



**RAY-TECH  
INFRARED**

# **EQUIPMENT CATALOG**

# ABOUT RAY-TECH

The practice of heating asphalt for repair purposes was first used around 1923, but at the time it was not technically infrared. The use of actual infrared heating technology on asphalt began around 1964-1965, with Poweray Infrared Corp. being the first major manufacturer.

Wes Van Velsor became a part owner of Poweray in 1985. When Poweray dispersed, he took his knowledge of the industry and formed Ray-Tech Infrared Corp. in 1989 and began to produce and sell the equipment himself.

At the same time, Wes owned and operated Environmental Enterprises; an asphalt maintenance and repair company. Over the years he has applied what he learned from the operation of these machines in order to improve upon equipment designs to make them more user-friendly and efficient. While some designs were carried over from Poweray, Wes also personally designed a number of the models Ray-Tech sells today.

Today Ray-Tech manufactures over 40 professional grade models of highly efficient infrared machines. They include walk behind and trailer mounted heaters, trailer and truck mounted reclaimers, combination trailers, combination truck mounts and joint heating units.

Wes is still the Owner and President of Ray-Tech with his Grandson Wesley now leading the company and its operations as Vice President.

With all the changes and improvements we have made over the years, one goal has remained the same:  
***Keep the equipment simple and easy to operate while at the same time allowing the user to carry out permanent, high quality repairs.***



Ray-Tech President Wes Van Velsor next to one of his earliest equipment designs, the Mini Combo.



Ray-Tech Vice President Wesley Van Velsor accepting the Pavement Hall of Fame induction award on behalf of his Grandfather.



## What Is Infrared Asphalt Repair?

Infrared asphalt repair is the process of heating an asphalt surface until it can be raked, luted and compacted.

### How Does It Work?

When heat is generated, infrared light rays are created. These light rays are directed onto the asphalt surface where they are absorbed into the material. This causes the material to heat up and become workable again.

### Why Use This Method?

Joints are always trouble when carrying out repair work. They collect dirt and water and over time will fail.

Using the infrared repair process, a smooth, thermal bond is created between the repair site and the existing asphalt that surrounds it. This eliminates the joint and forms a long lasting patch.

### Who Uses Infrared?

Infrared equipment is used by a diverse clientele in a variety of situations. Municipalities, contractors, pavers, landscapers and utility companies are just a handful of the customers we work with.

## Why Buy Ray-Tech?

This is a common question we get asked when someone is comparing us to other manufacturers.

These are the top three reasons:

**1) Performance** - The better your machine performs its job, the more money you can make.

When comparing performance, there is no machine that matches ours in heat times or reclaiming ability. While others make claims they cannot back, we back ours with a performance guaranty.

**2) Quality** - Every machine we build is meant to last for years in brutal work environments. That's why many of our machines from the early 90's are still in operation today!

**3) Ease of Operation** - We've designed, built and modified our equipment models over the years to fit various job scenarios and be user friendly and easy to understand. In the event you have to make a repair, we have taken that into account and made that as simple as possible.

If you are currently shopping around for an infrared machine, we urge you to talk with us or one of our dealers and then reach out to current Ray-Tech owners. You will find they usually have great reasons to choose Ray-Tech!

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**Professional  
Grade**

**Easy  
Operation**

**Unmatched  
Performance**





**2 TON RC4000**



**3 TON RC6000**



**4 TON RC8000**

*Keep your material **HOT** and extend your season!*

## AVAILABLE IN PROPANE OR DIESEL CONFIGURATIONS

### GUARANTEED PERFORMANCE

- Keep asphalt hot for 48 hours without damage.
- Air jacketed hoppers are easier to maintain than oil.
- Extend season by reclaiming stockpiled asphalt.
- Transport hot material to jobsite without heat loss.
- Minimal maintenance required and easy to operate.
- Cold material will be reclaimed in 12 hours.

