

Make Every Room In Your Home
WARM AND COMFORTABLE
With Rinnai Heating Solutions.



SUPPLEMENTAL HEATING SOLUTIONS

Rinnai[®]

Home heating...

HERE, THERE AND EVERYWHERE.





In some homes, all rooms aren't created equal – especially when traditional heating sources may not provide the desired level of comfort and warmth. That's where Rinnai's supplemental heating solutions come in.

The advanced technology of our Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces turn hard-to-heat areas into personal comfort zones, bringing precise, cost-effective warmth to room additions, sun rooms, basements or even your whole home. Simple to install, easy to program, Rinnai gives you exactly what you're looking for: an energy-efficient source of enhanced comfort that perfectly fits the spaces you love and the life you live. Relax, knowing that nearly 100 years of engineering, quality and confidence go into every product we make.

At Rinnai, we create all of our products to deliver the kind of performance that makes you comfortable on every level. That means you can count on Rinnai's supplemental heating solutions to give you cozy contentment that goes beyond warmth, all the way to unparalleled peace of mind and efficiency.

Get comfortable with Rinnai, a name trusted by pros and homeowners alike. And start enjoying every room in your home.

A WARM WELCOME IN EVERY ROOM.

The Rinnai EnergySaver[®] Direct

Consistent warmth that transforms any space.

Looking for a cost-effective heating solution for nearly any living space, or even your whole home? Now you've found it. Rinnai EnergySaver[®] Direct Vent Wall Furnaces' advanced heating technology puts you in control of your comfort throughout every part of any room, completely and efficiently.

Consistent, even heating: Unique technology monitors room temperature, adjusting within seconds to maintain the pre-set temperature. So, your room stays consistently comfortable without big temperature swings.

Reduced cold spots: A variable-speed blower circulates warm air evenly throughout the room, for consistent warmth – even in corners. So it's never too cool at the floor or too warm up higher.

Quality and reliability that deliver peace of mind.

Beyond comfort, we build confidence into every product we make. Our commitment to your peace of mind is proven in the way we design and test our EnergySaver[®] Direct Vent Wall Furnaces.

Our reliable, low-maintenance products feature a durable stainless steel heat exchanger and the assurance of proven engineering. With Rinnai's experienced support and a 10-year heat exchanger warranty*, you can depend on years of comfort and warmth.

Other features to ensure performance you can trust:

Onboard diagnostics: Onboard self diagnostics ensure your unit is performing optimally and simplifies troubleshooting if maintenance or service is needed.

Auto restart: In case of gas or power outages, the unit automatically resumes normal operation as soon as possible following the outage.

Cool-touch cabinet: Even while heating your space, the cool-to-the-touch cabinet keeps you and your family safe.

Control panel lock: The control panel locking feature prevents unintended operation – especially by children.

*See Owner's Manual for complete warranty details.



Vent Wall Furnace



Efficient choices that save you money.

With a Rinnai EnergySaver® Direct Vent Wall Furnace, you'll be as comfortable with your energy bill as you are with your room temperature. Our technology uses only the exact amount of gas needed, optimizing energy efficiency. With multiple models, we have just the right size and configuration to complement your existing heating system.

Save energy – and money: Rinnai's unique modulating technology produces the specific level of heat needed at any given moment, responding immediately to even the smallest temperature changes.

Automatically manage room temperature: The easy-to-use programmable thermostat lets you automatically operate your unit at the optimum temperature, even when you're away. Set your unit to operate at a comfortable temperature while you're home, then automatically adjust to a lower setting when you're gone.

Customized comfort: Tailor supplemental or zone heating to your usage, habits and needs, for the most comfort in the most efficient way.

Complement existing heating: Rinnai EnergySaver® Direct Vent Wall Furnaces come in multiple sizes and can be used in a variety of configurations. That means you can supplement existing heating systems in the way that best suits your installation needs.

Fast installation: No ductwork means quicker installation.

Don't just save energy. Save time.

Your time is precious. So, at Rinnai, we designed our EnergySaver® Direct Vent Wall Furnaces to save you time right from the start. Quick, professional installation allows you to start enjoying more comfort – sooner. Versatile venting options even give you the luxury of placing your unit in a variety of locations.

