

City of Portland, Maine - Building or Use Permit Application

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

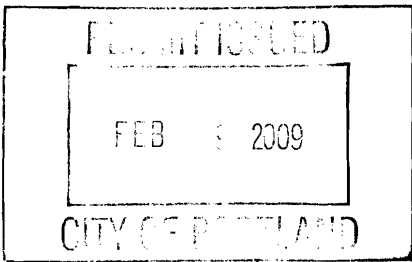
Permit No: 09-0078	Issue Date: 2/9/09	CBL: 194 C029001
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Location of Construction: 1427 CONGRESS ST	Owner Name: QUINNEY DAVID & LAI QUINN	Owner Address: 1427 CONGRESS ST	Phone: 207-797-3100
Business Name:	Contractor Name: P & P Plumbing Heating Gas	Contractor Address: 24 Caddie Lane Portland	Phone: 2077973100
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Three Family Residential	Proposed Use: Three Family Residential - Install Rinnai Natural Gas Space Heater	Permit Fee: \$40.00	Cost of Work: \$1,600.00	CEO District: 3
Proposed Project Description: Install Rinnai Natural Gas Space Heater		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type: SB IMC-2003	
		Signature:	Signature: <i>cl</i> 2/9/09	
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: lmd	Date Applied For: 02/03/2009	Zoning Approval		
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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>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: 2/9/09 <i>cl</i></p>	<p>Zoning Appeal</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 <p>Date: _____</p>	<p>Historic Preservation</p> <input 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 <p>Date: 2/9/09 <i>CSH</i></p>
	<p style="text-align: center;">O.K.</p>		



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

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

 X **Final inspection required at completion of work.**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

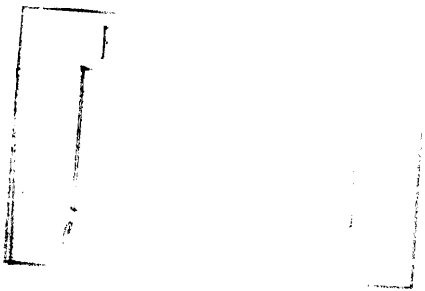
CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee

Date

Signature of Inspections Official

Date



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Business Name:	Contractor Name: P & P Plumbing Heating Gas	Contractor Address: 24 Caddie Lane Portland	Phone: (207) 797-3100
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

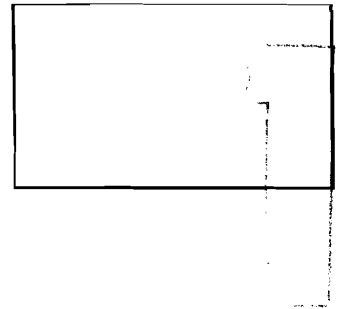
Proposed Use: Three Family Residential - Install Rinnai Natural Gas Space Heater	Proposed Project Description: Install Rinnai Natural Gas Space Heater
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Dept: Zoning	Status: Approved	Reviewer: Chris Hanson	Approval Date: 02/09/2009
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
Dept: Building	Status: Approved with Conditions	Reviewer: Chris Hanson	Approval Date: 02/09/2009
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing			
2) The appliance shall be installed in accordance with the IMC 2003 and NFPA 211			



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 101427 CINGROW STREET Use of Building APT Bldg Date FEB 2, 2009
 Name and address of owner of appliance DAVE QUINNEY, P.O. BOX 2338
SACEM, NH 03079
 Installer's name and address D&P PLUMBING HEATING GAS, 24 CADDE LAKE
PORTLAND, ME 04103 Telephone 207-797-3100

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: RINNAI #263 SPACE 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 # PMT 2534
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type FACTORY DIRECT # _____

Type of Fuel Tank

- Oil
- Gas NATURAL

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 1600.00

Permit Fee: \$ 40.

