

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-041:	Issue Date: APR 14 2006	CPI: 020-D011001
-----------------------	----------------------------	---------------------

Location of Construction: 44 FEDERAL ST	Owner Name: 44 FEDERAL STREET LLC	Owner Address: 4646 NORTH HERMITAGE	Phone:
Business Name:	Contractor Name: Portland Airconditioning, Inc.	Contractor Address: 205 Lincoln St. S. PORTLAND	Phone: 207-767-4567
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-7
Past Use: Multi- unit condo's	Proposed Use: Multi-unit condo's - install Rheen natural gas furnaces in basement	Permit Fee: \$687.00	Cost of Work: \$73,400.00
Proposed Project Description: install Rheen natural gas furnaces in basement <i>legal use: Seven (7) legal condominiums</i> <i>Dwelling units</i>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See Conditions</i>	INSPECTION: Use Group: R2 Type: HVAC
		Signature: <i>Greg Cuss</i>	Signature: <i>AMB 4/11/06</i>
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: Idobson	Date Applied For: 03/19/2006	Zoning Approval	
------------------------------------	--	------------------------	--

<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. 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.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>3/30/06</i>	Zoning Appeal <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:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input 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:
---	--	---	--

CERTIFICATION

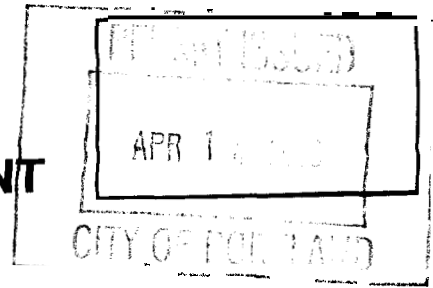
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 44 Federal Street 20 D11 Use of Building residential Date 03/29/06

Name and address of owner of appliance Ken Gan
44 Federal Street, LLC. Portland, ME

Installer's name and address Portland Airconditioning Inc
40 Manson Libby Road Scarborough, ME 04074 Telephone 207-885-1256

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

New Const -

- Gas
- Oil
- Solid

Appliance Name: Fheen

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 434
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____

Type of Fuel Tank

- Oil
- Gas

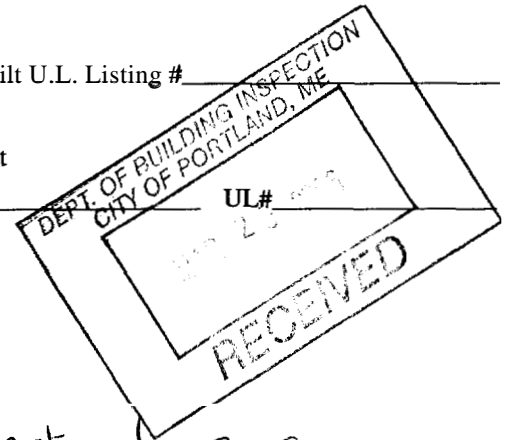
Size of Tank natural gas

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 73,400

Permit Fee: \$ _____



Approved

Fire: _____
Ele.: _____
Bldg.: _____

Approved with Conditions

See attached letter or requirement

Signature of Installer Chris W... Inspector's Signature _____ Date Approved _____

City of Portland, Maine - Building or Use Permit

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

Permit No: 06-0417	Date Applied For: 0311912006	CBL: 020 D011001
------------------------------	--	----------------------------

Location of Construction: 44 FEDERAL ST	Owner Name: 44 FEDERAL STREET LLC	Owner Address: 4646 NORTH HERMITAGE	Phone:
Business Name:	Contractor Name: Portland Airconditioning, Inc.	Contractor Address: 205 Lincoln St. S. Portland	Phone (207) 767-4567
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Multi-unit condo's - install Rheen natural gas furnaces in basement	Proposed Project Description: install Rheen natural gas furnaces in basement
---	--

Dept: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckal Approval Date: 0313012006

Note: **Ok to Issue:**

- 1) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals.
- 2) This property shall remain a seven (7) family condominium dwelling. Any change of use shall require a separate permit application for review and approval.
- 3) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building Status: Approved with Conditions Reviewer: Jeanine Bourke Approval Date: 0411112006

Note: **Ok to Issue:**

- 1) The installation must comply with the State of Maine Gas Regulations.

