



RC1220-100



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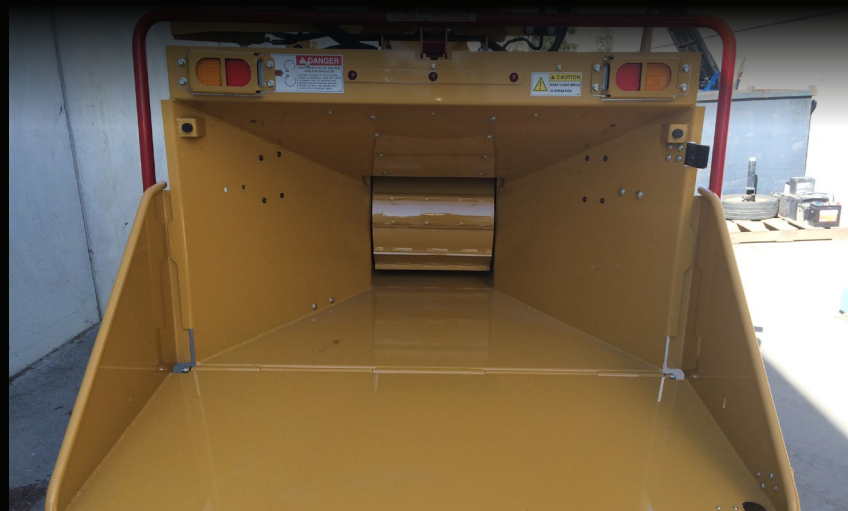
RC1220-100 INTRODUCTION

Product Overview:

The RC1220 wood chipper delivers power and productivity the professional user demands. This high-performance 12-inch (30.48 cm) capacity wood chipper is powered by a Kubota diesel engine in 99hp. Standard features include RAYCO's Versa-Feed infeed control to optimise chipping performance and X-Charge discharge system which injects high velocity air to maximise discharge velocity. A large, 12-inch high (30.48 cm) by 20-inch wide (50.8 cm) infeed opening is 3-inches (7.62 cm) wider than most competitors, allowing the chipper to handle forked material easier. The feed wheel measures 20-inches (50.8 cm) in diameter, making it easier to climb over most logs without need to manually raise the feed wheel. Infeed power is supplied by a planetary feed wheel motor which achieves tremendous torque for pulling in stubborn material and requires very little maintenance. The RC1220 utilises Rayco's exclusive Touch and Go downpressure system. Touch and Go maintains continuous downpressure for 30 seconds with one pull of the downpressure lever, eliminating the need for an operator to hold the lever continuously to apply downpressure. All these features packed on a rugged 2 (5.08 cm) x 6-inch (15.24 cm) box tube frame make the RC1220 chipper a high-performance chipper built for your challenging job conditions.

General Specifications - RC1220-100

Weight	2,549 kg
Length Feed Table Up	406.4 cm
Length Feed Table Down	479.4 cm
Width	198.76 cm
Maximum Height	267.653 cm
Ground Clearance	35.6cm minimum
Engine	99.2 hp Kubota
Fuel Used	Diesel
Chipping Capacity	30.5 cm
In-Feed Opening	30.5 cm x 50.8 cm
Powder Coat	"Cat" Yellow



Features Overview:

- Reliable 99hp Kubota Diesel Engine
- 30.5 cm (H) x 25.4 cm (W) Throat Opening
- Planetary Feed Wheel Drive Motor
- 25.4 cm Diameter Feed Wheel
- Hydraulic Lift and Crush
- Touch and Go Downpressure System
- X-Charge Discharge System
- 3,175 kgs Capacity Torflex Axle
- 5.08 cm x 15.24 cm Box Tube Frame
- VersaFeed Automatic Feed Control
- Winch-Ready

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ENGINE



Model: Kubota V3800DI-T

Number of cylinders: 4

Bore: 3.94" (100mm)

Stroke: 4.72" (120mm)

Displacement: 230 Cu. in. (3,769cc)

Maximum no-load speed: 2,600 RPM

Gross power: 99.2 HP (73.97kw)

Maximum rated torque @ 2,600 RPM: 240ft lbs. (325nm)

Cooling: Liquid

Air cleaner: Dry Type with pre cleaner

Oil filter: Spin-on Type

Engine Slope Rating: 35° intermittent / 20° continuous

Puller Type Cooling Fan

External Exhaust: Iso-mounted Muffler with Rain Cap

Removable Front & Rear Engine Access Panel

Rubber isolated mounted (4)



