



ZL 50E II

HEAVY-DUTY WHEEL LOADER

ITEM	PARAMETER	UNIT
Rated load	5000	kg
Rated bucket capacity	3	m ³
Dumping height(45°dumping angle)	3110	mm
Dumping distance(45°dumping angle)	1070	mm
Max.breakout force	164	kN
Max.traction force	156	kN
Dimension(L*W*H)	8040×3024×3350	mm
Operating weight	16500	kg
Raise time(full load)	6.2	s
Hydraulic time	10.3	s
Steering angle	±38	°
Min.turning radius(Outside of wheel)	6374	mm
Min.turning radius(Outside of bucket)	6835	mm
Gradeability	30	°
Wheelbase	3370	mm
Wheel tread	2250	mm
Travel speed Forward(I / II gear)	11.5/40	km/h
Travel speed Reverse(I gear)	16	km/h
Engine Model	Weichai WD10G220E21	
Rated power	162kw@2200r/min	
Tire size	23.5-25-16PR	

Standard configuration	Optional configuration	
WeichaiWD10G220E21	3410mm dumping height	Shangchai SC9D220G2
Hangzhou transmission	Wood clamp	Heater/Air-condition
Heater	Grass Clamp	Colour type
3110mm dumping height	Pallet forks	Pilot Operated Control
Cabin with fan	2.5m ³ rock bucket	for Hydraulic System
Push-pull flexible shaft control	3.5-4.0m ³ coal bucket	with Joystick
3.0m ³ bucket	Sinotruk, steyr engine	

- For staying ahead of competitions by constant upgrading of machinery and technology,
- HELI have the rights to update details of specifications and design before inform end users.

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HELI
 LIFTING THE FUTURE

ZL50E II

HEAVY-DUTY WHEEL LOADER

HIGH RELIABILITY

- > Cradle type rear driving axle, with wide swing angle and big support stiffness.
- > Box structure framework of front and rear chassis, resist torsion effectively and increase its durability.
- > All the working device hinge points adopts double side seal, lubrication condition of the internal articulated is better, less wear and tear, extending the service life of the pin shaft and shaft sleeve
- > The hydraulic component are the domestic well-known brand product, with high quality stability, low failure rate
- > Hydraulic system had been filtered for each machine, Greatly improves the cleanliness of hydraulic system, effectively improved the reliability of the hydraulic system
- > Electrophoretic primer processing technology, greatly increasing the rust prevention capacity

CONVENIENT MAINTAINABILITY

- > VARTA maintenance-free battery, reliable quality, long service life
- > Waterproof and anti-corrosion connectors of electric system, accommodate to operating environment with high corrosion and dust
- > Reasonable designed of the piping system, the pipe going smooth, simple maintenance and good reliability
- > From fuel tank rear design and Cast iron balance weight, satisfy maintenance space, Fully guarantee engine maintenance convenience
- > Centralized oil and water drain design, convenient injection method of the lubrication oil, easy for maintenance
- > Convenient maintenance space inside of the engine hood, the door of the hood have insurance absorber shock, more safer for maintenance.

ERGONOMICALLY DESIGN

- > Perfect instrument monitoring system, acousto-optic dual monitor functions, with fuel level and engine speed meter, which can real-time monitor the fuel quantity in the fuel tank and the engine working status

Quality control system

- > HELI have advanced vehicle test ground, in order to confirm the vehicle have the best quality, the truck go through comprehensive experimental
- > Including: Breakout and traction force test, shape "8" running test, ramp test and Strengthen working test. Full testing the responsibility of the transmission and the brake system and the leakproofness of the vehicle, Guarantee the truck with excellent quality.



ABSTRACT

ZL50E-II series loader, Product modified by ZL50E, high configuration, good reliability, high efficiency, good stability, big breakout force, speed fast, strong climbing ability, operation comfort, etc

PERFORMANCE

- > Body System: Tapered roller bearing used in the hinge of front & rear chassis, ensure high reliability. Front and rear body adopts frame structure, good rigidity, suitable for working condition of overloading.
- > Hydraulic System: The high pressure hose all adopt imported brand rubber hose, good reliability, long service life. Coaxial flow amplifying steering system, shift to more smooth, more portable.
- > Painting: Electrophoretic primer processing technology, greatly increasing the rust prevention capacity.
- > Steering System: Long wheelbase (3370mm), large steering angle and steering hinge point is alignment arrangement, increase work efficiency and reduce the degree of tire wear.
- > Cooling System: Optimization design of the machine structure of radiator, under high temperature and high strength condition, the engine water temperature, transmission oil temperature and hydraulic oil temperature is more reasonable, the whole machine use more reliable.

