

Wheel Loader

JINONG 757KV

Tier 2



Operating Weight: **17,300kg**

Rated Load: **162kW(220hp)**

Bucket Capacity: **3.0m³**

JINONG 晋工

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Wheel Loader

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: 2.7-4.5m³

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

Drive axle

Type	Jingong 50H axle
Swinging angle	±10°

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 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

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
Type of service brake	Air - against - oil
Type of parking brake	Clamp type brake
Type of parking brake	Cable control

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

Cab

Description

Design: Newly designed cab is equipped with high-grade and luxury seats, adjustable steering machine, fingertip operationable shift switch and pilot control. Large space full view cab, dustproof, shock absorption and noise reduction, improving driver's operating comfort and safety;

The air conditioner can blow air from the front and side, defrost the front, and have wipers at the front and rear, and the front wiper has the function of spraying water.

The interior is using of composite materials, standard equipped with sunshade curtain and floor mat, which is beautiful and generous; Cab is used with four-point elastic suspension, absorbing shock in dual way.

The rear hood has a beautiful shape, and both the side door and the rear window can be opened, which is convenient for maintenance.

Three type of power modes: the customers can select three different power modes with "Heavy duty", "Medium duty" and "Light duty" according to the requirements of different working conditions to reach the save oil and reduce consumption.

Noise & Air conditioner

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

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

Performance parameters

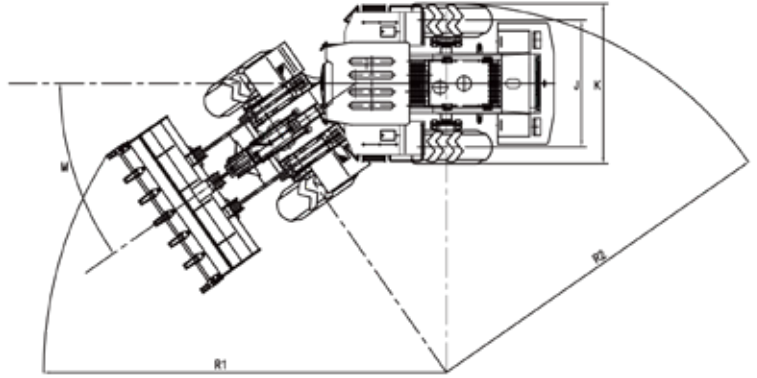
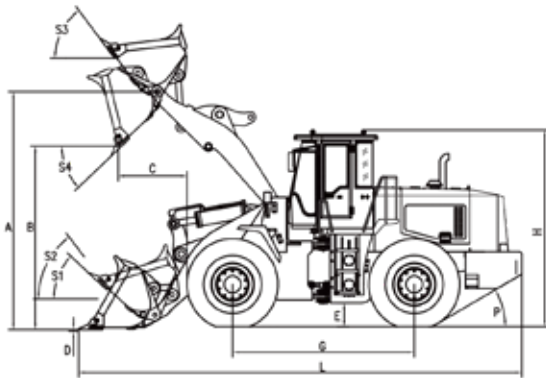
Description

Tilting load is calculated at the condition with bucket capacity at 3.0 m³ and operating weight at 17300kg.

Limit tipping load GB/T10175.1	12,000 kg
Rated operating load GB/T10175.1	10,500 kg
Breakout force	>170 kN
A Pivot height at max. lifting height	4,160 mm
B Unloading height	3,100 mm
C Unloading height at max. lifting height	1,220 mm
D Breakout depth	35 mm
S1 Max. bucket-withdrawing angle on the ground	45°
S2 Max. bucket-withdrawing angle at transporting position	48°
S3 Max. bucket-withdrawing angle at max. lifting height	53°
S4 Unloading angle	45°

Dimensions

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



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"> At site with good traction For example, on slope with smooth gradeability Work at soft and muddy site without sharp rocks. In all loading/transporting conditions 		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
L3	<ul style="list-style-type: none"> Work in sandy conditions In all types of loading/carrying operations Unlike L2, L3 tread is narrow and less self-cleaning effect. 		23.5-25	18	TL	595mm	1,615mm	35mm	6,150/9,500kg
			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
L4	<ul style="list-style-type: none"> Invasive material It is needed that the good anti-cut protection. For example: On quarry or mining sites. 		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 ³
Rated load	5000	5000	4300	4300	5000	5000	4500	kg
Complete vehicle weight	17500	17400	18500	20300	17870	18200	18600	kg
Unloading height	3220	3050	3000	2900	3420	3390	3300	mm
Unloading distance	1190	1280	1260	1660	1440	1490	1575	mm
Overall length	7765	7900	7930	8430	8200	8500	8515	mm
Min. steering radius (edge of bucket)	7035	7100	7120	7460	7050	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 (Mechanical 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 control (Joystick control)

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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