

City of Portland, Maine - Building or Use Permit Application

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

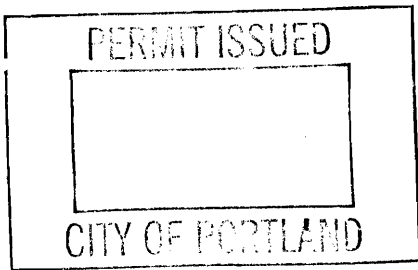
Permit No: 09-0339	Issue Date: 4/22/09	CBL: 410 A019001
-----------------------	------------------------	---------------------

Location of Construction: 63 DEMEREST ST	Owner Name: HABITAT FOR HUMANITY/ GR	Owner Address: PO BOX 10505	Phone:
Business Name:	Contractor Name: Pine State Plumbing & Heating	Contractor Address: PO Box 6308 Scarborough	Phone 2073212261
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Single Family Home	Proposed Use: Single Family Home - install a quietside 105	Permit Fee: \$50.00	Cost of Work: \$3,000.00	CEO District: 4
Proposed Project Description: install a quietside 105		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type: SB TMC-2003	
		Signature:	Signature: <i>CL</i> 4/22/09	
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: Ldobson	Date Applied For: 04/21/2009	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 <i>2 Enks along side of OK</i> <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 4/22/09 CS/H	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 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:
---	---	---	--



CERTIFICATION

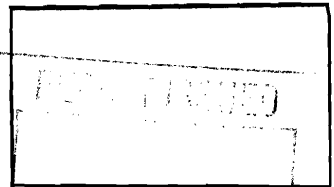
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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 110 A 19 Use of Building _____ Date 4-21-09

Name and address of owner of appliance 63 Demovest

Installer's name and address PINE STATE PEH
5 INDUSTRY RD SO PORTLAND 04106 Telephone 321-2262

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: QUIETSID 105

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 1197
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type PVC UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank 100 GALLONS

Number of Tanks 2

Distance from Tank to Center of Flame 30 feet.

Cost of Work: \$ 3000.00

Permit Fee: \$ 50

Approved

Fire: _____
Ele.: _____
Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Cheryl A. N.
Inspector's Signature

4/22/09
Date Approved

Signature of Installer Terrance J. Davis

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-0339	Date Applied For: 04/21/2009	CBL: 410 A019001
------------------------------	--	----------------------------

Location of Construction: 63 DEMEREST ST	Owner Name: HABITAT FOR HUMANITY/ GRE	Owner Address: PO BOX 10505	Phone:
Business Name:	Contractor Name: Pine State Plumbing & Heating	Contractor Address: PO Box 6308 Scarborough	Phone (207) 321-2261
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a quietside 105	Proposed Project Description: install a quietside 105
--	---

Dept: Zoning **Status:** Approved **Reviewer:** Chris Hanson **Approval Date:** 04/22/2009
Note: **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Chris Hanson **Approval Date:** 04/22/2009
Note: **Ok to Issue:**

- 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

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

M. J. Ted



QVM9 Dual Purpose Hydronic Heat System

Quietside presents the QVM9, a wall hung; Energy Star approved dual purpose hydronic heat system. The unit is available in 3 capacities and 90% AFUE efficiency level. It features sealed combustion and can be vented in Schedule 40 PVC. Domestic Hot Water is provided on demand and will have priority over the heating demand until the call for DHW has completed.

Domestic Hot Water is produced at an Energy Factor of 0.88 allowing this unit to qualify for the IRS rebate program for up to a \$300 refund to the homeowner

Standard Equipment fitted or supplied with the unit includes some of the following items :

Modulating Blower Assembly

The intake fan assembly modulates to provide the correct airflow for combustion. The fan is designed for low noise and low vibration operation.

Microprocessor Control

Provides precise control of the unit operation, including capacity control to match the heat load, and monitors all of the unit safety functions. Heating water temperature is measured by a thermistor mounted at the outlet of the Heat Exchanger inside the unit

Heat Exchangers

Primary Heat exchanger is made from Copper finned tube. A Wet Recuperative Heat changer made from 304 Stainless Steel extracts the latent heat from the combustion gas

Domestic Plate Heat Exchanger

This Stainless Steel heat exchanger is used for the Domestic Hot Water supply. After the DHW flow is detected, the unit will shut off supply to the heating loops to provide DHW until the requirement finishes

Circulation Pump

A circulation pump is included for the Heating system. For correct operation the unit **MUST** be piped in a Primary – Secondary configuration

Safeties

The unit features the following safeties, low water level/flow, OHC's, both manual and auto-reset, Flame Detector, & an Air Pressure Switch together with Pressure Relief valve fitted to the heating return

