



C100R FORESTRY MOWER



☎ 1300 072 926

www.rayco-australia.com

www.globalmachinerysales.com.au

VIC 24-28 Williams Road Dandenong Sth. 3175 NSW Unit 49-50 Cassola Pl Penrith SW 2750
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C100R INTRODUCTION

Product Overview:

Rayco's C100R Forestry Mulcher is the answer if you're looking for a purpose-built mulcher but need the versatility of rubber tracks. Our customers demanded a mulcher that was capable of crossing roadways and sensitive turf but still had the power and in-bush characteristics of a dedicated forestry machine. The C100R answers that call. It rides on a 17.7-inch (45cm) wide steel-embedded rubber track. A reliable, 99hp Kubota diesel engine supplies power, while Rayco's exclusive Super Flow, closed loop hydrostatic system delivers mulching power not found in ordinary Compact Track Loaders. Purpose built for mulching, the C100R features a heavy duty rear door, hydraulic winch, and Rayco's exclusive elevated cooling design, which places engine radiators in both the rear of the engine compartment and in the limbriser for maximum cooling performance in the harshest climates.

General Specifications - C100R

Operating Height	103.7" (263.4cm)
Ground Clearance	19.2" (48.8cm)
Length Carrier only	129.1" (327.9cm)
Length with Winch	143.2" (363.7cm)
Length with Winch and Mulcher	184.5" (468.6cm)
Width	77.4" (196.6cm)
Weight Carrier only	11,910lbs (5,402.3kg)
Weight with Winch	12,410lbs (5629kg)
Weight with Winch and Mulcher	14,760lbs (6,695kg)
Max Mowing Height	118.6in (301.3cm)
Max Height of Attachment Hinge Point	93.7" (238cm)
Tip Load 35%	4,100lbs (1,859.7kgs)
Tip Load 50%	6,900lbs (3,129.8kgs)
Finish	Yellow and Black Powder Coat
Travel speed - High Range/Low Range	9.5kph/5.8kph
Standard Skid Steer (SAE style) Attachment Plate	



Features Overview:

- Purpose built forestry mower/mulcher
- 99 hp Kubota turbo diesel engine
- Super flow, closed loop hydrostatic cutter head drive
- Rayco-exclusive elevated cooling design
- 17.7-inch (45cm) rubber tracks
- 2-speed travel
- Easily removable debris screens to protect coolers
- Hydraulic rear winch
- ROPS/FOPS/OPS certified cab with heat and A/C
- Rayco-exclusive forestry door with 1.25-inch (3.2cm) lexan
- Escape hatches in rooftop and rear window
- Predator mulcher head with variable displacement hydraulic motor
- Optional Back-Up Camera

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ENGINE

Model: : Kubota V3800DI-T-E3B, Tier 3/Stage IIIA,
Vertical 4-cycle, Turbocharged, liquid Cooled diesel

Number of cylinders: 4

Bore: 3.94" (10cm)

Stroke: 4.72 (12cm)

Displacement: 230 cu. in

Maximum no load RPM: 2600

Gross HP at maximum no load RPM: 99.2HP

Maximum rated torque: 240ft lbs @1600 RPM

Cooling medium: liquid cooled

Air Cleaner: Dry type with Pre-Cleaner

Oil Filter: Spin-on type

Fuel Tank Capacity: 40 gallons (151L)

Electrical System: 12 volts/55 AMP Alternator

Valves: Overhead Displacement



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TRACTOR DESIGN



- Lockable Engine Compartment
- Swing-out Engine Doors
- Removable Floor Plan
- Easy-Fill Hydraulic and Fuel Tanks
- Interior Tool Boxes
- Large Front Step

- Grab Handles
- (2) Recessed Rear LED Lights
- Backup Alarm
- Hydraulic Winch: Rear Mounted, 12000lbs (5,443kg) Capacity
- SAE Attachment Plate



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UNDERCARRIAGE

- Suspension, Rigid Type
- Track Roller Frame, High Strength Steel
- Rollers and Idlers, Lifetime Lubrication
- Drive Sprocket, 23 Tooth
- Track Rollers: 6 each side
- Track: Rubber, 450mm (17.72") x 86 x 63
- Ground Pressure Carrier only: 4.24psi (29.2kPa)
- Ground Pressure w/ Winch: 4.41psi (30.4kPa)
- Ground Pressure w/Winch and Mulcher: 5.25psi (36.2kPa)



