



RQ500 Crawler Excavator

High Quality, High Efficiency

Operating Weight: 50500kg

Rated Power: 296kW/1800rpm

Bucket Capacity Range: 2.2-2.6m³

Power System

Equipped with original imported Isuzu engine, delivering a rated power of 296kW. It meets China IV emission standards, with sufficient power reserve, strong power output and stable performance.

The optimized control system achieves more reasonable power matching, making fuel combustion more sufficient and economy higher.

It is equipped with exhaust after-treatment device, adopting "DOC+DPF+EGR+VGS" technical route, making exhaust emission cleaner and more eco-friendly. No need for urea/AdBlue addition, which is convenient and economical.



Hydraulic System

Adopts Kawasaki pump and valve configuration, matched with Kawasaki positive flow control system.

Precise matching, faster response speed and better control performance.

Main pump dual-pump convergence, large displacement, reliable structure and stable performance.

Main valve adopts large-bore main spool, with strong circulation capacity and low pressure loss, greatly reducing energy loss, effectively improving operation efficiency and comprehensive performance.



Cab

Adopts skeleton-reinforced mine-grade cab, matched with high-strength tempered glass.

Standard equipped with top and front lower guard nets, effectively improving safety performance, making mining operation safer.

The sealing structure is optimized and upgraded, reducing dust, water ingress and noise in the cab.

Multi-Function Attachments

Mine-reinforced working device, optimized welding process, reinforced local high-stress parts, with strong operation ability with breaker and bucket.

For diverse construction operation requirements, it can be adapted to multi-functional attachments such as breakers and pile drivers, solving mining operation problems, creating more product value and benefits for customers.

Standard equipped with reinforced mine-specific 2.6m³ rock bucket. It adopts high-strength wear-resistant steel material, reducing wear and extending the service life of the bucket.

Optimized bucket shape design makes digging and loading operation easier and more powerful. It can be applied to harsh and severe working conditions such as gravel loading and earth-rock stripping.



Cooling System

Hydraulic oil adopts independent cooling technology, keeping the whole machine temperature stable.

The fan speed is intelligently adjusted according to the oil temperature.

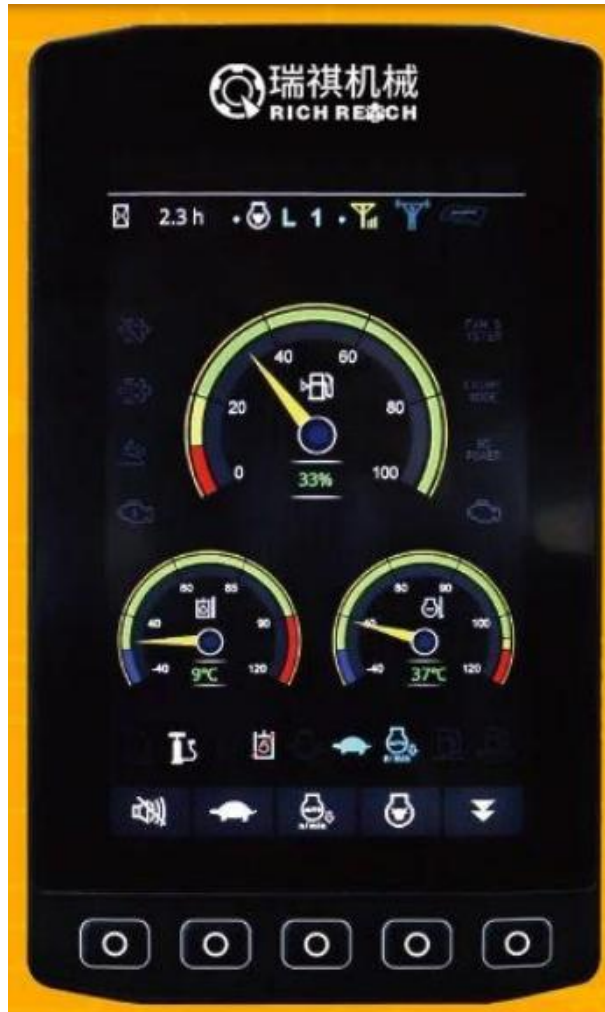
Good heat dissipation effect, low power loss, effectively reducing the noise of the whole machine.

The radiator is equipped with anti-clogging guard net, which is convenient for daily maintenance.

Operation Modes

- **H Mode:** Heavy-duty mode, efficient and powerful, suitable for heavy-load operation.
- **S Mode:** Economy mode, fuel consumption priority, suitable for earthwork operation.
- **L Mode:** Light-duty mode, fine operation, suitable for light-load operation.
- **B Mode:** Breaker-specific mode, targeted for breaking working conditions.

It can be switched freely as needed.



Applicable Scenarios

Mainly applicable to medium and large mining, crushing, large earthwork projects, rock stripping and other heavy-duty complex working conditions.





Detailed Parameters

Item	Unit	Value
Operating Weight	kg	50500
Bucket Capacity	m ³	2.2-2.6
Engine Model	-	Isuzu (Original Imported)
Engine Power	kw/rpm	296/1800
Main Pump Maximum Flow	L/min	2X360
Working Pressure	Mpa	34.3
Hydraulic Oil Tank Capacity	L	480
Maximum Digging Radius	mm	11860
Maximum Digging Depth	mm	7490
Ground Maximum Digging Radius	mm	11480
Tail Swing Radius	mm	3840
Track Gauge	mm	2740
Bucket Maximum Digging Force	kN	287
Arm Maximum Digging Force	kN	210

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