

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-0174	Issue Date: MAR 21 2006	CBL: 037 C017001
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Location of Construction: 545 CONGRESS ST	Owner Name: CONGRESS JOINT DEVELOPME	Owner Address: PO BOX 6799	Phone:
Business Name:	Contractor Name: Gouthier Plumbing & Heating	Contractor Address: 84 Target Road New Gloucester	Phone: 2072128501
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-3

Past Use: Multi- use building	Proposed Use: Multi-use building- install luna gas fired wall hung boilers in units 201, 203, 204, 205, 301, 302 303, 401, 402, 403, 501, 502, 601	Permit Fee: \$570.00	Cost of Work: \$60,500.00	CEO District: 1
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Proposed Project Description: install luna gas fired wall hung boilers in units 201, 203, 204, 205, 301, 302 303, 401, 402, 403, 501, 502, 601 <i>See permit #05-0501</i>	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>TO NHPA 54</i>	INSPECTION: Use Group: <i>RZ</i> Type: <i>HVAC</i>
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Signature: <i>Greg C...</i>	Signature: <i>JMB 3/13/06</i>
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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: 02/03/2006	Zoning Approval		
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<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>3/21/06</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 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: <i>Requires a Sep Review & Approval</i>
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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



CITY OF PORTLAND, MAINE
Department of Building Inspections

_____ 20 10

Received from _____

Location of Work _____

Cost of Construction \$ _____

Permit Fee \$ 500.00 _____

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other _____

CBL: 29211 _____

Check #: 530 _____

Total Collected \$ 500.00 _____

THIS IS NOT A PERMIT

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$10.00 or 10% whichever is greater.

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

City of Portland, Maine - Building or Use Permit

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Permit No: 06-0174	Date Applied For: 02/03/2006	CBL: 037 C017001
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Location of Construction: 545 CONGRESS ST	Owner Name: CONGRESS JOINT DEVELOPME	Owner Address: PO BOX 6799	Phone:
Business Name:	Contractor Name: Gouthier Plumbing & Heating	Contractor Address: 84 Target Road New Gloucester	Phone (207) 212-8501
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Multi-use building- install luna gas fired wall hung boilers in units 201, 203, 204, 205, 301, 302 303, 401, 402, 403, 501, 502, 601	Proposed Project Description: install luna gas fired wall hung boilers in units 201, 203, 204, 205, 301, 302 303, 401, 402, 403, 501, 502, 601
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 02/16/2006

Note: I had trouble located the original permit for this change of use - it is under an addition permit #05-0501 **Ok to Issue:**

1) All conditions on the original permit issued for the change of use and new penthouse are still in force.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 03/13/2006

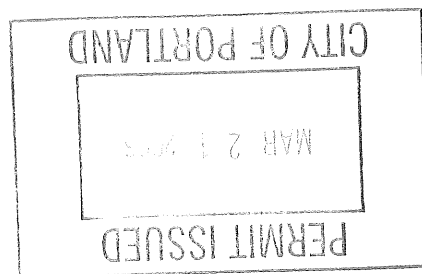
Note: **Ok to Issue:**

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

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 03/17/2006

Note: **Ok to Issue:**

1) Installer to insure compliance with NFPA 54





FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

MAR 21 2006

501 502

201, 203 204 205 301 302 303 304
403 601 701 702

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 545 Congress st. Use of Building Apartments #201 Date 1/30/06

Name and address of owner of appliance Congress Saint Development LLC

Installer's name and address Gauthier PHH inc, Mark
84 Target Rd. New Gloucester ME Telephone 212-2501
84260

Location of appliance:

- Basement
- Attic
- Floor
- Roof

in wall hung

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Luna 310

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 # PNT561
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____

- Metal
Factory Built U.L. Listing # _____

- Direct Vent
Type Direct Luna 310

Type of Fuel Tank

- Oil
- Gas Water

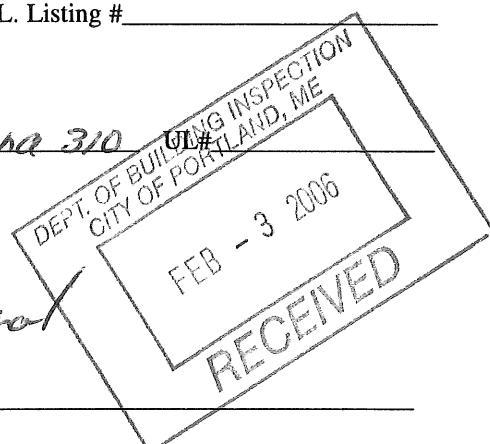
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ ~~2,500.00~~ 114 60,500

Permit Fee: \$ 570



Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer Darryl M. Antons

Inspector's Signature

Date Approved



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

MAR 21 2006

CITY OF PORTLAND

301 502

201, 203, 204, 205
403601

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 545 Congress st. Use of Building Apartment #201 Date 1/30/06
 Name and address of owner of appliance Congress Saint Development LLC
 Installer's name and address Gauthier PHH inc, ME Telephone 202-2501
84 TOTTEN Rd. New Gloucester ME 07960

Location of appliance:

- Basement
- Attic
- Floor
- Roof

wall hung

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Luna 310

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 # PNT561
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type Pro Luna 310 UL# _____

Type of Fuel Tank

- Oil
- Gas Natural

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ ~~2,500.00~~ 44 60,500

Permit Fee: \$ 570

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Danny M. Antunovich

ELECTRICAL PERMIT City of Portland, Me.



