

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-11-5460-HVAC	Date Applied: 11/27/2012	CBL: 017- F-024-001	
Location of Construction: 11 SHERIDAN ST – UNIT #1	Owner Name: DAVID DOUIN & LISA LOZIER	Owner Address: 11 SHERIDAN – UNIT #1 PORTLAND, MAINE 04101	Phone:
Business Name:	Contractor Name: Marco Morneau, DBA Coastal Tech Heating	Contractor Address: 18 SOKOKIS ROAD BIDDEFORD, ME 04005	Phone: 282-2330
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: r-6
Past Use: Three (3) Residential Condos	Proposed Use: Same: Three (3) residential condos – to install new Baxi HT 380 heating system	Cost of Work: \$8,000.00 Fire P	CEO District:
Proposed Project Description: Install Baxi HT 380 Gas Heater		Approved w/ conditions Denied N/A (50) (P.A.D.)	Inspection: Use Group: A-2 Type: HVAC MUBE COG Signature: [Signature] 12/13/12
Permit Taken By: Brad		Approval	
1. This permit application does not p. Applicant(s) from meeting applicabl Federal Rules. 2. Building Permits do not include plumbin, septic or electrical work. 3. Building permits are void if work is not start within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.		Historic Preservation <input checked="" type="checkbox"/> Not in Dist 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: [Signature]	

CLOSE ME

SCANNED

I hereby certify that I am the owner of record of the named property, or that the pr... the owner to make this application as his authorized agent and I agree to conform to a... the application is issued, I certify that the code official's authorized representative shall i... to enforce the provision of the code(s) applicable to such permit.

Authorized by the owner of record and that I have been authorized by laws of this jurisdiction. In addition, if a permit for work described in... authority to enter all areas covered by such permit at any reasonable hour

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that

DOUIN DAVID G & LISA C LOZIER JTS

Located at

11 SHERIDAN ST

PERMIT ID: 2012-50537

CBL: 017 F024001

has permission to **Install Baxi HT 380 Gas Heater**

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes 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 procured prior to occupancy.

Fire Prevention Officer


Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
THERE IS A PENALTY FOR REMOVING THIS CARD

SCANNED

BUILDING PERMIT INSPECTION PROCEDURES
Please call 874-8703 (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.**

REQUIRED INSPECTIONS:

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.



PORTLAND MAINE

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Director of Planning and Urban Development
Jeff Levine

Job ID: 2012-11-5460-HVAC

Located At: 11 SHERIDAN ST

CBL: 017- F-024-001

Conditions of Approval:

Building

1. The installation must comply with the State of Maine Gas Regulations.
2. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. The appliance and venting shall be installed in accordance with the UL listing, manufacturer's specifications, IRC 2009 and NFPA 211

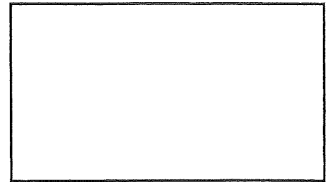
Fire

1. Installation shall comply with City Code Chapter 10.
2. Fuel-fired boilers shall be protected in accordance with NFPA 101, *Life Safety Code*.
3. Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*; NFPA 54, *National Fuel Gas Code*; NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2012-11-5460-HVAC

Entered 11/27/12 (83)

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 017 F024 001
11 Sheridan St Use of Building 3 level condos Date 11-26-12
 Name and address of owner of appliance: David Douin #1
USA Lozier
 Installer's name and address Coastal Tech Heating 1850 Kokers Rd R-6
 Telephone 282-2330

Location of appliance:

- Basement
- Attic
- Floor
- 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: Marc Morneau

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT 4495
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

- Metal
- Factory Built U.L. Listing # RECEIVED

Direct Vent
 Type _____ Dept. of Building Inspections
 City of Portland Maine

Type of Fuel Tank

- Oil
- Gas

Size of Tank Natural Gas Meter
Existing

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 8100
2385.00

Permit Fee: \$ 100.00

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Marc Morneau



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Receipts Details:

Tender Information: Check , Check Number: 1513\$100.00

Tender Amount: 100.00

Receipt Header:

Cashier Id: bsaucier

Receipt Date: 11/27/2012

Receipt Number: 50538

Receipt Details:

Referance ID:	8855	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	100.00	Charge Amount:	100.00
Job ID: Job ID: 2012-11-5460-HVAC - Install Baxi HT 380 Gas Heater			
Additional Comments: 11 Sheridan			

Thank You for your Payment!

