

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

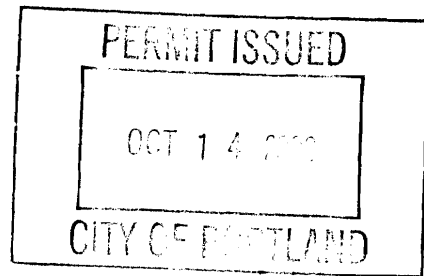
Permit No: 08-1290	Issue Date:	CBL: 310 F014001
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Location of Construction: 36 FARNHAM ST	Owner Name: BESS LISA M	Owner Address: 36 FARNHAM ST	Phone:
Business Name:	Contractor Name: Portland Plumbing & Heating	Contractor Address: 454 Ocean St South Portland	Phone: 2077997580
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R5

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Rinnia unit Heater	Permit Fee: \$30.00	Cost of Work: \$300.00	CEO District: 5
Proposed Project Description: install a Rinnia unit Heater		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: HVAC IMC 2003	
		Signature:		Signature: <i>Jm</i> 10/13/08
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: ldobson	Date Applied For: 10/10/2008	<b>Zoning Approval</b>		
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p><b>Special Zone or Reviews</b></p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>NA</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>Jm</i> 10/13/08	<p><b>Zoning Appeal</b></p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	<p><b>Historic Preservation</b></p> <input checked="" type="checkbox"/> Not in District or Landmark <input checked="" type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>Jm</i>
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**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

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<b>Permit No:</b> 08-1290	<b>Date Applied For:</b> 10/10/2008	<b>CBL:</b> 310 F014001
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<b>Location of Construction:</b> 36 FARNHAM ST	<b>Owner Name:</b> BESS LISA M	<b>Owner Address:</b> 36 FARNHAM ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Portland Plumbing & Heating	<b>Contractor Address:</b> 454 Ocean St South Portland	<b>Phone</b> (207) 799-7580
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

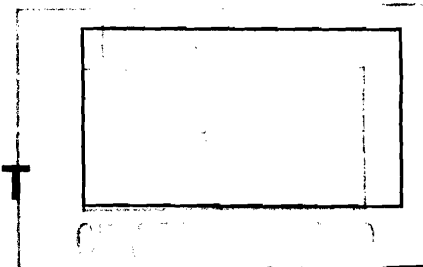
<b>Proposed Use:</b> Single Family Home - install a Rinnia unit Heater	<b>Proposed Project Description:</b> install a Rinnia unit Heater
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<b>Dept:</b> Zoning	<b>Status:</b> Not Applicable	<b>Reviewer:</b> Tom Markley	<b>Approval Date:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
<b>Note:</b>				
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Tom Markley	<b>Approval Date:</b> 10/13/2008	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
<b>Note:</b>	1) The installation must comply with the State of Maine Gas Regulations. 2) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules 3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL \_\_\_\_\_ Use of Building STUDIO Date 10/10/08  
 Name and address of owner of appliance LISA BEST FARNUM ST  
PORTLAND, ME  
 Installer's name and address JOHN HANFORD  
 Telephone 207-799-7580

**Location of appliance:**

- Basement  Floor  
 Attic  Roof

**Type of Fuel:**

- Gas  Oil  Solid

Appliance Name: Rinnit unit HEATER

U.L. Approved  Yes  No

Will appliance be installed in accordance with the manufacture's installation instructions?  Yes  No

IF NO Explain: \_\_\_\_\_

**The Type of License of Installer:**

- Master Plumber # \_\_\_\_\_  
 Solid Fuel # \_\_\_\_\_  
 Oil # \_\_\_\_\_  
 Gas # PNT-215  
 Other \_\_\_\_\_

**Type of Chimney:**

- Masonry Lined  
 Factory built \_\_\_\_\_

- Metal  
 Factory Built U.L. Listing # \_\_\_\_\_

- Direct Vent  
 Type \_\_\_\_\_ UL# \_\_\_\_\_

**Type of Fuel Tank**

- Oil  
 Gas

Size of Tank \_\_\_\_\_

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 300.00

Permit Fee: \$ \_\_\_\_\_

**Approved**

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

Signature of Installer [Signature]

