



Rinnai
HEATING SOLUTIONS

endless

heating solutions

HOME HEATING SOLUTIONS

endless

comfort and savings

With Rinnai, you can be smarter about your home's energy

At Rinnai, we design smarter home heating products that deliver superior comfort, convenience and reliability. Our solutions can truly enhance the way your family lives — from the efficient comfort of our Condensing Boilers to the small-space warmth of our Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces. Whether it's whole-house comfort, supplemental heating for nearly any room, or a single, energy-efficient source for home and water heating, you'll find that Rinnai offers an energy-efficient solution.

Rinnai EnergySaver™ Direct Vent Wall Furnaces put you in control

As a cost-effective heating solution for nearly any living space, or even the whole home, Rinnai EnergySaver® Direct Vent Wall Furnaces' advanced heating technology puts you in control of your comfort, completely and efficiently.

Rinnai Vent-Free Fan Convectors heat rooms and lower bills

For a room or area that is hard to heat, Rinnai Vent-Free Fan Convectors are the perfect solution. They can be installed practically anywhere you need them, thanks to their vent-free design. Using either natural gas or propane, they're also one of the most fuel-efficient heating products on the market. So you can enjoy more comfort and smaller energy bills.

Rinnai Condensing Boilers deliver more heating and less energy waste

Rinnai's Condensing Boilers are compact, reliable and economical. They can provide high volumes of hot water and more efficient home heating by recovering heat energy that's typically lost with traditional boilers.



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endless innovation and quality



The highest standards of quality

Rinnai employs more than 600 research and development engineers, all focused on uncompromising quality in design and manufacturing. Advanced automation and precision assembly processes have made our manufacturing facilities an industry model for efficiency. Every product undergoes a series of live testing before shipping.

All our products have been approved by the Canadian Standards Association (CSA) and adhere to the strict standards of the American National Standards Institute (ANSI). In fact, Rinnai America is one of the few providers with our own state-of-the-art Certified Testing Laboratory, including CSA accredited lab technicians. Throughout the world, our standards for quality remain unsurpassed.



100 years of innovation



For nearly 100 years, Rinnai has been fiercely committed to delivering nothing less than our absolute best. With headquarters in Japan and a network of 20 subsidiaries and 86 sales offices in 13 countries, this commitment has made us one of the world's largest gas appliance manufacturers, specializing in high-efficiency home heating solutions. Our value-added products continue to stay in step with the demands of our changing world.



endless
comfort

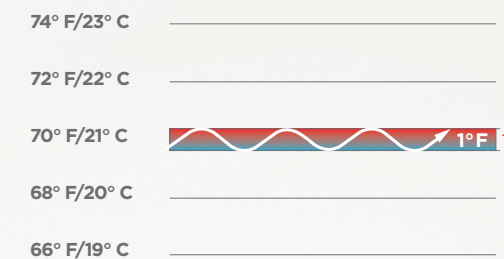
ENERGYSAVER® DIRECT VENT WALL FURNACES

Efficiency sure feels good

With a Rinnai EnergySaver® Direct Vent Wall Furnace, you'll be as comfortable with your energy bill as you are with your room temperature.

- Modulates the usage of gas, optimizing energy efficiency
- Multiple models offer just the right size and configuration to heat a whole home or complement an existing heating system
- Unique modulating technology produces the specific level of heat needed at any given moment, responding to the smallest temperature changes

RINNAI MODULATING TECHNOLOGY

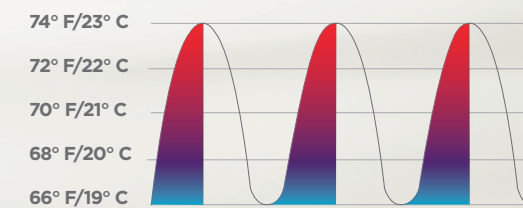


Rinnai's modulating technology responds to small temperature changes, resulting in higher levels of comfort.



EXT1CT
ENERGYSAVER®
DIRECT VENT
WALL FURNACE

SINGLE-STAGE HEATER (ON/OFF)



On/Off Single-Stage Heating Appliance.



HOW IT WORKS

- Constantly monitors room temperature 2" (5 cm) 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
- Adjusts to increase or decrease fan speed and BTU output to reach desired preset temperature
- 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 loss is minimized since Rinnai EnergySaver® Direct Vent Wall Furnaces require no ductwork

Customized heating

The easy-to-use programmable thermostat lets you automatically operate your model at the perfect temperature, even when you're away. You can set a comfortable temperature for when you're home and a lower setting for when you're gone. By adding Wi-Fi connectivity, you get even more control. You can customize supplemental or zone heating according to your family's usage, habits and needs. With multiple sizes, Rinnai EnergySaver® Direct Vent Wall Furnaces can be used in a variety of configurations. That's the kind of flexibility that brings added efficiency.



