



RC1220-100



General

<i>Operating Height: 105.375"</i>
<i>Ground Clearance: 14" Minimum</i>
<i>Overall Length: 160"/188.75"</i>
<i>Overall Width: 78.25" Maximum</i>
<i>Cutting Capacity: 12"</i>
<i>Weight: 5,500 lbs. Minimum</i>
<i>Powder Coat: "Cat" Yellow by Machine Manufacturer</i>

CHASSIS/SUSPENSION

<i>Suspension: Rubber Mounted Torsion Type</i>
<i>Frame: 2"X 6" X 3/16" wall Structural Tubing</i>
<i>Tires: LT 225/75 R16</i>
<i>Tongue: 3"x 5" Structural Tube Extendable</i>
<i>Axle: 7000# Torsion Type</i>
<i>Electric Brake System</i>
<i>Electric Break-Away</i>
<i>Pintle Hitch (forged Lunette eye ring)</i>
<i>Jack Stand 5000# Screw type</i>
<i>Fenders Integrated Bolt on</i>

ENGINE

<i>Kubota V3800DI-T</i>
<i>Number of Cylinders: Four (4)</i>
<i>Bore: 3.94"</i>
<i>Stroke: 4.72"</i>
<i>Displacement: 230 Cu. in.</i>
<i>Maximum No-Load Speed: 2,600 RPM</i>
<i>Gross Power: 99.2 HP</i>
<i>Maximum Rated Torque @ 2600 RPM, 240ft lbs.</i>
<i>Cooling: Liquid</i>
<i>Air cleaner: Dry Type with pre cleaner</i>
<i>Oil Filter: Spin on Type</i>
<i>Steel Lockable Engine Enclosure</i>
<i>Engine Slope Rating:</i>
<i>35-Degree Intermittent</i>
<i>20-Degree Continuous</i>
<i>Puller Type Cooling Fan</i>
<i>External Exhaust: Iso-mounted Muffler with Rain Cap</i>
<i>Removable Front & Rear Engine Access Panel</i>

The RC 1220-100 delivers power and productivity the professional user demands. This high performance, 12-inch capacity chipper is power by a 99hp Kubota diesel engine. Versa Feed infeed control and RAYCO's exclusive X-Charge discharge system that delivers more air velocity to optimize discharge and prevent plugging even under the most demanding conditions. The RC1220's feed wheel measures 20-inches in diameter and is powered by a maintenance free planetary motor. The 12-inch high by 20-inch wide infeed opening is one of the largest in its category and easily feeds stubborn material. Operators appreciate hydraulic feed wheel lift and crush with handles that can be operated from either side of the machine.

Features and Benefits

- Power options allow choice of powerful Kubota diesel engines in 99hp turbo to meet Tier 3 emissions
- 12-inch x 20-inch infeed opening is largest in class to reduce trimming and allow easy feeding of challenging material
- Planetary feed wheel motor is maintenance free and eliminates chain and sprockets, keyways, and shaft-to-shaft couplers used by competitors, while providing exceptional feeding torque
- 20-inch diameter feed wheel is large enough to climb over most logs, eliminating the need for an operator to manually raise the feed wheel center style used by competitors

Clutch Engagement

Chipper Engagement shall be manual. Self-adjusting, minimizing clutch damage from slippage. Chipper engagement shall feature an automatic lock out that prevents clutch engagement in the event of the feed wheel being activated or drum interference.

Self-Adjusting clutch

Twin disc clutch

Automatic Lock-Out Neutral Safety"

Discharge System

Discharge chute Height: 99.75"

Discharge Chute Rotation: 360 degrees

With / position lock

Infeed System

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

12" Chipping Capacity

Infeed Opening: 12" x20" Minimum

Infeed Table Edge to Roller Distance, 61.5"

Infeed Table Edge to Knife Distance, 83.4"

Feed Roller Style 1-Horizontal 20" Diameter

Feed Rate: 100 Feet per Minute

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

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

Gauges

Hour meter

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

Hydraulic System

<i>Live Hydraulics</i>

<i>Hydraulic Pressure: 3,300 PSI</i>

<i>Hydraulic Pump Flow: 6 GPM</i>

<i>Feed Roller Lift Cylinders: 1.5" dia.</i>
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<i>Hydraulic Filter in tank</i>

<i>Hydraulic filter 10 Microns</i>

Capacities

<i>Fuel Tank: 29 U.S. Gallons Minimum</i>

<i>Run Time on Fuel Tank: 9 hours Minimum</i>

<i>Hydraulic Tank: 6 U.S. Gallons Minimum</i>

Cutting System

<i>Drum: 21" x 19.75" Wide Minimum</i>
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<i>Cutter Drum Speed: 2000 RPM Maximum</i>
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<i>Chipper Knife: .625" x 5.5" x 10" Double Edged</i>

<i>Chipper Bearings: 2-3/16"</i>

<i>2-Separate Knife Pockets</i>

<i>Blower Fan</i>

<i>4-Side Grade A8 Steel Bed Knife, 2" x 2" x 24"</i>

<i>Rotor Safety Lock Pin</i>

<i>Bolted Rotor Housing Inspection Door</i>

Safety

<i>Feed Roller Must be in Neutral Position in order to Start Engine</i>

<i>DOT Approved Reflective Tape</i>
