



Wheel Loader

**JIN'ONG 757K**

Tier 2

**JIN'ONG 晋工**



# Specifications

**Operating weight:** 17,300kg

Operating weight includes the work equipment stipulated by manufacturer, the unloaded attachments, driver (75kg), full-filled fuel tank, full-filled radiator, and all fluids (including the hydraulic oil, drive oil, engine oil, and engine coolant) added to the set level stipulated by manufacturer.

**Bucket capacity:** 2.7-4.5m<sup>3</sup>

## Engine

### Description

Weichai power low-rpm engine, China II emission high torque at low rpm, more powerful, lower fuel consumption.  
Standard 93 dust rate, enabling the four matching parts to drop their rate of early wear by 90% or higher ;  
Intake heater grille effectively solve the difficulty to start up at low temperature.  
Hyperboloid fan makes the heat dissipation more effective and the noise lower.

Emission grade	Tier 2
Manufacturer	Weichai
Model	WD10G220E23
Total power of engine ( SAE J1995 / ISO 14396 )	162kW(220hp) @2000rpm
Max. torque	890 N·m
Displacement	9.726L
Number of cylinders	6
Intake type	Turbocharger

## Fluid level

Fuel	290 L
Engine oil	23 L
Antifreeze	60 L
Hydraulic oil	290 L
Drive oil	53 L
Drive axle / single	44 L

## Drive parts

### Description

Highly efficient torque converter and highly reliable low-rpm transmission developed by Jingong Jingong ZL50L low-rpm planetary drive transmission.  
Single-stage four-element dual-turbo hydraulic torque converter.  
Heavy-duty type drive axle developed by Jingong.

Power - train type	Drive axle Power gear-shifting
Torque converter	Single- stage Four elements
Max. traveling speed, forward	36 km/h
Max. traveling speed, backward	16 km/h
Gears, forward	2
Gears, backward	1

## Drive axle

Type	Jingong 50H axle
Swinging angle	±10°

## Hydraulic system

### Description

This hydraulic system is of dual-pump confluence and steering - prevailing type, featuring the high efficiency and low fuel consumption.

Hydraulic pump is of high-pressure gear pump, featuring the excellent performance and higher reliability.

Hydraulic elements are of high standard and new process type, making its system more reliable.

Work pump type	Gear pump
System pressure	16 MPa
Lifting duration	6.3 s
Unloading duration	1.4 s
Lowering duration	3.5 s
Sum of three durations	11.2 s
Control type	Control handle

## Brake

### Description

The service brake is of Air-against-oil caliper disc brake type and the parking brake is of cable-control type clamp brake type.

Type of service brake	Caliper disc brake
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Type of service brake	Air - against - oil
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Type of parking brake	Clamp type brake
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Type of parking brake	Cable control
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## Control

### Description

Steering system: articulated steering by steering wheel.

System supply: full-hydraulic coaxial flow-amplification steering system, flexible and easy steering and reliable performance.

Steering cylinder: two action cylinders.

Steering type	Steering wheel
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Steering pressure	16 MPa
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Number of cylinders	2
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Diameter of cylinder bore	100 mm
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Diameter of piston rod	55 mm
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Travel of cylinder	324 mm
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Displacement of pump	80 ml/r
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Steering angle	±35°
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Min. steering (outside of tire)	6,543 mm
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## Cab

### Description

Meter: all important information is located in the middle instruments and inside the vision of operators.

The large space panoramic cab is equipped with adjustable steering, pilot control, dust-proof, shock-absorbing and noise reducing, which improves the comfort and safety of the driver.

The automobile electrophoretic primer treatment process is used for the housing of whole machine, which can effectively prevent rust.

The interior adopts composite material, standard visor curtain, silk-loop mattress, artistic and natural.

The cab adopts four-point elastic suspension with two-way shock absorption.

Sound-absorbing materials are used to reduce noise, and cushion insulation to reduce indoor reverberation.

## Noise & Air conditioner

Cab noise In line with ISO 6396-2008 / EN ISO 3744-1995	83 dB(A)-- Travel mode
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Cab noise In line with ISO 6396-2008 / EN ISO 3744-1995	84 dB(A)--Stationary work cycle mode
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Outdoor noise In line with ISO 6395-2008	110 dB(A)--Travel mode
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Outdoor noise In line with ISO 6395-2008	111 dB(A)--Stationary work cycle mode
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Heating capacity of A/C	5 kW (7.8 hp)
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Refrigerating capacity of A/C	4.7 kW (8 hp)
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## Electronic system

### Description

GPS (Global Positioning System)

Brand-new intelligent instrument system is able to monitor the real-time work conditions of complete vehicle.

