

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 05-0298	Issue Date: PERMIT ISSUED	CBL: 299 D007001
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Location of Construction: 21 Belfort St	Owner Name: Fowler Debra J &	Owner Address: 21 Belfort St	Phone:
Business Name:	Contractor Name: Frost N Flame	Contractor Address: 629 Main St. Gdrham	Phone: 2078567000
Tenant/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-3

Current Use: Single family	Proposed Use: Single family install 32 DUS fireplace	Permit Fee: \$48.00	Cost of Work: \$2,911.25	CEO District: 5
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Proposed Project Description: Install a 32 DUS fireplace	FIREDEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied INSPECTION: Use Group: <i>V</i> Type: <i>Heating</i> <i>State Camp Regs.</i> 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: _____
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Permit Taken By: dmartin	Date Applied For: 03/23/2005	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. 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: _____	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: _____
	(This section contains handwritten signatures and initials for each of the three review categories.)		

CERTIFICATION

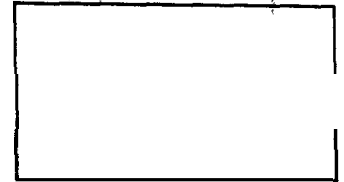
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



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 _____ Use of Building _____ Date _____

Name and address of owner of appliance _____

Installer's name and address _____

Telephone _____

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: _____

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 # _____
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ _____

Permit Fee: \$ _____

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer _____

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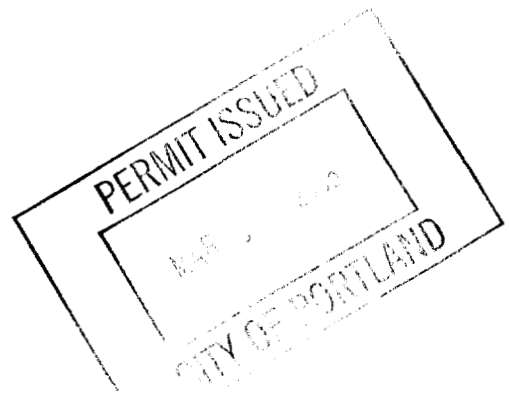
Permit No: 05-0298	Date Applied For: 0312312005	CBL: 299 D007001
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Location of Construction: 21 Belfort St	Owner Name: Fowler Debra J &	Owner Address: 21 Belfort St	Phone:
Business Name:	Contractor Name: Frost N Flame	Contractor Address: 629 Main St, Gorham	Phone (207) 856-7000
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

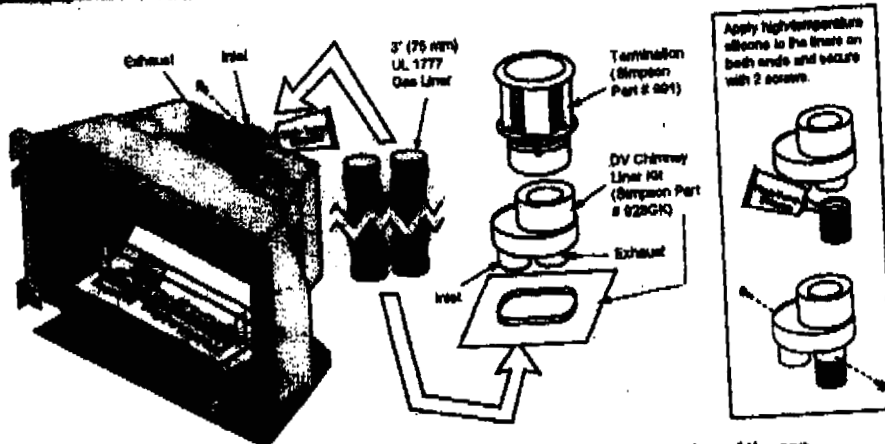
Proposed Use: Single family install 32 DUS fireplace	Proposed Project Description: Install a 32 DUS fireplace
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Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 0312912005
Note: within existing footprint **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 0312912005
Note: 1) The installation must comply with the State of Maine Gas Regulations. **Ok to Issue:**

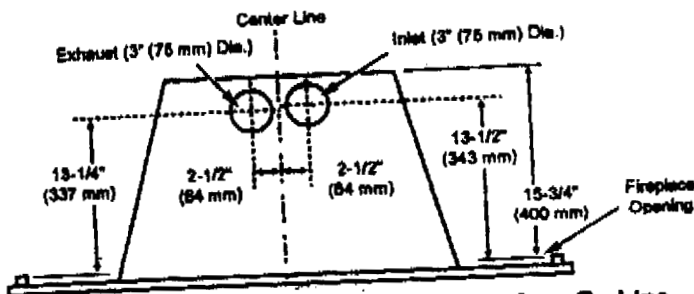


Vent Installation



Make sure to route the exhaust liner to the exhaust portion of the cap.