**Approved with Conditions**

- See attached letter or requirement

Inspector's Signature \_\_\_\_\_

Date Approved \_\_\_\_\_

**HOME OWNER / INSTALLER  
FOR YOUR SAFETY  
THIS MANUAL MUST BE READ IN ITS  
ENTIRETY BEFORE OPERATING HEATER**



**RHFE-431FA III  
ENERGYSAVER  
GAS DIRECT VENT WALL FURNACE**



Owner's Operation and Installation Manual

**WARNING:** If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

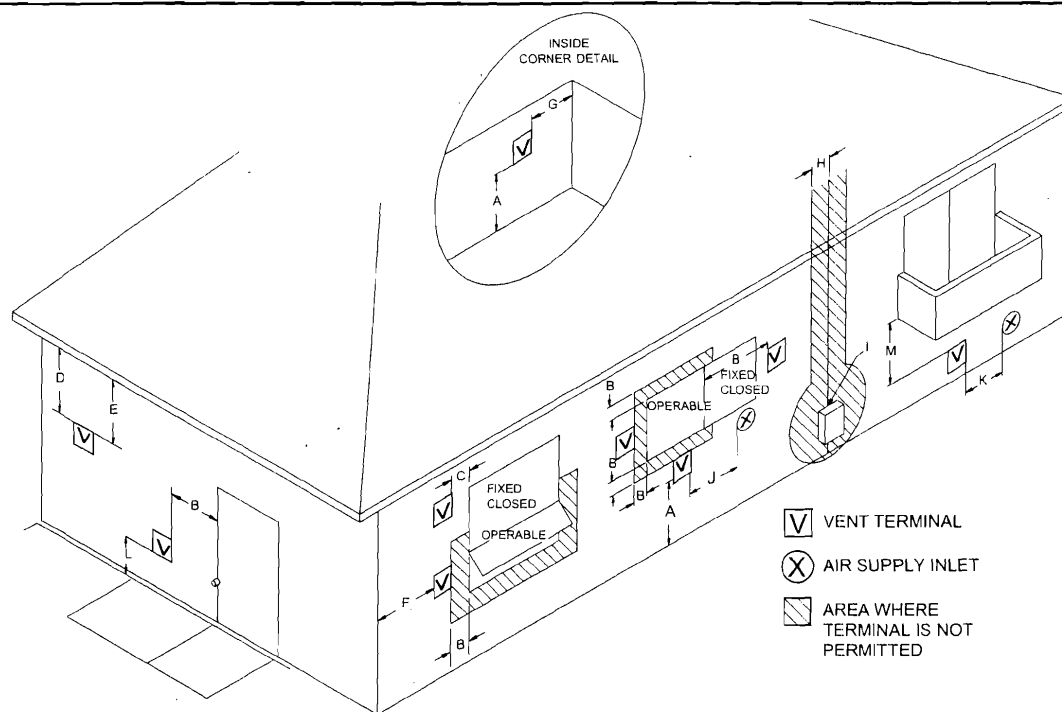
This appliance may be installed in an aftermarket, permanently located, manufactured home (USA) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

**INSTALLER:** Leave this manual with the appliance.  
**CONSUMER:** Retain this manual for future reference.

**Rinnai**<sup>®</sup>

# VENT TERMINATION CLEARANCES



REF	DESCRIPTION	U.S. Installations	Canadian Installations
A	Clearance above grade, veranda, porch, deck, or balcony	1 foot	1 foot
B	Clearance to window or door that may be opened	** 6 inches for appliances $\leq 10,000$ Btuh, 9 inches for appliances $> 10,000$ Btuh and $\leq 50,000$ Btuh, 12 inches for appliances $> 50,000$ Btuh	6 inches for appliances $\leq 10,000$ Btuh, 12 inches for appliances $> 10,000$ Btuh and $\leq 100,000$ Btuh, 36 inches for appliances $> 100,000$ Btuh
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit, eaves, or overhang	*	*
E	Clearance to unventilated soffit, eaves, or overhang	*	*
F	Clearance to outside corner	*	*
G	Clearance to inside corner	*	*
H	Clearance to each side of center line extended above meter/regulator assembly	*	3 feet within a height 15 feet above the meter/regulator assembly
I	Clearance to service regulator vent outlet	*	3 feet
J	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	** 6 inches for appliances $\leq 10,000$ Btuh, 9 inches for appliances $> 10,000$ Btuh and $\leq 50,000$ Btuh, 12 inches for appliances $> 50,000$ Btuh	6 inches for appliances $\leq 10,000$ Btuh, 12 inches for appliances $> 10,000$ Btuh and $\leq 100,000$ Btuh, 36 inches for appliances $> 100,000$ Btuh
K	Clearance to a forced air inlet into a building	3 feet above if within 10 feet horizontally	6 feet
L	Clearance above paved sidewalk or paved driveway located on public property	*	† 7 feet
M	Clearance under deck, veranda, porch, or balcony (open on 3 sides)	*	‡ 1 foot

\* For clearances not specified in ANSI Z223.1 / NFPA 54 or CAN/CGA-B149, use clearances in accordance with local installation codes and the requirement of the gas supplier.

† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

‡ Permanent only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

\*\* 4 feet for units other than Direct-Vent Appliance.

# SPECIFICATIONS

MODEL #	BTU/h		MIN. CLEARANCES			FAN CFM OUTPUT
	INPUT	OUTPUT	SIDE	TOP	FRONT	
RHFE-431FA III-N	Low 8,200	Low 6,640	2" (50mm)	10" (250mm)	40" (1m)	LO:110.5
NATURAL	High 16,700	High 13,530				HI:141.3
RHFE-431FA III-P	Low 8,200	Low 6,640	2" (50mm)	10" (250mm)	40" (1m)	LO:110.5
PROPANE	High 16,700	High 13,530				HI:141.3

## SPECIFICATIONS

Type of Appliance	Fan forced flued gas furnace
Model	RHFE-431FA III ENERGYSAVER
Dimensions	Width— (750mm) 29 1/2" Depth—(250mm with back spacer)9 13/16" (with back spacer) Height—(554mm) 21 13/16"
Weight	Approx. 51 lbs.
Connections	Electrical—AC 120V 60Hz 40 watts Gas—1/2" female NPT
Combustion System	Stainless steel bunsen burner
Ignition System	Continuous spark
Operation	Finger touch control buttons (non-lock)
Temperature Control	Electronic thermostat HI-LOW/OFF Up/down switch
Temperature Range	Modulates Continuous LOW=55°F 60°F~80°F HI=High Combustion
Warm Air Outlet	Bottom front louver
Indicators/Lamps	Burner ON, child lock, filter, economy, temperature display (8)
Operating Buttons	On, Up/down, child-lock, economy
Economy Mode	Energy saving feature
Humidifier Tray	Capacity—3 pints (1300cc)

### Safety Devices

#### Noise Level Range

TYPE	Co
	Ai
	Re
AIR SUPPLY/ EXHAUST PIPE	Wi
	Hc
	Ma
	Le

#### SPECIFICATIONS FOR V

S	(7
A	4 (11
B	9 1 (24
C	15 3 (40
D	23 5 (60

\*\* BTU - Efficiency increase v

\*\* Thermal efficiency rating d  
independently of any instal