Updated smart control system with independent intellectual property has the remote diagnosis system which could provide the fast and accurate solution to customer in case of failure

Reversing alarm could make the driving safer.

Voltage	24 V
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Battery	2 x 12 V
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Battery capacity	2 x 120 Ah
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Capacity of cold startup	850 A
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Reserve capacity	230 min
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Grade of AC generator	1960 W / 70 A
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Output of starter motor	7.5 kW
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## Performance parameters

### Description

Tilting load is calculated at the condition with bucket capacity at 3.0 m<sup>3</sup> and operating weight at 17300kg.

Limit tipping load GB/T10175.1	12,000 kg
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Rated operating load GB/T10175.1	10,500 kg
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Breakout force	>170 kN
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Pivot height at max. lifting height	4,160 mm
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Unloading height	3,100 mm
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Unloading height at max. lifting height	1,220 mm
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Breakout depth	35 mm
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Max. bucket-withdrawing angle on the ground	45°
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Max. bucket-withdrawing angle at transporting position	48°
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Max. bucket-withdrawing angle at max. lifting height	53°
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Unloading angle	45°
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## Dimensions

E Ground clearance	408 mm
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G Wheelbase	3230 mm
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H Cab height	3410 mm
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J Wheel track	2250 mm
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K Outside width of tire	2850 mm
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L Overall length (with the attachments)	7880 mm
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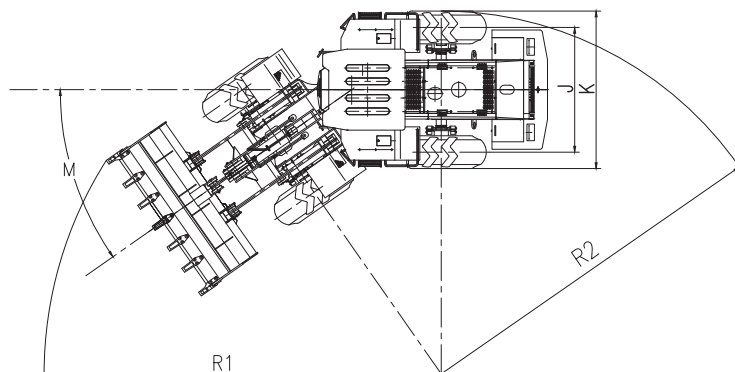
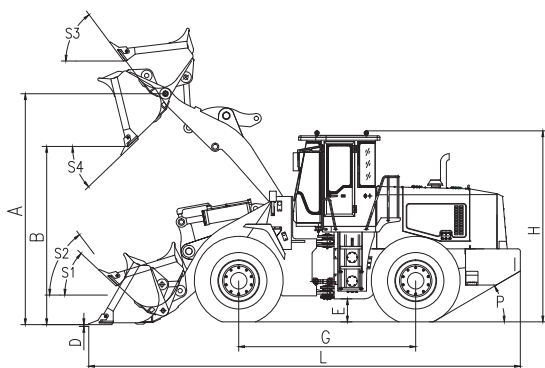
M Steering angle, at any side	35°
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P Departure angle	30°
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R1 Min. turning radius with bucket at transporting position	7,020 mm
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R2 Turning radius, at outside of tire	6,543mm
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## Tire

Proper tires for your machine will become the key competitive edge of excellent performance. Through closely and jointly development and cooperation with well-known supplier which is carefully selected, Jingong could provide the full-series tires specially customized for wheeled loader.

