City of Portland, Maine	- Ruilding or Use F	ermit	Application	Permit No):	Issue Date:		CBL:			
389 Congress Street, 04101					1343			126 F00	08001		
Location of Construction:	Owner Name:		/	Owner Addr	ess:			Phone:			
8 ARLINGTON ST	DENNEY MIC	HAEL	T & MARLE	8 ARLING	STON S	ST					
Business Name:	Contractor Name:			Contractor A	ddress:			Phone			
	Carlo Doria			19 Sunrise	Dr Ca	pe Elizabeth	2077990066				
Lessee/Buyer's Name	Phone:			Permit Type	:			Zone:			
				HVAC					K5		
Past Use:	Proposed Use:			Permit Fee:		Cost of Worl		CEO District:	7		
Single Family Home		Home - install a		\$	\$6,00		3				
	Lochinvar - Kr	nght		FIRE DEPT: Approved			INSPECTION:				
				☐ Denied			Use G	Ose Group. 12 1ype. 313			
							Use Group: R3 Type: 5 IRC 2003 STME. GAS ROGS				
Proposed Project Description:							ST	ME. GAS	Rogs		
install a Lochinvar - Knight			Signature:								
				PEDESTRIA	AN ACT	TVITIES DIST	Signature: 3m ///30/09 TRICT (P.A.D.)				
				Action:	Appro	oved App	proved v	oved w/Conditions Denied			
				Signature:				Date:			
Permit Taken By:	Date Applied For: 11/23/2009			7	ıl						
Ldobson	C	sial Zana an David	ews Zoning Appeal				Historic Preservation				
 This permit application d Applicant(s) from meetin Federal Rules. 		cial Zone or Revio	ews	Varian				Not in District or Landmar			
Building permits do not i septic or electrical work.	nclude plumbing,	□ w	etland		Miscellaneous			Does Not Require Review			
3. Building permits are voic within six (6) months of t		Flo	ood Zone		Condit	ional Use		Requires Re	Requires Review		
False information may in permit and stop all work.	validate a building	☐ Su	abdivision		etation		Approved	Approved			
	Sit	te Plan		ved		Approved w	Approved w/Conditions				
		Maj [Minor MM		Denied	i		Denied			
		Date:	Im 11/30	Date Date): 			Date: Jm 11/30/09			
I hereby certify that I am the of I have been authorized by the jurisdiction. In addition, if a poshall have the authority to entersuch permit.	owner to make this apportunit for work describe	amed prolication and the	as his authorize application is	the proposed ad agent and issued, I cer	l I agree tify tha	e to conform it the code of rce the pro	to all	applicable laws s authorized rep	of this resentative		
SIGNATURE OF APPLICANT			ADDRE	SS		DAT	E NU	/ 3 0 2009 _H	ONE		



