



Rinnai[®]

DIRECT VENT WALL FURNACES A NEW APPROACH TO HEATING

ENERGY-EFFICIENT DIRECT VENT WALL FURNACES



intelligent heating solutions...

When winter sets in there are certain rooms that get used less because of cold spots. But with the consistent and even heat provided by a Rinnai Wall Furnace, you can enjoy comfortable heat anywhere all winter long. Rinnai wall furnaces are efficient and easy to install. And the innovative cool-to-the-touch cabinet makes it safe for the whole family.



MODELS ES08 / ES11
(ideal output for smaller areas)



MODEL ES17 / EX17
(ideal output for mid-sized areas)



MODEL ES22 / EX22
(ideal output for mid to larger-sized areas)



MODEL ES38
(ideal output for larger areas)

Up to 83% Efficient Stainless Steel Heat Exchanger

The Rinnai direct vent wall furnace's reputation lies in its ability to extract up to 84% AFUE efficiency through the use of a stainless steel heat exchanger, which adds many years of comfort. Just imagine, no heat loss from leaky ducts.

Advanced Safety Features

- "Cool-to-the-touch" cabinet
- Sealed combustion - protects indoor air quality
- Flue block - furnace automatically shuts down
- Child safety lock
- Electronic ignition — no pilot light
- Wind tunnel tested venting systems
- Digital, adaptive control
- On board self-diagnostics for easier maintenance
- Earthquake-proof tilt-switch
- Each furnace passes a rigorous battery of factory tests to test efficiency and benefits.

Innovative Modulating Gas Valve and Blower

- Modulating blower and gas valve automatically adjust to individual heating needs, providing comfortable consistent temperature from ceiling to floor.
- Furnace operates as quiet as a whisper

Product Applications

Enjoy comfortable heat in any type of:

- Room Addition or Sunroom
- Multifamily Housing
- Basement Remodel
- Condo or Loft
- Cabin, Lake or Vacation Home
- Electric-to-Gas Conversion Project
- High altitude
- Manufactured housing



SMART COMFORT...



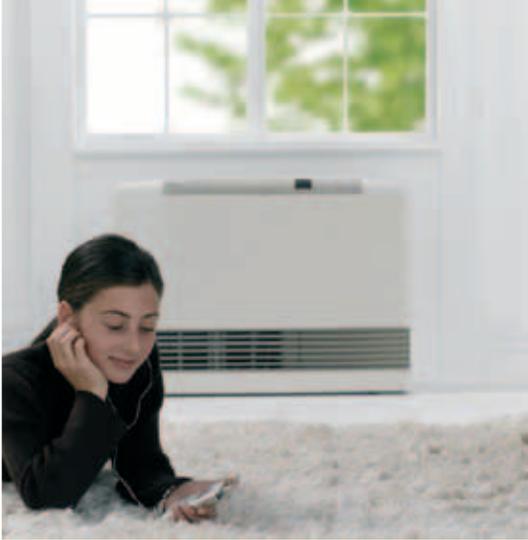
TRADITIONAL VS. RINNAI APPROACH TO HEATING

The Traditional Approach

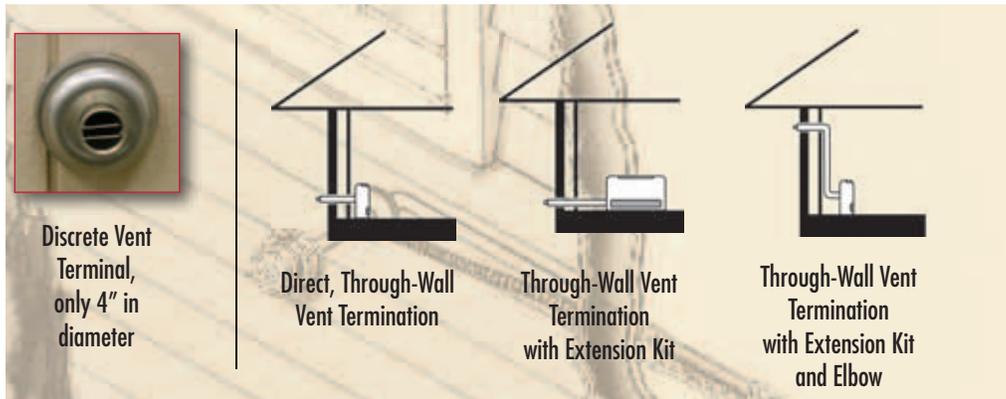
- High operating costs
- Large fluctuations in room temperature
- Slow response to thermostatically controlled heat settings
- Poor distribution of the heat provided