Size	Application	Mode	Dimensions	PR/*	Tube type	Width	Overall diameter	Depth of tread	Loading capacity, 50km/h/10km/h
L2	<ul style="list-style-type: none"> <li>At site with good traction</li> <li>For example, on slope with smooth gradeability</li> <li>Work at soft and muddy site without sharp rocks.</li> <li>In all loading/transporting conditions</li> </ul>		23.5-25	12	TL	595mm	1,615mm	29.5mm	3,650/6,150kg
			23.5-25	16	TL	595mm	1,615mm	29.5mm	6,150/9,500kg
			23.5-25	18	TL	595mm	1,615mm	35mm	6,150/9,500kg
L3	<ul style="list-style-type: none"> <li>Work in sandy conditions</li> <li>In all types of loading/carrying operations</li> <li>Unlike L2, L3 tread is narrow and less self-cleaning effect.</li> </ul>		23.5-25	20	TL	595mm	1,615mm	35mm	7,300/10,900kg
			23.5-25	24	TL	595mm	1,615mm	35mm	8,000/13,200kg
			23.5R25	*	TL	600mm	1,617mm	36mm	7,100/12,150kg
			23.5R25	**	TL	600mm	1,617mm	36mm	9,250/14,500kg
			23.5R25	*	TL	600mm	1,704mm	78mm	12,150kg,10km/h
			23.5R25	**	TL	600mm	1,704mm	78mm	14,500kg,10km/h
L4	<ul style="list-style-type: none"> <li>Invasive material</li> <li>It is needed that the good anti-cut protection.</li> <li>For example: On quarry or mining sites.</li> </ul>		23.5R25	*	TL	600mm	1,704mm	78mm	12,150kg,10km/h
			23.5R25	**	TL	600mm	1,704mm	78mm	14,500kg,10km/h

**Note:** radial tire has its load-bearing capacity represented with stars \*. The more stars means the radial tire has more load-bearing capacity. The special radial tire dimensions listed in table 2 starts (\*\*) means the max. load-bearing capacity of radial tire.

## Parameters of work equipments

Item	Rock bucket	Coal bucket	Jingong Side-unloading bucket	Heavy duty Side-unloading bucket	High-position unloading			Unit
					Regular bucket	Coal bucket	Enlarged bucket	
Bucket capacity	2.7	3.6	2.3	2.4	3	3.6	4.5	m <sup>3</sup>
Rated load	5000	5000	4300	4300	5000	5000	4500	kg
Complete vehicle weight	17500	17400	18500	20300	18000	18200	18600	kg
Unloading height	3220	3050	3000	2900	3520	3390	3300	mm
Unloading distance	1190	1280	1260	1660	1430	1490	1575	mm
Overall length	7765	7900	7930	8430	8320	8500	8515	mm
Min. steering radius (edge of bucket )	7035	7100	7120	7460	7380	7520	7530	mm

The product structures and parameters may alter with the technology updating, without any notice in advance. If sample differs from the actual product, the latter prevails.



# Standard configurations

## Engine

Weichai WD10G220 , Tier 2  
Engine output power 162KW (220hp) , six cylinders, water cooling, four strokes  
Pre-filtration of oil-water separator  
Fuel filter  
Direct-drive fan

## Drive

Jingong ZL50L low-speed type planetary transmission with power gear-shifting  
Startup function, forward two gears, neutral gear and backward one gear  
Transmission oil level detector  
Secondary oil filter, oil bar  
Remote pressure switch for diagnosis

## Drive axle

Feicheng Yunyu 50 Axle  
Air-against-oil brake system  
Auxiliary parking brake

## Hydraulic system

Cable control  
Dual-pump confluence hydraulic system

## Steering system

Full-hydraulic coaxial flow-amplification steering system and steering – prevailing

## Tire

23.5-25 / L3 diagonal tire  
Regular mudguard

## Frame assembly

Spacious intermediate articulation  
Joint bearing  
Articulated locking lever  
Draw bar

## Electrical system

Two headlights, low beam/ high beam  
On the top of cab, there are two headlights.  
Battery, maintenance-free  
24 V power socket  
Electric horn  
Wiper of windshield  
Radio / player with USB port  
Reversing warning lamp

## Instrument

Engine coolant temperature  
Transmission oil temperature  
Fuel level meter  
Timer  
Voltage  
Brake pressure  
Charging of battery  
Steering lamp  
Transmission oil pressure alarm  
High-beam indicator

## Cab

Seat  
Dual-direction adjustable steering column  
Large- arc window  
Rubber cushion  
Two sides of rearview mirror  
Heater  
One cup holder  
Sunvisor

## Others

On-board tools and attachments

# Optional configurations

## Engine

Cold startup device  
Oil-bathed dual-layer air filter

## Transmissions

AT box

## Hydraulic system

Pilot controls

## Axles and tires

Check the front tire specifications  
Tire protective chains

## Cab

Luxury seat

## Electrical system

Single cold type / heating/cooling A/C

## Attachments

Timber - holding type, grass-holding type

## Others

Automatic central lubrication  
Automatic weighing device  
Sub blade

# WIN WITH RELIABILITY



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