



HEARTH PRODUCTS

P/N 506035-42 Rev. C 09/2012

SPECIFICATIONS

**Rhapsody™ Linear
Direct-Vent Gas Fireplace**
[Model RHAP42N and RHAP54N]

DAVE LENNOX
signature
COLLECTION

FIREPLACE DIMENSIONS

Viewable Glass Size	
RHAP42N	40" Wide x 10-1/2" High
RHAP54N	51" Wide x 14-3/4" High
Vent Collar Size	
4-1/2" Inner / 7-1/2" Outer	

IMPORTANT!

Before installing fireplace, nailing flanges **MUST** be adjusted according to finish (cleanface or surround) and wall finish material thickness. This is critical to ensure proper fireplace location, especially if installing optional Surround and Bezel. See Figure 7.

Assemble **TOP SPACERS** before installing fireplace (Figure 12).

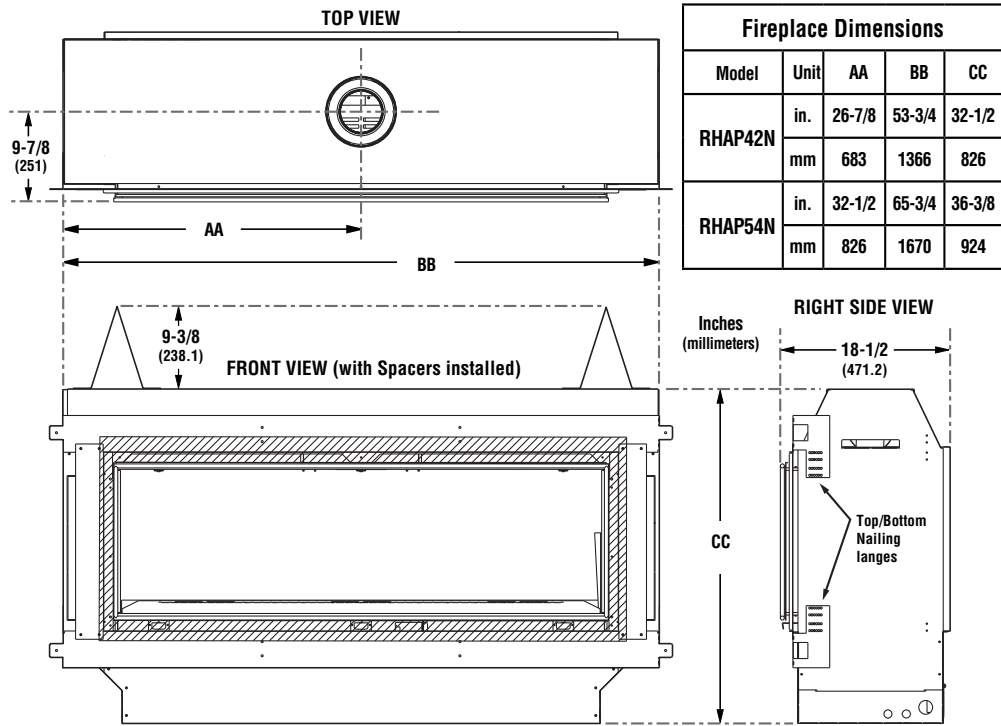


Figure 1

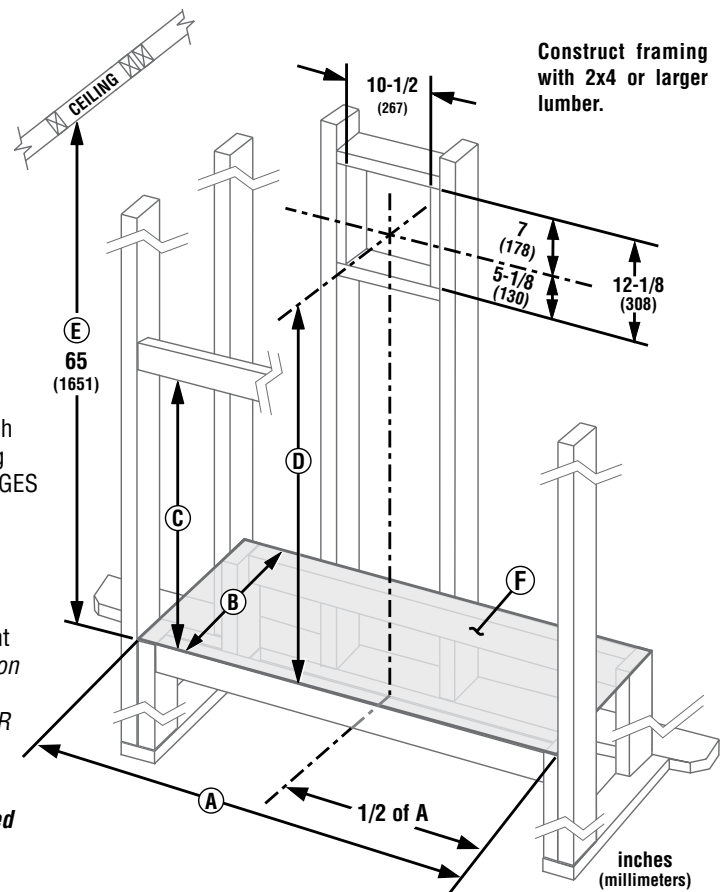
FRAMING DIMENSIONS

Framing Dimensions					
Model	Unit	A	B	C	D
RHAP42N	in.	53-3/4	18-1/2	42	50-3/8
	mm	1366	470	1067	1280
RHAP54N	in.	65-3/4	18-1/2	46-3/4	48-1/4
	mm	1670	470	1184	1226