To the Chief Electrical Inspector, Portland Maine:
The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the City of Portland Electrical Ordinance, National Electrical Code and the following specifications:

Date 10/2/06
Permit # 06-4871
CBL# 037-C-017

LOCATION: 545 CONGRESS ST. METER MAKE & # _____
CMP ACCOUNT # _____ OWNER _____
TENANT EMILISTA CREEK CAFE PHONE # _____

							TOTAL EACH FEE		
OUTLETS	25	Receptacles		Switches		Smoke Detector	.20	5.	
FIXTURES	20	Incandescent		Fluorescent		Strips	.20	4.	
SERVICES		Overhead		Underground		TTL AMPS <800	15.00		
		Overhead		Underground		>800	25.00		
Temporary Service		Overhead		Underground		TTL AMPS	25.00		
							25.00		
METERS		(number of)					1.00		
MOTORS		(number of)					2.00		
RESID/COM		Electric units					1.00		
HEATING		oil/gas units		Interior		Exterior	5.00		
APPLIANCES		Ranges		Cook Tops		Wall Ovens	2.00		
		Insta-Hot		Water heaters		Fans	2.00		
		Dryers		Disposals		Dishwasher	2.00		
		Compactors		Spa		Washing Machine	2.00		
		Others (denote)					2.00		
MISC. (number of)	2	Air Cond/win					3.00	6.	
		Air Cond/cent				Pools	10.00		
		HVAC		EMS		Thermostat	5.00		
		Signs					10.00		
		Alarms/res					5.00		
		Alarms/com					15.00		
		Heavy Duty(CRKT)					2.00		
		Circus/Carnv					25.00		
		Alterations					5.00		
		Fire Repairs					15.00		
	E Lights					1.00			
	E Generators					20.00			
PANELS	1	Service		Remote		Main	4.00	4.	
TRANSFORMER		0-25 Kva					5.00		
		25-200 Kva					8.00		
		Over 200 Kva					10.00		
							TOTAL AMOUNT DUE		
MINIMUM FEE/COMMERCIAL 55.00							MINIMUM FEE	45.00	

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME.
OCT - 2 2006
RECEIVED

CONTRACTORS NAME JRC CONTRACTORS INC MASTER LIC. # 10304
ADDRESS 15 FOX RUN FALMOUTH ME LIMITED LIC. # _____
TELEPHONE 712-5447

#6333

SIGNATURE OF CONTRACTOR _____



Marathon International

NEWS

ABOUT US

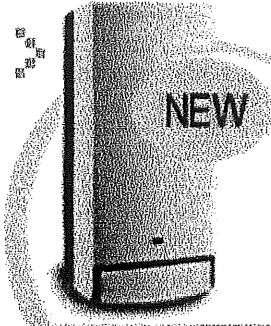
PRODUCTS

DISTRIBUTORS

CONTACT

BAXI

to generate with
BAXI LUNA
 is growing industry
 profits and ensuring consumer safety too
savings of up to 53%
 throughout North America

**Luna 310Fi**

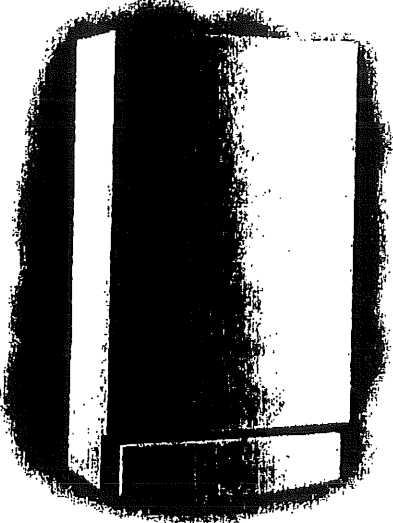
- Central heating and instantaneous DHW production
- Heat output modulation between 35486 to 105776 btu/hr
- Dimensions: 30.04x17.71x13.58 in.
- DWH flow rate of 3.3 US gpm
- Traditional systems: 86-185°F
- Low temperature and floor systems: 86-113°F
- BAXI patented AFR system for inlet air regulation and efficiency optimization
- Self check
- Outdoor probe option
- Electronic ignition (i)
- Continuous electronic flame modulation
- High efficiency



LUNA

FOR RESIDENTIAL APARTMENTS
Gas-fired wall hung boilers

USE for ...
For ...
...

