



## RG100R



<b>General</b>
<i>Weight:</i> 3750 Lbs Maximum
<i>Length:</i> 144" Maximum
<i>Height:</i> 64" Maximum
<i>Width:</i> 35" Maximum 53" Max W/Dual Wheels
<i>Ground Clearance:</i> 9" Minimum
<i>Chassis Design:</i> Electrically welded formed, Structural Steel 3/8" and 1/4"
<i>Self-Propel Means:</i> Hydraulic/Planetary Wheel Motor @ each Rear Wheel
<i>Swing Pivot Bearings:</i> 1 1/4" Hardened Steel Bushings
<i>Cylinder Pivot Points:</i> 1 1/4" Hardened Steel Bushings
<i>Operator Control Console:</i> Mounted On Swing Away Arm With Protective Polycarbonate Window Full Length Rubber Shield And Fully Covered Valve Bank
<i>Warning Lights:</i> Engine Oil Pressure, Engine Coolant Temperature, Hydraulic Oil Temp, Battery Charging System, Hof Hydraulic Filter
<i>Brakes:</i> Rear – Spring Applied Hydraulic Release Front – Pilot Operated Balance
<i>Tires:</i> Rear – (2) 5.70" X 12" Front - (2) 5.70" X 8"
<i>Machine Controls:</i> Joystick

Rayco RG100R is the answer if you're looking for a full-feature, high power backyard stump cutter. These machines feature powerful 99.2 hp Kubota diesel engine with hydrostatic cutter wheel drive and RAYCO's Command Cut to deliver top-notch performance. The swing-out control panel provides a good look at the cutting action while keeping the operator safe from flying debris. The RG100R gives you the added feature of radio remote controls, giving the operator the option of using either the swing-out panel or the handheld control unit. A low center of gravity and 4-wheel drive with high and low travel speed get you to the job without turf damage.

## Features and Benefits

- Hydraulic Backfill Blade
- Swing-Out Chip Retainers
- 4-Wheel Drive •Command Cut
- Fits Through 36" Gate
- Optional Wireless Remote Control

<b>Engine</b>
<i>Model:</i> Kubota V3800DI-T-E3B, Tier 3/Stage IIIA, Vertical 4-cycle, Turbocharged, liquid cooled diesel
<i>Number of cylinders:</i> 4
<i>Bore:</i> 3.94"
<i>Stroke:</i> 4.72
<i>Displacement:</i> 230 cu. in
<i>Maximum no load RPM:</i> 2800
<i>Gross HP at maximum no load RPM:</i> 99.2HP
<i>Maximum rated torque:</i> 240ft lbs @1600 RPM
<i>Cooling medium:</i> liquid cooled
<i>Air Cleaner:</i> Dry type with Pre-Cleaner
<i>Oil Filter:</i> Spin-on type
<i>Fuel Tank Capacity:</i> 14 gallons
<i>Electrical System:</i> 12 volts/60 AMP Alternator
<i>Safety:</i> Elastometric engine mounts required
<i>Engine:</i> to be operable on (up to) a 30° slope with the cutter wheel in the full up or down position
<i>Engine:</i> must remain level with machine frame and not tilt upward or downward while in operation. Also, engine must not move left or right while in operation.

### **Hydraulic System - Cutter**

<i>Cutter Pump:</i> Variable displacement axial piston
<i>Cutter Motor:</i> Fixed displacement axial piston
<i>Cutter Pump Displacement:</i> Cable controlled with neutral start & operator console interlocks
<i>Command Cut:</i> Swing speed control and horsepower optimizer
<i>Filter:</i> Charge Pressure Filtration
<i>System Pressure Relief:</i> 5800 PSI
<i>Lift &amp; swing cylinders:</i> 2 1/2" bore x 7-3/8" stroke, 1-1/8" rod

### **Hydraulic Wheel Drive System**

<i>Wheel Drive Pump:</i> Gear
<i>Wheel Drive Motors:</i> Rear-Axial 2-speed piston motor, front hydraulic Geroller motors
<i>Control Valve:</i> Single spool mono-block fingertip control, spring centering with neutral sensor, speed control switch, and creep gate
<i>System Pressure Relief:</i> 3300 PSI

### **Cutting Wheel**

<i>Wheel Diameter:</i> 23" Maximum
<i>Wheel Thickness:</i> 3/4" Minimum
<i>Cutting Wheel Bearings:</i> 1 3/4" diameter double row spherical roller minimum 2
<i>Cutter Wheel RPM:</i> Must be variable speed independent of engine RPM from 0 to 1230 RPM
<i>Drive Belt:</i> Gates Polychain GT <sup>®</sup>
<i>Cutting Teeth:</i> RAYCO Super tooth <sup>®</sup> forged, one piece, with tungsten carbide tips.
<i>Cutter Teeth Quantity:</i> 36 Maximum
<i>Belt Guard:</i> Steel, one piece
<i>Chip Retaining Curtains:</i> Fabric impregnated rubber
<i>Cutter Wheel:</i> Must come to a stop in less than three seconds without shutting off engine
<i>Cutter Wheel Engagement:</i> Hydrostatic pump. No clutch necessary

### **Cutting Range (without repositioning)**

<i>Below Ground Level:</i> 21.5"
<i>Above Ground Level:</i> 31"
<i>Cutting Width:</i> 69"
<i>Forward – Backward:</i> Self-propelled unlimited

### **Options**

TR100 Trailer
Receiver Hitch Male w/tow and lift eye
Wireless Remote