

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that NAN HEALD

Located At 39 CLIFTON ST

Job ID: 2012-08-4732-HVAC

CBL: 126- E-012-001

has permission to Install Baxi HT 380

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-08-4732-HVAC	Date Applied: 8/17/2012	CBL: 126- E-012-001	
Location of Construction: 39 CLIFTON ST	Owner Name: NAN HEALD	Owner Address: 39 CLIFTON ST PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: Mainely Plumbing & heating	Contractor Address: 674 Maine Street, Gorham, ME 04038	Phone: 854-4969
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-3
Past Use: Single Family Dwelling	Proposed Use: Same: Single Family Dwelling - to install a Baxi HT 380 heating system	Cost of Work: \$10,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: R-3 Type: HVAC
Proposed Project Description: Natural Gas Baxi HT380		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	

<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 informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date: <i>8/20/12</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>S</i></p>
	CERTIFICATION		

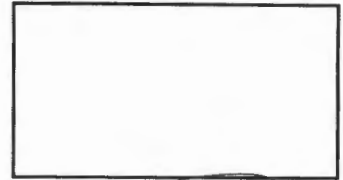
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



136 F 012 R-3

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 39 Clifton St Use of Building Single Family Date 8-12-12
 Name and address of owner of appliance Nan Heikel 39 Clifton St Portland
 Installer's name and address Murphy P+H 674 Main St Gorham
ME 04038 Telephone 207-854-4969

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: Baxi HT 380
 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 347
 Other _____

Type of Chimney:
 Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type concrete U.L. # _____

Type of Fuel Tank AUG 17 2012
 Oil
 Gas Dept. of Building Inspections
 City of Portland Maine

Size of Tank Natural Gas

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 9,500
Permit Fee: \$ 120.00

Approved

Approved with Conditions

Fire: _____
Ele.: _____
Bldg.: _____

See attached letter or requirement

Inspector's Signature _____ Date Approved _____

Signature of Installer [Signature]

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



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Receipts Details:

Tender Information: Check , BusinessName: Mainley Plumbing & Heating Inc., Check
Number: 31344
Tender Amount: 120.00

Receipt Header:

Cashier Id: gguertin
Receipt Date: 8/17/2012
Receipt Number: 47213

Receipt Details:

Referance ID:	7685	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	120.00	Charge Amount:	120.00
Job ID: Job ID: 2012-08-4732-HVAC - Natural Gas Baxi HT380			
Additional Comments: 39 Clifton St. Mainely Plg, Htg			

Thank You for your Payment!

BAXI



BAXI LUNA HT

Modulating, Condensing Wallhung Boilers

BAXI LUNA HT wallhung

An ideal green solution for all heating and domestic hot water needs

Environmentally friendly

- ◆ Emits 90% less CO and 80% less NOx
- ◆ Can cut utility bills in half
- ◆ Can cut greenhouse gas emissions by more than half

Compact space saver

- ◆ Approved for closet installation
- ◆ Up to 98% efficient (92.5% AFUE)
- ◆ Endless hot water on demand

Quietest boiler on the market

- ◆ Fully modulating fan
- ◆ Direct vent
- ◆ Automatic self diagnostics

Baxi Field Test Results

Building A Better Future

Marathon International, Baxi's exclusive North American distributor, performs extensive field tests in the marketplace. A 2007 field test in Ontario, Canada shows impressive results. The test involves installation of a Baxi Luna combination heating and domestic hot water boiler, together with a hydronic air handler. The test site is a 2,000 square-foot home built in 1984, with well insulated windows installed seven years ago. Here are some highlights:

Endless hot water: Entire family of five finds hydronic heating to be much more comfortable and more even than previous forced air furnace. The separate, on-demand DHW loop on the boiler means morning arguments about running out of hot water for showers are a thing of the past.

Gas bills cut in half: Family is enjoying fuel consumption savings and lower gas bills totaling up to 58% a month less than last year. Previous 60-gallon tank called for heating for 15 minutes out of every hour, 24/7.

