



# RQ75W Wheel Excavator

## Excellent Performance, Road to Excellence

**Operating Weight:** 6550kg

**Rated Power:** 48kW/2200rpm

**Bucket Capacity:** 0.27m<sup>3</sup>

**Rated Load:** 500kg

### High-Efficiency Power

YS75W adopts the new China IV engine, equipped with high-pressure common-rail injection system, delivering strong power output and responsive throttle response.

Based on the previous generation, we have carefully optimized the friction pairs of piston, piston ring and cylinder liner, reducing oil consumption and being more eco-friendly.

Further optimized crankshaft and connecting rod, reducing rotational inertia, achieving large torque and high fuel efficiency. Compared with the previous generation, while being durable, it achieves 15% fuel saving.

Optional power assembly: Yuchai 48kW / 36.8kW; Yunnei 48kW.

### DPF Diesel Particulate Filter

Equipped with DPF (Diesel Particulate Filter), installed in the exhaust system of 48kW power, reducing the particulate matter (PM) in the exhaust through filtration, which is more eco-friendly. It meets China IV emission regulations.

### Combined Cooling System

Large heat dissipation area, high heat exchange efficiency. It meets the heat dissipation requirements of engine and hydraulic system under various working conditions. The suction-type heat dissipation further reduces wind noise.

### Hydraulic System

Load-sensing hydraulic system, which can precisely control the hydraulic power ratio according to the vehicle load, with precise and smooth movement.

Optimized variable displacement piston pump, greatly reducing power loss, further saving fuel and improving operation efficiency by 20%.

### Drivetrain

Enhanced transmission, with newly matched and optimized gear ratio, better adapting to the complex working conditions of wheel excavator, flexible and faster.

Reinforced central differential, reducing the friction resistance of internal bearings and gears, higher transmission efficiency, further improving fuel economy.

Large-tonnage front and rear axles, high-strength integrated axle housing, stronger bearing capacity. Reinforced internal gears, can withstand larger torque, fearless of tough road conditions.



## Convenient Maintenance

The body covers can be opened in a large area. The valve group, fuse control box, air filter, oil-water separator, etc. are arranged in the right front and left rear hoods, making daily maintenance one-step.

Enlarged the opening of the engine hood, with large internal operation space, convenient for maintenance work.

## Luxury Cab

Newly upgraded cab. Larger size porthole with low waistline design, giving the driver an excellent all-round vision.

Dual-rail adjustable ergonomic seat adapts to various body types, no fatigue after long-time sitting, and optional luxury configurations such as "seat ventilation / heating".

The cabin buttons are well arranged, convenient for control and switching, thus achieving efficient operation.

New generation Bluetooth multimedia system, with dual-channel high-fidelity speakers, no boredom even during long-time operation.

Full-color smart dashboard upgraded again, high-definition large screen display is more intuitive, you can master the whole machine's working condition at any time.

New layout of air conditioning air outlet position, enlarged air ball further improving the cooling / heating effect. Added front windshield defrosting air duct.



## Reliability

1. **Boom & Arm:** Reinforced working device, using high-quality plates to further optimize the internal structure. The improvement of robotic welding process and the use of formed arm greatly improve the reliability of the excavator working arm during the whole life cycle.
2. **Platform:** D-type platform design, higher body rigidity, large torsional strength. The frame is the carrier of all parts, excellent structural design and good welding technology lay a solid foundation for the performance and reliability of the whole machine.
3. **Chassis:** The chassis optimized for harsh working conditions can better ensure the stability and safety during operation and walking. The integrated mudguard is more sturdy.
4. **Counterweight:** Thick plate stretching, integrated counterweight block effectively prevents collision. The low center of gravity structure makes the whole vehicle operation more stable.
5. **Hydraulic Cylinders:** High-pressure cylinders developed specifically for excavators. Excellent cylinder and piston rod material selection, and exquisite welding processing technology achieve high strength of the cylinder. High-quality seals are selected to prevent oil leakage and internal leakage. The piston rod is based on high-frequency quenching, and further improves the anti-rust and wear resistance by plating nickel hard chromium.