### STANDARD FEATURES

- Propane or diesel burner configuration
  - Electronic ignition for burners
- Fully insulated hopper, sidewalls and doors
  - LED trailer lights
- 12V system with easy charging via built in outlet
- Propane model: Two 100 LB propane cylinders (non-HAZMAT)
  - Diesel model: One 20 gallon fuel tank w/ gauge
- Automatically controlled timers and thermostats
  - Heavy duty dual axle trailer
- 12 gallon rinse tank for cleaning tools

### Available Sizes:

- 2 Ton (RC4000 or RC4000D)
- 3 Ton (RC6000 or RC6000D)

- 4 Ton (RC8000 or RC8000D)

### AVAILABLE OPTIONS

- **Roller & Compactor Platform** - Steel platform with a heavy duty electric winch mounted on a swivel boom.
- **Time Delay System (TDS)** - Preset the time for the reclaimer to turn on automatically.
- **Cold Patch Heating Controls** - Additional thermostat controls to heat cold patch material at lower temperatures (propane).
- **Hydraulic Dump** - Configured to dump to the rear of the unit with a single hydraulic piston and stand-alone electric pump.
- **21 Gallon Heated Tack Tank** - 21 gallon tank with independently controlled propane burner and gravity discharge.
- **Spare Tire & Wheel** - Spare tire mounted on rim and attached to side of reclaimer box.
- **12V LED Work Light** - 12V LED work light mounted above rear shovel doors to extend working hours.
- **LED Arrow Stik Light Bar** - LED light bar with control module that shows the flash pattern being displayed.
- **Hydraulic Brakes** - Surge hydraulic brakes to replace the standard electric brakes.

### Save with one of our common option packages!

#### **Basics Package**

- Time Delay System(TDS)
- 12V LED Work Light

#### **Pro Package**

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar
- Hydraulic Dump
- Roller & Compactor Platform

#### **Municipal Package**

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar
- Hydraulic Dump
- Roller & Compactor Platform
- Spare Tire
- 21 Gallon Heated Tack Tank



**RC15-T 15Ton Reclaimer**



**RC6-T 6 Ton Reclaimer**

**Keep your material *HOT* and extend your season!**

## GUARANTEED PERFORMANCE

- Keep asphalt hot for 48 hours without damage.
- Transport hot material to jobsite without heat loss.
- Extend season by reclaiming stockpiled asphalt.
- Cold material will be reclaimed in 12 hours.

## STANDARD FEATURES

- **Propane:** Propane tanks located on front platform
  - Electronic ignition for burners
  - Fully insulated hopper, sidewalls and doors
  - LED lights on rear of units
  - Hooked up to 12V truck system
- **Diesel:** One (1) 20 gallon diesel fuel tank on front platform
  - Automatically controlled timers and thermostats
  - Safety controls for burner ignition
  - Hydraulic top doors and discharge doors
  - Catwalk on front of box with ladder and rail

## **Available Sizes:**

- |                   |                   |                   |                   |
|-------------------|-------------------|-------------------|-------------------|
| • RC2-T (2 Ton)   | • RC3-T (3 Ton)   | • RC4-T (4 Ton)   | • RC5-T (5 Ton)   |
| • RC6-T (6 Ton)   | • RC7-T (7 Ton)   | • RC8-T (8 Ton)   | • RC9-T (9 Ton)   |
| • RC10-T (10 Ton) | • RC11-T (11 Ton) | • RC12-T (12 Ton) | • RC13-T (13 Ton) |
| • RC14-T (14 Ton) | • RC15-T (15 Ton) |                   |                   |

## AVAILABLE OPTIONS

- **Additional Reclaimer** - 2 to 6 ton reclaimer set behind cab with shovel doors on each side.
- **Roller Elevator** - Hydraulic elevator with drop down front
- **Time Delay System (TDS)** - Preset the time for the reclaimer to turn on automatically.
- **Side Dump Waste Bin** - 38"W x 58"L x 15"H hydraulically dumping bin.
- **Sprayer Storage Box** - 24"W x 18"D x 36"H box to hold two portable tank sprayers.
- **Emulsion Storage Box** - 30"W x 28"D x 24"H box to hold four 5 gallon pails.
- **Sand Box** - 24"W x 18"D x 24"H box with fold down access door.
- **Cone Storage** - 24" x 32" hinged cone rack with post.
- **12V LED Work Light** - 12V LED work light mounted above rear shovel doors to extend working hours.
- **Handheld Torch** - Gas hose with lance and quick disconnect.

