

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-1449	Issue Date:	CBL: 061 D005001
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Location of Construction: 25 VAUGHAN ST	Owner Name: OLDHAM SARAH G & THEODO	Owner Address: 25 VAUGHAN ST	Phone:
Business Name:	Contractor Name: Grover Contracting	Contractor Address: 51 Burnham Drive Naples	Phone: 2075777282
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R4

Past Use: Single Family Home	Proposed Use: Single Family Home - install Viesman Boiler and Rinna Hot water - in basement	Permit Fee: \$170.00	Cost of Work: \$15,000.00	CEO District: 2
Proposed Project Description: install Viesman Boiler and Rinna Hot water - in basement		FIRE DEPT: N/A <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type: SB Mare G. Lyons Signature: [Signature]	
		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: 11/19/2010	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: 11/19/10	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: Any exterior work requires a separate review & approval
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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

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Business Name:	Contractor Name: Grover Contracting	Contractor Address: 51 Burnham Drive Naples	Phone (207) 577-7282
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

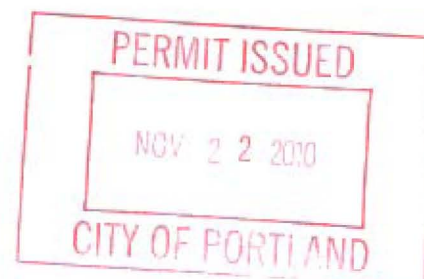
Proposed Use: Single Family Home - install Vicsman Boiler and Rinna Hot water - in basement	Proposed Project Description: install Vicsman Boiler and Rinna Hot water - in basement
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Dept: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckal Approval Date: 11/19/2010
 Note: Ok to Issue:

- 1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- 2) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 3) 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.
- 4) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
- 5) 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: Jonathan Rioux Approval Date: 11/22/2010
 Note: Ok to Issue:

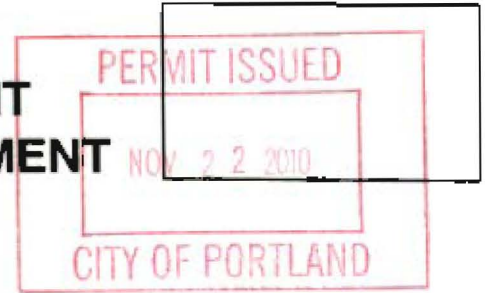
- 1) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.
- 2) The installation must comply with the State of Maine Gas Regulations.
- 3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.





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 25 VAUGHAN ST UDS Use of Building Residential Date 11/19/10
Name and address of owner of appliance THEODORE OGDHAM SAME

Installer's name and address GROVER CONTRACTING / Jeff Grover
51 BURNHAM DR NAPLES 04055 Telephone 207 577-7282

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: VIESMAN / RINNAI
Boiler / RINNAI HOT WATER

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 3882
- 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 _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 15,000

Permit Fee: \$ 170



Approved

Approved with Conditions

Fire: _____

See attached letter or requirement

Ele.: _____

Bldg.: _____

Inspector's Signature _____

Date Approved _____

Signature of Installer [Signature]



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

11.19 20 10

Received from

Grover

Location of Work

25 Vaughan

Cost of Construction \$ _____

Building Fee: _____

Permit Fee \$ _____

Site Fee: _____

Certificate of Occupancy Fee: _____

Total:

170

Building (I1) _____

Plumbing (I5) _____

Electrical (I2) _____

Site Plan (U2) _____

Other

IUA C

CBL:

6105

Check #: _____

Total Collected \$

170

No work is to be started until permit issued.

Please keep original receipt for your records.