Easy to get started: With flexible venting placement, your unit can be positioned along almost any exterior wall. Your installer can help you choose the best location and install your unit the same day.

Easy installation: Simple one-hole venting makes installation fast and straightforward. All the parts your installer needs are included in the box with your unit, and installation by a trained experienced contractor typically takes just four hours or less.

Set it and forget it: Use the programmable thermostat to set your unit based on your habits and usage, and let your Rinnai EnergySaver® Direct Vent Wall Furnace do all the work.

RINNAI ENERGYSAVER® DIRECT VENT WALL FURNACES

Accessories FOR FLEXIBLE INSTALLATION.

Rinnai EnergySaver® Direct Vent Wall Furnaces vent directly through an exterior wall, with discreet terminations only four inches in diameter. Available extension kits offer even more freedom for applications where the wall furnace isn't on the exterior wall.

VENT EXTENSION KITS					
Part Number	Extension Kit	EX11C	EX17C	EX22C/ EX22CW	ES38/ ES38W
FOT-155	12" to 20"	•			
FOT-156	21" to 40"	•			
FOT-157	61" to 80"	•			
FOT-158 ^{††}	Std Bent Elbow	•	•	•	
FOT-201 ^{†††}	Long Bent Elbow	•	•	•	NA
FOT-219	12" to 20"		•	•	
FOT-220	21" to 40"		•	•	
FOT-221	61" to 80"		•	•	
FOT-102	12" to 20"				•
FOT-103	21" to 40"				•
FOT-114	61" to 80"				•
FOT-115	Std Bent Elbow				•

^{††} Only 1 allowed. ^{†††} FOT-201 replaces FOT-190 and now includes intake hose.

CONVERSION KITS		
Part Number	Gas Type	Fits Model Number
204000033	NG	EX08C
204000037	LP	
204000034	NG	EX11C
204000038	LP	
204000035	NG	EX17C
204000039	LP	
204000036	NG	EX22C/EX22CW
204000040	LP	
204000026	NG	ES38/ES38W
204000027	LP	

EXTENSION PIPE COVER KITS (LIMITED AVAILABILITY)					
Part Number	Description	EX11C	EX17C	EX22C/ EX22CW	ES38/ ES38W
FOT-132	Manifold Cover Kit				•
FOT-133	Cover Kit				•
FOT-134	Elbow Cover Kit				•
FOT-140	Manifold Cover Kit	•	•	•	
FOT-142	Elbow Cover Kit	•	•	•	



DIRECT VENT venting.

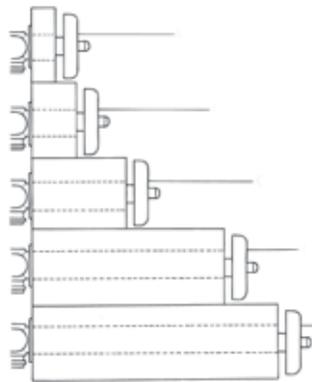


VENT TERMINATIONS		
Part Number	Description	Length (in)
FOT-150	S Vent	3 – 4.5
FOT-151*	A Vent	4.5 - 9.5
FOT-152	B Vent	9.5 - 15.75
FOT-153	C Vent	15.75 – 23.63
FOT-154	D Vent	23.63 – 31.5

*FOT-151 Standard termination, included with the unit.



Discreet Vent Terminal, only 4" in diameter.



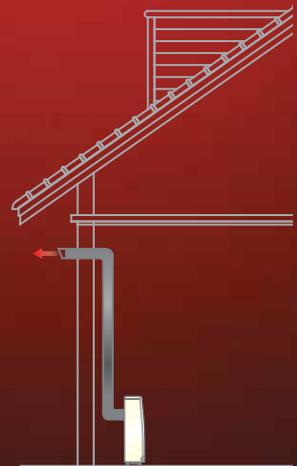
Direct,
Through-Wall
Vent Termination



Through-Wall
Vent Termination
with Extension
Kit



Through-Wall
Vent Termination
with Extension
Kit and Elbow

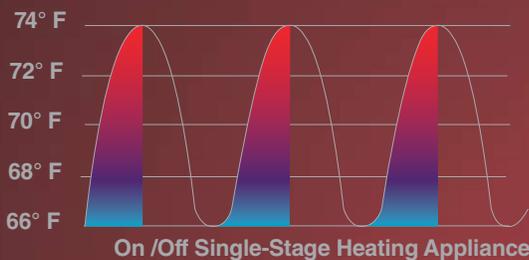


For illustration only. Please reference the Owner's Manual for installation requirements.