Environmental benefits: Household expects to cut fuel consumption in half, saving 1,500 cubic meters (530 therms) of natural gas annually. That equates to a greenhouse gas emissions reduction of about 2.6 tonnes of CO₂ a year – the same amount of CO₂ not produced by parking a car for six months, or the amount of CO₂ removed by planting trees on one acre of land.

For more information, visit www.wallhungboilers.com/news



condensing boilers deliver

SMART TECHNOLOGY

- ◆ Easy adjustment for natural gas or propane
- ◆ Nickel-chrome, stainless steel premix burner (AISI 316L) and primary heat exchanger, high resistance to corrosion, no internal welding, large heat exchange surface and low heat inertia
- ◆ Electronic, gradual ignition
- ◆ Fully modulating fan and calibrated venturi
- ◆ Gas valve with continuous modulation system
- ◆ Electronic 3 way diverter valve
- ◆ Gas valve has 1:1 gas/air mechanical control
- ◆ Sealed combustion

CONTROL AND SAFETY SYSTEM*

- ◆ Fully automatic self diagnostics
- ◆ Double CPU microprocessor for efficiency optimization
- ◆ Anti-freeze protection (Unit will operate at low fire until 86° F/30°C loop temperature is achieved)
- ◆ Pump protection (automatically operates for 10 seconds if system is static for 24 hours)
- ◆ 3-way valve protection (electronic communication and operation to main circuit board if static for 24 hours)
- ◆ Other built-in features:
 - Circulating pump with automatic air vent
 - Pressure relief valve
 - Expansion Tank
 - Heating circuit fill and drain valves
 - Independent heating and domestic temperature set point dials
 - Electronic temperature control NTC sensors
 - High limit switch
 - Flue limit switch
 - Flame sensing electrode
 - Low water cut-off
 - Backflow device
 - Automatic by-pass
 - Inducer fan

*Not all components are included with commercial units.

Baxi Modulo

Baxi Modulo features the Baxi Luna HT 1.330 condensing boiler atop a 21-gallon (US) stainless steel, insulated storage tank. The Modulo may also be used with the Baxi Luna 3 Comfort 1.31 standard efficiency boiler. Its sleek design and compact size (17¾" x 21¾" x 64½") makes Baxi Modulo a great addition to any space.








Combines smart looks with smart technology

Baxi Luna HT Technical Notes



Multiple Baxi Luna HT condensing boilers can be cascaded, sharing a common venting system with a single exterior penetration. A five-unit Baxi Luna HT 1.65 application, for example, generates a combined maximum heating output of 1.1 million BTU/hr.

Description		Residential		Commercial		
		Luna HT 380	Luna HT 1.33	Luna HT 1.45	Luna HT 1.65	Luna HT 1.100
						
Rated heat input	BTU/hr	126,376	126,376	167,262	241,600	379,127
Reduced heat input	BTU/hr	37,192	37,192	55,618	73,361	112,980
Rated heat output	BTU/hr	112,601	112,601	153,546	221,789	348,039
Reduced heat output	BTU/hr	32,804	32,804	52,058	69,326	106,766
Sealed combustion chamber		yes	yes	yes	yes	yes
Ignition		electronic	electronic	electronic	electronic	electronic
Anti-frost device on heating circuit		yes	yes	yes	yes	yes
Maximum pressure on heating circuit	psi	30	30	30	30	30
Regulation of heating circuit water temperature	– high temp °F	86/180	86/180	86/180	86/180	86/180
	– low temp °F	86/113	86/113	86/113	86/113	86/113
Dimensions:	Height	in	30.04	30.04	37.40	37.40
	Width	in	17.71	17.71	23.62	23.62
	Depth	in	13.58	13.58	18.35	18.35
Coaxial/Dual flue tube	in	2.36-3.93/2.36	2.36-3.93/2.36	3.15-4.92/3.15	3.15-4.92/3.15	4.33-6.30/4.33
Net weight	lbs	102	102	141	158	215
Gas type		NG/LP	NG/LP	NG/LP	NG/LP	NG/LP

BAXI

Marathon International
Exclusive North American Distributor
for Baxi Products
1815 Sismet Road, Mississauga
Ontario L4W 1P9, Canada

info@wallhungboilers.com

DISTRIBUTED BY:

www.wallhungboilers.com



Baxi is ISO 9001 certified for quality management, OHSAS 18001 for health and safety management and ISO 14001 for environmental management.