Taken by: _____

JR

WHITE - Applicant's Copy

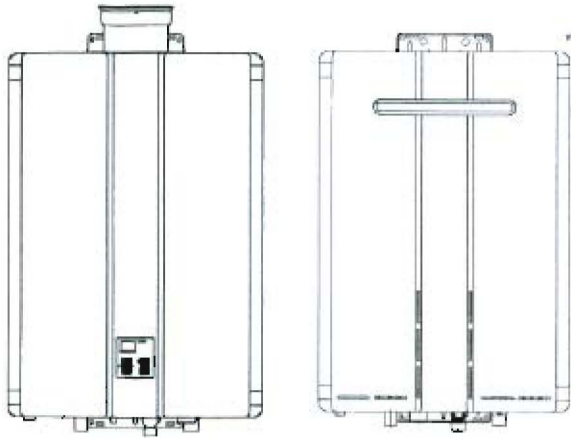
YELLOW - Office Copy

PINK - Permit Copy

Rinnai®

Direct Vent Tankless Water Heater

Operation and Installation Manual



FOR INDOOR APPLICATIONS ONLY

RC80HPiREU-KA2530FFUD-US

RC98HPiREU-KA3237FFUD-US

FOR OUTDOOR APPLICATIONS ONLY

RC80HPeREU-KA2530WD-US

RC98HPeREU-KA3237WD-US

Register your product at www.rinnairegistration.com or call 1-866-RINNAI1 (746-6241)

Table of Contents	2
Consumer Safety Information ..	4
Operating Instructions.....	5
Maintenance	12
Error Codes	13
Installation Instructions	17
Consumer Support.....	40
French Version	42

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

— **WHAT TO DO IF YOU SMELL GAS**

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

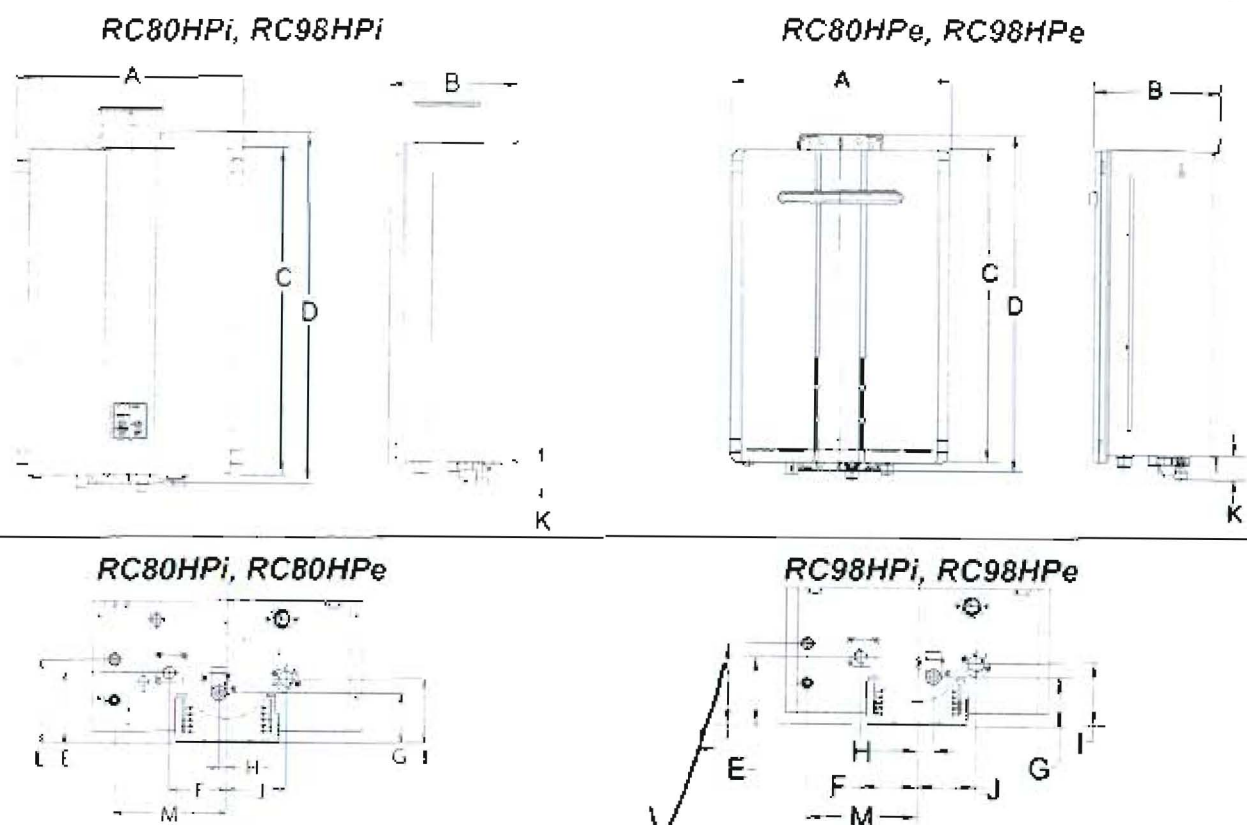
— Installation and service must be performed by a qualified installer, service agency or the gas supplier.