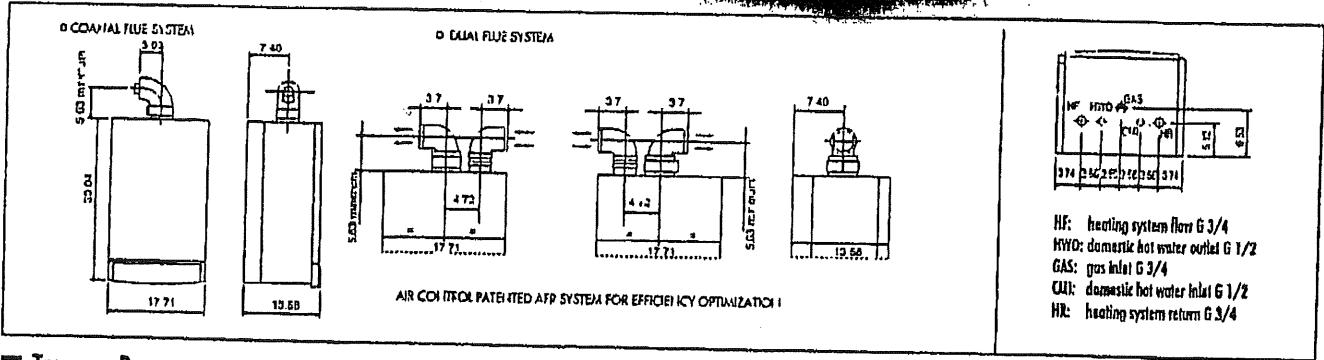
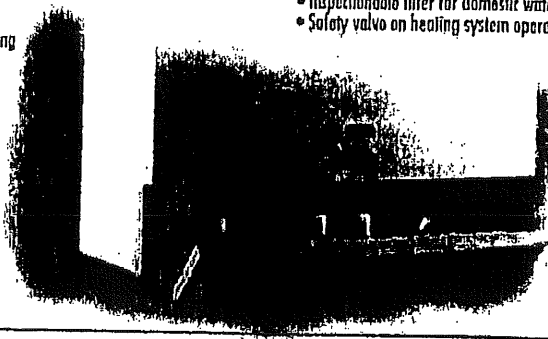


FEATURES

- Electronic flame modulation
- Electronic ignition
- COMFORT position
- Temperature control by NTC probes
- Stainless steel DHW heat exchanger (310FI)
- Stainless steel burner
- Circulating pump with built-in air vent
- Gas valve with continuous modulation on heating and DHW systems
- Gas pressure governor
- Automatic by-pass
- Radio interference filtering system
- Pump overrun
- Anti-frost device on heating circuit
- Outdoor probe option

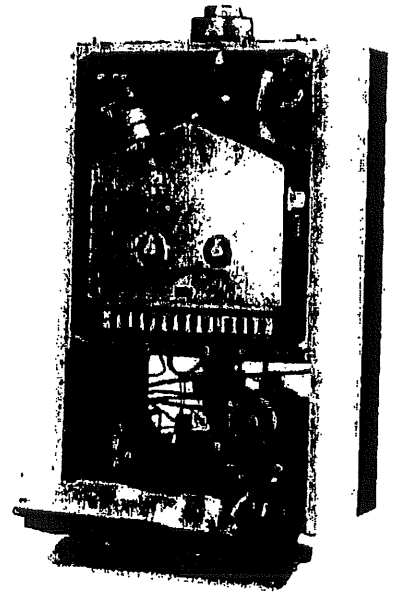
SAFETY DEVICES

- Electronic temperatures control by NTC probes
- Self check automatic control system
- Overheat limit thermostat
- Gas control electronic panel
- Differential pressure switch to ensure safe discharge of flue products (1.310FI, 310FI)
- Differential pressure switch to prevent boiler operating in the event of low water or blocked pump
- System to prevent pump sticking operating every 24 hours
- Inspectionable filter for domestic water inlet
- Safety valve on heating system operating at 43 psi



TECHNICAL DATA

DESCRIPTION	DIMY PRODUCTION	
	LUNA 310FI	LUNA 1.310FI
Rated heat input	Btu/h	126249
Rated heat output	Btu/h	45040
Rated heat output	Btu/h	105776
Rated heat output	Btu/h	35486
Sealed combustion chamber		
Anti-frost device on heating circuit	electronic	electronic
Maximum pressure on heating circuit	psi	43
Expansion vessel	psi	2.2
Temperature of water temperature in heating circuit	°F	84/180
Thermostatic limit of domestic hot water	°F	86/113
Minimum capacity domestic hot water flow rate	gal/min	0.55
Minimum pressure on DHW system	psi	2.9
Maximum pressure on DHW system	psi	116
Dimensions		
Height	in	30.04
Width	in	17.71
Depth	in	13.58
Coaxial/dual flue tube	in	2.36-3.93/3.14
Net weight	lb	80
Gas type		natural/LPG
Voltage	V	120
Frequency	Hz	60
Power consumption	Btu/h/W	547/160



ARISTUDIO Eszaro - Printed by BATTAGIN - S. Zeno di Montebelluna (TV) - 12001

BAXI S.p.A.



