

# Ray-Tech Infrared RC10-T

**The perfect piece of equipment for paving contractors and utility companies!**

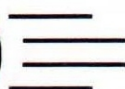
The RC10-T features a ten ton dumping reclaimer / hot box.

With this piece of equipment, you can reclaim cold asphalt into a hot, workable material in just 12 hours!

This box will also hold new material at the proper working temperature for 48 hours without damage.



- Enables you to use asphalt when you want it, regardless of the season.
- Option for an additional reclaimer behind the cab to carry a second material.
  - Large fuel capacity to ensure longer working hours.
  - Proven reliability and profitability.
- Hydraulic loading doors and three independently operated hydraulic shovel doors.
  - Many options available.



**Ray-Tech Infrared Corp.**

*Manufacturer of Infrared Road Maintenance Equipment*

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**At Ray-Tech Infrared we take pride in building the most efficient and user-friendly infrared road maintenance equipment available!**

### Heating System

- **Burners** – Four (4) 50,000 BTU and two (2) 22,000 BTU Infrared burners located under reclaimer. Independent thermostat control of each converter to more accurately control temperature of the asphalt.
- **Electronic Ignition** – Consisting of electronic module, flame sensing probe, and direct spark electrode.
- **Fuel** – 100% propane gas (vapor withdrawal) from one (1) 88 gallon fuel tank, mounted on front of reclaimer.
- **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 gas hose with 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 in 12 to 14 hours.
- Skin temperature will not exceed 320 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.

### Truck Requirements

Contact Ray-Tech to discuss minimum GVW and minimum cab to axle length required.

*\*This will depend entirely on options selected.*



### Construction

- **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** – Hydraulically opened top doors form chute for loading asphalt. 12 and 16 gauge with 2" rigid insulation.
- **Shoveling Doors** – Three (3) hydraulic vertical track doors controlled independently at the rear of unit, with shear angle base for maximum positive cutoff.
- **Hydraulic Controls** – Operating controls are located at rear right of unit.

### Safety Features

- Externally mounted grab handles on each corner.
- Amber reflectors (sides).
- Red reflectors (rear and sides).
- Safety lights (refer to "Electrical Systems").

### Electrical Systems

- 12 Volt system throughout, including the electrical gas controls. Powered by truck 12 volt system.
- Two (2) LED (Light Emitting Diode) *amber hazard* lights mounted at each top rear corner, with single unit two (2) LED *red clearance* light assembly at top rear center. Indicator light for reclaiming. To be wired to truck 12 volt system.

### Mounting

Reclaimer is designed to mount on a truck chassis with hydraulic cylinder underneath it to facilitate dumping. Hydraulic dump hoist, reservoir and piping are not included by Ray-Tech. When ordering, we will facilitate with you where this work will be done. (We have local truck body fitters who will subcontract this work if you choose)

### Dimensions

- **Length** – 13' - 11"
- **Width** – 7' - 6"
- **Width with top doors open** – 9' - 9"
- **Height** – 6' - 11"
- **Height with doors open** – 8' - 0"
- **Weight** – 8,425lbs
- **Gross Weight (equipment + asphalt and propane)** – 28,875 lbs.

### Available Options

- *Additional Reclaimer (2,3,4 or 6 Ton)*
- *Hydraulic Hoist Installation*
- *Hydraulic Roller Elevator*
- *Hydraulic Side Dump Waste Bin*
- *Sprayer Storage Box*
- *Sand Box*
- *Cone Storage*
- *Tool Storage Tray*
- *Heat Torch*
- *Water Tank*
- *Time Delay System*
- *12 Volt Lighting*
- *Arrow Stik Safety LED Light Bar*
- *Remote Hydraulic Operation*

### Performance Specification:

**Asphalt Reclaimer:** The asphalt will reach a 270°F minimum average temperature after twelve hours of heating time.

**Transport and reclaim asphalt at a working temperature to make year-round permanent patches!**

**Contact us today to learn more!**