Dept: Fire Status: Approved with Conditions Reviewer: Cptn Greg Cass Approval Date: 0313112006

Note: **Ok to Issue:**

- 1) Install shall comply with NFPA 54
- 2) All construction shall comply with NFPA 101

Zone Control Panels—Zoning Control Panel

MM-3U Universal Electronic MiniZone™ Panel (2H/2C)



controls single-stage, multi-stage, conventional or heat pump equipment and is used on two- and three-zone applications.
 compatible with single-stage, multi-stage, conventional or heat pump applications.
 uses virtually any Honeywell four-wire, single-stage, multi-stage, or select Honeywell heat pump thermostat.
 Optional ZoneMax Sensor C7735A1000 Discharge Air Temperature Sensor for capacity control.
 System and Zone LEDs indicate system status.

- Automatic zone changeover with 20-minute changeover timer.
 - Individual zone fan control.
 - Thermal circuit breaker protects panel and transformer from damage if miswired.
 - Purge timer protects equipment between calls for heating and cooling.
 - Uses spring-open/power-closed, spring-closed/power-open, and power-open/power-closed dampers.
 - Interfaces with single or dual transformer equipment.
 - Replaces MABSEZ Series.
- Application: Zoning
 Auto Changeover: Yes
 Compatible with Supply Air Sensor: Yes
 Individual Zone fan control: Yes
 LED Indicators: Yes
 Network Zoning: No
 Number of Zones: 3 Zone
 Resettable Fuse: Yes
 Voltage: 24 Vac

ORDER NUMBER	Number of Stages	Heat Pump Compatible	Emergency Heat Switch
MM-3U	2 heat/2 cool	Yes	Yes

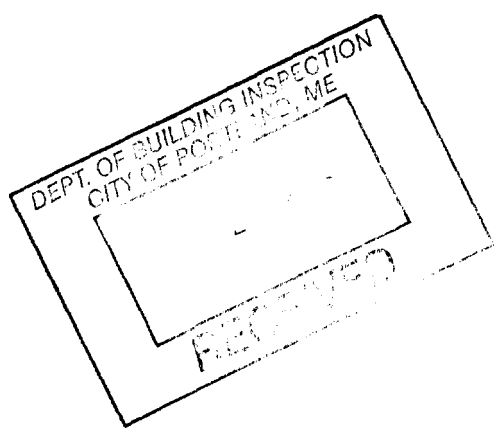
MM-3 Electronic MiniZone™ Control Panel (1H/1C)



controls single-stage heat/cool equipment for two- and three-zone applications.
 Uses any Honeywell four-wire thermostat.
 Optional ZoneMax Sensor C7735A1000 Discharge Air Temperature Sensor for capacity control.
 System and Zone LEDs indicate system status.
 Automatic zone changeover with 20-minute changeover timer.
 Individual zone fan control.

- Thermal circuit breaker protects panel and transformer from damage if miswired.
 - Purge timer protects equipment between calls for heating and cooling.
 - Uses spring-open/power-closed, spring-closed/power-open, and power-open/power-closed dampers.
 - Interfaces with single or dual transformer equipment.
 - Replaces MM2 and MM3 panels.
- Application: Zoning
 Auto Changeover: Yes
 Compatible with Discharge Air Temperature Sensor: Yes
 Individual Zone fan control: Yes
 LED Indicators: Yes
 Network Zoning: No
 Number of Zones: 3 Zone
 Resettable Fuse: Yes
 Voltage: 24 Vac

ORDER NUMBER	Number of Stages	Heat Pump Compatible	Emergency Heat Switch
MM-3	1 heat/1 cool	Yes	Yes



Zone Dampers—Zoning Damper

Automatic Round Dampers (ARD)



Round damper with 24-volt, spring return damper motor used to control volume of circulating air in heating, cooling, and ventilating systems.

- Galvanized steel.
- Single-blade damper.
- Shipped as power closed/spring return open damper, for use with Honeywell® Zoning Systems.

- Can be field-converted to power open/spring return closed damper when used as an independent zone or for fresh air intake.
 - Blade closes off tightly against gasket for minimal leakage.
- Available in 5, 6, 7, 8, 9, 10, 12, 14, 16, and 18 inch diameters.

Electrical Connection: 24 Vac; 6 VA nominal
Frequency: 60 Hz

Motor Mount: Side or Top
Motor Timing: 15 seconds
Motor Type: 2-position
Replacement Motor: M847D1012
Type: round
Use With: Honeywell zoning systems
Wires to Motor: 2 wires

ORDER NUMBER	Size
ARD5	5 in.
ARD6	6 in.
ARD7	7 in.
ARD8	8 in.
ARD9	9 in.
ARD10	10 in.
ARD12	12 in.
ARD14	14 in.
ARD16	16 in.
ARD18	18 in.