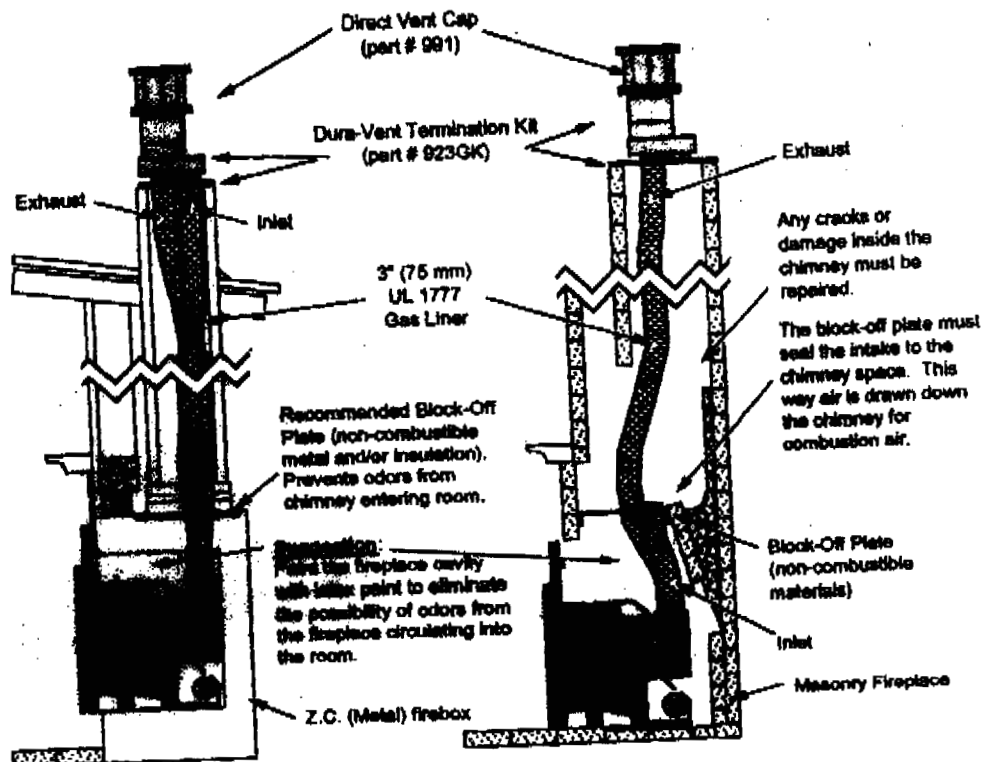
Vent Location



Vent Configurations

Inlet & Exhaust Re-Line

Exhaust Only Re-Line (recommended)



NOTE: You may use either re-line configuration with a masonry or zero-clearance fireplace.