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Chut L. N.
 Inspector's Signature

2/9/09
 Date Approved

Signature of Installer Jeffrey Yankowsky

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

Type of Appliance	Direct vent wall furnace suitable for homes, apartments, and condominiums; modular/mobile home approved; forced combustion, forced convection	
Rinnai Model Number	RHFE-263FAII-N (Natural gas)	RHFE263FAII-P (Propane)
Gas Rate Input (BTU/hour)	Low - 5,500 High - 11,000	Low - 5,700 High - 11,000
Gas Rate Output (BTU/hour)	Low - 4,450 High - 8,800	Low - 4,600 High - 8,800
AFUE Rating	80%	80%
Minimum Gas Supply Pressure	3.5 in (89 mm) W.C.	8 in (203 mm) W.C.
Maximum Gas Supply Pressure	10.5 in (267 mm) W.C.	13 in (330 mm) W.C.
Electrical Connection	AC 120V, 60 Hz, 47 watts	
Gas Connection	1/2 inch FNPT	
Combustion System	Stainless steel inshot burners	
Ignition System	Direct spark	
Fan CFM Output	Low - 96.4	High - 128.5
Temperature Settings	Low (LO): minimum combustion 60° - 80° F in 2° increments (16° - 26° C in 1° increments) High (HI): maximum combustion	
Temperature Control	<ul style="list-style-type: none"> • Electronic thermostat • Temperature limiting program to comply with Inside Design Temperature limits 	
Humidifier Tray	Enameled tray with capacity of 1.5 pints (0.7 liters)	
Weight	Approximately 37 lbs (17 kg)	
Clearance from Combustibles	Side: 2 inches (50 mm) Front: 40 inches (1 m)	Top: 0 inches (0 mm)
Noise Level	31 - 38 dB(A)	
Warm Air Outlet	Bottom front louvers	

FEATURES

Seven-stage modulating gas valve:	provides precise gas flow by operating from one to seven stages
Negative coefficient thermistor:	detects temperature change in 1/2 of a degree
Variable speed inducer motor with pressure switch:	monitors and controls combustion fan and allows the appliance to overcome winds of up to 40 mph
Quiet operation:	reduces noise through use of swept blades in convection fan; and through the design of the combustion chamber and heat exchanger which silently expand or contract due to temperature changes
Self diagnostic electronics:	continually monitors functions; provides auto shutdown codes; indicates when air filter needs cleaning



Safety Devices

- Flame rod detects flame failure; results in auto shutdown to prevent escape of gas
- Bi-metal switch, thermal fuse, and thermistor detect overheat condition; results in auto shutdown
- 3 amp fuse protects against power surge; results in auto shutdown
- Abnormal spark at time of ignition results in auto shutdown
- Combustion fan purges any gas from the combustion chamber before ignition
- Convection fan continues to run after burner shutdown to cool internal parts
- Function lock prevents inadvertent operation
- Appliance shuts down if room reaches 104° F (40° C)

Venting

concentric; 3 1/8 inch (80 mm) wall hole

Maximum Vent Length

13 feet (4 m) with a maximum of 2 bends; maximum 8 feet vertically

Wall Thickness and Flue Manifold Kits
(the "A" vent kit is included with the appliance)

