



RIPPA GROUP **R15 ECO**



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- ✓ **Ultra compact dimensions**
- ✓ **Superb operator protection**
- ✓ **Minimal tail swing**

everything you need to
get the job done.



There's a lot to like about RIPPAs new ultra-compact excavators. They're so compact you can easily work safely in tight spots. They also have an improved control layout*, and upgraded comfort features to keep you working efficiently and comfortably. Best of all, you can depend on these RIPPAs ultra-compact excavators to get the job done with speed and efficiency.

SIDE LEVER LAYOUT

The control levers of the **R15 ECO** are positioned to the sides of the seat for a better, more relaxed operator working posture and excellent forward visibility.



RIPPA ULTRA-COMPACT EXCAVATORS

Engine gross horsepower (D722): 13.97 HP (10.2kW)

Maximum digging force : 10.4 KN

Operating weight**: 1500 kg



Performance / Safety

From an adjustable track gauge and two-speed travel pedal to Engine Safety Start and a new boom-mounted LED work light, this ultra-compact excavator is designed for maximum performance and safety.



1 Adjustable Track Gauge

With easy, single-lever operation, the R15 ECO hydraulically adjustable track gauge reduces in seconds-down to 890mm-to enable navigation in narrow spaces.

Converse-ly, you can widen the track gauge all the way out to 1190mm.

With the simple removal of one pin, its quick-fold blade adjusts in size instantly. When adjusted down, these ultra-compact excavators can easily fit through most doorways, permitting access inside of buildings.

2 Digging Range

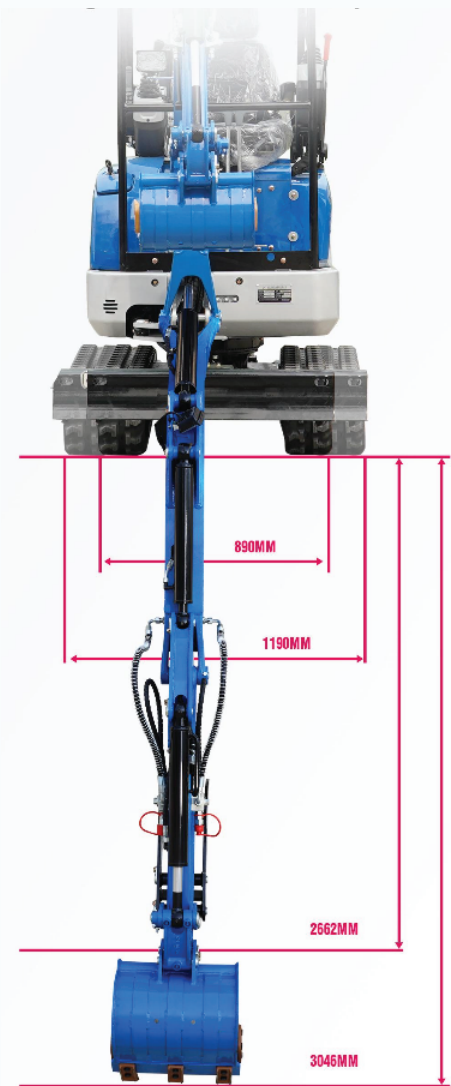
The rippa ultra-compact excavators excel at digging, with surprisingly wide working and digging ranges for such compact excavators.



3 Boom Cylinder Protection Design

Notice the clean, hose-free look of the R15 eco boom.

That is because all of their hydraulic hoses are uniquely hidden and protected inside the boom. In addition, the boom cylinder is well protected due to its location at the top of the boom.



6 Dual-Purpose Travel Lever

This lever allows you to use your hands and feet at the same time, so you can work at your own pace. Simply step on the pedal or push with your hands to move, turn, etc.



7 Safety lock

The unload lever enhances work safety by preventing unintended operation of the front attachment, dozer, AUX, swiveling, or traveling when the machine is in locked position.

8 New LED Boom Work Light

Bright LED boom work light provides plenty of illumination for nighttime tasks.



5 Removable cab roof

The removable cab roof and removable protective structure are standard. With the cab removed, you can easily transport the ultra-compact excavator on a truck and enter the interior under the doorway to work.



4 New cast drive wheel

The new casting drive wheel, the hemispherical structure disperses the stress concentration, and has a longer service life.





4 Pilot operation on both sides

Adjustable seat, ergonomically designed to support the operator's back, waist and neck, reducing fatigue caused by long-term operation.

