

High Configuration with High Performance & Reliability

YX638 Wheel Loader

Reliability & Durability

- ☑ Equipped with Cummins engine with strong power and high reliability
- ☑ Electro-hydraulic control fixed shaft transmission
- ☑ Reinforced axle with large bearing capacity
- ☑ Imported waterproof & dustproof plug connectors and centralized fuse box are used in the electrical system, which ensures reliable performance
- ☑ Long wheel base ensures high reliability and overall stability
- ☑ Electrical system is in centralized control, which is easy for inspection and maintenance

Energy Saving & Green Initiative

- ☑ Cummins engine with strong power and low fuel consumption
- ☑ Torque converter is optimally matched, reducing the fuel consumption

Efficiency & Flexibility

- ☑ High travel speed at each gear
- ☑ Small turning radius with flexible operation
- ☑ Load sensing hydraulic steering system contributes to easy steering
- ☑ Pilot control is used for working device hydraulic system, which increases the maneuverability

Comfort & Convenience

- ☑ Full decorated cab with all-around clear visibility, ample space, good seal and low noise
- ☑ Combination & stepping type exquisite instrumental panel
- ☑ Three stage shock absorption system is used for comfortable operation

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Energy Saving & Green Initiative

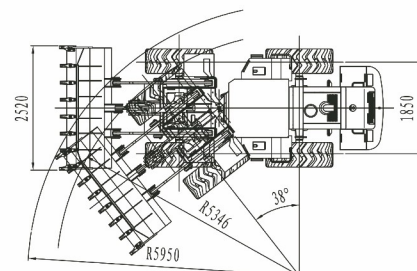
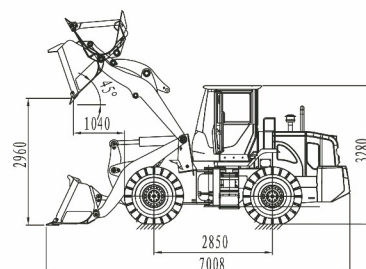


◆ Cummins engine is equipped for strong power and high reliability. Electro-hydraulic control fixed shaft transmission (4 forward gears and 3 reverse gears) is equipped for high transmission efficiency and comfortable operation.

Reliability & Durability

◆ Digital stepping type exquisite instrumental panel is equipped, which ensures real-time monitoring on the data and condition of the loader. Electrical system is centralize-controlled, which is convenient for testing and maintenance.

◆ The cab is full decorated and with all-around clear visibility and good seal. Three stage shock absorption system and new type shock absorption seat are adopted for better performance in shock absorption, which upgrades the comfort of operation.



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	10500	Dump distance/Dump angle	mm/°	1040/45
Max. traction force	kN	≥105	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*3280		

Engine

Model - - - - - Cummins 6BT5.9-C130

Type - - 6-cylinder, in-line, water-cooling, four stroke, direct injection, turbo charged

Rated power - - - - - 97kW

Braking System

Service brake - - - - - air-over-oil caliper disc

Parking brake (emergency brake) - - - manual pneumatic control drum brake

Tire

Specification - - - - - 17.5-25

Tread pattern - - - - - general pattern

Drive System

Torque converter type - - - single phase, 3 elements

Transmission type - - - fixed shaft electro-hydraulic control shift

Gears - - - - - 4 forward, 3 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 - - - - - pilot control

Oil pump type - - - - - gear pump

Steering System

Type - - - - - load sensing hydraulic

Oil pump type - - - - - gear pump

Oil pump displacement - - - - - 63ccr

Working pressure - - - - - 15Mpa

Oil Capacity

Fuel tank - - - - - 173L

Engine oil - - - - - 18L

Transmission oil - - - - - 59L

Hydraulic oil - - - - - 90L

Gear oil (per axle) - - - - - 17L

Antifreeze liquid - - - - - 40L

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