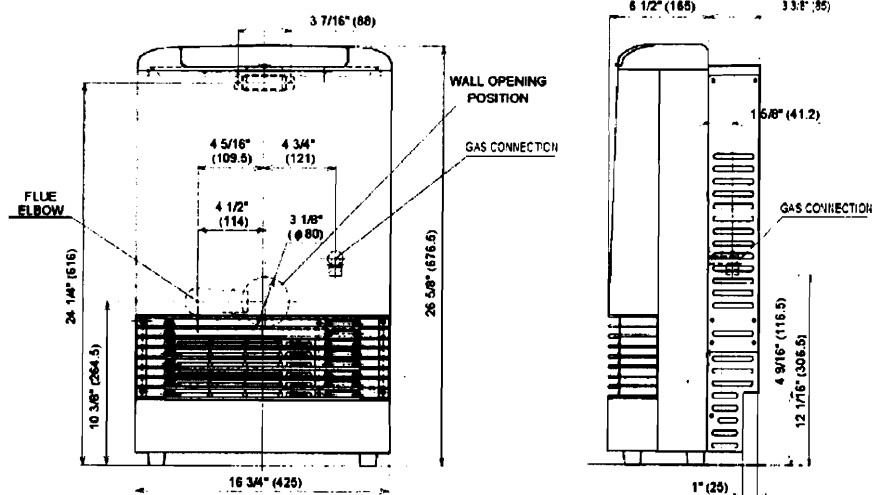
Name	Kit No.	fits walls
S Vent Kit	FOT-150	3 - 4 1/2 in (75 - 115 mm)
A Vent Kit	FOT-151	4 1/2 - 9 1/2 in (115 - 240 mm)
B Vent Kit	FOT-152	9 1/2 - 15 3/4 in (240 - 400mm)
C Vent Kit	FOT-153	15 3/4 - 23 5/8 in (400 - 600 mm)
D Vent Kit	FOT-154	23 5/8 - 31 1/2 in (600 - 800 mm)

Warranty

Labor: 2 years; Parts: 5 years; Heat Exchanger: 10 years with years 6-10 prorated

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 installation.

DIMENSIONS



SPECIFICATIONS

MODEL #	BTU/h		MIN. CLEARANCES			FAN CFM OUTPUT
	INPUT	OUTPUT	SIDE	TOP	FRONT	
RHFE-263FA-N NATURAL	Low 5,500 High 11,000	Low 4,450 High 8,800	2" (50mm)	10" (250mm)	40" (1m)	LO:96.4 HI:128.5
RHFE-263FA-P PROPANE	Low 5,700 High 11,000	Low 4,600 High 8,800	2" (50mm)	10" (250mm)	40" (1m)	LO:96.4 HI:128.5

SPECIFICATIONS

Type of Appliance	Fan forced flued gas furnace
Model	RHFE-263FA ENERGYSAVER
Dimensions	Width—16 3/4" (425mm) Depth—9 13/16" with back spacer (250mm with back spacer) Height—26 5/8" (676.5mm)
Weight	Approx. 37 lbs.
Connections	Electrical—AC 120V 60Hz 47 watts Gas—1/2" female NPT
Combustion System	Stainless steel bunsen burner
Ignition System	Continuous spark
Operation	Finger touch control buttons
Temperature Control	Electronic thermostat HI-LOW/OFF Up/down switch 2°F increments
Temperature Range	Modulates Continuous LOW=55°F 80°F~80°F HI=High Combustion
Warm Air Outlet	Bottom front louver
Indicator/Lamps	Operation/Combustion, Filter, SetTemp., RoomTemp., Economy, Function Lock.
Operating Buttons	ON/OFF, Up/down, Function-lock, Economy
Economy Mode	Energy saving feature
Humidifier Tray	Capacity—1.5 pints (700cc)

Safety Devices		Flame failure - Flame rod Over heat - Bi-metal switch, thermal fuse, thermistor Power failure - PCB Power surge - 3 Amp. fuse Fan delay - Micro computer timer Pre-purge - Combustion fan, pre-purge timer, spark sensor Room over heat - Automatic cut off at 104°F after 10 minutes	
Noise Level Range		HI~LOW=38~31dB	
TYPE	Combustion Method	Forced combustion	
	Air Supply Exhaust	Closed Type	
	Radiation Method	Forced convection	
AIR SUPPLY/ EXHAUST PIPE	Wall Penetration Hole	3 1/8" (80mm)	
	Max. Extended Length	13ft., 2 90°bends (4m, 2 90°bends)	

SPECIFICATIONS FOR VENT SIZES		
S	3"-4 1/2" (75-115)mm	Thin Walls Mobile Home
A	4 1/2"-9 1/2" (115-240)mm	Wood Walls
B	9 1/2"-15 3/4" (240-400)mm	Wood/Brick
C	15 3/4"-23 5/8" (400-600)mm	Brick/Block
D	23 5/8"-31 1/2" (600-800)mm	Special