ANS Z21.10.3

CSA 4.3

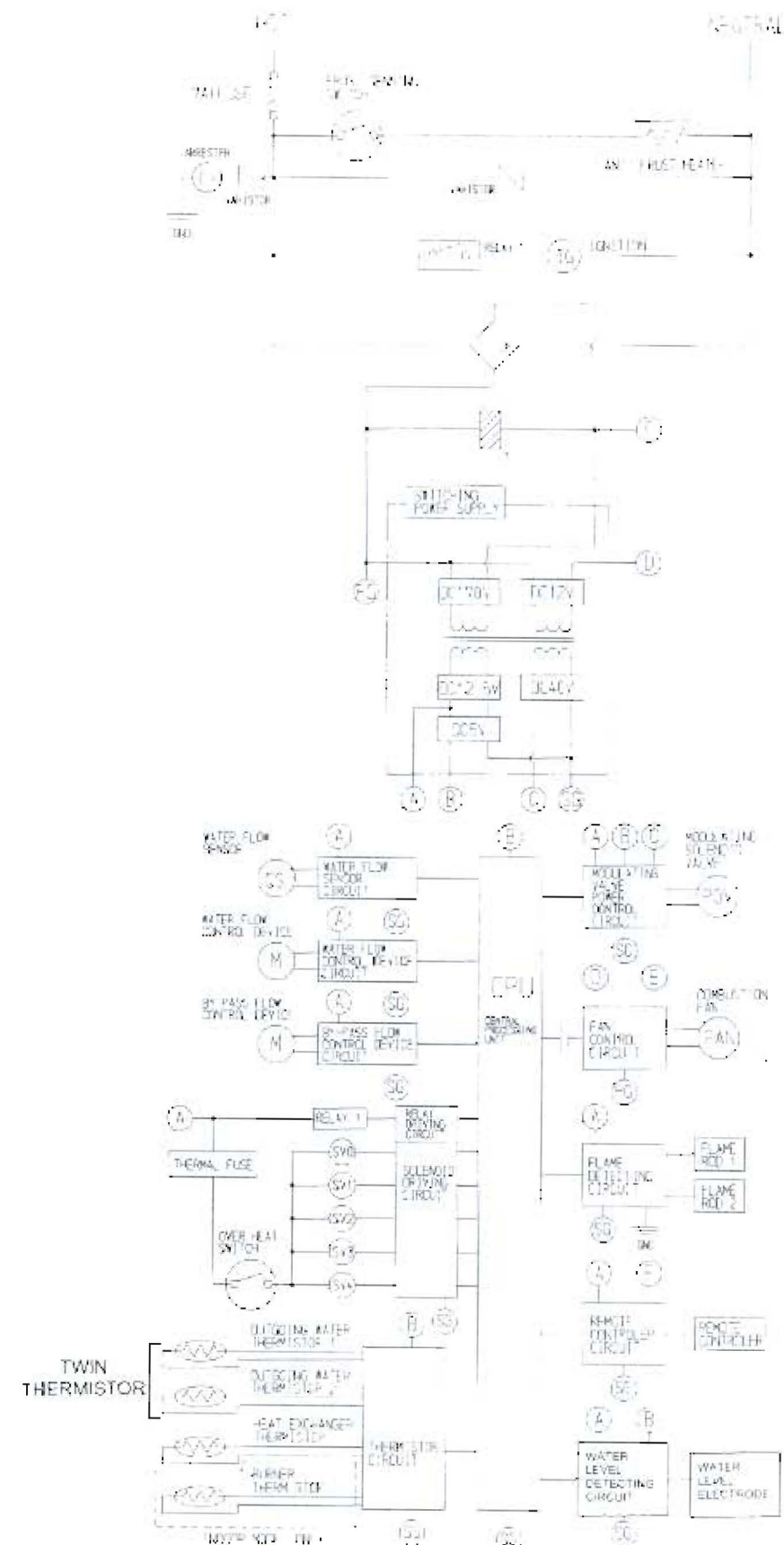
Dimensions



DI M	DESCRIPTION	RC80HPi in (mm)	RC98HPi in (mm)	RC80HPe in (mm)	RC98HPe in (mm)
A	Width	18.5 (470)	18.5 (470)	18.5 (470)	18.5 (470)
B	Depth	10.5 (266.9) *	10.5 (266.9) *	10.7 (271.9)	10.7 (271.9)
C	Height - Unit	26.4 (670)	26.4 (670)	26.4 (670)	26.4 (670)
D	Height - with brackets	28.5 (723.2)	28.5 (723.2)	28.4 (721.6)	28.4 (721.6)
E	Hot Water Outlet - from wall	4.3 (110) *	4.3 (110) *	4.5 (115)	4.5 (115)
F	Hot Water Outlet - from center	3.9 (100)	3.9 (100)	3.9 (100)	3.9 (100)
G	Cold Water Inlet - from wall	2.8 (70.0) *	2.9 (74.6) *	3.0 (75.0)	3.1 (79.6)
H	Cold Water Inlet - from center	0.5 (12.8)	1.1 (27.7)	0.5 (12.8)	1.1 (27.7)
I	Gas Connection - from wall	3.9 (99) *	3.9 (99) *	4.1 (104)	4.1 (104)
J	Gas Connection - from center	4.1 (103.2)	4.1 (103.2)	4.1 (103.2)	4.1 (103.2)
K	From base to gas connection	1.6 (40.2)	1.6 (40.2)	1.6 (40.2)	1.6 (40.2)
	From base to cold connection	2.0 (50.2)	2.0 (50.2)	2.0 (50.2)	2.0 (50.2)
	From base to hot connection	1.6 (41.2)	1.6 (41.2)	1.6 (41.2)	1.6 (41.2)
L	Condensate Drain - from wall	5.2 (132.6) *	5.2 (132.6) *	5.4 (137.6)	5.4 (137.6)
M	Condensate Drain - from center	7.7 (195)	7.7 (195)	7.7 (195)	7.7 (195)

* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40 mm).

