



RC1824



General
Operating Height: 102"
Ground Clearance: " Minimum
Overall Length: 160.5"/207.5"
Overall Width: 92.75" Maximum
Cutting Capacity: 18"
Weight: 9,140 lbs. Minimum
Powder Coat: "Cat" Yellow by Machine Manufacturer

CHASSIS/SUSPENSION
Suspension: Leaf Spring Axle
Frame: 4"X 6" formed channel
Tires: ST235/75R17.5H
Tongue: 3"x 6"x.5" Structural Tube Extendable
Axle: 10000# Leaf Spring
Electric Brake System
Electric Break-Away
Pintle Hitch, 21 ton capacity
Jack Stand 12000# Lift
Fenders welded 12 gauge with mud-flap mounting

ENGINE
Cummins QSB 4.5 Turbocharged CAC
Number of Cylinders: Four (4)
Displacement: 275 Cu. in.
Maximum No-Load Speed: 2,800 RPM
Gross Power: 130 or 160 HP
Maximum Rated Torque @ 1500 RPM, 460ft lbs.
Cooling: Liquid
Air cleaner: Dry Type with pre cleaner
Oil Filter: Spin on Type
Steel Lockable Engine Enclosure
Engine Slope Rating:
Puller Type Cooling Fan
External Exhaust: Iso-mounted Muffler with Rain Cap
Removable Front & Rear Engine Access Panel
Rubber isolated mounted (4)

Clutch Engagement
Chipper Engagement shall be manual.
Auto clutch
Lock-Out Neutral Safety'

When a chipper feeds better, it makes life easier for the operator. This was the objective held by the RAYCO engineers when they created the RC1824. The RC1824 was given a powerful feed system to pull in brush, limbs, and logs easier, with less trimming. Dual, horizontal feed wheels are off-set to minimize material kick-up. A 24" diameter top feed wheel is powered by a planetary drive motor and easily climbs over large logs without operator assistance. This 18" capacity drum chipper is compact and powerful, featuring a standard 130hp Cummins engine or an optional 160hp Cummins turbo diesel. The engine is rubber isolated for smooth operation. The RC1824 chipper with a biggest-in-class 38" diameter by 24" wide drum powers through challenging material. All this performance comes in a package that's only 192" long with the feed table folded.

Features and Benefits

- Power options allow choice of powerful Cummins 4-cylinder turbo diesel engines in 130hp or 160hp, both meeting Tier 3 emissions
- Rubber Isolated engine for smooth operation
- Largest in-class chipper drum measures 38-inches in diameter x 24-inches wide for smooth chipping action
- Infeed opening is 18-inches high x 24-inches wide straight through to the drum for easy feeding with no neck-down

Discharge System

Discharge chute Height: 102"

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 19" X 24" opening. The feed system shall have at least 105 feet per minute rate. The feed wheel shall be able to provide 1000 to 4500 pounds of down pressure selectable by a manual lever. The 4500 shall be momentary for approximately 20 seconds. The feed roller shall be driven by an integrated piston motor and planetary drive that mounts directly to the feed roller.

18" Chipping Capacity

Infeed Opening: 19" x24" Minimum

Infeed Table Edge to Roller Distance, 54"

Infeed Table Edge to Knife Distance, 93.7"

Feed Roller Style 2-Horizontal 24" Diameter

Feed Rate: 105 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

95 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*Live Hydraulics**Hydraulic Pressure: 3,300 PSI**Hydraulic Pump Flow: 17cc / 4cc Tandem Pump**Feed Roller Lift Cylinders: 2" dia.**Hydraulic Filter : Spin on filter**Hydraulic filter 10 Microns***Capacities***Fuel Tank: 33 U.S. Gallons Minimum**Run Time on Fuel Tank: 6.5 hrs min (130hp)
5.5 hrs min (160 hp)**Hydraulic Tank: 15 U.S. Gallons Minimum***Cutting System***Drum: 38" x 24" Wide Minimum**Cutter Drum Speed: 1200 RPM Maximum**Chipper Knife: (4) .625" x 5" x 12" Double Edged**Chipper Bearings: 2-7/8"**4-Separate Knife Pockets**Blower Fan**4-Side 1.5" x 4" x 26.5"**Rotor Safety Lock Pin**Bolted Rotor Housing Inspection Door***Safety***Feed Roller Must be in Neutral Position in order to Start
Engine**DOT Approved Reflective Tape*