



Red Rhino 5000 series

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Technical Specifications:

- Crusher:** single toggle jaw crusher, 14% manganese steel jaws
- Engine:** Deutz 37hp water cooled diesel
- Fuel Consumption:** approx. 3-4 litres per hour
- Chassis:** hydraulic rubber tracks (umbilical cord tracking)
- Output:** see overleaf
- Jaw Aperture:** 500mm x 250mm
- Fuel capacity:** 20 litres
- Output size:** Hydraulic adjustment, choice of 10mm – 100mm
- Control system:** umbilical cord tracking and manual hydraulic levers
- Unique:** hydraulic reversible jaw action, reversible jaw plates can crush a full UK kerbstone in under 30 seconds.

Dimensions:

- Length:** 4400mm
- Width:** 1660mm
- Total Height:** 1950mm
- Loading height:** 1950mm
- Weight:** 2940kg (subject to specification)

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Unique features of the 5000 series Red Rhino crusher



Description: Single toggle jaw crusher with jaw aperture of 500mm x 250mm – will crush a full UK kerbstone in approximately 30 seconds. The 5000 series is 1660mm wide and can enter sites where access and space are restricted. Hydraulically adjustable jaws allow for the adjustment of output product size, ranging from a choice of 10mm up to 100mm.

Material: The 5000 series will crush concrete, kerbstone, marble, paving slabs, bricks, tiles, blocks, stone, porcelain, flint, gravestones, etc

Output: Output will vary according to jaw setting, loading method, loading equipment, input material, and familiarity of the loading operator. In excess of 15t per hour has been achieved.

Jaws: Hydraulic adjustment lever allows for the quick release of material and adjustment of product size. A hydraulic jaw 'reverse' is also provided. A hydraulic pressure relief valve and further safety features are fitted as standard. Jaw plates are made of 14% manganese steel which will 'work-harden'. The jaws are reversible (2 'lives').

Reinforced concrete & steel: For steel and reinforced concrete it is recommended that you protect your conveyor belt and crush this material having removed the conveyor belt. Removal of the output conveyor system is quick and easy.

Engine: The engine is a Deutz 37hp water-cooled diesel set at 2,600rpm, but capable of 3000rpm – the engine is therefore overpowered for its purpose. The engine is economical using red or white diesel. The fuel tank capacity is 20 litres, with fuel consumption of approximately 3-4 litres per hour.

Tracks & Controls: Tracks are rubber and controlled by an umbilical cord for safe loading, unloading and tracking. Controls are simple and clearly labeled. A hydraulic oil cooler is fitted to ensure longer life of hydraulic equipment for hotter climates.

Conveyor & Dust Suppression: Dust suppression is fitted as standard and is by means of fine water spray nozzles, utilizing standard domestic hose pressure. The output conveyor is simple in design with a moulded belt providing strength and durability. The conveyor system can be removed quickly.

Loading: Maximum productivity is achieved by correct loading of the crusher. This is a steady feeding of the hopper, ensuring that the jaw or hopper is not over-loaded, using a maximum 3t mini excavator and maximum 18 inch bucket. Optimum tonnage per hour is achieved by positioning the excavator directly in-line with the rear of the machine, and that the excavator operator has a clear line of sight with the jaws.

Conveyor Mounted Screener Attachment (optional): An option conveyor mounted screener is available for the separation of dust and topsoil from the crushing process. Supplied with a 10mm mesh, the screener can also assist with the creation of decorative aggregates.

Safety & Maintenance: There are two emergency cut-out switches located to either side of the machine, and the front inspection panel is fitted with an emergency cut-out switch. The engine cover is lockable and an optional engine immobilizer is available. A central external greasing point is fitted as standard for the greasing of the flywheels. Service intervals are at 250 hours.

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