The Company assumes no responsibility for any possible contents mistakes, and reserves the right to make changes in products, due to technical or commercial demands, at any time without notice.

er home comfort

Baxi Luna HT condensing boilers can be combined with ...



Wall Radiators



Heated Towel Racks



Indirect-fired Tanks



In-floor Heating



Hydronic Air Handlers

Temperature Regulation Accessories

Baxi Luna HT condensing boilers can be connected to an outdoor probe to produce greater comfort, higher efficiency and lower energy consumption. It can also be supplied with the remote controller and room thermostat which allows remote programming, setting and control of up to 50 parameters. A Baxi accessory made by Siemens, this is a smart control – meaning it assesses the R-value of a home or business space, and adjusts the rate of gas consumption accordingly.



Outdoor Probe

Remote Controller



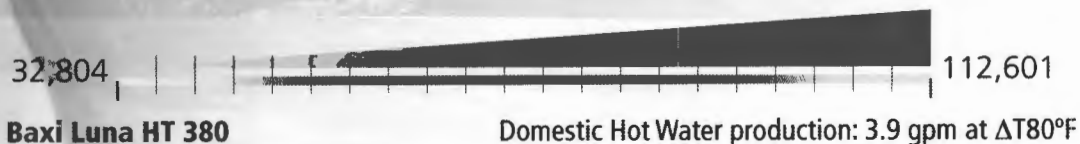
condensing boilers

90%
less **CO**

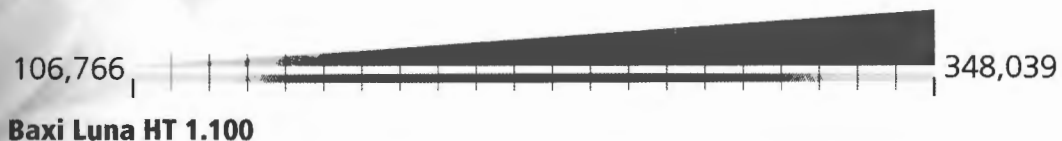
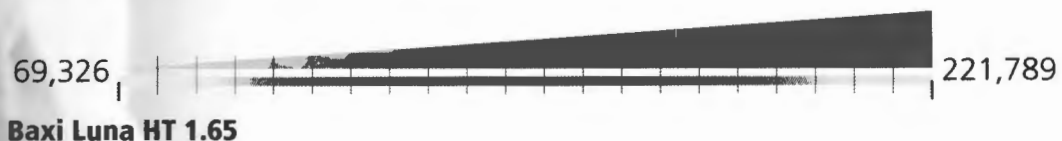
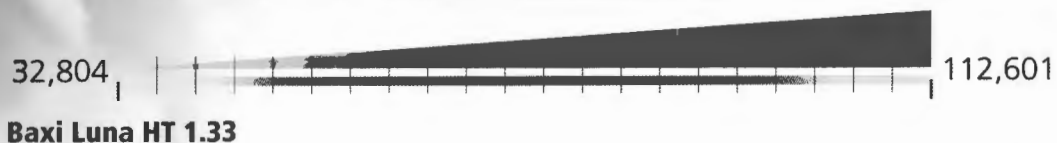
80%
less **NOx**

Heat Output Modulation Range (BTU/hr)

Combination Heating and Domestic Hot Water Model



Heating Models



The Baxi Luna HT series features five modulating, condensing boilers that can generate up to 98% efficiency, providing heat for an entire home or office from 600 to 6,000 square feet.

Baxi technology regulates the modulation of the burner flame – a key contributor to Baxi high energy efficiency. Also, Baxi condensing boilers utilize energy from condensing water vapor in the exhaust gases, thereby optimizing fuel consumption.