- **LED Arrow Stik Light Bar** - LED light bar with control module.
- **Handtool Storage Bin** - Expanded metal basket for tools.
- **Water Tank** - 35 gallon water tank.
- **Cross Cab Tool Box** - Weatherproof box located behind cab.
- **Hydraulic Top Doors** - RC2-T to RC4-T (standard on others)
- **Hydraulic Discharge Doors** - RC2-T to RC4-T (standard on others)

## **Save with one of our common option packages!**

### *Pro Package*

- |                            |                      |
|----------------------------|----------------------|
| • Time Delay System(TDS)   | • 12V LED Work Light |
| • LED Arrow Stik Light Bar | • Roller Elevator    |
| • Side Dump Waste Bin      | • Cone Storage       |
| • Handtool Storage Bin     | • Water Tank         |
| • Emulsion Storage Box     | • Sand Box           |
| • Sprayer Storage Box      | • Handheld Torch     |

### *Municipal Package*

- |                            |                      |
|----------------------------|----------------------|
| • Time Delay System(TDS)   | • 12V LED Work Light |
| • LED Arrow Stik Light Bar | • Roller Elevator    |
| • Side Dump Waste Bin      | • Cone Storage       |
| • Handtool Storage Bin     | • Water Tank         |

# WALK BEHIND HEATERS



Mini Tech (42"L x 48"W)



Mini Tech Xtend (42"L x 78"W)



Mini Fusion Xtend (118"L x 15"W)

***Perfect for driveways, parking lots, seams and potholes!***

## GUARANTEED PERFORMANCE

- Heats evenly without leaving cold spots.
- Built to last with quality components.
- Operate regardless of the weather.
- **UNMATCHED** 6 to 8 minute full depth heats.
- Completely stainless steel chambers.
- Easy to maneuver and transport.

## STANDARD FEATURES

- Industry leading heating converter technology
- 115V system standard (customer supplies cord and generator)
- 24V system optional (onboard batteries and charger)
- Foldable handle to minimize size for transport
- Heavy duty welded steel frame to extend lifespan
- Two 40 LB propane cylinders (non-HAZMAT)
- Heavy duty blower motors designed for efficient performance
- Rear and front wheels standard for maneuverability
- Optional winch and brackets to attach to Ray-Tech Reclaimer
- Universal chamber mount to interchange chamber sizes

## **Available Sizes:**

- Mini Tech (42"L x 48"W)
- Mini Tech Xtend (42"L x 78"W)
- Mini Fusion (78"L x 15"W)
- Mini Fusion Xtend (118"L x 15"W)

## AVAILABLE OPTIONS

- **24V Operation** - 24V blower motor with batteries and onboard charger for overnight charging.
- **Winch Kit** - Manual winch mounted on frame for loading.
- **Carrying Vehicle Attachment Kit** - Winch kit plus brackets, stabilizers, lights, etc to attach to Ray-Tech Reclaimer.
- **Aluminum Wind Guards** - Set of wind guards to lean against chamber.



***Mini Tech with Carrying Vehicle Attachment Kit shown mounted on an RC4000***

## **What Ray-Tech Equipment Owners are saying:**

*"Well made machines. Very helpful in making money!"*

Frank - Driveway Sealing Call Frank LLC - CT

*"Easy to use!"*

Jason - Bennett Paving, Inc. - SC

*"Helps with repairs. No cutouts and removal!"*

Martha - McCormick Asphalt Paving - AR



**Tech 24 (4'W x 6'L)**



**Tech 108 (30"W x 9'L)**



**Tech 48 (8'W x 6'L)**

***Multiple sizes and configurations to fit all your jobsite needs!***

## GUARANTEED PERFORMANCE

- Heats evenly without leaving cold spots.
- Built to last with quality components.
- Operate regardless of the weather.
- **UNMATCHED** 6 to 8 minute full depth heats.
- Completely stainless steel chambers.
- Easy operation with minimal maintenance.