The Rinnai Approach

- Energy-efficient and economical zone or whole-house heating
- Thermistor enables furnace to register and quickly adapt to small temperature changes
- Heat supplied only as needed; effectively circulated through living space



Installation and Venting Examples



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

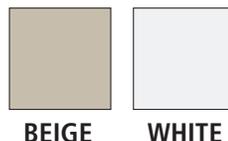
VENT TERMINATIONS

Part Number	Description
FOT-150	S Vent (3" - 4 1/2")
FOT-151	A Vent (4 1/2" - 9 1/2")
FOT-152	B Vent (9 1/2" - 15 3/4")
FOT-153	C Vent (15 3/4" - 23 5/8")
FOT-154	D Vent (23 5/8" - 31 1/2")

Product Warranty

- 10 years on the heat exchanger
- 5 years on parts
- 2 years on labor

NOTE: Please visit local dealer showroom to view actual color representation of product. The ES38 & EX22 models are available in beige and white.



HOW IT WORKS

The Thermistor

- Designed to accurately monitor room temperature at 2" off the floor
- Capable of detecting temperature changes as little as half of a degree

Rinnai Response

- Within 10 seconds, the Rinnai furnace begins to gently heat the room at low fan speed
- It increases fan speed and BTU output if necessary to achieve set temperature
- Once desired temperature is achieved, the unit shuts off and goes into stand-by mode

Room Monitoring

- As the temperature of the room gradually drops, the wall furnace restarts and gradually warms the room back to the set temperature
- If there is a sudden injection of cold air, the unit automatically adjusts fan speed and BTUs to quickly restore the set temperature

PRODUCT SPECIFICATIONS

Model Number	Gas Type	Input Range (BTU) (Low/High)	AFUE Rating	Fan CFM Output (Low / High)	Dimensions (W x H x D)	Wt. (lbs.)*
ES08 (RHFE-201-RFA) Beige only	NG	3,000 / 8,000	80.6%	48.3 / 78.6	16 3/4" x 26 5/8" x 9 7/8"	39
	LP		83.4%			
ES11 (RHFE-263-RFA) Beige only	NG	5,500 / 11,000	80.0%	96.4 / 128.5	16 3/4" x 26 5/8" x 9 7/8"	37
	LP					
ES17 (RHFE-433-RFA) Beige only	NG	8,200 / 16,700	81.0%	110.5 / 141.3	29 1/2" x 21 13/16" x 9 7/8"	53
	LP		80.0%			
EX17 (RHFE433RWTA) Beige only	NG	8,200 / 16,700	80.0%	110.5 / 141.3	29 1/2" x 21 13/16" x 9 7/8"	51
	LP		80.8%			
ES22 (RHFE-558-RFA) Beige only	NG	8,200 / 21,500	81.0%	110.5 / 162.7	29 1/2" x 21 13/16" x 9 7/8"	53
	LP		8,200 / 20,700			
EX22 (RHFE-558-RWTA) Beige	NG	8,200 / 21,500	80.6%	110.5 / 162.7	29 1/2" x 21 13/16" x 9 7/8"	51
	LP		8,200 / 20,700			
EX22W (RHFE558RWTA-W) White	NG	8,200 / 21,500	80.6%	110.5 / 162.7	29 1/2" x 21 13/16" x 9 7/8"	51
	LP		8,200 / 20,700			
ES38 (RHFE-1004-RFA) Beige	NG	10,500 / 38,400	80.6%	110.5 / 162.7	36 5/8" x 26 3/8" x 13"	90
	LP		10,500 / 36,500			
ES38W (RHFE1004RFA-W) White	NG	10,500 / 38,400	80.6%	110.5 / 162.7	36 5/8" x 26 3/8" x 13"	90
	LP		10,500 / 36,500			

* This specification is for shipping weight.

ACCESSORIES																		
MODEL	EXTENSION KITS												COVER KITS					
	FOT-155	FOT-156	FOT-157	FOT-158	FOT-190	FOT-219	FOT-220	FOT-221	FOT-102	FOT-103	FOT-114	FOT-115	FOT-132	FOT-133	FOT-134	FOT-140	FOT-141	FOT-142
ES11	•	•	•	•	•											•	•	•
ES17 / EX17				•	•	•	•	•								•	•	•
ES22 / EX22				•	•	•	•	•								•	•	•
ES38									•	•	•	•	•	•	•			

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

FOR MORE INFORMATION ON RINNAI PRODUCTS

ADDITIONAL RINNAI LITERATURE AVAILABLE

TANKLESS WATER HEATERS
RESIDENTIAL APPLICATION



RINNAI INTELLIGENT
FIREPLACES



RINNAI HYDRONIC
AIR HANDLERS



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