Equipment Supplied with the unit

FR5 Boiler Control & SCF-2 vent termination

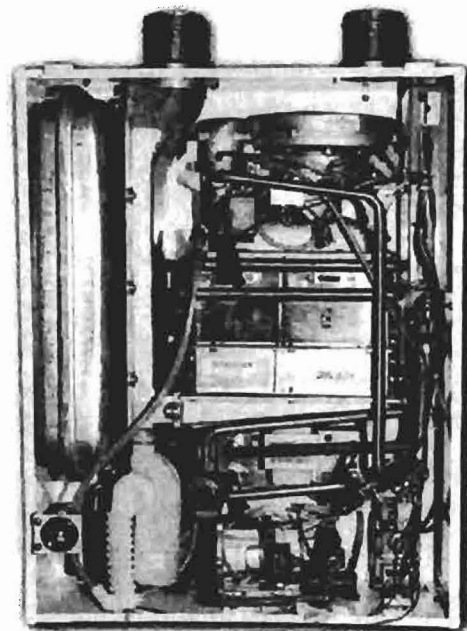
Warranty

Limited Lifetime on the Heat Exchangers, 5 years DHW Heat Exchanger, One year all other parts

Accessories

DHW Storage tank in 20, 50 & 80 Gallon sizes
LP Field Conversion Kits

QUI-SBQVM-002





Product Specifications

	QVM9-090W1-NG	QVM9-125W1-NG	QVM9-150W1-NG
Heating System Data			
Heat Input (Btu/h)	46,000 - 90,000	55,000 - 115,000	65,000 - 135,000
AFUE (%)	90	90	90
Htg Water Temp (DegF)	104 to 176 DegF leaving unit Heat Exchanger		
Working Pressure (psi)	15 - 20		
Freeze Protection Device	Thermistor, will energize pump/combustion		
Heating Min Flow (GPM)	1.06		
Htg Heat Exch Water Volume (gal)	0.18	0.18	0.21
Ignition Type	Electronic Spark		
Domestic Hot Water			
DHW Production Energy Factor	0.88	0.88	0.88
Temperature Setting	Not Controlled - Anti Scald Valve Mandatory		
DHW Minimum Flow Rate (GPM)	1 GPM		
GPM at 50F in 100F Out	3.2	4.0	4.9
GPM at 50F in 110F Out	2.6	3.3	4.0
GPM at 50F in 120F Out	2.3	2.9	3.4
GPM at 50F in 130F Out	2.0	2.6	3.0
General Data			
Control Voltage	20V DC - Requires X-X or Zero Voltage Contact for Zone applications		
Fuel Type	NG or Field Conversion to LP		
Natural Gas Inlet Press ("WC)	Minimum 5.8" WC to Maximum 9.7" WC		
LP Gas Inlet Pressure ("WC)	Minimum 9" WC to Maximum 13" WC		
Gas line Size (inch)	Min Size 3/4"		
Unit Voltage (V)	115V-1Ph-60Hz		
Power Consumption (W)	120	140	160
Pump Flow @ 10ft Head	2 GPM		
NOX Levels (ppm)	20		
Venting			
Max Flue Temp (DegF)	185		
Venting Material	Schedule 40 PVC (ABS may be used in Canada subject to local codes)		
Max Vent Length (feet)	31 Ft Equivalent each for both Intake and Exhaust		
Max number of Elbows*	3 per Individual Vent pipe		
*One Elbow = 5 ft equivalent length, which must be deducted from the total vent length			
Dimensions			
Weight (lbs)	75	79	84
Unit Height (less vent conns) (")	27 3/8"	27 3/8"	28 1/8"
Vent Connect Height (")	4 1/2"	4 1/2"	4 1/2"
Width (")	19 1/2"	19 1/2"	20 1/4"
Depth (")	8 1/2"	8 1/2"	9 5/8"
Gas Connection Size (")	3/4"		
Heating Supply/Return (")	3/4"		
DHW Inlet/Outlet (")	1/2"		
Flue/Air Intake (")	Adaptor ø3.5" to accept 3" PVC		

Quietside maintains a policy of continuous product development and specifications can change

Quietside West : 8750 Pioneer Blvd, Santa Fe Springs CA 90670 : Tel 562 699 6066, Fax 562 699 4351

Quietside East : 6 Pine Hill Drive, Carlisle PA 17013 : Tel 717 243 2535, Fax 717 243 7917

www. Quietside.com

04/23/09 Final okay >
JK



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

4-21 2009

Received from Habitat for Humanity

Location of Work 13 Demerest St

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ 50 Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 50

Building (12) Plumbing (15) Electrical (12) Site Plan (U2) _____

Other HVAC

CBL: HVAC

Check #: _____ Total Collected \$ 50

No work is to be started until permit issued.

If permit is Withdrawn or Denied, amount of the Refund is based on \$20.00 or 20% of the fee, (whichever is greater)

In order to receive a refund, you **MUST** present the Original Receipt.

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy