

# Ray-Tech Infrared RC4000

## Two Ton Asphalt Reclaimer

With the RC 4000, you can accomplish a better quality job at a smaller cost. With this piece of equipment, you can reclaim waste asphalt into permanent patch material as well as hold new material at the proper working temperature for 48 hours without damage.



RC4000



RC4000

- Enables you to use asphalt when you want it, regardless of the season.
- Two Ton Capacity.
- All controls preset at factory.
- Eliminates cold patching method.
- Fuel efficient and thermostatically controlled.
- Several options available.
- Made in the U.S.A.



**Ray-Tech Infrared Corp.**

*Manufacturer of Infrared Road Maintenance Equipment*

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# Ray-Tech Infrared RC 4000

At Ray-Tech Infrared Corporation, we take pride in building efficient road maintenance equipment.

## Heating System

- **Energy Converters** – Two (2) 35,000 BTU ceramic faced Infrared type converters, Secured in heating chamber. Independent thermostat control of each converter to more accurately control temperature of asphalt.
- **Electronic Ignition** – Consisting of electronic module, flame sensing probe, and direct spark electrode.
- **Fuel** – 100% propane gas (vapor withdrawal). Two (2) 100 lb. cylinders (cylinders not included). Automatic switchover valve.
- **Tankholders** – Heavy duty hinged brackets hold cylinders.
- **Safety Controls** – 100% shutoff gas valve, controlled by electronic ignition module, with a direct spark electrode and flame-sensing probe automatically shuts down ignition and gas valve if no flame is present for 12 seconds. High-pressure hose with reusable fittings, regulator to reduce withdrawal pressure to 11" water column. External emergency shut-off valve.

## Temperature Controls

- Cold material placed in unit will be totally reclaimed within 16 hours.
- Skin temperature will not exceed 300 degrees while reclaiming.
- Controls will automatically reduce skin temperature to 300 degrees maximum after material has been reclaimed, allowing material to be held for an extended period of time (approximately 48 hours) for reclaimed material and/or plant mix.
- Controls are located in a secured location behind lockable doors of unit to protect from tampering.
- A combination of sensing devices, thermostats and timers control the reclaiming and holding cycles automatically.

## Construction

- **Chassis** – 5" x 3½" x ¾" angle front boxed, 4" x 5.4 channel cross members. Heavy-duty nose plate with nine (9) position holes.
- **Storage Bin** – Double wall to hold heated air to prevent heat loss from asphalt. 10 to 16 gauge steel double and triple wall throughout. Hopper of 12 gauge steel for extra long life.
- **Insulation** – Inside of middle wall coated with 1250-degree aluminum paint to reflect infrared evenly around inner walls. Third wall around complete unit holds 2" rigid insulation.
- **Loading Doors** – manually opened top doors form chute for loading asphalt. 12 and 16 gauge with 2" rigid insulation.
- **Shoveling Doors** - Two (2) vertical track doors, on rear of unit. Double action linkage with positive safety lock. Manual operation. Shear angle base for maximum positive cutoff. The shoveling deck is approximately 30" from ground level.
- **Spill-proof Container** – 12-gauge construction. 12-gallon capacity, with bottom draw off, for cleaning rakes and shovels.

## Mounting

- **Type** – Single axle trailer.
- **Axle** – One (1) rated at 7000 lb.
- **Suspension** – Leaf spring
- **Wheels** – Steel, 3,530 lb. rating.
- **Tires** – Two (2) 9.5 x 16.5, 10 ply.
- **Brakes** – Electric on all wheels with breakaway switch.
- **Fenders** – 3/16" diamond plate.
- **Lights** – 12 volt system LED running, brake, signal and hazard lights.
- **Jack** – 10,000 lb. (Nose leveling).
- **Tow Ring** – 1½" steel ring with 3-inch I.D. (Two safety chains included)

## Dimensions

- **Length** – 11' - 8"
- **Width** – 7' - 2"
- **Width with top doors open** – 7' - 3"
- **Height** – 6' - 4"
- **Height with doors open** – 8' - 6"
- **Unladen weight** – 2,900 lbs.
- **Gross Weight** – 7,000 lbs.

## Safety Features

- Externally mounted grab handles on each corner.
- Electrically operated breakaway switch.
- Locking front doors protect controls.
- Lockable propane tank valve cover.
- Amber reflectors (front & sides).
- Red reflectors (rear and sides).
- Safety lights (refer to "Lights").
- Safety controls (refer to "Heating system").

## Electrical System

- 12 Volt systems throughout with 12 volt deep cell storage battery. Charger mounted in unit with provisions for easy connection to 110-volt power supply.

## Lights

- Two (2) LED (Light Emitting Diode) *brake, running, directional and hazard* lights mounted at each top rear corner.
- Two (2) LED *brake, clearance and directional* lights at top rear center.
- License plate light.
- Indicator light for reclaiming.
- 7-Pole RV style truck connector.

## Optional equipment

- 24" x 24" compactor platform with winch and swivel boom.
- 21-gallon liquid asphalt storage container, independently heated, thermostatically controlled, with two (2) quart ladle, mounted on left front fender.
- Time Delay System.
- Controls for heating cold patch.
- Surge hydraulic brakes.