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CAB

- ROPS, FOPS and OPS Certified
- Cam Lock Rear Window
- Pilot Operated Joystick Controls
- Suspension Seat
- Sliding Vent Windows, sides
- **Climate Control:** Heat & AC
- **Forestry Door:** 1-1/4" Thick Lexan with Steel Mesh Guards
- **Safety:** Three Escape Exits, Door, Roof, Rear Window
- Windshield Wiper w/1 .2L Reservoir and 20" Single Blade
- Fire Extinguisher, 2.5lb
- Side Slope Inclinator
- **Lighting:** (3) Protected LED Forward Lighting



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GAUGES

- Engine Oil Pressure
- Fuel
- Hydraulic Oil Temperature
- Engine Oil Temperature
- Tachometre
- Voltmetre
- Hour Metre



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SAFETY SHUTDOWNS

- Engine Temperature
- Hydraulic Oil Level
- Hydraulic Temperature
- Engine Pressure
- Low Coolant Level



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WARNING LIGHTS

- Engine Coolant Temperature
- Engine Oil pressure
- Alternator
- Intake Air Cleaner
- Hydraulic Oil Filter
- Hydraulic Oil Level
- Hydraulic Oil Temperature
- Low Coolant Level
- Seat Belt 3" Width



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HYDRAULIC SYSTEM

- Closed Loop
- O-ring Face Seal, Hose and Fittings
- High Pressure In-line Hydraulic Oil Filter
- Hydraulic Pressure: 3400PSI
- Hydraulic Pump Flow: 19GPM
- Lift Cylinders: 2-3/4" Diametre

- Roll Cylinder: 3" Diametre
- Hydraulic Reservoir: 24 Gallons
- Rear Auxiliary Hydraulics: 19GPM, 3400PSI
- High Flow Hydrostatic: 39GPM, 5500PSI
- Oil Type: Megaflow™ AW HVI Hydraulic Oil 46



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COOLING SYSTEM

- Reversing Fan on Hydraulic Cooler
- Easy Remove Pre-Screen
- Primary Engine Radiator Core in Limb Riser
- Muffler Located Outside of Engine Compartment
- Hinged Rear Access, with Louvered Air Intake
- Swing-out Winch
- Closed, hinged, Top Cover over Hydraulic Cooler
- Single A/C Condenser
- Engine Sucker Fan



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FM100-6R MOWER HEAD

- Rotor Diameter: 16.75" (42.55cm)
- Rotor Speed: 2200RPM
- Finish: Yellow and Black Powder Coat Paint
- Drive Belt: Gates Polychain® GT
- Overall Width: 83in (211cm)
- Cutting Width: 71in (180cm)
- Weight: 2350lbs (1066kg)
- Teeth: (36) Carbide Tipped
- Parker™ V14 Variable Displacement Drive Motor (Min and Max Disp. 80-160cc)

- Overhung Load Adapter
 - Adjustable Tree Catcher
 - Replaceable Skid Shoes
 - Standard SAE Attachment Plate
 - High Visible Hydraulic Pressure Gauge 0-10,000psi
 - Ground Pressure w/FM100-6R Mulcher Head: 5.25PSI (36.2kPa)
 - Tooth Options:
 - Solid Carbide (standard)
 - Solid Carbide with Carbide Side Cutters
- Complete FAE rotor assembly replacement



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OPTIONAL EQUIPMENT

- Hydraulic Skidder Winch: Rear Mounted, 12000lbs Cap.
- High Tone Horn
- Implement High Pressure Quick Disconnect Hyd. Hoses
- Battery Tender™ Battery Trickle Charger Kit
- Master electrical switch kit
- Winter fluids kit
- Power supply kit for cold start aids
- Engine oil pan heater kit
- Engine block heater
- Hydraulic oil reservoir heater
- Back-Up Camera with 7in Display
- FM100-6 Forestry Mower:
 - Same as FM100-6R except with FAE style Teeth and Holders
- Various Implements:
 - Tree Shear
 - Dirt Bucket (16.9in3)
 - Pallet Forks
 - Construction Bucket
 - Log Forks
 - Grapple Bucket

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