Ladder Diagram



Installation Instructions

for use by heating contractor

VIESSMANN

Vitodens 200-W, WB2B Series

Models 45, 60

Wall-mounted, gas fired condensing boiler

For operation with natural gas and liquid propane gas

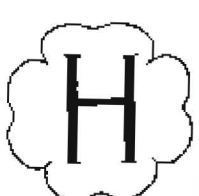
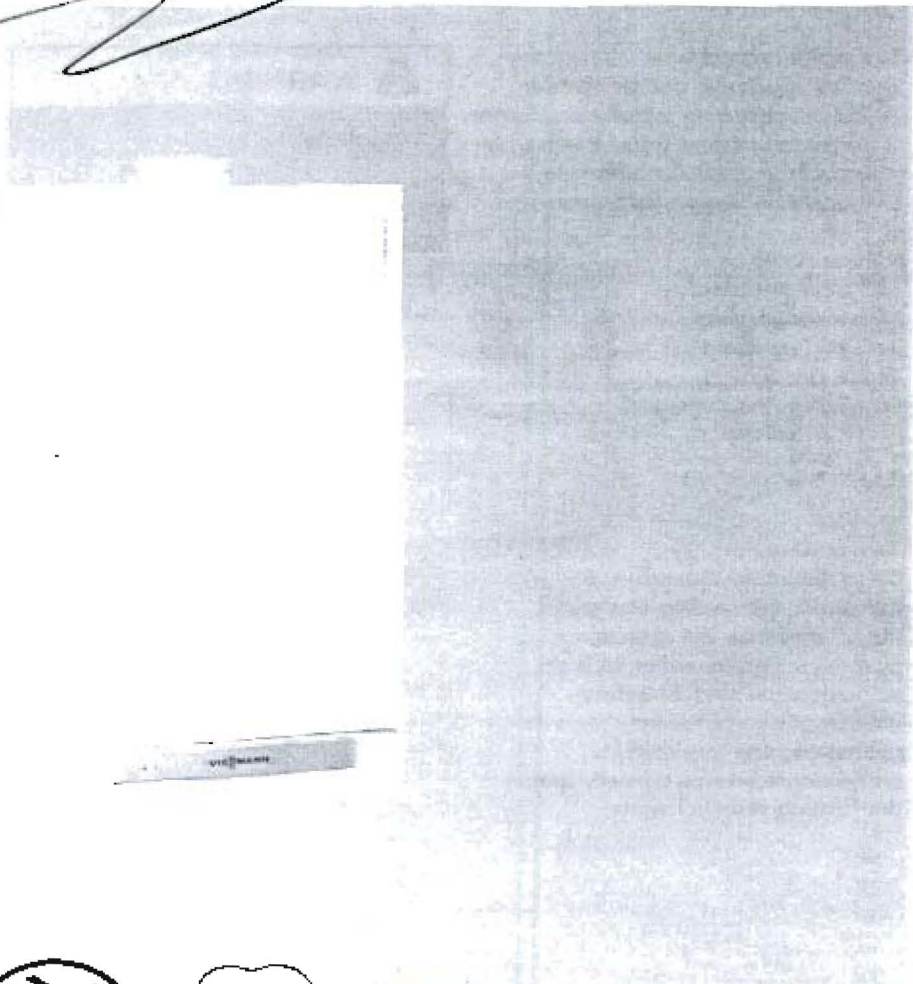
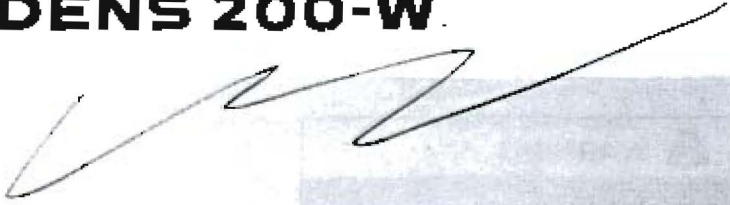
Heating input 60 to 212 MBH

17 to 62 kW

© 2010 Viessmann Werke



VITODENS 200-W



IMPORTANT

Read and save these instructions for future reference.

Technical Data

Table 4

Boiler Model	Model No. WB2B		45	60
Natural gas / liquid propane gas				
CSA input	MBH		60-160	60-212
	kW		17-47	17-62
CSA output/DOE ^{1,2}	MBH		55-146	55-194
heating capacity	kW		16-43	16-57
Net I = B = R rating ^{1,2}	MBH		127	169
Heat exchanger surface area	ft. ²		15.76	15.76
	m ²		1.46	1.46
Min. gas supply pressure				
Natural gas	"w.c.		4	4
Liquid propane gas	"w.c.		10	10
Max. gas supply pressure^{1,3}				
Natural gas	"w.c.		14	14
Liquid propane gas	"w.c.		14	14
A.F.U.E.	%		96.1	96.1
Weight	lbs		155	155
	kg		70	70
Boiler water content	USG		1.9	1.9
	ltr		7.2	7.2
Boiler max. flow rate ^{1,4}	GPM		15.4	15.4
	ltr/h		3500	3500
Max. operating pressure	psig		60	60
at 210°F / 99°C	bar		4	4
Boiler water temperature				
- Adjustable high limit (AHL) range				
space heating	°F		68 to 165	
(steady state)	°C		20 to 74	
DHW production	°F		165	
	°C		74	
- Fixed high limit (FHLL)				
	°F/°C		210/99	
Boiler connections				
Boiler heating supply and return	NPTM *		1 1/4	1 1/4
Pressure relief valve	NPTF *		3/4	3/4
Drain valve	(male thread)		3/4	3/4
Boiler supply/return for indirect-fired DHW storage tank (field supplied)	NPT *		1 1/4	1 1/4
Gas valve connection, NPTF			1	1

¹Output based on 140°F / 60°C, 120°F / 49°C system supply/return temperature.

²Net I = B = R rating based on piping and pick-up allowance of 1, 1.5.

³If the gas supply pressure exceeds the maximum gas supply pressure value, a separate gas pressure regulator must be installed upstream of the heating system.

⁴See "Typical System Flow Rates" on page 28 in this manual.