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.

Quick, flexible installation

With Rinnai EnergySaver® Direct Vent Wall Furnaces, no ductwork means quick installation, while flexible venting placement allows positioning along almost any outside wall.

EX17CT
ENERGYSAVER®
DIRECT VENT
WALL FURNACE



endless

peace of mind



We designed the Rinnai Vent-Free Fan Convector with your family 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 and power failure protection**
If the power or the burner flame goes out, the heater will automatically shut itself off and discontinue all operations.

- **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.

FC510
VENT-FREE FAN CONVECTOR



VENT-FREE FAN CONVECTORS

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.** Using 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.

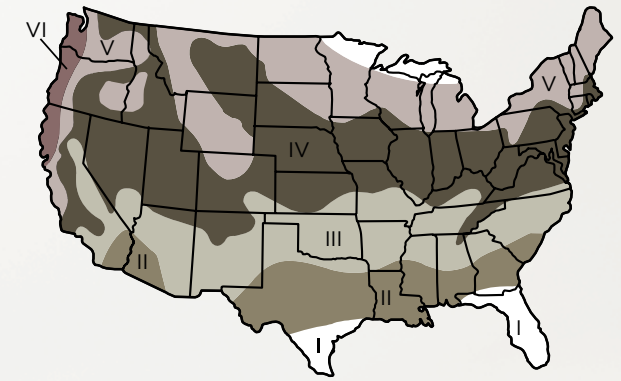
Onboard diagnostics

Quickly trouble-shoot and repair each system with onboard diagnostics.



MODEL CHART AND SPECIFICATIONS DIRECT VENT WALL FURNACES

MODEL CHART AND SPECIFICATIONS VENT-FREE CONVECTORS



ENERGYSAVER® DIRECT VENT WALL FURNACES

	EX08CT (RHFE-202FTA)		EX11CT (RHFE-265FTA)		EX17CT (RHFE-434FTA)		EX22CT (RHFE-559FTA) / EX22CTW (RHFE-559FTA-W)		EX38CT (RHFE-1005FTA) / EX38CTW (RHFE-1005FTA-W)		FC510 (RCE-391A-H)		FC824 (RCE-691TA-H)			
MODEL	EX08CT (RHFE-202FTA)		EX11CT (RHFE-265FTA)		EX17CT (RHFE-434FTA)		EX22CT (RHFE-559FTA) / EX22CTW (RHFE-559FTA-W)		EX38CT (RHFE-1005FTA) / EX38CTW (RHFE-1005FTA-W)		FC510 (RCE-391A-H)		FC824 (RCE-691TA-H)			
COLOR	BEIGE		BEIGE		BEIGE		BEIGE		BEIGE/WHITE		OFF-WHITE		OFF-WHITE			
GAS TYPE	NG	LP	NG	LP	NG	LP	NG	LP	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		8,200 / 21,500	8,200 / 20,700	13,200 / 38,400	13,200 / 36,500	5,500 / 10,000	5,600 / 10,000	8,400 / 24,000	8,000 / 22,000		
DIMENSIONS (W,H,D) (mm)	18.3 X 27.4 X 10.1 (464.8 X 695.96 X 256.54)		18.3 X 27.4 X 10.1 (464.8 X 695.96 X 256.54)		29.9 X 22.9 X 10.1 (759.4 X 581.6 X 256.54)		29.9 X 22.9 X 10.1 (759.4 X 581.6 X 256.54)		36.6 X 26.4 X 13 (929.6 X 670.5 X 330.2)		19.2 X 19.4 X 9.6 (487.6 X 492.7 X 243.8)		24 X 19 X 9.4 (609.6 X 482.6 X 238.76)			
POWER CONSUMPTION (ELECTRONIC IGNITION)	41 WATTS		44 WATTS		46 WATTS		56 WATTS		117 WATTS		19 WATTS		29 WATTS			
NOISE LEVEL dB(A)	27 - 36		31 - 38		33 - 38		33 - 42		39 - 46		28 - 38		30-44			
WARRANTY*	10 YEAR HEAT EXCHANGER, FIVE YEARS ON PARTS, 2 YEARS ON LABOR										3 YEARS ON PARTS					
ALTITUDE APPROVED (FT)					10,200								5,200		5,200	
VENTING OPTION					CONCENTRIC								N/A		N/A	