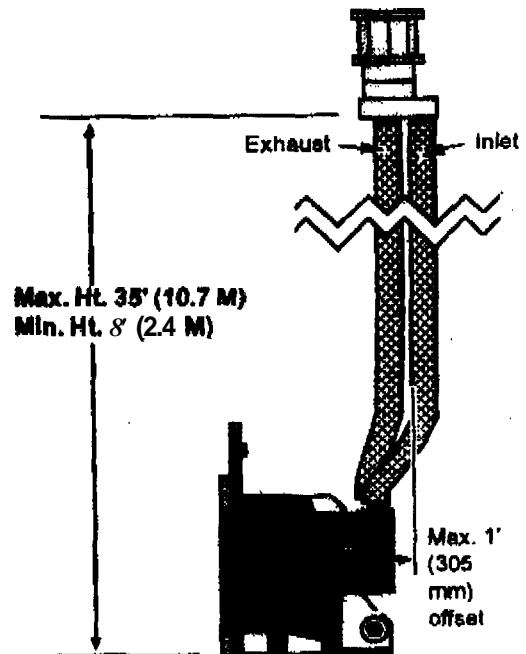
Vent Requirements

- ! The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.
- ! Make sure the exhaust pipe on the heater connects to the exhaust portion of the cap. The illustrations below show how the flex liners should be attached.
- The exhaust vent must reline the entire length of the chimney and terminate above the chimney top
- ! Be careful **not** to crimp or rupture the liner when bending it into chimney offsets
- When installed, the vent must meet all of the vent manufacturer's requirements
- Make sure to order the following:
 - 3' UL 1777 Gas Liner for Air Inlet and Exhaust
 - Dura-Vent Adapter & Flashing (part # 923GK).
 - Vertical Termination Cap (Dura-Vent pt # 991)

Altitude Considerations

This heater has been tested at altitudes ranging from sea level to 8,000 feet (2,400 M). In this testing we have found that the heater, with its standard orifice, burns correctly with just an air shutter adjustment. If local codes require resizing the orifice, in the U.S.A. refer to ANSI 223.1, Appendix P, in Canada B-149.1 or B-149.2

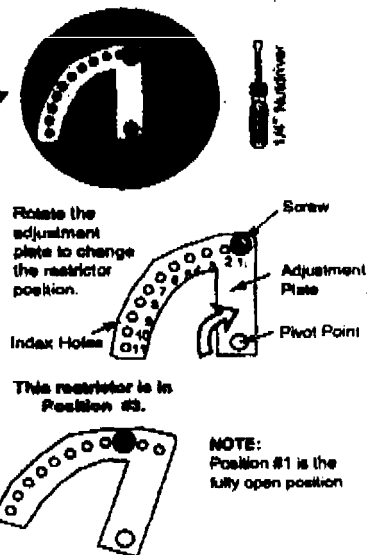
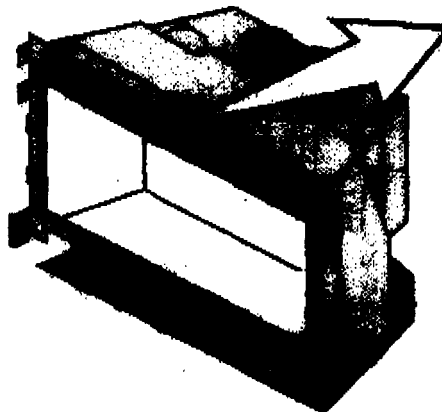
- ! Failure to adjust the air shutter properly may lead to improper combustion which can create a safety hazard. Consult your dealer or installer if you suspect an improperly adjusted air shutter.



Vent Restrictor

WARNING: Restrictor adjustment should only be done by a qualified installer.

