



Department of Permitting and Inspections

HVAC / Power Equipment Application & Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

Is this an EXACT replacement? (ie: SAME PRODUCT in the SAME LOCATION?)

If so, you do NOT need to provide any plans, etc, just the application form.

(NOTE: a final inspection is still a requirement)

- A floor plan that includes structural details, size and dimensions of the floor and location where the equipment is going to be installed. *with Building Permit on file*
- Information on how the unit is being vented & hanging details if appropriate. *Not Sure Yet!*
- Details of the specific equipment being installed; ie; specifications and any heating technical specifications. (Often this information can be obtained from the manufacturer's spec sheet or retail advertisements.)
- A plot plan showing the shape and dimension of the lot, with the distance from the actual property lines, and the principal structure, or structures, may be required if venting to the outside. *with Building Permit*
- Proof of ownership is required if it is inconsistent with the assessor's records.
- All documents as individual PDFs and named appropriately

*** All HVAC installations shall comply with applicable state and local codes. ***

Separate permits are required for plumbing and electrical installations, as required.

Separate permits are also required based on different properties
(Different Chart, Block and Lot.)

Permit Fee: \$25.00 for the first \$1000.00 construction cost, \$15.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.



Department of Permitting and Inspections

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding that this is a legal document and your electronic signature is considered a **legal signature** per Maine state law. You are also signifying your intent on paying your fees by the selections below.

1. Once the complete application package has been received by us, and entered into the system
2. You will receive an e-mailed invoice from our office which signifies that your electronic permit application and corresponding paperwork have been entered, ready for payment, to begin the process.
3. You then have the following four (4) payment options:

- provide an on-line electronic check or credit/debit card (we accept American Express, Discover, VISA, and MasterCard) payment
- call the Inspections Office at (207) 874-8703 and speak to an administrative representative to provide a credit/debit card payment over the phone
- hand-deliver a payment method to the Inspections Office, Room 315, Portland City Hall
- deliver a payment method through the U.S. Postal Service, at the following address:

**City of Portland
Department of Permitting and Inspections
389 Congress Street, Room 315
Portland, Maine 04101**

By signing below, I understand the review process starts only once my payment has been received. After all approvals have been met and completed, I will then be issued my permit and it will be sent via e-mail. ***No work shall be started until I have received my permit.***

Applicant Signature: _____

Date: _____

I have provided digital copies and sent them on: _____

Date: _____

NOTE: All electronic paperwork must be delivered to buildinginspections@portlandmaine.gov or by physical means ie; a thumb drive or CD to the office.



FILL IN AND SIGN WITH INK

Application for Heating, Ventilation, Air Conditioning (HVAC) or Power Equipment

To the Inspector of Buildings, Portland Maine:

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

Address and CBL: _____ Use of Building: MULTI CONDO Date: 8-5-16

Name & Address of Owner: NICK PENFIELD, 48 STATE ST, PORTLAND, ME 04101

Phone # of Owner: _____ Email: nick.penfield@gmail.com

Name & Address of Installer: MAINELY PLG & HTG INC.

Phone # of Installer: 207-854-4969 Email: jim@mainelyplumbing.com

Is this an EXACT replacement? (ie; SAME PRODUCT in the SAME LOCATION?)

(If so, you do NOT need to provide any plans, etc, just this form. NOTE: a final inspection is still a requirement)

<p>Location of Appliance:</p> <p><input checked="" type="checkbox"/> Basement <input checked="" type="checkbox"/> Floor <input type="checkbox"/> Wall</p> <p><input type="checkbox"/> Attic <input type="checkbox"/> Roof</p> <p>Fuel or Power Source:</p> <p><input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Solid</p> <p>Appliance Name: <u>RINNAI</u></p> <p>Name of Listed Approval Entity (ie; UL Approval):</p> <p>_____</p> <p>Will appliance be installed in accordance with the manufacturer's instructions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type of License of Installer:</p> <p>Master Plumber#: _____</p> <p>Solid Fuel : _____</p> <p>Oil #: _____</p> <p>Gas #: <u>PNT347</u></p> <p>Other: _____</p>	<p>Type of Venting: (Plan required for submittal)</p> <p><input type="checkbox"/> Masonry Lined</p> <p><input type="checkbox"/> Factory Built: _____</p> <p><input type="checkbox"/> Metal</p> <p><input type="checkbox"/> Factory Built Listing #: _____</p> <p><input checked="" type="checkbox"/> Direct Vent</p> <p>Type: _____ (ie: UL)</p> <p># of Tanks: _____</p> <p>Type of Fuel Tank:</p> <p><input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil <input type="checkbox"/> K1 <input type="checkbox"/> N/A</p> <p>Size of Tank: _____</p> <p>Distance from tank to center of flame: _____</p> <p>Cost of Work: \$ <u>3,000</u></p> <p>Permit Fee: \$ <u>55.00</u></p>
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Signature of Installer: [Handwritten Signature] **Date:** 8/5/16

Type of Appliance	Direct vent wall furnace suitable for homes, apartments, and condominiums, residential or commercial setting; modular/mobile home approved; forced combustion, forced convection	
Rinnai Model Number	RHFE-265FTA-A-N (Natural gas) RHFE-265FTA-A-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 - 4,400 High - 8,800	Low - 4,560 High - 8,800
AFUE Rating	81%	82%
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, 44 watts	
Gas Connection	1/2 inch NPT	
Combustion System	Stainless steel Bunsen burners	
Ignition System	Electronic spark ignition	
Fan CFM Output	Low - 96.4	High - 128.5
Temperature Settings	Low (LO): minimum combustion 60° - 80° F in 2° 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 (700 cc)	
Weight	Approximately 46 lbs (21 kg)	
Clearance from Combustibles	Side: 2 inches (50 mm), Top: 0 inches (0 mm), Front: 40 inches (1 m)	
Noise Level	31 - 38 dB(A)	
Warm Air Outlet	Bottom front louvers	

FEATURES

Restart capability:	restarts automatically when ignition or combustion fails
Timer Settings:	starts and turns off the heater at 2 timer settings
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
Self diagnostic electronics:	continually monitors functions; provides auto shutdown codes; indicates when air filter needs cleaning
Quiet operation:	reduces noise through use of swept blades in convection fan; quiet expansion / contraction of parts due to temperature changes

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
- Child 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 ft (2.4 m) vertically for altitudes at or below 2000 ft (610 m)
 maximum 5 ft (1.5 m) vertically for altitudes above 200 ft (610 m)

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

Conversion Kit

To natural gas: 204000034 To propane gas: 204000038

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