See how the Rinnai EnergySaver® Direct Vent Wall Furnace can work for you.

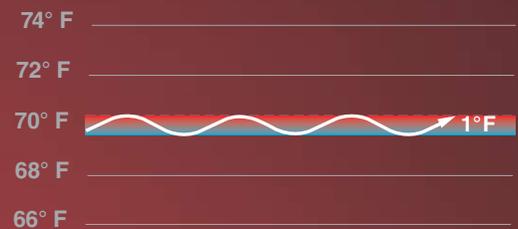
With a Rinnai EnergySaver® Direct Vent Wall Furnace, you can be assured of consistent comfort and warmth. Designed to constantly monitor room temperature, Rinnai's unique modulating technology can respond immediately to even the smallest temperature fluctuations.

SINGLE-STAGE HEATER (ON/OFF)



Traditional single-stage heating appliances have bigger swings in air temperature.

RINNAI MODULATING TECHNOLOGY



Rinnai's modulating technology responds to small temperature changes, resulting in higher levels of comfort.

HOW IT WORKS

- Constantly monitors room temperature 2" from the floor
- Consistently detects temperature changes of less than 1° F
- Within seconds, the Rinnai EnergySaver® Direct Vent Wall Furnace begins to gently heat the room
- Fan speed and BTU output increase as necessary to reach the preset temperature
- As the room reaches the desired temperature, the EnergySaver® Direct Vent Wall Furnace reduces fan speed and BTU output
- In case of a sudden influx of cold air, the EnergySaver® Direct Vent Wall Furnace automatically adjusts fan speed and BTU to quickly restore warmth to the room

Heat is distributed evenly and heat loss is minimized since Rinnai EnergySaver® Direct Vent Wall Furnaces require no ductwork.

USER-FRIENDLY CONTROL PANEL

Manage the temperature in your home with our user-friendly control panel. Simply choose a set temperature or customize heating during the day by programming the timers.



ENHANCE THE COMFORT OF THE SPACES YOU LOVE.

The Rinnai Vent-Free Fan

Experience whole-room comfort with advanced heating technology.

If you have a room or area you'd love to enjoy year-round, this is truly the answer you've been waiting for. Simple to install and use, the Rinnai Vent-Free Fan Convector allows you to get the most comfort from your space in an extraordinarily efficient way.

Convection heating: A convection fan evenly distributes warm air throughout the space, providing comfort even in faraway corners.

Programmable options: Set the desired temperatures for consistently delivered comfort.

Simple solution: Designed to be professionally installed with ease in nearly any space, it's a fast way to start enjoying more comfort.

Decrease energy bills. Increase comfort.

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 your energy bills.

No vents. No ducts: By eliminating places where heat typically gets lost, virtually all of the warm air gets delivered to the room—making for a solution that's 99.9% efficient.

Supplemental heating: Turn your room into your personal oasis with comfortably controlled temperatures specific to the space you are enjoying.

Can help reduce energy usage: With technology that regulates temperature output, the Rinnai Vent-Free Fan Convector operates in an incredibly cost-efficient manner.



Convector



Safely heating your space is a top priority.

We design the products that surround you and your family with this in mind. That's why the Rinnai Vent-Free Fan Convector is simple to use, efficient, and is built with the following safety features:

Cool-touch cabinet: While comfortably heating your space, the Vent-Free Fan Convector exterior remains cool to the touch.

Gas supply safety: The following features are designed into the Vent-Free Fan Convector for your family's safety:

- **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:** Automatically detecting the electrical power supply, the gas supply will be shut off in the event of a power loss.

Oxygen Depletion Sensor (ODS): Actively monitoring oxygen levels in the room, if inadequate oxygen levels are detected, the unit automatically shuts off.

Control panel lock: A control panel locking feature allows you to lock controls to prevent unintended operation—especially by children.

Years of comfort born out of 100 years of quality and reliability.

