



## Rinnai Vent-Free Fan Convector

Efficient Supplemental Heating for Homeowners



**Rinnai**®

# MORE HEAT. LESS FUEL. MORE SAVINGS.

For rooms that are hard to heat, Rinnai Vent-Free Fan Convector are the perfect solution. They incorporate a convection fan that evenly distributes warm air throughout the space, providing comfort even in faraway corners. Temperature output control maintains efficiency when heat isn't needed. By eliminating vents or ducts, places where heat typically gets lost, virtually all the warm air gets delivered to the room—making for a solution that's 99.9% efficient. In fact, the **Rinnai Vent-Free Fan Convector is one of the most fuel-efficient heating products on the market today.** Utilizing either natural gas or liquid propane fuel, it can significantly reduce energy bills.

## Flexible, easy installation

With no vents or ducts, installation can be easily done in a variety of locations.

## On-board diagnostics

Quickly trouble-shoot and repair each system with on-board diagnostics.



## Whole-room comfort

Designed to evenly distribute warm

We designed the Rinnai Vent-Free Fan Convector with families in mind. Simple and efficient, with safety features integrated into the technology:

- Cool-touch cabinet**  
 While comfortably heating the space, the exterior remains cool to the touch.
- Tilt switch**  
 The gas supply will automatically be disabled in the event the heater is knocked over. At the same time, the fan will continue to run to cool internal parts.
- Flame failure protection**  
 If the burner flame goes out, the heater will automatically shut itself off and discontinue all operations.
- Power failure protection**  
 The gas supply will be shut off automatically in the event of a power loss.
- Oxygen Depletion Sensor (ODS)**  
 The model automatically shuts off if inadequate oxygen levels are detected.
- Control panel lock**  
 A control panel locking feature allows you to lock controls to prevent unintended operation—especially by children.
- Overheat switch**  
 A safeguard that monitors operating temperatures and automatically shuts the system down if temperatures exceed predetermined levels, preventing damage to system components.
- Fuse protection**  
 Protect your model's electrical system with a 5-amp fuse.

## MODEL CHART AND SPECIFICATIONS

| VENT-FREE FAN CONVECTORS                |   |              |   |              |
|---|---|--------------|---|--------------|
|   |  |              |  |              |
| Model                                   | FC510 (RCE-391A-H)  |              | FC824 (RCE-691TA-H)   |              |
| Color                                   | OFF-WHITE   |              |   |              |
| Gas Type                                | NG  | LP           | NG  | LP           |
| Input Range (Btu) (Low/High)            | 5,500 / 10,000  | 5,600/10,000 | 8,400/24,000  | 8,000/22,000 |
| AFUE Rating                             | 99.9%   |              | 99.9%   |              |
| Fan cfm Output (Low/High)               | 67.8 / 97.8   |              | 109.5 / 215.4   |              |
| Dimensions (w,h,d) (mm)                 | 19.2 x 19.4 x 9.6 (487.7 x 492.76 x 243.84)   |              | 24 x 19 x 9.4 (609.6 x 486.20 x 238.70)   |              |
| Shipping Weight (lbs/kg)                | 22.1 lbs / 10 kg  |              | 26.5 lbs / 12 kg  |              |
| Power Consumption (Electronic Ignition) | 19 Watts  |              | 29 Watts  |              |
| Standby Power Consumption               | N/A   |              | N/A   |              |
| Noise Level db(a)                       | 28–38   |              | 30–44   |              |
| Total Extended Vent (ft/m)              | N/A   |              | N/A   |              |
| Total Vertical Vent (ft/m)              | N/A   |              | N/A   |              |
| Certifications                          | CSA for U.S. only   |              | CSA for U.S. only   |              |
| Warranty*                               | 3 Years on Parts  |              |   |              |
| Altitude Approved (ft)                  | 5,200   |              | 5,200   |              |

\* For complete information and details regarding Rinnai's warranty, please visit [rinnai.us](http://rinnai.us). Check local code requirements for vent-free products



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