VOLT 110 120 60

NORTH AMERICAN DISTRIBUTOR
 Marathon International Inc.
 1815 Sismet Road - Mississauga Ontario L4W 1P9 - CANADA
 Tel. 800-461-4657 - www.wallhungboilers.com

LUNA 310Fi
Installation & Troubleshooting
Notes

Dick Quinn
Quinn Associates
603-860-2849

1. Features

- Wall hung, gas fired, sealed combustion, combination boiler
- Quiet operation with low power consumption
- Small enough to be mounted in a closet. (30H x 18W x 14D)
- Output adjustable from 35,486 BTU/Hr to 105,776 BTU/Hr
- Option for Outdoor Reset control
- Instantaneous domestic hot water with no storage tank 3.3 GPM at 77°F rise.
- User friendly control panel with diagnostic LED's, independent Aquastats for Heat & Domestic Hot Water, Summer/Winter mode to shut heating off during summer months
- Fully modulating gas valve automatically adjusts to meet demand
- Maximum output can be set to meet demand using RMAX Control
- Built-in frost protection (automatically fires boiler and operates the pump whenever the water temp drops to 41°F. Boiler will run until water temp rises to 86°F)
- Built-in pump timer (insures 1 minutes of run time every 24 hours)
- Easily serviced from the front of the unit
- Mounting template and stub-out kit included
- One concentric 90°, One meter of coaxial venting with external termination and trim ring and three clamps included
- Stainless steel burner
- Built-in expansion tank
- Built-in circulating pump
- Built-in air vent
- Built-in relief valve
- Built-in system drain valve
- Built-in manual system fill valve
- Built-in back flow preventor
- Built-in pressure gauge
- Built-in overheat/low water cutoff thermostat

Piesio Res.

BAXI

LUNA 310 Fi

High efficiency gas fired wall mounted combination boiler

Chaudière murale à gaz à rendement élevé

Installation and servicing instructions

Notice d'installation et d'entretien



BAXI S.p.A., one of the leading European enterprises to produce central heating and hot water devices for domestic use (wall-mounted gas-operated boilers, floor-standing boilers, electrical water-heaters and steel heating plates) has obtained the QSC certificate of conformity to the UNI EN ISO 9001 norms. This certificate guarantees that the Quality System applied at the **BAXI S.p.A.** factory in Bassano del Grappa, where your boiler was produced, meets the standards of the UNI EN ISO 9001 norm, which is the strictest and concerns all organization stages and operating personnel involved in the production and distribution processes.



BAXI S.p.A., l'une des entreprises leader en Europe dans la production d'appareils de chauffage et sanitaires à usage domestique. (chaudières murales à gaz, chaudières au sol, chauffe-eau électriques, plaques de chauffe en acier), a obtenu la certification CSQ de conformité aux normes UNI EN ISO 9001. Ce certificat assure que le Système de Qualité en usage aux usines **BAXI S.p.A.** de Bassano del Grappa, où l'on a produit cette chaudière, satisfait la plus sévère des normes - c'est-à-dire la UNI EN ISO 9001 - qui concerne tous les stades d'organisation et le personnel impliqué du procès de production et distribution.

2. Technical data

2.1 PERFORMANCE

Central Heating		MAX		MIN
		0+2000 Ft 0+610 m	2000+4500 Ft 610+1370 m	
Heat Input (Gross)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Heat Output (modulating)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Burner Pressure Setting natural gas (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Gas Rate natural gas (A)	ft ³ /h	124.2	118.2	44.5
	m ³ /h	3.52	3.35	1.26
Burner Pressure Setting LP gas (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Gas Rate LP gas (E)	ft ³ /h	49.0	46.6	17.29
	m ³ /h	1.39	1.32	0.49
CH Water Temp. (Approx.)	°F	185		
	°C	85		

Domestic Hot Water		MAX		MIN
		0+2000 Ft 0+610 m	2000+4500 Ft 610+1370 m	
Heat Input (Gross)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Heat Output (modulating)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Burner Pressure Setting natural gas (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Gas Rate natural gas (A)	ft ³ /h	124.2	118.2	44.5
	m ³ /h	3.52	3.35	1.26
Burner Pressure Setting LP gas (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Gas Rate LP gas (E)	ft ³ /h	49.0	46.6	17.29
	m ³ /h	1.39	1.32	0.49
Flow Rate (Can) at 63°F/35°C Rise (USA)	G.P.M.	2.8		
	G.P.M.	3.3		
	l/m	12.7		
Outlet Water Temp. (Approx.)	°F	149		
	°C	65		

2.2 SYSTEM

Central Heating (Sealed System)	
Max System Pressure	43 p.s.i. / 3 bar
Min System Pressure	7.25 p.s.i. / 0.5 bar
Max System temperature	185°F / 85°C
Pressure Relief Valve Setting	43 p.s.i. / 3 bar
Expansion Vessel Size (pre-charge press.)	2.2 Gal / 10 l at 11.6 p.s.i. / 0.8 bar
Flow Connection	3/4" / 22.2 mm
Return Connection	3/4" / 22.2 mm
Relief Valve Connection	1/2" / 15.9 mm
Recommended System Pressure (cold)	21.7 p.s.i. / 1.5 bar