## STANDARD FEATURES

- Industry leading heating converter technology
  - 24V system is easily charged overnight
  - Completely stainless steel heating chamber
- Locking battery boxes protect from weather and vandalism
  - Heavy duty single axle trailers
- Various propane tank sizes (all models are non-HAZMAT)
- Heavy duty blower motors designed for efficient performance
  - Swivel wheel mounted on jack for maneuverability
  - Time proven easy and safe manual ignition
  - Integrated safety switches and valves

## **Available Sizes:**

- Tech 24 (6'L x 4'W)
- Tech 36 (bi-fold chamber 3'W x 13'L)
- Tech 48 (6'L x 8'W)
- Tech 108 (9'L x 30"W)

## AVAILABLE OPTIONS

- **12V LED Work Light** - 12V LED work light mounted above rear shovel doors to extend working hours.
- **LED Arrow Stik Light Bar** - LED light bar with control module.
- **Aluminum Wind Guards** - See below for quantity:
  - For Tech 24** - Two 6'L and one 4'L
  - For Tech 36** - Two 6'L
  - For Tech 48** - Two 6'L and two 4'L



***Tech 36 (bi-fold chamber 3'L x 13'W total)***

## **Common Uses By Model**

<b>Tech 24</b>	<i>Small repairs - potholes, driveways, parking lots, etc.</i>
<b>Tech 36</b>	<i>Full lane width heating for cracks, utility cuts, seams, etc.</i>
<b>Tech 48</b>	<i>Virtually any size repair.</i>
<b>Tech 108</b>	<i>Trenches, utility cuts, curbs, seams, etc.</i>





Tech 78 (Folding chamber - Total size 6'L x 13'W)

*Perfect for full lane width heating and utility jobsites!*

## GUARANTEED PERFORMANCE

- Heats evenly without leaving cold spots.
- Built to last with quality components.
- Heat large areas up to 13 feet wide.
- **UNMATCHED** 6 to 8 minute full depth heats.
- Completely stainless steel chambers.
- Easy operation with minimal maintenance.

## STANDARD FEATURES

- Industry leading heating converter technology
- Motor and alternator on rear power deck to supply power
  - Completely stainless steel heating chamber
- Chamber mounted on universal plate for front attachment
- Easy attach/detach power and fuel lines from chamber to deck
- Six 60 LB propane cylinders (non-HAZMAT)
- Heavy duty blower motors designed for efficient performance
  - Power deck attaches to rear of tractor
- Time proven easy and safe manual ignition
- Integrated safety switches and valves

## Available Sizes:

- Tech 78 (tri-fold chamber - total size of 6'L x 13'W)

- Tech 78 Modified (6'L x 8'W)



Tech 78 shown mounted on a skidsteer

## What Does This Model Include?

- **Heating chamber** mounted on a universal plate that can be mounted on a skidsteer, tractor, toolcat, etc.
- **Rear power deck** containing propane cylinders, batteries, motor and alternator to charge the batteries.
- **Quick connect** gas lines and power wiring from power deck to heating chamber.





**Fusion PM (Paver Mount)**



**Fusion MT (Manual Tow)**



**Fusion Seamless**

***Seamless paving starts with a Fusion!***

## GUARANTEED PERFORMANCE

- Fuses longitudinal joints by matching HMA temperatures.
- Automatic sensor controls heat on select models.
- Will not diminish asphalt or bitumen content.
- Meets temperature and density specs for any project.
- Manual models used on parking lots and commercial jobs.
- Designed for airports, interstates and highways.

## STANDARD FEATURES

- Industry leading heating converter technology
- Power provided by paver or included generator
  - Completely stainless steel heating chamber
  - Lockable generator cabinet and control box
- Various tank sizes depending on model (all non-HAZMAT)
- Heavy duty blower motors designed for efficient performance
  - Chamber jacks allow for easy height adjustment
  - Manual or automatic ignition depending on model

## **Available Sizes:**

- Fusion PM (12'L x 15"W - Paver Mount)
- Fusion AT (12'L x 15"W - Automatic Tow)
- Fusion Seamless Reflector (12'L x 15"W - Train System)
- Fusion MT (12'L x 15"W - Manual Tow)
- Fusion Seamless (12'L x 15"W - Train System)



**Fusion PM shown mounted on a paver**



**Train system of Fusion Seamless heaters in operation**



Mini Combo



3 Ton Combo

*The most versatile models for any jobsite!*

## GUARANTEED PERFORMANCE

- 6'L x 8'W chamber allows for versatility in job sizes.
- Transport hot material to jobsite without heat loss.
- Turn-key unit that can haul everything you need.
- **UNMATCHED** 6 to 8 minute full depth heats.
- Built to last with quality components.
- Easy operation with minimal maintenance.