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

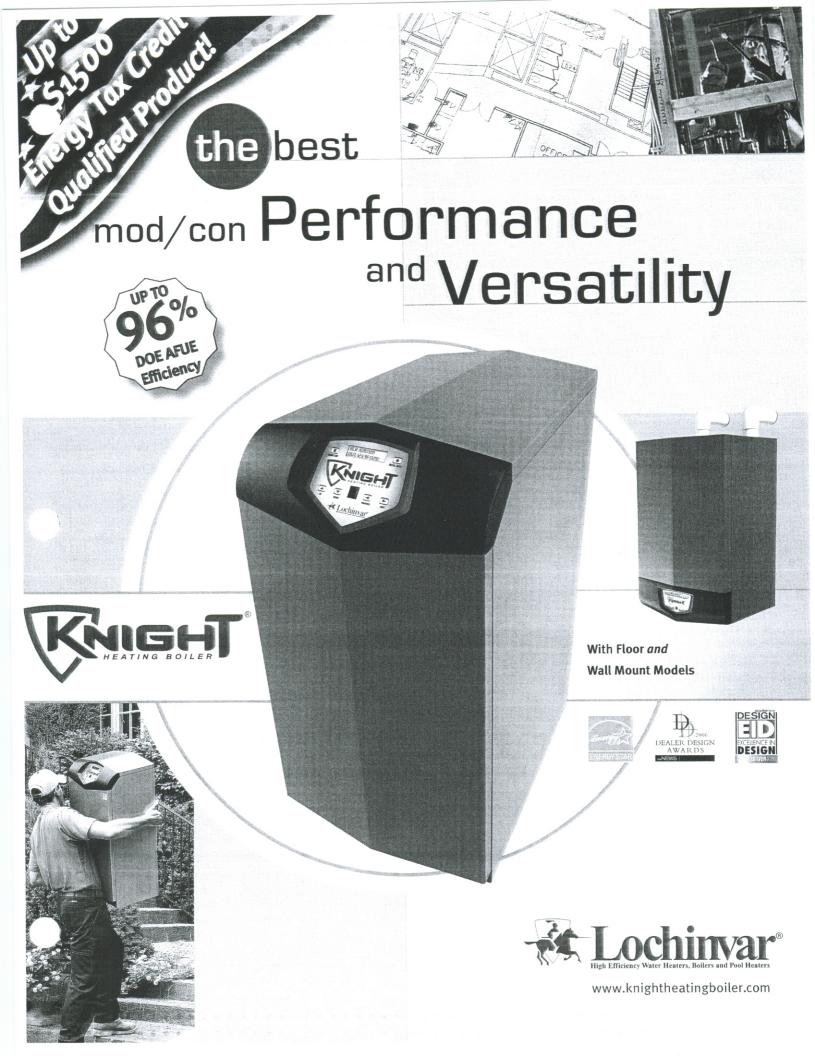
RMIT ISSUEL

OV 30 2009

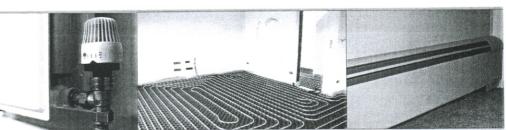
City of Portland

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.	Only a								
The undersigned hereby applies for a permit to insta	ll the following heating, cooking or power equipment in								
accordance with the Laws of Maine, the Building Code of th	e City of Portland, and the following specifications:								
Name and address of owner of appliance Mike + Marles #8 Arguntan Parkland M Installer's name and address (are Jones 7+H) Appendix Arguntan ME 04/07	Use of Building Single fam Date 11/23/09 Le Denney E 23 Waterhouse Rd Telephone 799-6066								
Location of appliance:	Type of Chimney:								
Basement									
☐ Attic ☐ Roof	Masonry Lined								
a Auto	Factory built								
Type of Fugi:	☐ Metal								
Gas Oil Solid	Factory Built U.L. Listing #								
	ractory Bunt O.L. Listing #								
Appliance Name: Loch moar- Knight	Direct Vent								
U.L. Approved Yes No	Type UL#								
	1ypo								
Will appliance be installed in accordance with the manufacture's	Type of Fuel Tank								
installation instructions? Yes No	Ogas 23								
	O OGas 2.2								
IF NO Explain:	UF -1/21								
1 110 Dapam	Size of Tank Number of Tanks								
	Size of Talik								
The Type of License of Installer:	Number of Tanks								
☐ Master Plumber #	Number of failes								
Solid Fuel #	Distance from Tank to Center of Flame feet.								
Oil #									
Gas # PNT Z335	Cost of Work: \$ 6000.								
Other	Permit Fee: \$								
G Otto	Fermit Fee: 5								
Annucual	Approved with Conditions								
<u>Approved</u>	— 								
Fire:	☐ See attached letter or requirement								
Ele.:									
Bldg.:	Inspector's Signature Date Approved								

Signature of Installer







KNIGHT is a great choice for radiant floor heating, baseboard and panel heater applications

Since its introduction in 2005, the KNIGHT modulating-condensing heating boiler has consistently delivered everything the professional needs for ease of installation and maintenance, and everything homeowners need for total comfort and long-term savings on energy costs.