1. Locate the flue elbow on the adaptor at the top of the boiler. Set the elbow to the required orientation (rear, right or left).

1. Placer le coude d'évacuation des fumées sur l'adaptateur en haut de la chaudière. Orienter le coude selon les besoins de l'installation (en arrière, à droite ou à gauche).

2. Measure the distance from the outside wall face to the elbow (Fig. 2). This dimension will be known as X.

2. Mesurer la distance entre le bord extérieur du mur et le coude (Fig.2). Cette cote sera indiquée par la lettre X.

3. Taking the air duct, mark dimension X as shown (Fig. 3). Measure the length of waste material, and transfer the dimension to the flue duct (Fig. 3).

3. En prenant le conduit d'air, marquer la cote X (voir Fig.3). Mesurer la longueur de la chute et la transférer sur le conduit des fumées (Fig.3).

4. Remove the waste from both ducts. Ensure that the cut ends are square and free from burrs.

4. Couper les chutes des deux conduits en s'assurant que les coupes sont bien à l'équerre et sans bavures.

IMPORTANT : Check all measurements before cutting. Clearance to combustible materials when using concentric system is zero.

IMPORTANT : Contrôler toutes les cotes avant de couper. La clairance est zéro quand il est utilisé le conduit concentrique.

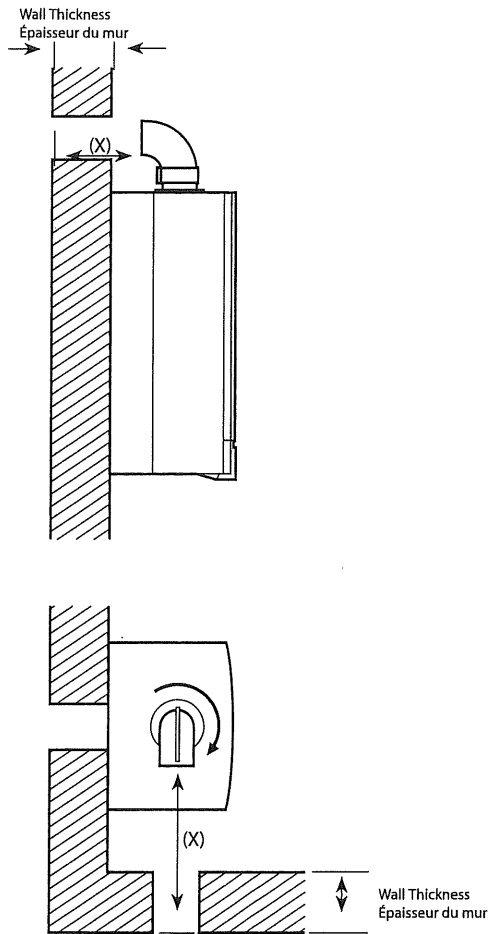


Fig. 2

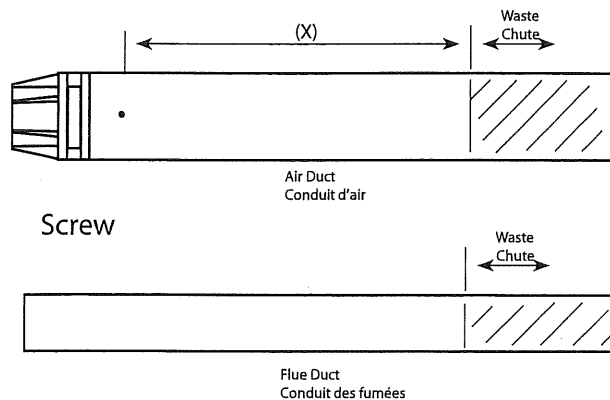
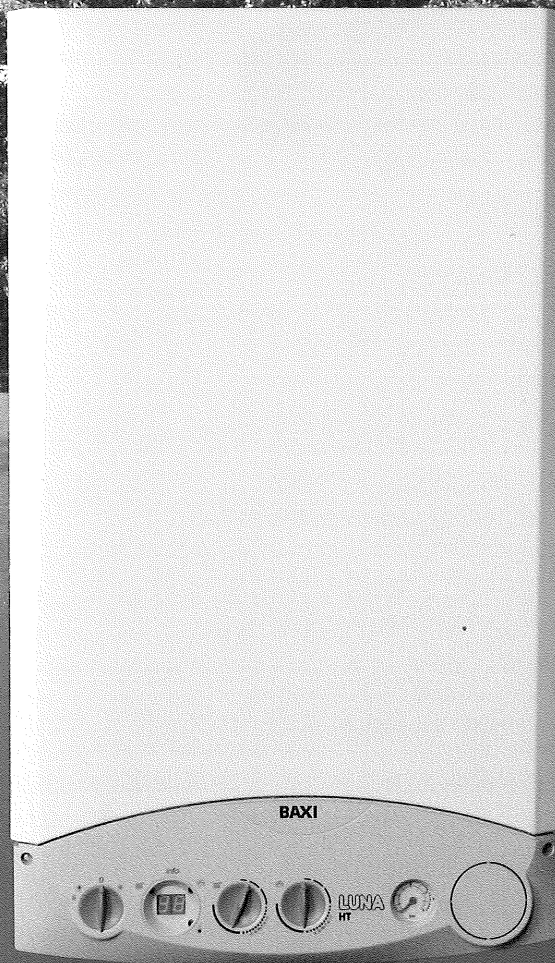


