

Compacted Structure & Flexible Operation



YX620 Wheel Loader

Energy Saving & Green Initiative

- ☑ Reasonable match of transmission system with low fuel consumption
- ☑ Powerful engine is adopted for energy saving and green initiative

Efficiency

- ☑ High travel speed at each gear
- ☑ Small turning radius and flexible operation
- ☑ Load sensing system is portable, speedy, accurate and flexible

Comfort & Convenience

- ☑ Separated transmission, easy for maintenance
- ☑ Reasonably distributed axles with good stability
- ☑ Comfortable cab with all-around clear visibility, ample space, good seal and low noise
- ☑ A/C is optional for better driving environment

Reliability & Durability

- ☑ Branded transmission system with reliable performance
- ☑ Upgraded hydraulic system and electric system
- ☑ Optimal designed structural components with large bearing capacity
- ☑ Thickened wear plate

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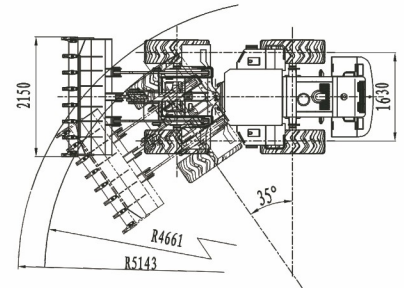
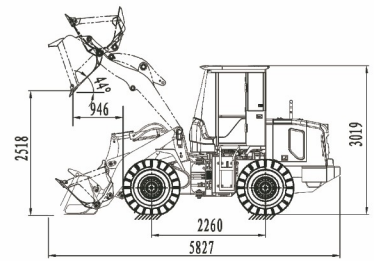
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◆ Yuchai engine is equipped, featuring strong power, low fuel consumption and reliable performance.

Reliability & Durability

- ◆ Reinforced front and rear frames are with large bearing capacity. Reasonable distribution of overall load assures stability. And small turning radius enables the operation to be more flexible, which can adapt well to narrow work site.
- ◆ Reinforced drive axles are adopted for large bearing capacity and high reliability. Enlarged wheel tread and wheel base improve the overall stability, and adaptability to working conditions.



Technical Parameters

Bucket capacity	m ³	1.0	Total cycle time(lift, dump & lower)	s	≤9
Rated load	kg	2000	Dump height/Dump angle	mm/°	2518/44
Overall operating weight	kg	6200	Dump distance/Dump angle	mm/°	946/44
Max. traction force	kN	≥56	Min. ground clearance	mm	293
Max. breakout force	kN	≥58	Wheel base	mm	2260
Gradeability	°	30	Wheel tread	mm	1630
Min. turning radius(outer side of the bucket)	mm	5143	Departure angle	°	30
Min. turning radius(outer side of the tire)	mm	4661	Steering angle(left & right)	°	35
Overall dimension(standard configuration)			mm 5827*2150*3019		

Engine

Model - - - - - YC4D80-T20
 Type - - vertical, in-line, water-cooling, four-stroke, naturally aspirated
 Rated power - - - - - 58kW

Braking System

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

Tire

Specification - - - - 16/70-20-14PR
 Tread pattern - - - - general pattern

Drive System

Torque converter type - - - single stage, 3 elements
 Transmission type - - - - fixed shaft, power shift
 Gears - - - - - 2 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 - - - 17.5Mpa
 Control type - - - - - pilot control
 Oil pump type - - - - - gear pump

Steering System

Type - - - - - load sensing hydraulic
 Oil pump type - - - - - gear pump
 Oil pump displacement - - - - - 50ccr
 Working pressure - - - - - 16Mpa

Oil Capacity

Fuel tank - - - - - 140L
 Engine oil - - - - - 13L
 Transmission oil - - - - - 45L
 Hydraulic oil - - - - - 73L
 Gear oil (per axle) - - - - - 8L
 Antifreeze liquid - - - - - 24L