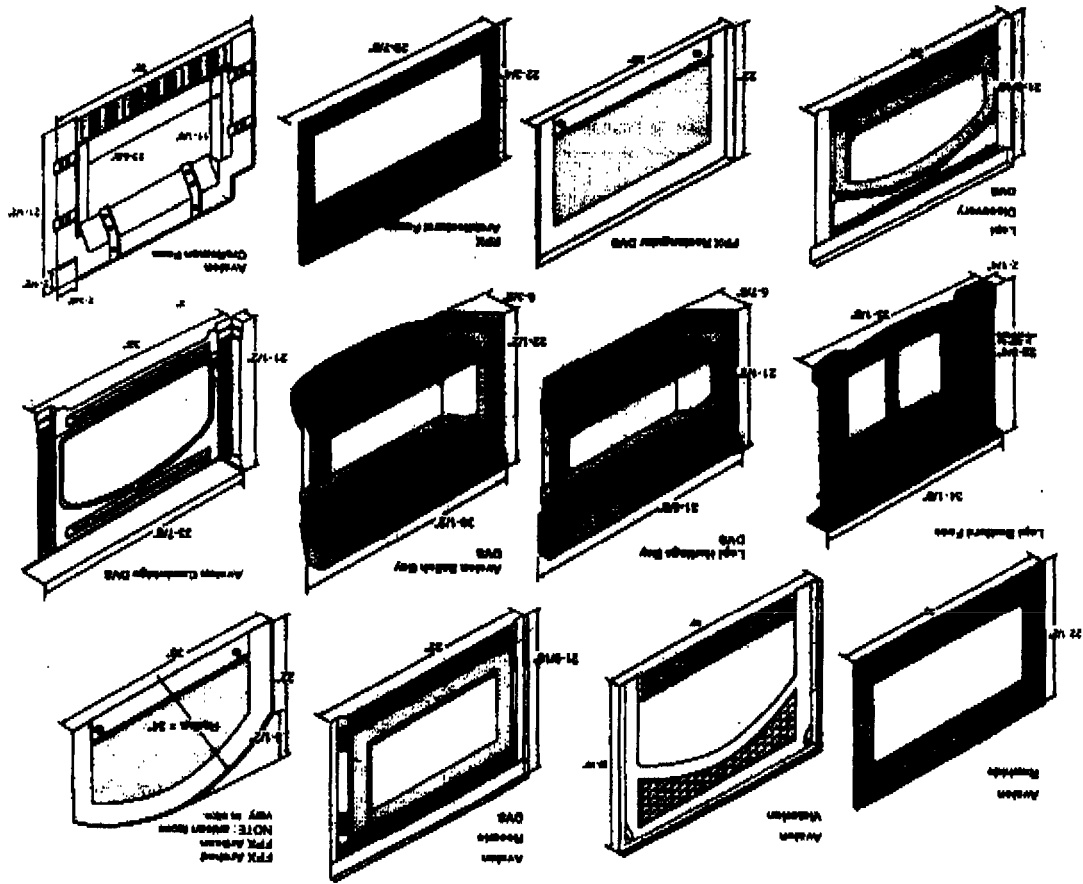
Only those installations determined to be over-drafting require this adjustment. The best indication of over-drafting is a hyper-active flame pattern (flames that move too quickly). If the air shutter is constricted, the flames become short and yellow, yet still very active. Over-drafting may affect the pilot, but this is not the best way to determine over-drafting. Over-drafting is most likely in tall venting configurations (especially if using an "Exhaust Only Re-Line"). Do not over-restrict the vent (this leads to ghosting or lifting flames - reduce restrictor setting).



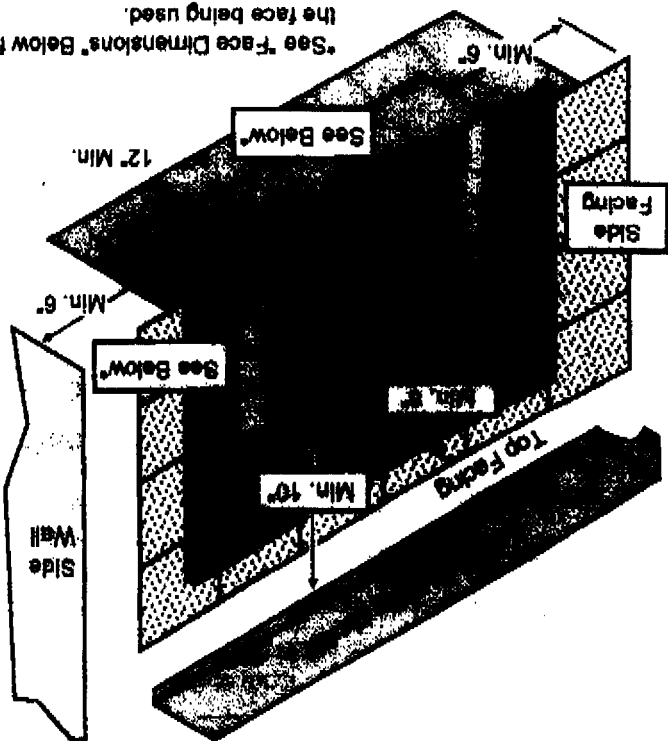
To Adjust the Restrictor:

- 1 Determine a restrictor position. Start low (move the restrictor a maximum two positions at a time) and thoroughly test the heater before adjusting further.
- 2 Remove the screw with a 1/4" nutdriver (or screwdriver).
- 3 Rotate the adjustment plate clockwise until the correct index hole is below the pivot point.
- 4 Insert the screw into the correct index hole and tighten.

NOTE: Position #1 is the fully open position



the face being used.
 See "Face Dimensions" Below for



Face Dimensions

NOTE: The combustible area above the facing must not protrude more than 3/4" from the facing. If it does, it is considered a mantel and must meet the mantel requirements listed in this manual.