Fig. 3

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

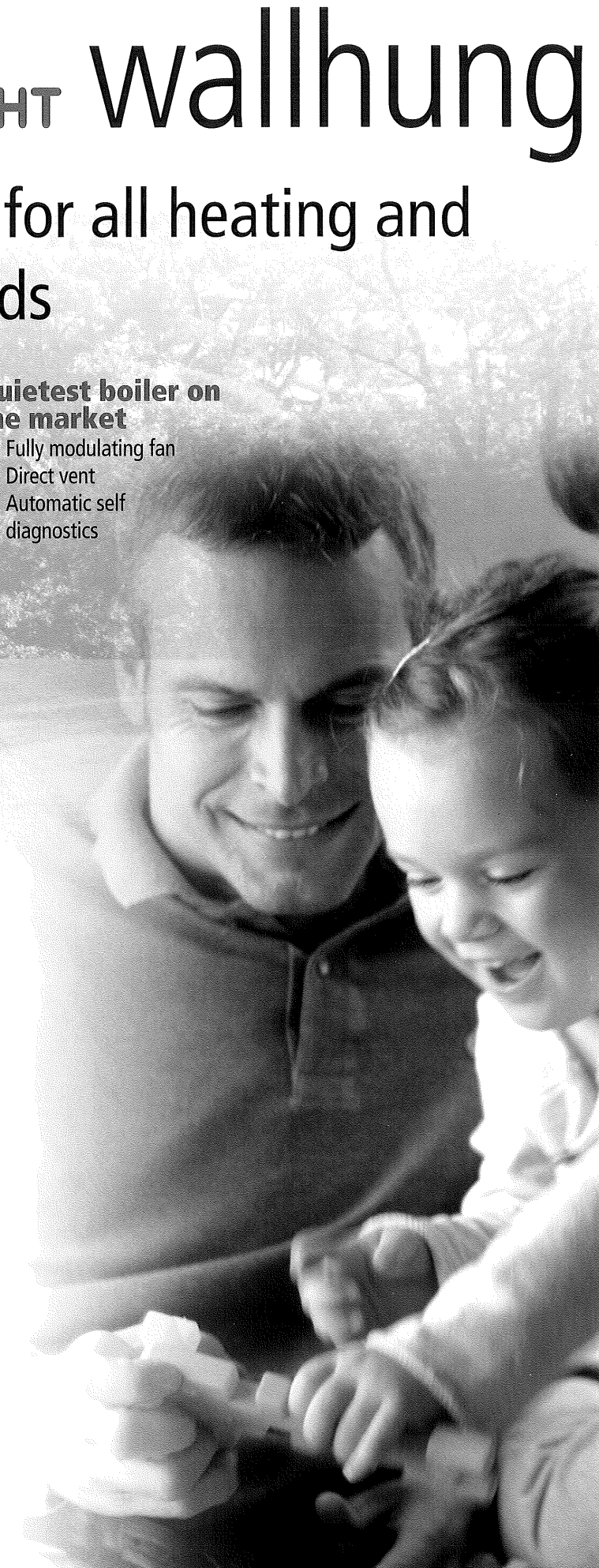
Marathon International, Baxi's exclusive North American distributor, performs extensive field tests in the marketplace. A 2007 field test in Ontario, Canada shows impressive results. The test involves installation of a Baxi Luna combination heating and domestic hot water boiler, together with a hydronic 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



ver home comfort

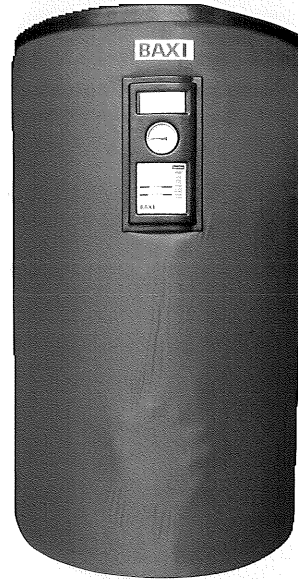
Baxi Luna HT condensing boilers can be combined with ...