Modulating Automatic Round Dampers (MARD)

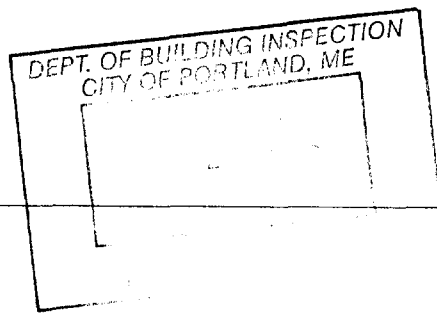


Single-blade modulating round damper.

- Uses 90-second open to closed motor.
 - Can be used as a zone damper.
 - Model ML6161 is replacement motor.
- Available in 5, 6, 7, 8, 9, 10, 12, 14, 16 and 18 inch diameters

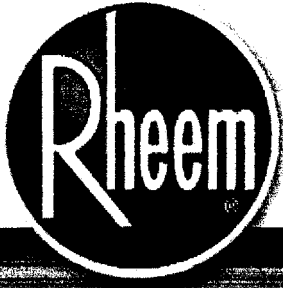
Electrical Connection: Screw
Frequency: 60 Hz
Motor Mount: side
Motor Type: modulating
Other Motor Information: modulating
Type: Modulating Round
Use With: can be used as a zone damper, or bypass damper with SPC
Voltage: 24 Vac
Wires to Motor: 3 wires

ORDER NUMBER	Size	Motor Timing
MARD5	5 in.	90 seconds
MARD6	6 in.	
MARD7	7 in.	
MARD8	8 in.	
MARD9	9 in.	
MARD10	10 in.	
MARD12	12 in.	
MARD14	14 in.	
MARD16	16 in.	
MARD18	18 in.	



* TRADELINE model • SUPER TRADELINE model

Some products are available only through Honeywell Perfect Climate Authorized Distributors.
Some products are available only through Honeywell Enviracaire Elite Authorized Distributors.



Home Comfort Solutions

► For Your Home ▲ For Your Business

Search the site:

Heating For Your Home

Product Guide

- ▶ Air Handlers
- ▶ Cooling Coils
- ▶ **Gas Furnaces**
- ▶ Heat Pumps
- ▶ Oil Furnaces
- ▶ Self-contained Heat Pumps
- ▶ Self-contained Gas/Electric

How Does it Work?

Choosing a System

Indoor Air Quality

Frequently Asked Questions

Glossary of Terms

Find a Dealer

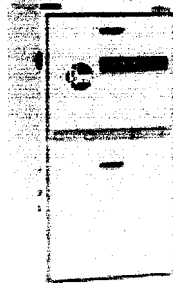
Do you need service or product information? Contact your local Rheem Dealer.

Zip Code

Gas Furnaces Product Guide

Classic

SERIES



Warranty:
Limited-Lifetime Heat Exchanger Warranty
All Other Parts 5 Years

Gas Efficiency: 90%

Documents:

[Use and Care Instructions](#)

[Specification Sheets](#)



RGRA Series Classic 90 Plus Premium Upflow Gas Furnace

THE RHEEM CLASSIC 90 PLUS® GAS FURNACE is designed with high-efficiency in mind. With a minimum 92% AFUE, it can provide years of cost savings for all your heating needs. Available in upflow and downflow/horizontal models, the Rheem Classic 90 PLUS gas furnace is as flexible as it is efficient.

COMPREHENSIVE RANGE OF CAPACITIES. The Rheem Classic 90 PLUS gas furnace is available in heating capacities from 45,000 to 120,000 BTUH. Chances are, there's a model with the perfect capacity for your application.

LIMITED LIFETIME WARRANTY ON HEAT EXCHANGERS. Innovative features like stainless steel primary and secondary heat exchangers represent significant advancements in furnace technology. These heat exchangers are so durable, Rheem backs them with a limited lifetime warranty. And this is just the beginning. Each Rheem furnace is designed to provide years of dependable, trouble-free service.

Rheem manufactures the most comprehensive, feature-loaded furnace line-up in the heating industry. At the top of this furnace line-up is the Rheem Classic 90 Plus Modulating Gas Furnace with Contour Comfort Control- North America's first truly modulating gas furnace. Not only does the

Rheem Classic 90 **Plus** with Contour Comfort Control feature a 94 percent or greater Annual Fuel Utilization Efficiency rating, it also provides significant savings on both gas and electricity, while providing superior comfort and reducing the number of hot and cold **spots** in your home.

In the 80 percent mid-efficiency class, Rheem offers innovative products like the Criterion II Plus 2 LXE. **This** furnace is the heart of a comfort system that can provide lower operating **costs** for both heating and cooling, and exceptionally quiet operation. Plus, Rheem also offers the Rheem Classic High-Efficiency oil furnace and an electric furnace.

Rheem Air Conditioning Division • P.O. Box 17010 • Fort Smith, AR 72917-7010 • 479-648-4900