With 5 floor-standing models and 5 compact Wall Mount units, Lochinvar offers the industry's broadest selection of modulating-condensing heating boilers. And KNIGHT is the industry's most advanced boiler design, including the SMART SYSTEM™

operating control that has quickly become a legendary benchmark among the trade!

For traditional space heating or radiant floor heating applications, KNIGHT offers your customers tremendous savings on energy costs compared to less efficient boilers. KNIGHT has earned the ENERGY STAR,



signifying that it has met strict energy-efficiency guidelines set by the EPA and U.S. Department of Energy.

10 Models - The Right Choice, for Every Application



Why do I like the KNIGHT? I don't know where to begin. he direct venting with 100 feet of intake and exhaust eliminates lot of problems. I also like the low voltage features, and the MART SYSTEM's outdoor reset capability. The internal sequencer is emendously powerful and ideal for multiple boiler installations. It's 'so great-looking, and aesthetics are important to my customers. When install KNIGHT, my customers know they are getting a highly efficient ate-of-the-art system, and they've all been completely satisfied."

- Paul Rohrs, Biggerstaff Radiant Solutions, Lincoln, NE

5 Flexible Venting Options

Vertical w/Sidewall Air Direct Vent Vertical* Direct Vent Sidewall* Direct Vent Sidewall







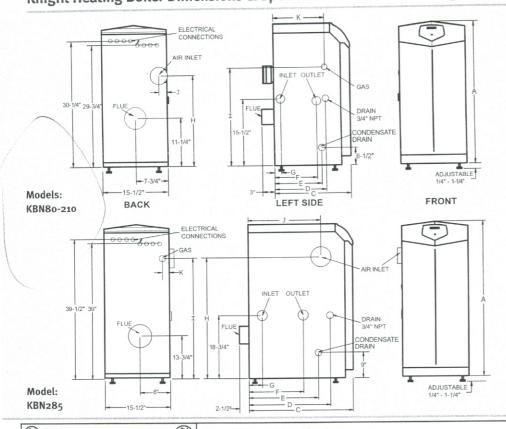


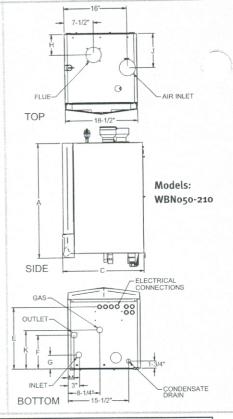
Vent using PVC, CPVC or Stainless Steel

Up to 100 feet of air intake and 100 feet of exhaust vent with PVC, CPVC or SS. *Optional Concentric Vent Kit sold seperately.

