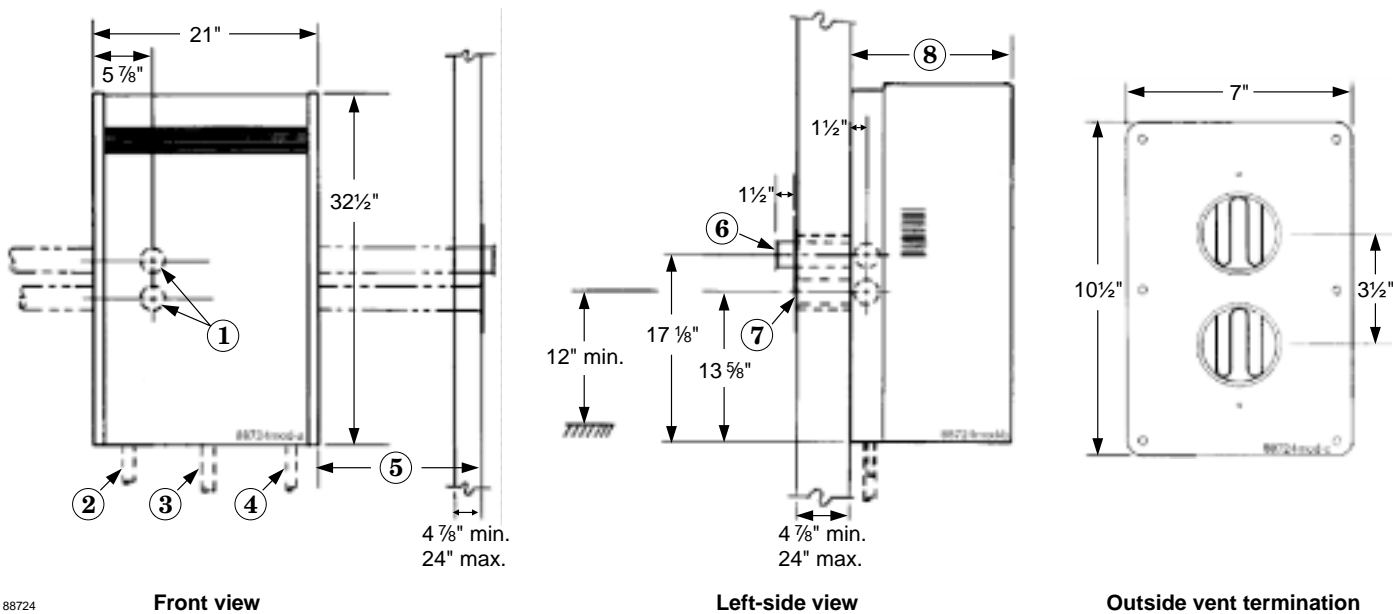




14 Dimensions

Figure 34



Item number	Description
1	Rear vents
2	Gas supply Natural gas connection size 3/8" NPT (Gas piping from meter to boiler to be sized per local utility requirements.)
3	System supply, 3/4" NPT
4	System return, 3/4" NPT
5	See Figure 1, page 10
6	2 3/8" diameter exhaust vent
7	2 3/8" diameter intake vent
8	Boiler depth AHE-45 — 14 7/8" AHE-60 — 17 7/8"

Boiler model	Boiler crate dimensions (outside measurement, inches) (Note 1)			Approximate weight (boiler only, pounds)	
	Length	Width	Height	Shipping	Uncrated
AHE-45	36	19 1/2	24 1/2	145	132
AHE-60	36	19 1/2	24 1/2	177	166

Note 1: Boiler and components shipped in separate cartons.



15 Ratings



DOE



Boiler model number	0-2,000 feet altitude		2,000-4,500 feet altitude (Canada)		Net I=B=R ratings (Btuh)	Boiler water content (gallons)	DOE Seasonal efficiency (% AFUE)
	Input (Btuh)	DOE Heating capacity (Output) (Btuh)	Input (Btuh)	Output (Btuh)			
		(Note 1)			(Note 2)		
AHE-45	45,000	38,000	40,500	34,500	33,000	1.15	85.3
AHE-60	60,000	51,000	54,000	46,000	44,000	1.73	85.5

Notes

1. Based on standard test procedures prescribed by the United States Department of Energy.
2. Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup factory of 1.15. An Additional allowance should be made for unusual piping and pickup loads.

AHE boilers tested at 50 PSI working pressure.



Handling ceramic fiber and fiberglass materials

REMOVAL OF COMBUSTION CHAMBER LINING OR BASE PANELS

WARNING

The combustion chamber lining or base insulation panels in this product contain ceramic fiber materials. Ceramic fibers can be converted to cristobalite in very high temperature applications. The International Agency for Research on Cancer (IARC) has concluded, "Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).":

- Avoid breathing dust and contact with skin and eyes.
 - Use NIOSH certified dust respirator (N95). This type of respirator is based on the OSHA requirements for cristobalite at the time this document was written. Other types of respirators may be needed depending on the job site conditions. Current NIOSH recommendations can be found on the NIOSH web site at <http://www.cdc.gov/niosh/homepage.html>. NIOSH approved respirators, manufacturers, and phone numbers are also listed on this web site.
 - Wear long-sleeved, loose fitting clothing, gloves, and eye protection.
- Apply enough water to the combustion chamber lining or base insulation to prevent airborne dust.
- Remove combustion chamber lining or base insulation from the boiler and place it in a plastic bag for disposal.
- Wash potentially contaminated clothes separately from other clothing. Rinse clothes washer thoroughly.

NIOSH stated First Aid.

- Eye: Irrigate immediately
- Breathing: Fresh air.

REMOVAL OF FIBERGLASS WOOL — OR —

INSTALLATION OF FIBERGLASS WOOL, COMBUSTION CHAMBER LINING OR BASE PANELS:

WARNING

This product contains fiberglass jacket insulation and ceramic fiber materials in combustion chamber lining or base panels in gas fired products. Airborne fibers from these materials have been listed by the State of California as a possible cause of cancer through inhalation.

- Avoid breathing dust and contact with skin and eyes.
 - Use NIOSH certified dust respirator (N95). This type of respirator is based on the OSHA requirements for fiberglass wool at the time this document was written. Other types of respirators may be needed depending on the job site conditions. Current NIOSH recommendations can be found on the NIOSH web site at <http://www.cdc.gov/niosh/homepage.html>. NIOSH approved respirators, manufacturers, and phone numbers are also listed on this web site.
 - Wear long-sleeved, loose fitting clothing, gloves, and eye protection.
- Operations such as sawing, blowing, tear out, and spraying may generate airborne fiber concentration requiring additional protection.
- Wash potentially contaminated clothes separately from other clothing. Rinse clothes washer thoroughly.

NIOSH stated First Aid.

- Eye: Irrigate immediately
- Breathing: Fresh air.



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