Domestic Hot Water	
Max Mains Inlet Pressure	116 p.s.i. / 8 bar
Min Mains Water Pressure	2.9 p.s.i. / 0.2 bar
Min DHW Flow Rate	(Can) 0.55 GPM / 2.5 l/min (USA) 0.66 GPM / 2.5 l/min
Mains Inlet Connection	1/2" / 15.9 mm
DHW Outlet Connection	1/2" / 15.9 mm
Max DHW Temperature	149°F / 65°C
DHW Water Content	(Can) 0.05 Gal / 0.23 l (USA) 0.06 Gal / 0.23 l

2. Données Techniques

2.1 PERFORMANCE

Chauffage central		MAX		MIN
		0+2000 Ft 0+610 m	2000+4500 Ft 610+1370 m	
Débit calorifique (pcs)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Puissance utile (modulée)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Valeurs de pression au brûleur Gaz naturel (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Débit de gaz Gaz naturel (A)	ft ³ /h	124.2	118.2	44.5
	m ³ /h	3.52	3.35	1.26
Valeurs de pression au brûleur Gaz LP (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Débit de gaz Gaz LP (E)	ft ³ /h	49.0	46.6	17.29
	m ³ /h	1.39	1.32	0.49
Temp. de l'eau circuit chauffage (approx.)	°F	185		
	°C	85		

Eau chaude sanitaire		MAX		MIN
		0+2000 Ft 0+610 m	2000+4500 Ft 610+1370 m	
Débit calorifique (pcs)	Btu/h	126 249	120 107	45 040
	kW	37	35.2	13.2
Puissance utile (modulée)	Btu/h	105 776	100 658	35 486
	kW	31	29.5	10.4
Valeurs de pression au brûleur Gaz naturel (A)	p.s.i.	0.203	0.186	0.0261
	mbar	14.0	12.8	1.8
Débit de gaz Gaz naturel (A)	ft ³ /h	124.2	118.2	44.5
	m ³ /h	3.52	3.35	1.26
Valeurs de pression au brûleur Gaz LP (E)	p.s.i.	0.3541	0.3338	0.0479
	mbar	24.4	23.0	3.3
Débit de gaz Gaz LP (E)	ft ³ /h	49.0	46.6	17.29
	m ³ /h	1.39	1.32	0.49
Débit d'eau avec Δt (Can) 63°F/35°C (USA)	G.P.M.	2.8		
	G.P.M.	3.3		
	l/m	12.7		
Température de l'eau sanitaire (approx.)	°F	149		
	°C	65		

2.2 CIRCUIT

Chauffage central (circuit étanche)	
Pression maximale du circuit	43 p.s.i. / 3 bar
Pression minimale du circuit	7.25 p.s.i. / 0.5 bar
Température maximale du circuit	185°F / 85°C
Tarage soupape de pression	43 p.s.i. / 3 bar
Dimensions du vase d'expansion (pression avant le remplissage)	2.2 Gal / 10 l à 11.6 p.s.i. / 0.8 bar
Connexion départ	3/4" / 22.2 mm
Connexion retour	3/4" / 22.2 mm
Connexion soupape de pression	1/2" / 15.9 mm
Pression du circuit recommandée (à froid)	21.7 p.s.i. / 1.5 bar

Eau chaude sanitaire	
Pression maximale d'entrée eau du réseau	116 p.s.i. / 8 bar
Pression minimale eau du réseau	2.9 p.s.i. / 0.2 bar
Débit min. ECS	(Can) 0.55 GPM / 2.5 l/min (USA) 0.66 GPM / 2.5 l/min
Connexion d'entrée du réseau	1/2" / 15.9 mm
Connexion de sortie ECS	1/2" / 15.9 mm
Température max. ECS	149°F / 65°C
Contenance ECS	(Can) 0.05 Gal / 0.23 l (USA) 0.06 Gal / 0.23 l

2.3 COMPONENTS

Burner (15 blade)	Stainless Steel
Main Heat exchanger	Copper
DHW Heat exchanger	Stainless Steel
Injectors natural gas (A)	1.28 mm
Injectors LPG gas (E)	0.90 mm
Pump	Grundfos UPS 15-62/BX AO
Flue - Outer Duct	Epoxy coated
Flue - Inner Duct	Aluminium
Fan	MVL RLG 97/3400 - 3030LH
Gas Valve	SIT 837 TANDEM
Air Pressure Switch	Tridelta
Diverter Valve	Baxi

2.3 PARTIES COMPOSANTES

Brûleur (15 éléments)	acier inoxydable
Echangeur principal de chaleur	cuivre
Echangeur de chaleur ECS	acier inoxydable
Injecteurs gaz naturel (A)	1.28 mm
Injecteurs gaz LPG (E)	0.90 mm
Pompe	Grundfos UPS 15-62/BX AO
Buse externe fumées	traitée à résine époxyde
Buse interne fumées	aluminium
Ventilateur	MVL RLG 97/3400 - 3030LH
Vanne à gaz	SIT 837 TANDEM
Commutateur pression air	Tridelta
Vanne à deux voies	Baxi