Wall Radiators



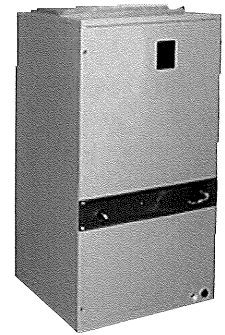
Heated Towel Racks



Indirect-fired Tanks



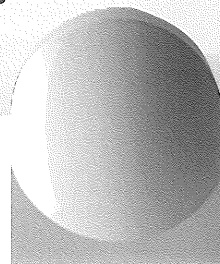
In-floor Heating



Hydronic Air Handlers

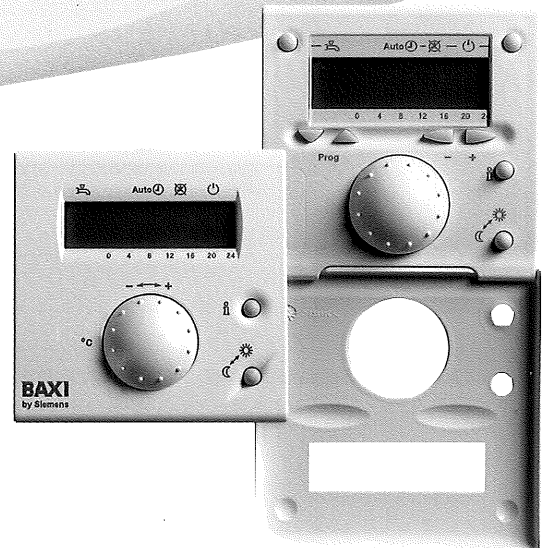
Temperature Regulation Accessories

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

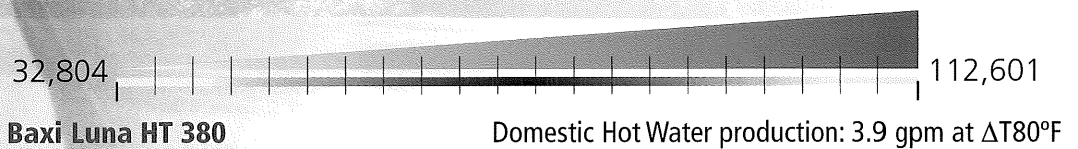


condensing boilers

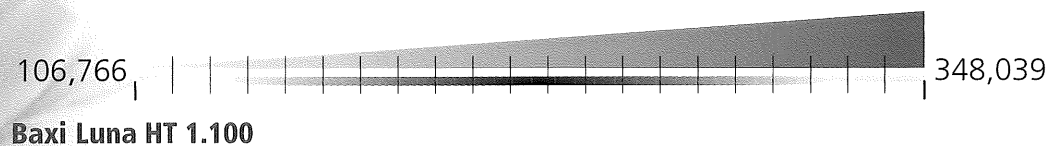
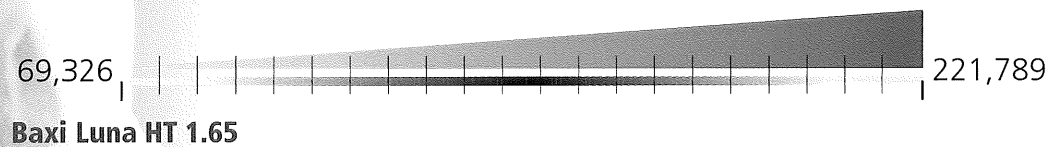
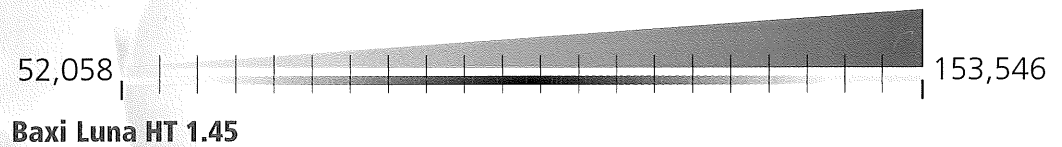
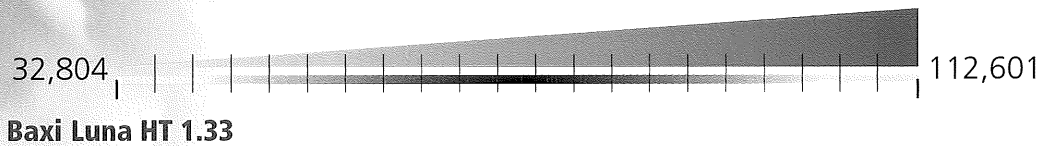
90% | 80%
less CO | less NOx

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.