Mantel Clearances

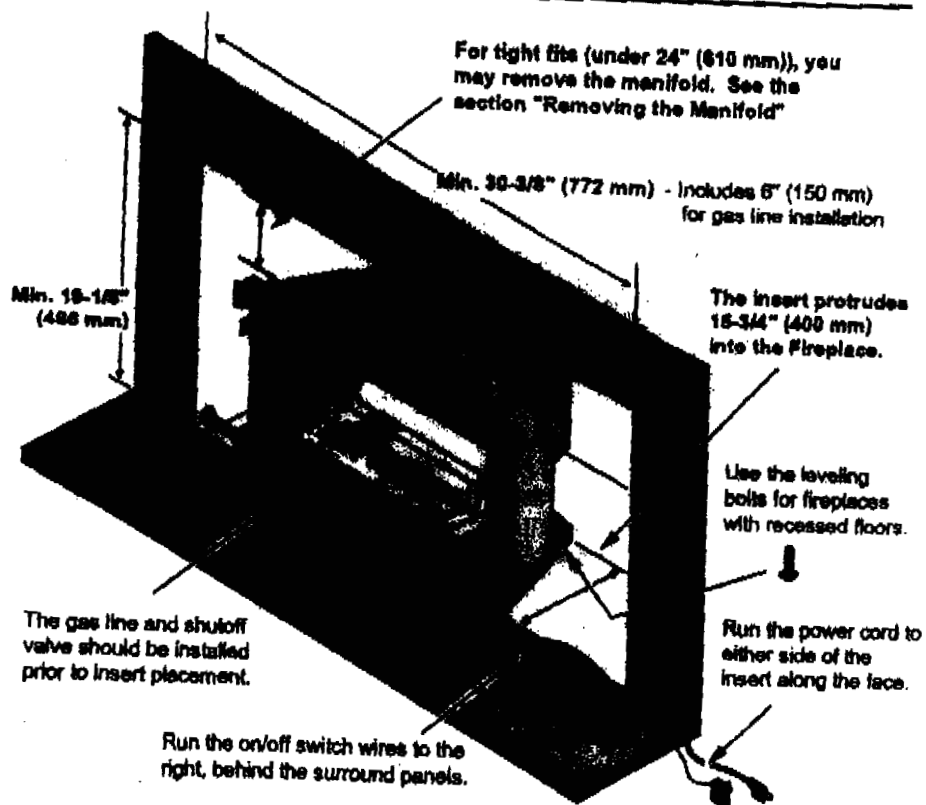
The mantel must be a minimum 10" above the face and a maximum 8" deep.

Insert Clearances

No combustibles may be within, or swing within, 36" of the front of the insert (drapes, doors).

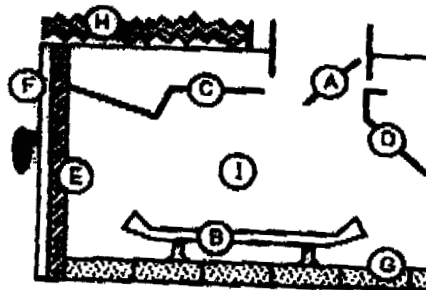
Insert Placement

- Insert must be placed within a code-conforming masonry fireplace or tested and listed zero-clearance (metal) fireplace. Fix any fireplace damage prior to installation.
- Because the insert uses a circulation blower, clean the fireplace, smoke shelf, and chimney prior to installation. We recommend painting the interior surface of the fireplace with latex paint to further eliminate dust.
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.



Zero-Clearance (Metal) Fireplace Requirements:

- The damper ("A") and grate (with log set) ("B") must be removed (see the illustration below)
 - The smoke shelf ("C"), internal baffles ("D"), screen ("E"), masonry lining or refractory ("G" & "I"), and metal or glass doors ("F") may be removed (if applicable)
- NOTE:** If any internal baffle is cut, bent, or removed, the fireplace must be permanently marked to indicate that it has been altered and is no longer suitable for burning solid fuel (wood).
- The insulation ("H"), and any structured rigid frame members (metal sides, floor, door frame, face of the fireplace, etc.) must not be removed or altered.



Hearth Requirements

- The heater must be installed on a non-combustible hearth extending a minimum 12" from the fireplace opening (local codes may require a larger hearth). The hearth must also extend to both sides of the face (see the table above for the exact width of the face).