2.4 INSTALLATION

Minimum Clearances for Servicing	
Top	8.66 in / 220 mm
Bottom	9.84 in / 250 mm
Sides	1.77 in / 45 mm
Front	17.71 in / 450 mm
Flue Terminal Size Concentric System	3.93 in / 100 mm
Flue Terminal Size 2-Pipe Flue System	3.14 in / 80 mm
Flue Terminal Protruding	4.52 in / 115 mm
Lift Weight	90 lb / 41 kg

2.4 INSTALLATION

Espaces minimaux pour l'entretien	
en haut	8.66 in / 220 mm
en bas	9.84 in / 250 mm
côtés	1.77 in / 45 mm
devant	17.71 in / 450 mm
Dimensions terminal buse fumées concentrique	3.93 in / 100 mm
Dimensions terminal buse fumées à 2 conduites	3.14 in / 80 mm
Surplomb du terminal buse fumées	4.52 in / 115 mm
Poids de soulèvement	90 lb / 41 kg

2.5 GENERAL

Dimensions	Height	30.04 in / 763 mm
	Width	17.71 in / 450 mm
	Depth	13.58 in / 345 mm
Gas Connexion	3/4"	
Primary Water Content	(Can) 0.33 Gal / 1.5 l (USA) 0.40 Gal / 1.5 l	
Air Duct Diameter	3.93 in / 100 mm	
Flue Duct Diameter	2.36 in / 60 mm	

2.5 DONNÉES GÉNÉRALES

Dimensions	Hauteur	30.04 in / 763 mm
	Largeur	17.71 in / 450 mm
	Profondeur	13.58 in / 345 mm
Connexion gaz	3/4"	
Contenance d'eau primaire	(Can) 0.33 Gal / 1.5 l (USA) 0.40 Gal / 1.5 l	
Diamètre conduit d'air	3.93 in / 100 mm	
Diamètre buse fumées	2.36 in / 60 mm	

2.6 ELECTRICAL

Supply	120 V 60 Hz
Power Consumption	547 Btu / h - 160 W
Internal Fuse	F 3,15 A
Electrode Spark Gap	2.5 to 3.5 mm

2.6 DONNÉES ÉLECTRIQUES

Alimentation	120 V 60 Hz
Consommation de courant	547 Btu / h - 160 W
Fusible interne	F 3,15 A
Ecartement pointes électrodes	de 2.5 à 3.5 mm

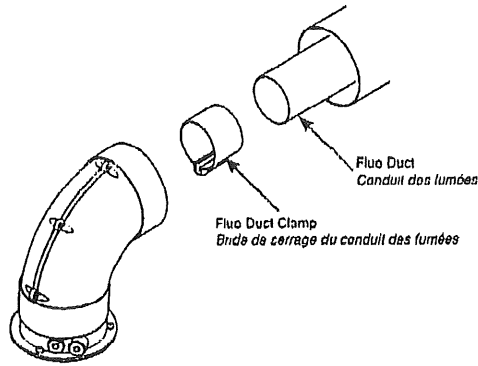


Fig. 7

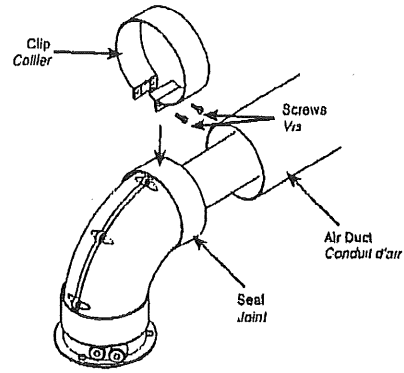


Fig. 8

Flue Options

1. The Baxi-boiler can be fitted with flue systems as illustrated.
2. The standard flue is suitable only for horizontal applications.
3. Maximum permissible equivalent flue lengths are:-

Concentric	4m
Vertical	4m

4. Any additional "in line" bends in the flue system must be taken into consideration.

Their equivalent lengths are:-

Concentric Pipes:

45° bend	0.5 metres
90° bend	1.0 metres

The elbow supplied with the standard horizontal flue is not included in any equivalent length calculations

5. The illustrations opposite show examples of maximum equivalent lengths.
6. Instructions for guidance and fitting are included in each kit.