Knight Heating Boiler Dimensions & Specifications- Floor Standing Models

Wall Mount Models





	I-B-R	KNI	GHT H	leatin	g Boiler	i.B.R	Dimens	Dimensions and Specifications														
- 1	Model		Max		Heating Capacity					-	į	•				K	М	Gas Conn.	Water Conn.	Air Inlet		Shipping Weight
	lumber			%	МВН	МВН	A 20.1/4/	15.2/4"	D	10.2/4"	F 10.2/4"	G	H 6.2/6"	NA	3-1/4"	4-1/4"	2-3/4"	1/2"	1"	2"	2"	130
V	VBN050	10	50	95.3	45	39	29-1/4"	15-3/4"	NA	10-3/4"	10-3/4"		6-3/4"						1			
V	VBN080	16	80	95.3	72	63	29-1/4"	15-3/4"	NA	10-3/4"	10-3/4"	2"	6-3/4"	NA	3-1/4"	4-1/4"	2-3/4"	1/2"	1"	2"	2"	130
V	VBN105	21	105	95.4	94	82	29-1/4"	15-3/4"	NA	10-3/4"	10-3/4"	3-1/2"	5-1/2"	NA	3-1/4"	4-1/4"	2-3/4"	1/2"	1"	2"	2"	134
V	VBN150	30	150	95.5	135	119	29-1/4"	20-3/4"	NA	15-3/4"	8-1/2"	3-1/2"	5-1/2"	NA	8-3/4"	9-3/4"	1-1/2"	1/2"	1"	3"	3"	162
V	VBN210	42	210	95.7	190	165	29-1/4"	25"	NA	20"	12"	3-1/2"	5-1/2"	NA	13"	14"	1-1/2"	1/2"	1"	3"	3"	177
K	(BN080	16	80	95.3	72	63	33-1/4"	14"	7"	5-3/4"	5"	3"	20-1/2"	22"	1-3/4"	6-1/2"	NA	1/2"	1"	3"	3"	125
K	BN105	21	105	95.4	94	82	33-1/4"	14"	6-1/2"	5-3/4"	4-1/2"	1-1/2"	20-1/2"	22"	1-3/4"	6-1/2"	NA	1/2"	1"	3"	3"	129
2	(BN150	30	150	95.5	135	119	33-1/4"	18"	12-1/4"	11-1/2"	10"	1-1/2"	21-1/4"	23"	1-3/4"	12"	NA	1/2"	1"	3"	3"	157
k	(BN210	42	210	95.7	190	165	33-1/4"	22-1/4"	16-1/2"	15-3/4"	14-1/4"	5-1/4"	21-1/4"	23"	1-3/4"	16-1/4"	NA	1/2"	1"	3"	3"	172
	(BN285	57_	285	96.0	260	226	42-1/2"	19-3/4"	12-3/4"	13-1/2"	6"	2"	34"	31"	11-3/4"	4-1/4"	NA	3/4"	1-1/4"	4"	4"	224
Notes: Performance data based on manufacturer's test re							est results.	esults. Indoor installation only. All information subject to change.						Change "N" to "L" for LP gas models.								

Standard Features

- > Energy Star® Qualified
- > Up to 96% DOE AFUE Efficiency
- > Modulating Burner with 5:1 Turndown
 - > Direct-Spark Ignition
 - > Low NOx Operation
 - > Field Convertible from Natural to LP Gas

> Vertical & Horizontal Direct-Vent

- > PVC, CPVC or SS Venting up to 100 Feet
- > Factory Supplied Sidewall Vent Termination
- > ASME Stainless Steel Heat Exchanger
- > Automatic Reset High Limit
- > Inlet & Outlet Temperature Sensors
- > Boiler Circulating Pump
- > 30 psi ASME Relief Valve
- > Adjustable Leveling Legs (KB Models only)
- > Wall Mount Bracket (WB Models only)
- > Zero Clearances to Combustible Material
- > 12 Year Limited Warranty (See Warranty for Details)

SMART SYSTEM™ Features

> SMART SYSTEM Digital Operating Control

- > 2 line, 16 Character Display
- Dual Level Password Security
- > Domestic Hot Water Prioritization
- > Built in Cascading Sequencer for up to 8 Boilers
- > 0-10 VDC Input Control
- > Outdoor Reset Control with Outdoor Air Sensor
- > Low Water Flow Safety Control & Indication
- > Alarm on Any Failure Contacts
- > Service Reminder
- > Freeze Protection
- > Night Setback
- > Time Clock
- > Three Pump Control (System, Boiler & DHWP)
- > Data Logging
- > Examples: Hours Running, Space Heating
- $> Programmable \ System \ Efficiency \ Optimizers$
 - > Examples: Anti-cycling, Ramp Delay

Optional Equipment

- > Adjustable High Limit w/ Manual Reset
- > Flow Switch
- > Low Water Cutoff w/Manual Reset & Test
- > Alarm Bell
- > Concentric Vent Kit
- > Condensate Neutralization Kit
- > SMART SYSTEM PC Software
- > Multi-Stack Frame

Firing Codes

- > M9 Standard Construction
- > M7 California Code













