Earthmoving Machinery

ZOOMLION Hydraulic Excavator

Industry-leading basic parameters

Engine power, digging force, slewing force . traveling force, working scope.

Intelligent and high-end, cost saving

2D and 3D grade guidance/control system.
New electronic control system, automatic fault diagnosis, 7-inch LCD, integrated with the advanced human-machine interaction system.

Reliability improvement

The design service life of working devices and large-section structure≥15000H.
Market-proven reliable power system and hydraulic system.

Emission standards

Euro V emission standard (DPF + SCR) correspondence.
China III/China IV emission standard correspondence.

Higher safety

High rigidity cab, which can better protect the driver.
Large area anti-skid plate. Safety-related electric and electronic system. Rear imaging system.

Energy-saving, high efficiency

With the customized positive flow hydraulic system, the fuel consumption is reduced by 12% and the operation efficiency is improved by 15%.

Wide application range

With rich configurations, it can meet the requirements of different working conditions.

Comfortable and humanized

The operability is improved largely to reduce fatigue.
New cab with wide moving space.
360°all-around operation vision.
Air suspension seats.
USB/bluetooth setting.
Integrated arrangement of control switches, makes the operation easier.

Convenient maintenance, reduced cost

Most of the maintenance points can be maintained from the ground standing station and maintenance parts are distributed in a centralized way, thus shortening the maintenance time.

- **Green and efficient**
  With the customized positive flow hydraulic system, it can realize fine matching of engine-hydraulic system-workload.
  In addition, a variety of working modes can be customized for common working conditions, thus realizing an effective balance of fuel consumption and efficiency, reducing fuel consumption by 12% and improving efficiency by 15%.

- **High reliability and durability**
  The key components such as boom, arm, bucket, support, bucket tooth kit and pivot are upgraded in design, material selection and process.
  In addition, it passes the rigorous fatigue test and more than 3,000 h industrial assessment, thus ensuring the high durability, reliability and value-keeping.

- **Safe and comfortable**
  The newly designed cab conforms to European and American standards, and the operator's safety and comfort are further improved.
  In addition, the key parts such as seats and armrest are designed following the ergonomic concept of the automobile industry, which brings the control experience of the passenger vehicle.

- **Intelligent and humanized**
  With the new electronic control system, a 7-inch display and an advanced graphical human-machine interface, the operation is more efficient and convenient; in addition, with the 2D and 3D slope guidance/control system, it can realize higher engineering quality and lower operation cost.

ZOOMLION Crawler Bulldozer

Efficient operation

Electronic-controlled engine with high power and torque.
Sufficient power reserve.
Hydraulic transmission, large traction.
Larger capacity blade, higher efficiency.

Safe and comfortable

Enclosed hexahedron high-strength cab.
Elbow-type control mechanism, light and comfortable.
Intelligent electronic monitoring system.
Self-check and operation state monitoring alarm.
Color LCD and pointer instrument integrated display interface.

Stable performance

The engine has three-stage intake air filtration, and second-stage fuel filtration to adapt to the harsh working environment with wind sand and dust.
AKG integrated heat radiating module.
It meets 50℃ high temperature environment requirements.
The waterproof, dustproof and corrosion-resistant electrical connectors bring high riliability.
DIN24° taper+O-ring double seal pipe joint.

High working condition adaptability

The working device has multiple configurations.
High strength wear-resistant cutting edge.
Long service life.

Solid and durable

Reinforced frame, undercarriage and shovel pushing frame.
Large-section sectional bar, high strength.
Critical parts are adopted with casting and forging parts.
Heavy-duty configuration of four-roller and one crawler, improving the load-carrying capacity.
Wear resistant, long service life.

Powerful and efficient

Electronic-controlled engine with strong power and torque, sufficient torque reserve.
The advanced hydraulic transmission technology can automatically adapt to load changes as well as bring large traction and high operation efficiency.

High stability and reliability

The hydraulic system is adopted with the pipe joint with DIN24° taper+O-ring double seal structure, thus the reliability is increased by 50%.
The electric system is adopted with waterproof, dustproof and corrosion-resistant electrical connectors, and the reliability is improved by 40%.
The chassis frame, undercarriage and working device are made of high strength wear-resistant steel, thus ensuring high reliability and durability and passing 1,000 h industrial assessment.

Comfortable and convenient

The newly designed steel hexahedron cab is dustproof and noise-reducing, with high sealing performance and wide field of view.
The side elbow-type control mechanism with ergonomic design can be conveniently and comfortably operated.
The new intelligent monitoring system with a 4-inch color LCD can realize self-check, as well as fault self-diagnosis and alarm, etc.

Wide application range

Front optional working devices available include straight-tilt shovel, angle shovel, coal pushing shovel, sanitation shovel, wetland shovel, U-shaped shovel, combined shovel.
Rear optional working devices available include single-tooth ripper, three-tooth ripper, mechanical winch, hydraulic winch, traction frame.
With modular configuration, It can adapt to wetland, desert, cold condition, forest, etc.


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