1 Dash board

The right armrest box is equipped with a vehicle instrument - an integrated multi-function instrument, which can display various parameters such as speed, oil volume, oil pressure, voltage, and water temperature alarm. It is convenient to observe the status of the whole vehicle, and can maintain and manage the condition of the whole vehicle in time.

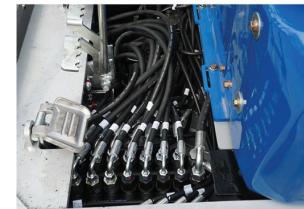


2 Comfortable seats

Adjustable seat, ergonomically designed to support the operator's back, waist and neck, reducing fatigue caused by long-term operation.

3 Cast boom bracket

The cast boom bracket is adopted, the structure is smooth and thick, and it is integrally formed with beautiful appearance and durability.



5 Openable pedal

The pedal can be opened. Below the pedal is a pilot multi-way valve. The multi-way valve oil pipeline is arranged in a standard way, which is convenient for maintenance.

The feature of **R15 ECO**

SERVICE

The rear opening hood provides easy access to the engine, and maintenance is simple with the hydraulic service port plumbing conveniently located and protected.

ENGINE COVER

The rear-opening operator seat on the hood can be flipped up to reveal a large portion of the engine, allowing easier access to components.



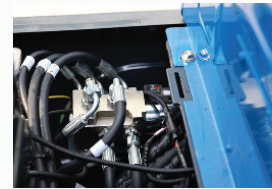
EQUIPMENT WARNING LIGHTS

Prompt failure: When the excavator fails or has an abnormal condition, the alarm light will light up to prompt the operator to check the equipment immediately, such as hydraulic system, engine failure, abnormal oil pressure, etc.