## STANDARD FEATURES

- Industry leading heating converter technology
  - 24V system is easily charged overnight
  - Completely stainless steel heating chamber
- Locking battery boxes protect from weather and vandalism
  - Heavy duty dual axle trailers
- Five 100 LB and one 60 LB propane cylinder (non-HAZMAT)
- Heavy duty blower motors designed for efficient performance
  - Fully insulated reclaimer box
- Time proven easy and safe manual ignition
- Integrated safety switches and valves

## Available Sizes:

- Mini Combo (6'L x 8'W Chamber - 2 Ton Reclaimer)
- 3 Ton Combo (6'L x 8'W Chamber - 3 Ton Reclaimer)
- 4 Ton Combo (6'L x 8'W Chamber - 4 Ton Reclaimer)

## AVAILABLE OPTIONS

- **Roller & Compactor Platform** - Steel platform with a heavy duty electric winch mounted on a swivel boom.
- **Time Delay System (TDS)** - Preset the time for the reclaimer to turn on automatically.
- **12V LED Work Light** - 12V LED work light mounted above rear shovel doors to extend working hours.
- **LED Arrow Stik Light Bar** - LED light bar with control module that shows the flash pattern being displayed.
- **Hydraulic Brakes** - Surge hydraulic brakes to replace the standard electric brakes.
- **Aluminum Wind Guards** - Set of two 6'L and two 4'L wind guards.
- **Spare Tire & Wheel** - Spare tire mounted on rim and attached to side of reclaimer box.
- **21 Gallon Heated Tack Tank** - 21 gallon tank with independently controlled propane burner and gravity

### Save with one of our common option packages!

#### *Basics Package*

- Time Delay System(TDS)
- 12V LED Work Light

#### *Pro Package*

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar
- Aluminum Wind Guards
- Roller & Compactor Platform

#### *Municipal Package*

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar
- Spare Tire & Wheel
- Roller & Compactor Platform



**2 Ton TMV**



**3 Ton TMV**



**6 Ton TMV**

***Combine everything you need on one truck!***

## GUARANTEED PERFORMANCE

- 6'L x 8'W chamber allows for versatility in job sizes.
- Transport hot material to jobsite without heat loss.
- Turn-key unit that can haul everything you need.
- **UNMATCHED** 6 to 8 minute full depth heats.
- Built to last with quality components.
- Easy operation with minimal maintenance.

## STANDARD FEATURES

- Industry leading heating converter technology
- 24V system charges off truck while in operation
- Completely stainless steel heating chamber
- Heavy duty blower motors designed for efficient performance
- Configured to mount on customer supplied truck chassis
- Compartment for walk behind roller with loading winch
- Five 100 LB propane cylinders standard (non-HAZMAT) **OR**
- Two 100 gal propane tanks option (requires HAZMAT placard)
- Fully insulated reclaimer box
- Time proven easy and safe manual ignition
- Integrated safety switches and valves
- Side dump waste bin for scrap material

## **Available Sizes:**

- 2 Ton TMV (6'L x 8'W Chamber - 2 Ton Reclaimer)
- 3 Ton TMV (6'L x 8'W Chamber - 3 Ton Reclaimer)
- 4 Ton TMV (6'L x 8'W Chamber - 4 Ton Reclaimer)
- 6 Ton TMV (6'L x 8'W Chamber - 6 Ton Reclaimer)

## AVAILABLE OPTIONS

- **Time Delay System (TDS)** - Preset the time for the reclaimer to turn on automatically.
- **Handtool Storage Bin** - Expanded metal basket for tools.
- **12V LED Work Light** - 12V LED work light mounted above rear shovel doors to extend working hours.
- **Double Receiver Trailer Hitch** - Heavy duty double receiver with pintle - 2 5/16" ball combo hitch.
- **LED Arrow Stik Light Bar** - LED light bar with control module that shows the flash pattern being displayed.
- **Aluminum Wind Guards** - Set of two 6'L and two 4'L wind guards.
- **Water Tank** - 35 gallon water tank.
- **Extra Capacity Propane Tanks** - Two 100 gal tanks to replace standard five 100 lb cylinders (**requires HAZMAT placarding**).
- **Cross Cab Tool Box** - Weatherproof box located behind cab.
- **Hydraulic Top Doors** - Standard on 6 Ton TMV.
- **Hydraulic Discharge Doors** - Standard on 6 Ton TMV.
- **Hydraulic Chamber Lift** - In place of 24V winch.
- **Hydraulic Roller Elevator** - In place of roller compartment.
- **Hydraulic Side Dump** - In place of 24V winch on side dump.