** BTU - Efficiency increases with vent length. Clearances from combustibles (See page 3).

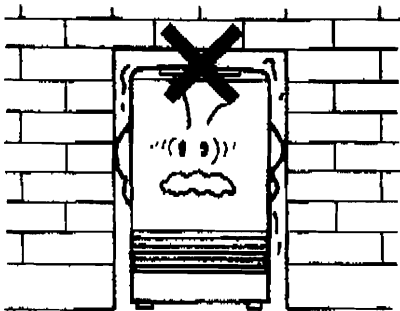
** Thermal efficiency rating determined under continuous operating conditions, and was determined independently of any installed system.

LOCATION / CLEARANCES

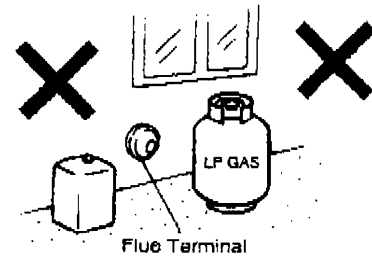
When positioning the heater, the main points governing the location are:

1. Flueing
2. Warm air distribution

This heater is not designed to be built in.

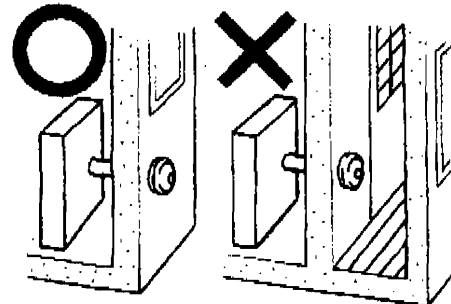
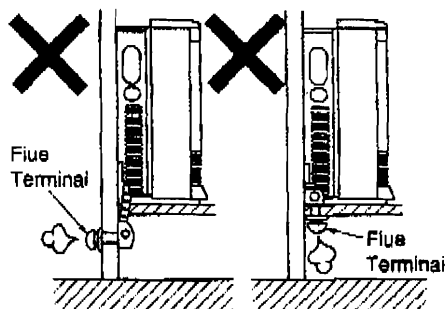


The flue terminal should be positioned away from flammable materials.



Do not flue into natural draught flues or fireplaces. This unit can only be used with one of the five types of Rinnai flue kits. Do not flue unit into other rooms. Flue terminal must be outside.

The flue is not designed to be positioned under floors, or below the level of the heater.

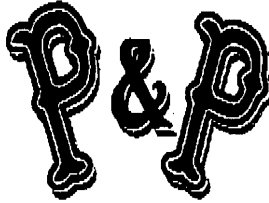


Flue may be positioned directly under opening windows, with a minimum clearance of 9" (230mm).

FLUE SIZES:

5 Flue lengths are available.

- S flue walls 3"~4 1/2" (75~115mm)
- A flue walls 4 1/2"~9 1/2" (115~240mm)
- B flue walls 9 1/2"~15 3/4" (240~400mm)
- C flue walls 15 3/4"~23 5/8" (400~600mm)
- D flue walls 23 5/8"~31 1/2" (600~800mm)



PLUMBING • HEATING • GAS

24 Caddie Lane Portland, ME 04103 Office: 207-797-3100 / Fax: 207-797-3104

FACSIMILE TRANSMITTAL SHEET

TO: Chris Hansen	FROM: Jeff Yankowsky
COMPANY: Code Enforcement, City Of Portland	DATE: 2/5/2009
FAX NUMBER: 874-8716	TOTAL NO. OF PAGES INCLUDING COVER: 5
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE: 1427 Congress street	YOUR REFERENCE NUMBER:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

Rinnai Heater specs

DIMENSIONS

FLUE MANIFOLD POSITION IMPORTANT

Before drilling the flue hole, check for water and gas pipes as well as electric cables. Use a 3 1/8" (80mm) drill for hole through the wall. Center of hole must be located exactly at specified point. See diagram. For weatherboard walls, drill through center of weatherboard from outside. Then drill from inside through plasterboard.

inches (mm)