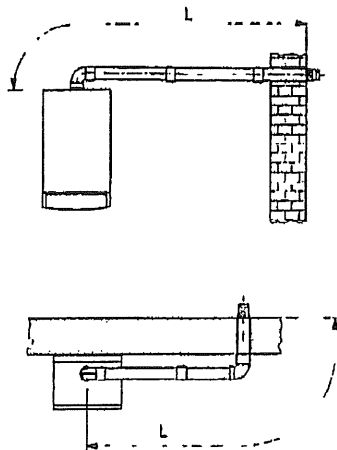


Fig. 9a

Options pour l'évacuation des fumées

1. La chaudière Baxi peut être équipée des options d'évacuation des fumées illustrées ci-contre.
2. Le conduit standard ne convient que pour les applications horizontales.
3. Les longueurs équivalentes maximales admises pour le conduit des fumées sont :-

Conduits concentriques	4 m
Conduits verticaux	4 m

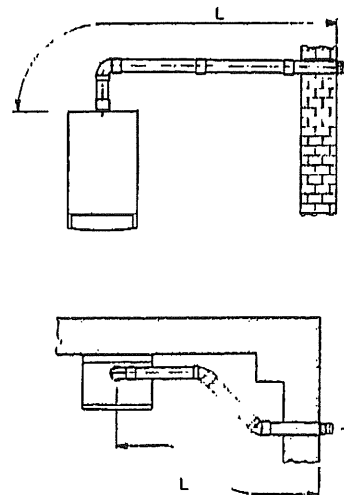
4. Il faut prendre en compte les coudes éventuellement montés "en ligne" dans le système d'évacuation des fumées. Leurs longueurs équivalentes sont :-

Conduits concentriques :

Coude de 45 °	0,5 mètre
Coude de 90. °	1.0 mètre

Le coude fourni avec le conduit des fumées horizontal standard n'est pas pris en compte dans les calculs des longueurs équivalentes.

5. Les figures ci-contre donnent des exemples de longueurs équivalentes maximales.
6. Les instructions de montage sont inclus dans chaque kit.



3.5 FLUE TERMINAL LOCATION - Fig. 16
IN COMPLIANCE WITH C A 4

3.5 PLACEMENT DU TERMINAL DE LA BUSE - Fig. 16
EN CONFORMITE AVEC CGA B149

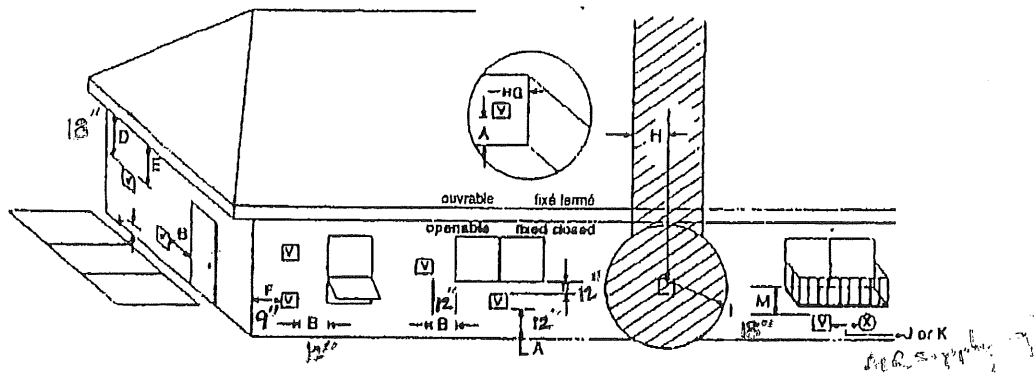


Fig. 16 **V** = VENT TERMINAL / = TERMINAL CONDUIT AIR **X** = AIR SUPPLY INLET / = PRISE D'AIR = AREA WHERE TERMINAL IS NOT PERMITTED / = ZONE INTERDITE AU DEPLACEMENT DU TERMINAL

Vent Termination Minimum Clearances - Distances minimales du terminal	
A = 12"	clearances above grade, veranda, porch, deck or balcony - distances au-dessus du terrain, d'une véranda, d'un porche, du sol ou d'un balcon
B = 12"	clearances to window or door that may be opened - distances d'une fenêtre ou d'une porte ouvrables
D = 18"	vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the centre line of the terminal - distance verticale d'un intrados placé au-dessus du terminal à la distance horizontale de 2 ft. (60 cm) au maximum de la ligne centrale du terminal
E = 18"	clearance to unventilated soffit - distance d'un intrados non ventilé
F = 9"	clearance to outside corner - distance d'un angle externe
G = 6"	clearance to inside corner - distance d'un angle interne
H = 4 ft. (U.S.A.) 3 ft. (Canada)	not to be installed above a gas meter/regulator assembly within H horizontally from the centre line of the regulator - à ne pas installer au-dessus d'un compteur de gaz / du raccord d'un limiteur placés à 3 ft. (90 cm) calculés en horizontal de la ligne centrale du limiteur
I = 3 ft. (U.S.A.) 6 ft. (Canada)	clearance to service regulator vent outlet - distance de la sortie du conduit d'un limiteur de service
J = 9" (U.S.A.) 12" (Canada)	clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance - distance d'une prise d'air non-mécanique de l'édifice ou d'une prise d'air de combustion pour d'autres appareils
K = 3 ft (U.S.A.) 6 ft. (Canada)	clearance to a mechanical air supply inlet - distance d'une prise d'air mécanique
L = 7 ft	clearance above paved side-walk or a paved driveway located on public property - distance d'un trottoir pavé ou d'une allée d'accès pavée placés sur le sol publique
M = 18"	clearance under veranda, porch, deck or balcony - distance au-dessous d'une véranda, d'un porche, du sol ou d'un balcon

* a vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings unless terminated 7ft above sidewalk.