### **Save with one of our common option packages!**

#### **Basics Package**

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar

#### **Pro Package**

- Time Delay System(TDS)
- 12V LED Work Light
- LED Arrow Stik Light Bar
- Aluminum Wind Guards
- Handtool Storage Bin
- Water Tank
- Double Receiver Trailer Hitch

#### **Hydraulics Package**

- Hydraulic Top Doors
- Hydraulic Side Dump
- Hydraulic Discharge Doors
- Hydraulic Chamber Lift
- Hydraulic Roller Elevator



## BASED ON

- 2 Employees
- 8 Hour Work Day (175 Days per Year)
- 3 Heats Per Hour (24 Heats per Work Day)
- 8 Minute Heating Time

## RECEIPTS

Repairs	<u>Per Day</u>	<u>Per Year</u>
24 Heats x 48 Ft <sup>2</sup> per Heat x \$5.00 per Ft <sup>2</sup> (Below Avg)	\$5,760.00	\$1,008,000.00
<b>Total Receipts</b>	<b>\$5,760.00</b>	<b>\$1,008,000.00</b>

## COSTS

Labor	<u>Per Day</u>	<u>Per Year</u>
2 Employees x \$25	\$400.00	\$70,000.00
<b>Asphalt</b>		
2 Tons x \$70 per Ton	\$140.00	\$24,500.00
<b>Propane</b>		
Heater: 192 Minutes x .142 Gal per Min x \$2.50 per Gal	\$68.16	\$11,928.00
Reclaimer: 8 Hours x .3 Gal per Hour x \$2.50 per Gal	\$6.00	\$1,050.00
<b>Vehicle</b>		
Insurance	\$70.00	\$12,250.00
Fuel: 75 Miles per Day (8 MPG) x \$4.00 per Gal	\$37.50	\$6,562.50
<b>Maintenance</b>		
Common Maintenance Cost	\$5.00	\$875.00
<b>Total Costs</b>	<b>\$726.66</b>	<b>\$127,165.50</b>

	<u>Per Day</u>	<u>Per Year</u>
<b>Total Profit</b>	<b>\$5,033.34</b>	<b>\$880,834.50</b>

## Component Comparisons

There are several key components used in equipment builds that set Ray-Tech equipment apart from the competition:

**1) 24V and 115V Blower Motors** - Ray-Tech heaters are equipped with either 24V or 115V blower motors to deliver the air/gas mixture to the heating converters. Using higher voltage motors creates a far more robust system than any other manufacturers. Some others use 12V motors while some use no motors at all, which is why they cannot reach our level of heating temperatures or times. Ray-Tech's motors are also rugged and last years with minimal maintenance while at the same time causing no detrimental effects on the machine's battery or charging system.

**2) Industry Unique Heating Converters** - Ray-Tech utilizes a unique welded ribbon style orifice for our heating converters. This orifice, combined with the robust blower motors, is what creates the industry leading 1875°F temperature that our equipment reaches on average. Due to this higher temperature, more infrared light rays are produced and heating times therefore decrease. This orifice design has been tested and proven for over 30 years and on average, our converters will last 5+ years before needing replacement and will operate nearly the same by then as they do when new.

**3) High Temp Inconel Grids** - The high heat tolerant properties of the inconel used for Ray-Tech's grids means our 1875°F operating temperature does not take anymore of a toll on the grids than lower temperatures do. New grids typically last for 2+ seasons with average use. Some others use blankets or wire matting for their heating systems. Matting, while acceptable on reclaimer burners, does not facilitate high enough temperatures to produce efficient heating times. Blankets are fragile and require extra care and maintenance. Ray-Tech has stuck with inconel grids due to their efficiency and durability in the field.