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

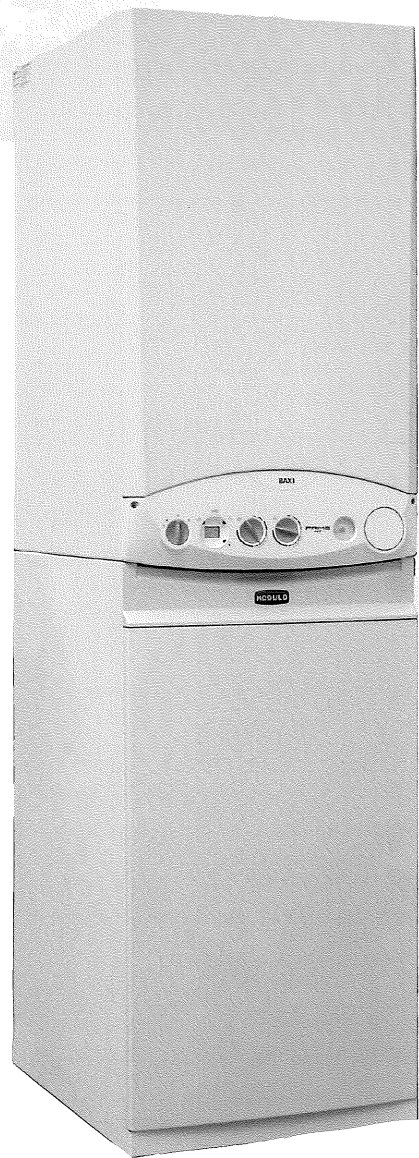
CONTROL AND SAFETY SYSTEM*

- ◆ 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

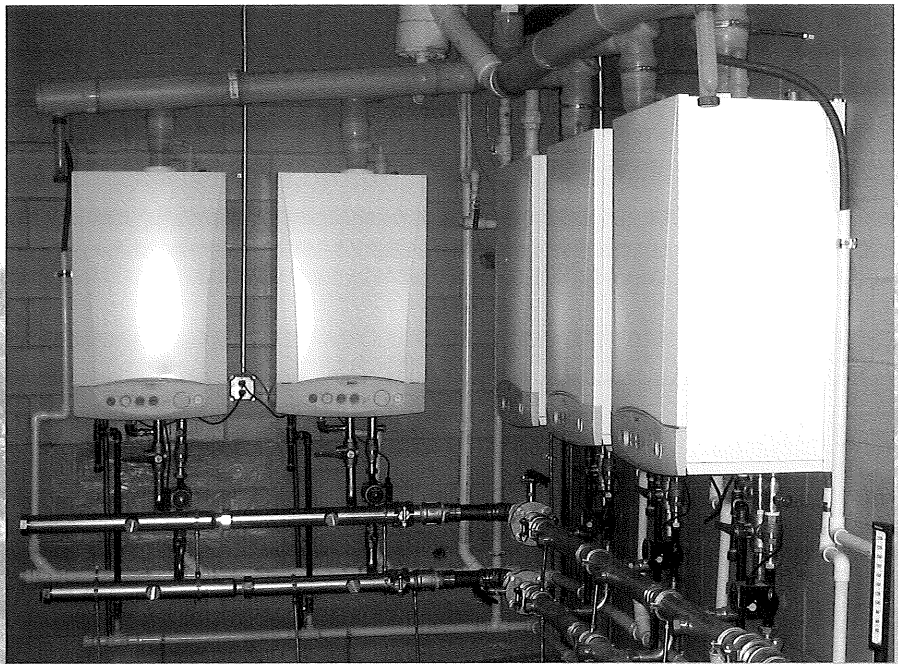
Baxi Modulo features the Baxi Luna HT 1.330 condensing boiler atop a 21-gallon (US) stainless steel, insulated storage tank. The Modulo may also be used with the Baxi Luna 3 Comfort 1.31 standard efficiency boiler. Its sleek design and compact size (17¾" x 21¾" x 64½") makes Baxi Modulo a great addition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



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