Travis Industries

Features:

- Work During Power Outages (millivolt system)
- High Efficiency
- Optional Thermostat or Remote Control
- Ember Fyre™ for a "Wood Fire" Look
- Quiet Blower for Effective Heat Distribution
- Convenient Operating Control
- Variable-Rate Heat Output
- Low Maintenance

Installation Options:

- Residential or Mobile Home
- Fireplace Insert
- Masonry or Zero Clearance (Metal) Fireplace

Heating Specifications:

Approximate Heating Capacity (in square feet)*
 BTU Input Per Hour on High
 BTU Input Per Hour on Low
 Efficiency** (with blowers on)
 AFUE (Annual Fuel Utilization Efficiency)

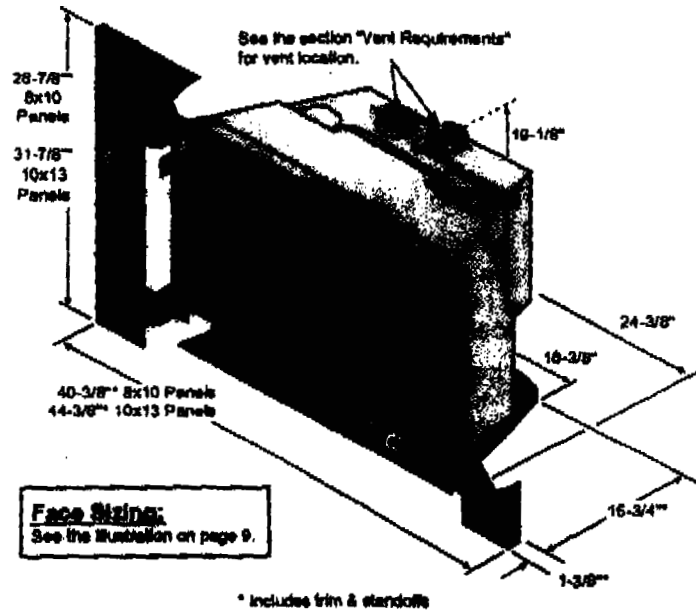
Natural Gas

500 to 1,500
 31,000
 18,600
 71.3 %

Propane

500 to 1,500
 31,000
 16,000
 71.8 %

- Heating capacity will vary with floor plan, insulation, use of power heat vent, and outside temperature.
- ** Efficiency rating is a product thermal efficiency rating determined under continuous operation independent of installed system.



Fuel:

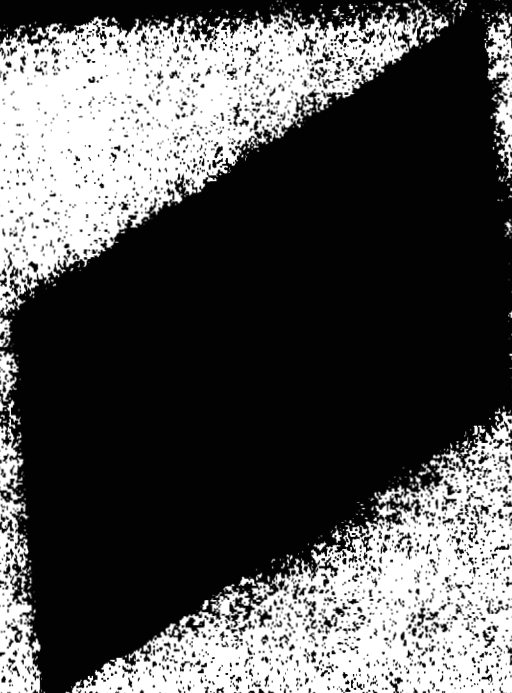
This heater is designed either for natural gas or for propane. Check the sticker on top of the gas control valve or check with the installer to verify gas use.

Compliance:

This unit has passed the ANSI Z21.88 – 1998, CSA 2.33 M98 Vented Gas Fireplace Heater Standard as tested by OMNI-Test Laboratories, Inc. Beaverton, Oregon.

Electrical:

120 Volts, 1.3 Amps, 60 Hz (150 watts on high)



Following the



[REDACTED]

[REDACTED]

[REDACTED] of the [REDACTED] or any

[REDACTED] of the gas supplier

[REDACTED] of the gas supplier's instructions.

[REDACTED]