# FUEL USAGE CHARTS

Reclaimers (Propane)				NOTES	Heaters		
Machine	Action	Gal / Hour	Lb / Hour		Machine	Gal / Minute	Lb / Minute
RC4000	Reclaiming	0.6	2.5	Reclaimer Chart - The actions shown represent reclaiming cold material and holding hot material. The figures have been calculated based on typical situations. When reclaiming, the burners will run for a total of 45 minutes ON and 15 minutes OFF per hour. When holding, the burners will run for a total of 20 minutes ON and 40 minutes OFF per hour.  Heater Chart - Heating fuel usage is difficult to calculate for an entire days worth of work. The numbers shown represent the fuel usage per minute of actual heating time. Ray-Tech equipment can achieve an unmatched 6 - 8 minute heating time, so calculating usage in minutes has proven more meaningful than in hours.	Mini Tech	0.040	0.165
	Holding	0.3	1.1				
RC6000	Reclaiming	0.7	2.6		Mini Tech X	0.065	0.273
	Holding	0.3	1.2				
RC8000	Reclaiming	0.9	3.5		Mini Fusion	0.027	0.110
	Holding	0.4	1.6				
RC2-T	Reclaiming	0.6	2.5		Mini Fusion X	0.040	0.165
	Holding	0.3	1.1				
RC3-T	Reclaiming	0.7	2.6		Fusions	0.052	0.218
	Holding	0.3	1.2				
RC4-T	Reclaiming	0.9	3.5		Tech 20	0.065	0.273
	Holding	0.4	1.6				
RC5-T	Reclaiming	1.2	4.9		Tech 36	0.130	0.547
	Holding	0.6	2.2				
RC6-T	Reclaiming	1.2	4.9		Tech 48	0.142	0.600
	Holding	0.6	2.2				
RC7-T	Reclaiming	1.7	7		Tech 78	0.213	0.900
	Holding	0.8	3.1				
RC8-T	Reclaiming	1.7	7		Tech 78 M	0.142	0.600
	Holding	0.8	3.1				
RC9-T	Reclaiming	2.1	8.6		Tech 108	0.078	0.328
	Holding	1	3.8				
RC10-T	Reclaiming	2.1	8.6		Combos	0.142	0.600
	Holding	1	3.8				
RC11-T	Reclaiming	2.1	8.6		TMV's	0.142	0.600
	Holding	1	3.8				
RC12-T	Reclaiming	2.4	10	Reclaimers (Diesel)			
	Holding	1.1	4.7				
RC13-T	Reclaiming	2.4	10	All Ray-Tech Diesel Reclaimers use the same burner and .75 nozzle (.75 GPH rating).			
	Holding	1.1	4.7				
RC14-T	Reclaiming	2.8	11.9	Based on the same run time as our propane models, fuel consumption will average the following:			
	Holding	1.3	5.5				
RC15-T	Reclaiming	2.8	11.9	Reclaiming .5625 Gal / Hour			
	Holding	1.3	5.5				
Mini Combo	Reclaiming	0.6	2.5	Holding .25 Gal / Hour			
	Holding	0.3	1.1				
3 Ton Combo	Reclaiming	0.8	3.1				
	Holding	0.4	1.4				
4 Ton Combo	Reclaiming	0.8	3.1				
	Holding	0.4	1.4				
2 Ton TMV	Reclaiming	0.6	2.5				
	Holding	0.3	1.1				
3 Ton TMV	Reclaiming	0.8	3.1				
	Holding	0.4	1.4				
4 Ton TMV	Reclaiming	0.8	3.1				
	Holding	0.4	1.4				
6 Ton TMV	Reclaiming	1.2	4.9				
	Holding	0.6	2.2				

## Note on Propane Transportation

Federal law allows you to haul 1,000 lbs of propane (LP) gas (including tank weight) without the need for HAZMAT placarding. Machines carrying 1,001+ lbs requires placards and a CDL endorsement.

*Ray-Tech has designed all standard models to have under 1,000 lbs on each unit. This was done to keep under the HAZMAT regulations as well as to keep each machine from requiring a CDL driver unless weights require it.*

***Efficiency should never be judged by a product's capacity to consume fuel, but rather on the ability to make the best use of the fuel it consumes. Ray-Tech equipment will give you the highest heat output and best overall heating and reclaiming results per gallon consumed!***