The Vent-Free Fan Convector is engineered to give you years of comfort and warmth with:

Onboard diagnostics: For quick troubleshooting and repair.

Overheat switch: Monitors operating temperatures and automatically shuts the system down if temperatures exceed predetermined levels, preventing damage to system components.

Fuse protection: Protects the unit's electrical system with a 5-amp fuse.

Three-year standard warranty on parts.

The Rinnai Vent-Free Fan Convector advantages.



- 1 **Easy adjustment buttons** offer a simple way to set temperature and time for desired comfort
- 2 **Digital display** shows programmable temperature and time settings
- 3 **Push-button electronic ignition** means there's no pilot light, which adds safety to the design
- 4 **Control panel lock** mode is easily activated and clearly displayed
- 5 **Cool-touch cabinet** enhances safety for everyone, especially children

Additional advantages

- Onboard self-diagnostics for easier maintenance
- Easy to install with no venting or chimney required
- 99.9% efficient for great energy savings
- Tilt switch to disable gas supply
- 3-year warranty on parts

Select the best Rinnai Vent-Free Fan Convectors for your heating needs.

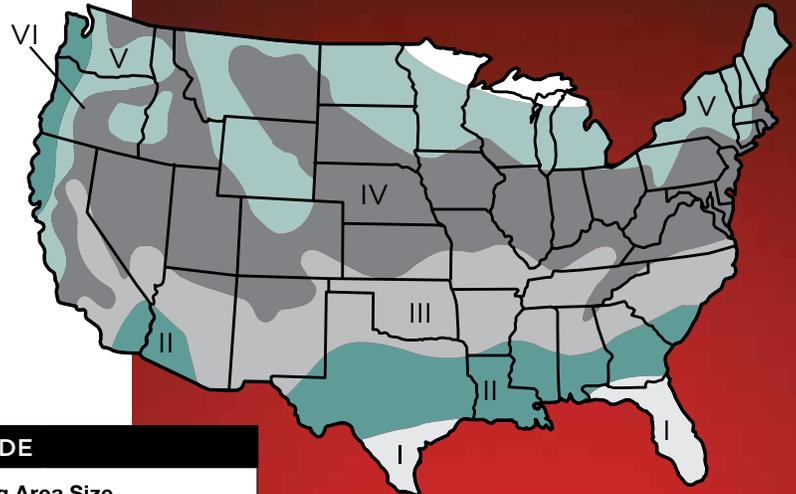
The sizing chart below is provided to help you determine which Rinnai Vent-Free Fan Convectors model is best-suited for your heating needs.

How to use the Selection Guide:

1. Calculate the volume (cubic feet) or square footage of the space that will be heated.
 - Calculate volume (in cubic feet)
Multiply the length (in feet) by the width (in feet) by the height (in feet)
 - Calculate square feet
Multiply the length (in feet) by the width (in feet)
2. Choose your location on the map and the BTU Zone.
3. Select model based on either calculated cubic feet or square feet.



National heat zones



VENT-FREE FAN CONVECTOR SELECTION GUIDE			
BTU Zone	Room Volume / Heating Area Size		Suggested Model
	Cubic Feet	Square Feet*	
I	up to 5,400	up to 675	FC510
	5,401-12,950	676-1,619	FC824
II	up to 4,500	up to 563	FC510
	4,501-10,900	564-1,363	FC824
III	up to 3,800	up to 475	FC510
	3,801-9,200	476-1,150	FC824
IV	up to 3,150	up to 394	FC510
	3,151-7,600	395-950	FC824
V**	up to 2,250	up to 281	FC510
	2,251-7,500	282-938	FC824
VI	up to 4,500	up to 563	FC510
	4,501-10,900	564-1,363	FC824

*Chart should not be used as the sole document for making final product selection. Consult with your Rinnai Independent dealer. Based on 8 ft. ceiling height. These guidelines apply to average house construction. Information based on Sizing Guidelines for Vent-Free Gas Products found on <http://www.ventfree.org>.

**In single rooms in Region V, multiply the room's volume by 3.20. The result is the maximum heat input (Btu/hr) of the product that you should consider.

NOTE: Rinnai Vent-Free Fan Convectors are intended for supplemental heating only according to the International Fuel Gas Code (IFGC) and should be used in applications as such. Some states prohibit the use of unvented heaters. Check local codes for your area to verify approval of use.