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CHASSIS / SUSPENSION



- **Suspension:** Rubber Mounted Torsion Type
- **Frame:** 2" x 6" x 3/16" (51 x 152 x 5mm) wall Structural Tubing
- **Tyres:** LT 29.3 x 8.9/16 (225/75/160)
- **Tongue (Coupling):** 3"x 5" (76 x 127mm) Structural Tube Extendable
- **Axle:** 3,175 kg Torsion Type
- Electric Brake System
- Electric Break-Away
- Pintle Hitch (forged Lunette eye ring)
- Jack Stand (2,268kg) Screw type
- Fenders Integrated Bolt on



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CLUTCH ENGAGEMENT



- Chipper Engagement is manual and self-adjusting, minimising clutch damage from slippage. Chipper engagement features an automatic lock out that prevents clutch engagement in the event of the feed wheel being activated or drum interference.
- Manual-Automotive style clutch
- Automatic Lock-Out Neutral Safety



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DISCHARGE SYSTEM



- Discharge chute Height: 99.75" (253.4cm)
- Discharge Chute Rotation: 360 degrees fully hydraulic
- With / position lock



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INFEED SYSTEM

- The wood chipper feed system is a single feed roller with two dual cylinders providing hydraulic down pressure in addition to gravity pressure. The wood chipper features a minimum 12" X 20" opening. The feed system has at least 100 feet per minute rate. The feed wheel is able to provide 800 to 1200 pounds of down pressure selectable by a manual lever. The 1200 is momentary for approximately 30 seconds. The feed roller is driven by an integrated piston motor and planetary drive that mounts directly to the feed roller.

- 12" (30.5cm) Chipping Capacity
- Infeed Opening: 12" x 20" (30.5x50.8cm) minimum
- Infeed Table Edge to Roller Distance: 61.5" (156cm)
- Infeed Table Edge to Knife Distance: 83.4" (211.8cm)
- Feed Roller Style 1-Horizontal 20" (50.8cm) Diameter
- Feed Rate: 100 ft per min (30.5 metre per min)
- Manual Lift Assist Located on Both Sides of Feed Table
- Feed Roller Lock Bar Engaging Both Sides of Roller
- Planetary Hydraulic Driven Feed Roller Motor



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WARNING LIGHTS

- Feed Roller Engagement Indicator Light (forward/reverse)
- Clutch Engagement Indicator Light
- Air Filter Restriction Warning Light
- Low Engine Oil Pressure Warning light
- High Engine Temperature Warning Light
- Alternator Warning Light



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ELECTRIC SYSTEM



- Auto Feed System Microprocessor Controlled
- Auto Feed to be Auto-Reversing
- 55 Amp Alternator
- Electronic Neutral Safety Start System on Infeed Control Bar
- LED Lamps with Guards on Rear of Chipper
- 12-Volt Electrical System (24-volt light kit available)



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HYDRAULIC SYSTEM



- Live Hydraulics
- Hydraulic Pressure: 3,300 PSI (227.5 bar)
- Hydraulic Pump Flow: 6GPM (22.7LPM)
- Feed Roller Lift Cylinders: 1.5" dia. (3.8cm)
- Hydraulic Filter in tank
- Hydraulic filter 10 Microns
- Oil Type: Tellus T46



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CAPACITIES

- Fuel Tank: 109.7 litres minimum
- Run Time on Fuel Tank: 9 hours minimum
- Hydraulic Tank: 22.7 litres minimum



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CUTTING SYSTEM



- Drum: 21" x 19.75" (53 x 50cm) Wide Minimum
- Cutter Drum Speed: 2000 RPM Maximum
- Chipper Knife: 1.59 x 13.97 x 25.4 cm Double Edged
- Chipper Bearings: 55.56 mm
- 2-Separate Knife Pockets
- Blower Fan
- 4-Side Grade A8 Steel Bed Knife, (5 x 5 x 61cm)
- Rotor Safety Lock Pin
- Bolted Rotor Housing Inspection Door



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SAFETY

- Feed Roller Must be in Neutral Position in order to Start Engine
- DOT Approved Reflective Tape (MOT compliant, where applicable)



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OPTIONS

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- Hydraulic Winch Package:
 - 5/16" synthetic fibre rope, minimum 100 feet of length to be provided
 - Rated for 3500 lb. line pull, minimum
 - Winch will be driven by a 14.95 cubic inch displacement motor, minimum
 - Wrecker style fair lead for side pull is to be provided
 - Winch controls and hydraulic system must allow for simultaneous operation of feed system forward and reverse, lift and down pressure and winch drum/line take up and pay out.
 - Hydraulic Surge Brakes
 - 60" extended tongue (152.5cm coupling)
 - Hitch 2-5/16" (5.87cm) Bulldog Coupler Adjustable Height
 - Infeed curtain
 - Bump bar
 - Valve cover
 - Adjustable discharge chute
 - Remote Clutch
 - Spare tyre
-

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