### Warranty Information

**This warranty covers all Ray-Tech Infrared equipment models for the original owner.**

• Ray-Tech manufactured parts overall.	<b>2 Years</b>
• Ray-Tech manufactured winches.	<b>10 Years</b>
• Ray-Tech manufactured reclaimer hoppers (warranted for burnouts).	<b>10 Years</b>
• Ray-Tech manufactured trailer frames.	<b>5 Years</b>
• Ray-Tech manufactured heating converters (in heating chambers).	<b>5 Years</b>
• Ray-Tech manufactured inconel grids (in heating chambers).	<b>6 Months</b>
• Non-Ray-Tech manufactured blower motors.	<b>1 Year *</b>
• Non-Ray-Tech manufactured batteries.	<b>Pro-rated</b>
• Non-Ray-Tech manufactured tires.	<b>Pro-rated</b>
• Non-Ray-Tech manufactured electrical components.	<b>Limited 60 Days</b>

*\* Pending return to Ray-Tech and evaluation by manufacturer.*

### Conditions

During the warranty period, Ray-Tech Infrared will repair or replace defective parts at its sole discretion. Ray-Tech Infrared's obligation under this warranty is limited to the above and does not apply to replacement or repairs which are required as a result of improper installation, misuse, maladjustment, abnormal operating conditions or lack of routine maintenance. Parts damaged by misuse, negligence or accidents are excluded from this warranty.

All other warranties expressed, implied or statutory are hereby excluded and disclaimed to the extent that they exceed the warranties granted herein. In no event shall Ray-Tech be liable for consequential or incidental damages. No agreement extending this warranty shall be binding upon Ray-Tech unless in writing and signed by Ray-Tech's duly authorized officers or representatives.

To maintain this warranty, the purchaser must perform maintenance and inspections as prescribed in the routine maintenance chart in the equipment manual. This shall include prompt replacement or repair of worn or consumable parts and other such necessary repairs as may be required according to the use of the equipment. Disassembly of parts, other than that covered in the user manual, may void this warranty.

### Product Information

- Individual product brochure PDF files can be downloaded from [raytechinfrared.com](http://raytechinfrared.com) by finding the model through the "Equipment" tab on the main menu.
- For user manuals, go to [raytechinfrared.com](http://raytechinfrared.com) and click the link titled "User Manuals" on the bottom of any page. There are two PDF files available: "Heater Manual" covers any heater or combination model and "Reclaimer Manual" covers any reclaimer or combination model.

### Financing

Ray-Tech does not offer financing directly, but does offer several recommended financing sources. To find out about financing options, please contact either your dealer or a Ray-Tech representative. You may qualify for special financing promotions that are available including deferred payments, low rate offers, etc.

### Product Pricing

Pricing for equipment and/or options is available through your local Ray-Tech dealer. In the event you do not have a dealer in your area, please contact Wes Van Velsor or Jeff LeClair at Ray-Tech directly.



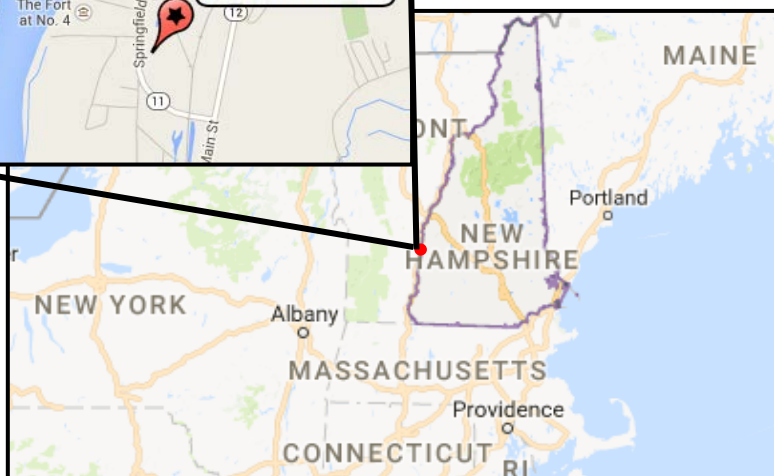
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rick@raytechinfrared.com (603) 826-3416**Proud Member of****NATIONAL ASPHALT  
PAVEMENT ASSOCIATION****Dealership Opportunities Available**

Ray-Tech Infrared is continuing to expand our dealership network across the United States. If you have an interest in offering reclaimers or heaters to your customers, contact Jeff LeClair today!

***The Most Trusted Name In Infrared Since 1989!***



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