ENERGYSAVER® DIRECT VENT WALL FURNACES AND VENT-FREE FAN CO Specifications

EnergySaver® Direct Vent Wall Furnaces						
						
Model	EX08C (RHFE202FTA)		EX11C (RHFE265FTA)		EX17C (RHFE434FTA)	
Color	Beige		Beige		Beige	
Gas Type	NG	LP	NG	LP	NG	LP
Input Range (BTU) (Low / High)	3,000 / 8,000		5,500 / 11,000	5,700 / 11,000	8,200 / 16,700	
AFUE Rating	82% NG	83% LP	81% NG	82% LP	81% NG	82% LP
Fan CFM Output (Low / High)	55.5 / 82.0		69.3 / 102.5		111.3 / 137.8	
Dimensions (inches)	18.3w x 27.4h x 10.1d				29.9w	
Shipping Weight* (lbs/kg)	46 lbs / 21 kg				51 lbs / 23 kg	
Power Consumption (Electronic ignition)	41 watts		44 watts		46 watts	
Standby Power Consumption	Less than 1 watt					
Noise Level dB(A)	27 – 36		31 – 38		33 – 38	
Total Extended Vent (ft/m)	Not Allowed		Not Allowed			
Total Vertical Vent (ft/m)	Not Allowed		8 [†] / 2.4		Not Allowed	
Certifications	CSA, ICC-ES-PMG					
Warranty	10 years on the heat exchanger, 5 years on parts					

Approved for use at high altitudes up to 10,200 feet.

[†] only 5' allowed above 2000' elevation.

**Rinnai EnergySaver® Direct Vent Wall Furnaces Limited Warranty: covers defects in materials or workmanship; extends to original purchaser and subsequent transferees, while product remains at site of original installation. Reasonable labor: 2 years from date of purchase; Parts: 5 years from date of purchase; Heat exchanger: 10 years from date of purchase. Some restrictions apply. For complete limited standard warranty details, please visit www.rinnai.us.

NOTE: Rinnai Vent-Free Fan Convectors are intended for supplemental heating only according to the International Fuel Gas Code (IFGC) and should be used in applications as such. Some states prohibit the use of unvented heaters. Check local codes for your area to verify approval of use.

CONVECTORS

Vent-Free Fan Convector

							
EX22C (RHFE559FTA) / EX22CW (RHFE559FTA-W)		ES38 (RHFE1004FTA) / ES38W (RHFE1004FTA-W)		FC510 (RCE-391A)		FC824 (RCE-691TA)	
Beige / White		Beige / White		Off White		Off White	
NG	LP	NG	LP	NG	LP	NG	LP
8,200 / 21,500	8,200 / 20,700	10,500 / 38,400	10,500 / 36,500	5,500/10,000	5,600/10,000	8,400/24,000	8,000/22,000
81% NG	82% LP	80% NG	82% LP	99.9%		99.9%	
111.3 / 162.7		203.4 / 360.5		67.8 / 97.8		109.5 / 215.4	
13.1w x 22.98h x 10.1d		36.6w x 26.4h x 13d		19.2w x 19.4h x 9.6d		24w x 19h x 9.4d	
7 lbs / 26 kg		90 lbs / 41 kg		22.1 lbs / 10 kg		26.5 lbs / 12 kg	
56 watts		121 watts		25 watts		25 watts	
				N/A		N/A	
33 – 42		37 – 47		28–30		30–44	
13 / 4				N/A		N/A	
10 / 3		13 / 4		N/A		N/A	
				CSA for U.S. only		CSA for U.S. only	
3 years on labor**				3 years on parts		3 years on parts	

A tradition of **TRUE RELIABILITY.**

For nearly 100 years, we at Rinnai have been fiercely committed to delivering nothing less than a superior experience at every touch point.

Beyond manufacturing the highest quality products, our people stand behind all that we make—before, during and long after installation. From the 24/7/365 technical support for professionals, to our national network of independent installers for homeowners, to on-staff engineers who can assist with choosing the right products and sizes—we're inspiring confidence right along with the comfort our solutions provide.



Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Tank-Tankless Water Heaters, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at www.rinnai.us

Rinnai®

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