## Humanized Design

- Thoughtful design, equipped with large-capacity hand-washing water tank, meeting the driver's basic cleaning requirements.
- Equipped with external toolbox, thick plate forming, sturdy and durable. Large capacity, can place various tools.
- Windshield wiper water spray function, ensuring the driver has a clear driving vision under all weather conditions.
- External hydraulic oil temperature observation hole, more intuitive to observe the oil temperature, master the whole machine's working condition at any time.
- Equipped with high-position LED work lights and cab top warning light, making driving and operation safer. Reinforced boom work light protection cover, and embedded LED combination headlights, effectively preventing accidental bumps during operation, reducing the risk of accidental damage to the lamps.

## Optional Attachments

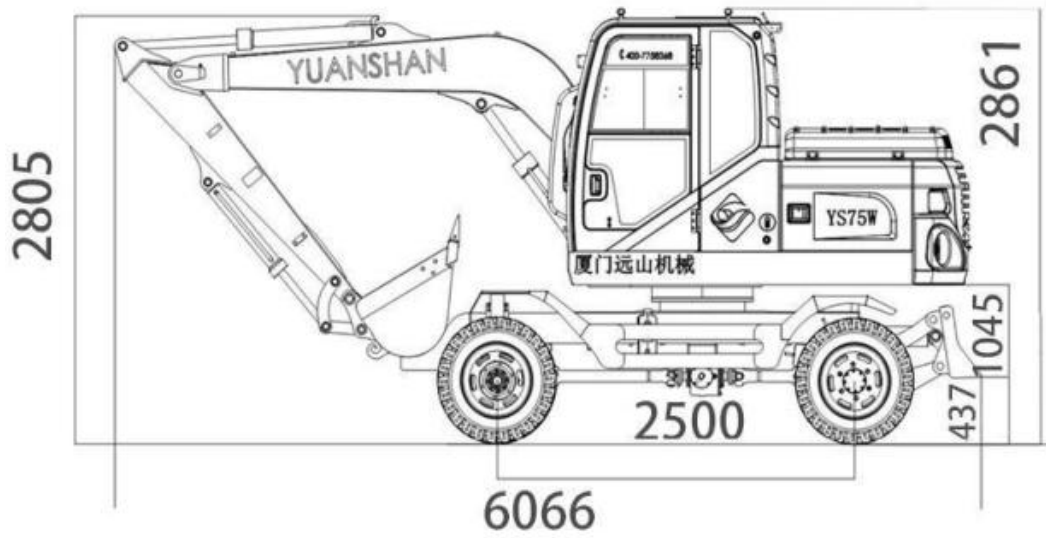
More attachments are optional...

## Working Range

Item	Value
Boom Length	3400mm
Arm Length	1900mm
Maximum Digging Reach	6498mm
Maximum Digging Depth	3344mm
Maximum Digging Height	6766mm
Maximum Dumping Height	4986mm
Minimum Tail Swing Radius	1863mm
Overall Width	2050mm
Overall Height	2861mm
Wheel Base	2500mm
Distance from Arm Edge to Swing Center	4203mm
Overall Transport Length	6066mm
Minimum Ground Clearance	240mm
Dozer Blade Height (Optional)	460mm
Dozer Blade Rising / Lowering Distance	437 / 80mm

## Technical Performance Parameters

Item	Value
Engine Power	48kW/2200rpm
Operating Weight	6550kg
Rated Load	500kg
Bucket Capacity	0.27m <sup>3</sup>
Hydraulic Working Pressure	25Mpa
Maximum Digging Force	48kN
Gradeability	59% (30°)
Travel Speed	30km/h
Maximum Traction Force	65kN
Platform Swing Speed	10.5rpm
Fuel Tank Capacity	145L
Hydraulic Tank Capacity	100L



### Note

With the progress of technology, the structure, performance and parameters of the product will be improved accordingly, subject to change without notice.

Product Manager: Frida:+86 19355385977 Amy:+86 18297527921