** only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor.

Note: local Codes or Regulations may require different clearances.

The flue terminal must be exposed to the external air and the position must allow the free passage of air across it at all times. In certain weather conditions the terminal may emit a plume of steam. Avoid positioning the terminal where this may cause a nuisance.

If the terminal is fitted less than 6.56 ft / 2 m above a surface to which people have access, the terminal must be protected by a terminal guard.

* si un soupirail ne s'arrête pas à 7 pieds au-dessus du trottoir, il ne peut pas se terminer sur un trottoir ou sur une voie d'accès privée avec revêtement située entre deux habitations résidentielles individuelles et utilisée par les deux habitations.

** permis exclusivement si la véranda, le porche, le sol ou le balcon sont complètement ouverts sur au moins deux côtés au-dessus du pavement.

Remarque: les Codes et les Règlements locaux pourraient entraîner Le terminal de la buse des fumées doit être placé au grand air de façon que sa position permette le déplacement de l'air à tout moment.

Dans certaines conditions météo le terminal peut dégager du vapeur. Évitez de placer le terminal où cela pourrait déranger.

Si le terminal est installé à moins de 6.56 ft / 2 m au dessus d'un endroit accessible aux gens, il est nécessaire d'ajouter une protection.

4.2 CLEARANCES REQUIRED FOR SERVICING- Fig. 19

4.2 ESPACES NÉCESSAIRES POUR L'ENTRETIEN - Fig. 19

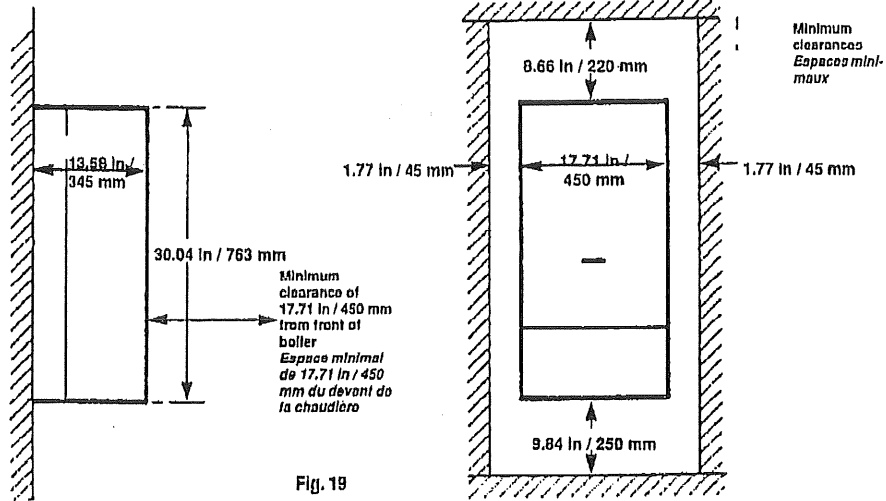


Fig. 19

4.2.1. CLEARANCES REQUIRED FOR CLOSET INSTALLATION

4.2.1. ESPACES NÉCESSAIRES POUR L'INSTALLATION DANS UN DEBARRAS

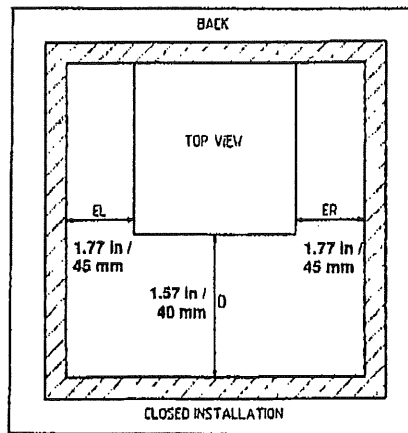
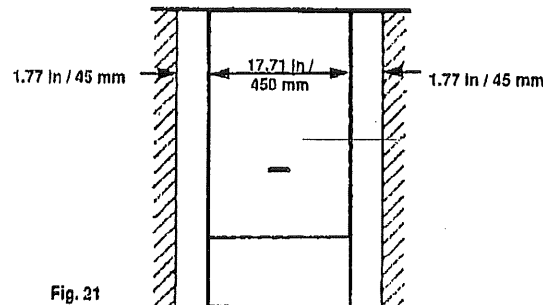


Fig. 20

4.2.2. CLEARANCES FOR COMBUSTIBLES

4.2.2. ESPACES LAISSÉS POUR DES COMBUSTIBLES



Top and bottom 0 in / 0 mm with a fire-resistant material between the boiler and the combustibles material.

Sommet et fond 0" (pouces) / 0 mm avec un matériel résistant au feu, entre le ballon et les matériaux combustibles.

Fig. 21

IMPORTANT:

- The boiler must not be installed on carpeting.
- Keeping boiler area clear and free from flammable vapors and liquid.

IMPORTANT:

- N'installez pas la chaudière sur un tapis ou une moquette.
- Ne stockez pas de produits inflammables à proximité de la chaudière.