 Parking brake
 (emergency brake) - - - - - flexible shaft
 caliper disc

Tire

Specification - - - - - 17.5-25
 Tread pattern - - - - - general pattern

Drive System

Torque converter type - - - single stage,
 3 elements
 Transmission type - - - - - fixed shaft,
 power shift
 Gears - - - - - 4 forward, 2 reverse
 Main drive type - - - - - spiral bevel gear,
 first reduction
 Hub reduction type - - - - - planetary,
 first reduction
 Drive axle - - - - - dry type axle

Working Device Hydraulic System

Hydraulic system pressure - - - - 16Mpa
 Control type - - - - - joystick
 Oil pump type - - - - - gear pump

Steering System

Type - - - - - load sensing hydraulic
 Oil pump type - - - - - gear pump
 Oil pump displacement - - - - - 100ccr
 Working pressure - - - - - 14Mpa

Oil Capacity

Fuel tank - - - - - 173L
 Engine oil - - - - - 16L
 Transmission oil - - - - - 42L
 Hydraulic oil - - - - - 100L
 Gear oil (per axle) - - - - - 7L
 Antifreeze liquid - - - - - 40L

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