*For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

VENT-FREE FAN CONVECTOR AND DIRECT VENT SELECTION GUIDE

BTU ZONE	ROOM VOLUME / HEATING AREA SIZE		
	MODEL	CUBIC FEET	SQUARE FEET*
I	FC510	UP TO 5,400	UP TO 680
	FC824	5,401 - 13,000	681 - 1,600
	EX08CT	UP TO 3,500	UP TO 440
	EX11CT	3,501 - 4,800	441 - 600
	EX17CT	4,801 - 7,300	601 - 910
	EX22CT	7,301 - 9,400	911 - 1,180
II	EX38CT	9,401 - 16,600	1,181 - 2,080
	FC510	UP TO 4,500	UP TO 560
	FC824	4,501 - 10,900	561 - 1,400
	EX08CT	UP TO 3,000	UP TO 380
	EX11CT	3,001 - 4,100	381 - 510
	EX17CT	4,101 - 6,100	511 - 760
III	EX22CT	6,101 - 7,900	761 - 990
	EX38CT	7,901 - 14,000	991 - 1,750
	FC510	UP TO 3,800	UP TO 480
	FC824	3,801 - 9,200	481 - 1,200
	EX08CT	UP TO 2,500	UP TO 310
	EX11CT	2,501 - 3,400	311 - 430
IV	EX17CT	3,401 - 5,200	431 - 650
	EX22CT	5,201 - 6,700	651 - 840
	EX38CT	6,701 - 11,800	841 - 1,480
	FC510	UP TO 3,200	UP TO 400
	FC824	3,201 - 7,600	401 - 1,000
	EX08CT	UP TO 2,100	UP TO 260
V**	EX11CT	2,101 - 2,800	261 - 350
	EX17CT	2,801 - 4,300	351 - 540
	EX22CT	4,301 - 5,500	541 - 690
	EX38CT	5,501 - 9,800	691 - 1,230
	FC510	UP TO 2,600	UP TO 330
	FC824	2,601 - 6,200	331 - 800
VI	EX08CT	UP TO 1,700	UP TO 210
	EX11CT	1,701 - 2,300	211 - 290
	EX17CT	2,301 - 3,500	291 - 440
	EX22CT	3,501 - 4,500	441 - 560
	EX38CT	4,501 - 8,000	561 - 1,000
	FC510	UP TO 4,500	UP TO 560
VI	FC824	4,501 - 10,900	561 - 1,400
	EX08CT	UP TO 3,000	UP TO 380
	EX11CT	3,001 - 4,100	381 - 510
	EX17CT	4,101 - 6,100	511 - 760
	EX22CT	6,101 - 7,900	761 - 990
	EX38CT	7,901 - 14,000	991 - 1,750

* 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.

** 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.

CONDENSING BOILERS

Comfort you can count on

Whether it's consistent heat throughout a home, pleasant humidity levels, or continuous hot water, **Rinnai's line of Condensing Boilers keeps comfort coming with unparalleled reliability and efficiency.** With a wide range of options for both existing homes and new construction, you'll find that Rinnai Condensing Boilers feature performance you can rely on for years and years.

Quality from the inside out

With over 100 years of superior engineering and safety at every level, Rinnai's quality is evident throughout our boiler construction. For example, our stainless steel heat exchanger has **industry-leading performance and durability backed by a 12-year warranty***.



Efficient warmth, steady savings

Conventional heating systems waste energy through heat loss vented into the atmosphere. Rinnai Condensing Gas Boilers are designed to recover heat energy that's discharged into the flue and return it to the heat exchanger for maximum efficiency. Thanks to Rinnai's advanced technology, our condensing boilers **were awarded the ENERGY STAR® Most Efficient mark in 2016 with up to 95-5% AFUE (Annual Fuel Utilization Efficiency).**

Easy to install

We offer 10 models to provide a wide range of options for both existing homes and new construction. With each model you'll find **reduced space requirements compared to traditional boilers.** Plus, our multiple venting options allow for installation in a variety of locations.

"The Rinnai boiler has been an excellent addition. The user-friendly programming features ensure that my house is always at the temperature I want it."

- NICK C., HOMEOWNER

E Series

These compact, wall-mounted designs can be easily installed as a retro-fit application to replace traditional, less efficient boilers. Our E Series Combi models have the power to deliver whole-house heating and domestic hot water for homes with one to two bathrooms.



Q Series

Unparalleled comfort and efficiency along with ease of installation and serviceability make the Q Series Boilers ideal for use in homes or light commercial applications. Q Series Boilers offer whole-house heating or heating plus hot water.



Q Premier Series

The perfect option for replacement or new construction, this complete, fully assembled space-saving floor-standing solution features a boiler and tank all in one.

"I was pleasantly surprised at how much my gas bill decreased during the winter months compared to the previous year and my old system."

- ANNE G., HOMEOWNER



*Visit rinnai.us for more information.



Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at:

rinnai.us | rinnai.ca

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Local, state, provincial, federal and national fuel gas codes must be adhered to prior to and upon installation.