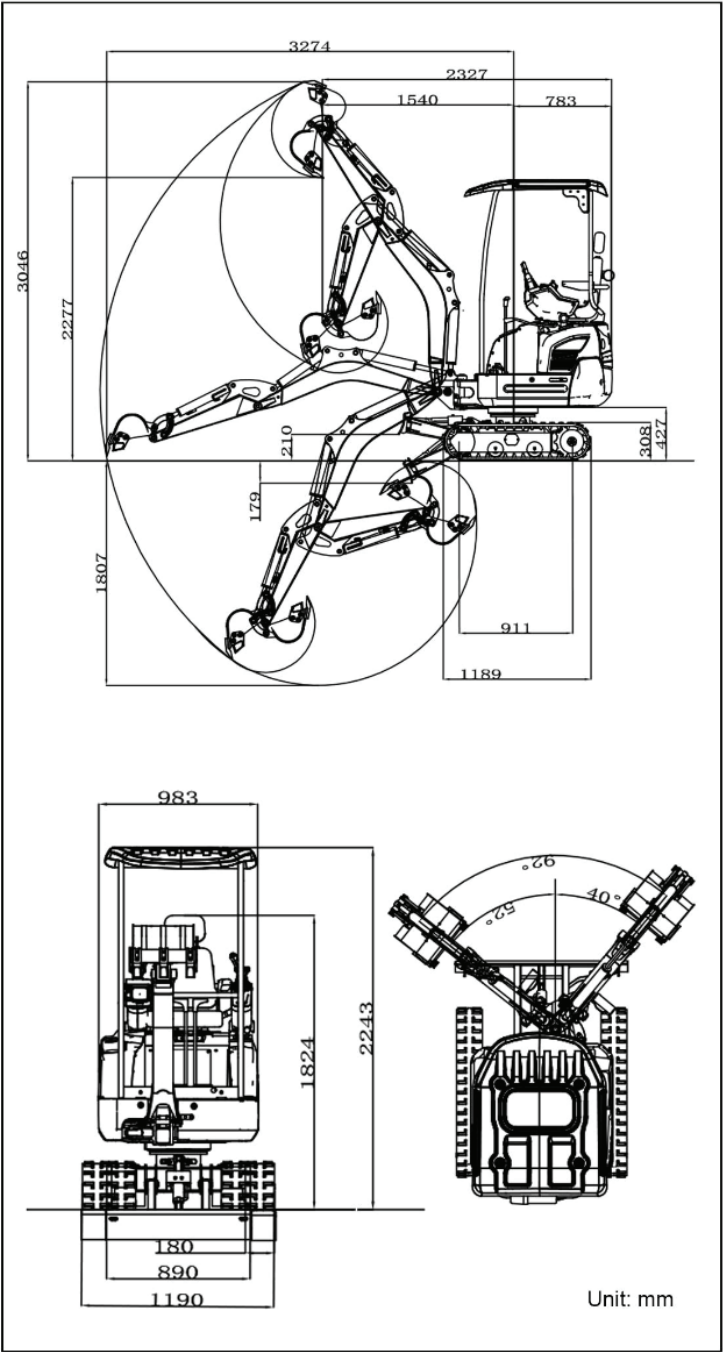


OIL CIRCUIT MAINTENANCE

A manually openable cover is specially set at the foot pedal, so that when checking the oil circuit and the line, it will be handy and efficient, which provides great convenience for subsequent maintenance and inspection work.



■ SCOPE OF WORK



■ SPECIFICATION

| Model | | R15 ECO |
|------------------|-------------------------------------|--------------|
| Basic parameters | Machine working weight (kg) | 1500 |
| | Bucket capacity (m³) | 0.018 |
| | Travel speed low/high speed (Km/h) | 0-1.5 |
| | Gradeability (%) | 30% |
| | Ground pressure (Kpa) | 31.4 |
| | Maximum digging force (kN) | 10.4 |
| | Maximum digging radius (mm) | 3274 |
| | Maximum digging depth (mm) | 1807 |
| | Maximum digging height (mm) | 3046 |
| | Maximum unloading height (mm) | 2277 |
| | Maximum deflection angle (°) | 92 |
| | Track extension range (mm) | 890-1190 |
| Engine | Engine brand | Kubota |
| | Engine model | D722 |
| | Maximum horsepower (ps) | 13.97 |
| | Maximum power (Kw) | 10.2 |
| | Maximum speed (rpm) | 2500 |
| | Displacement (L) | 0.719 |
| | Number of cylinders | 3 |
| | Cooling method | Water-cooled |
| | Engine oil change amount (L) | 3.5 |
| | Fuel form | DIESEL |
| | Fuel grade | 0/-10 |
| | Theoretical fuel consumption (L/h) | 1.1-1.5 |
| Body | Transport length (mm) | 2327 |
| | Transport width (mm) | 983 |
| | Transport height (mm) | 2243 |
| | Counterweight ground clearance (mm) | 427 |
| | Bucket width (mm) | 400 |
| | Boom length (mm) | 1477 |
| | Arm length (mm) | 800 |
| | Bulldozer blade width (mm) | 1024 |

■ **HYDRAULIC SYSTEM**

| | | | |
|--------------------------------|-----------------------------|------------------------------|----------------------|
| Main pump type/model | Gear pump/308-303 | Maximum set pressure (Mpa) | 20MPa |
| Main pump brand | Tianjin Walking/Shengjie | Travel hydraulic motor type | BM6-315 |
| Main pump maximum flow (L/min) | 21.6L/min | Travel motor brand | Paiyi/Zhenjiang Dali |
| Multi-way valve | 9-way pilot multi-way valve | Motor displacement | 315 |
| Multi-way valve brand | Tengfei/Shengjie | Slewing hydraulic motor type | BM2-315 |
| Rated set pressure (Mpa) | 18MPa | Displacement | 315 |

PLEASE READ THE INSTRUCTION MANUAL CAREFULLY AND USE THE MACHINE CORRECTLY.

- Always wear a seat belt when working. (ROPS specifications only)
- If you are operating construction machinery with a machine mass of less than 3 tons, you must take the "Special Training for Vehicle-Mounted Construction Machinery Operation" course beforehand. If the machine mass is 3 tons or more, you must take the "Vehicle-Mounted Construction Machinery Operation Skills Course".
- To prevent breakdowns and accidents, be sure to inspect the machinery regularly.
- Specific voluntary inspections are required to be carried out by an inspection company registered with the Minister of Health, Labor and Welfare or the Director-General of the Labor Standards Inspection Bureau.

WE ARE RIPPA

Shandong Rippa Machinery Group Co., Ltd. is located in the Sixth Industrial Park, Jining high tech Zone, Shandong Province. It is a state-level high-tech enterprise with the right to import and export;

The company's staff are vigorous and enterprising, and constantly create the legend and glory of the school!



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Specifications of individual RIPPA equipment will vary based on normal variations in design, manufacturing, operating conditions and other factors.
Some pictures of RIPPA equipment are not limited to standard packages.