Note: Illustration provided for dimension information only. Fireplace must be adequately framed and supported.

- A** = Required frame opening width. (1/2 of A = horizontal centerline of fireplace and vent framing opening. See EXTERIOR WALL OPENING FRAMING section.)
- B** = Required frame opening depth with 1/2" (13mm) thick wall finish material. For other wall finish thicknesses, adjust frame opening depth and nailing flanges accordingly (see UNIT NAILING FLANGES section).
- C** = Min. frame opening height (from base of appliance to header).
- D** = Min. height from appliance base to vertical centerline of horizontal termination vent pipe (with 6" [RHAP54] or 12" [RHAP42] straight vent section and 90° elbow off appliance vent collar). (**Note:** The vertical centerline of the horizontal termination vent pipe is NOT the same as the vertical centerline of the vent frame opening because of firestop/spacer offset. See EXTERIOR WALL OPENING FRAMING section.)
- E** = Min. height from appliance base front to ceiling.
- F** = Mounting platform (**Note:** Mount appliance on a fully supported platform extending full width and depth of unit.)

Figure 2



NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

MINIMUM CLEARANCES TO COMBUSTIBLES

The appliance is approved with zero clearance to combustible materials on both sides (see **Figure 3**), with the following exceptions:

- When unit is installed with one side flush with a wall, the wall on the other side of unit must not extend beyond unit front edge.
- When unit is recessed, the side walls surrounding the unit must not extend beyond unit front edge (see **Figure 6**).

MINIMUM CLEARANCES TO COMBUSTIBLES ①

Back	1/2" (12.7 mm) to unit 0" (0 mm) to spacers
Sides	1/2" (12.7 mm) to unit 0" (0 mm) to spacers ②
Top Spacers	0" (0 mm)
Floor	0" (0 mm)
Unit Bottom to Ceiling	65" (1651 mm)
Vent Pipe	Top: 3" (76 mm) ① Sides: 1" (25.4 mm) Bottom: 1" (25.4 mm)

SERVICE CLEARANCES

Front	36" (152.4 mm)
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- ① 3" (76 mm) above any horizontal/inclined vent component.
- ② See **FRAMING THE FIREPLACE** for clearance requirements to nailing flanges on unit sides and any adjacent screw heads.

Figure 3

RECESSED SHELF

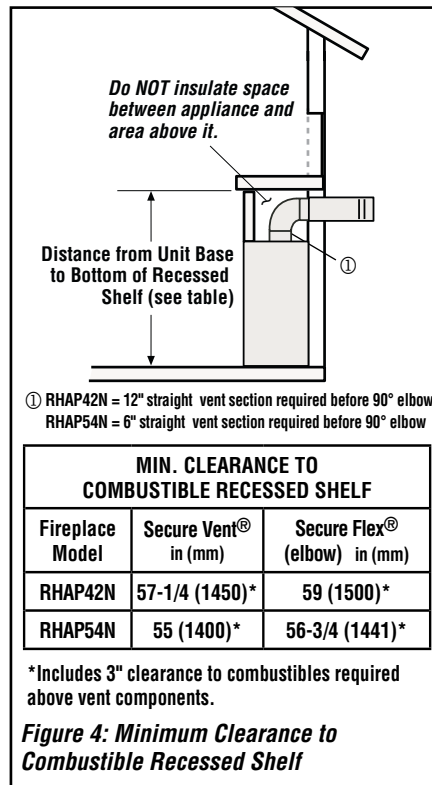
These direct-vent appliances are suitable for installations with a recessed shelf above the fireplace. See **Figure 4** for minimum clearances from the appliance base to the underside of any combustible material used to construct such a shelf.

Note:

- Do NOT insulate the space between the appliance and the area above it.
- This is a heat-producing appliance. Objects placed above the unit are exposed to elevated temperatures.

HEARTH EXTENSION

A hearth extension is not required with this appliance. Any installed hearth extension would be for appearance only and does not have to conform to standard hearth extension installation requirements.



MANTELS

Non-Combustible Mantels

Mantels constructed of non-combustible material may be installed at any height above the appliance opening; however, do NOT allow anything to hang below the top edge of the fireplace door.

Combustible Mantels

Clearances to combustible mantels vary according to mantel depth. See **Figure 5** for details.

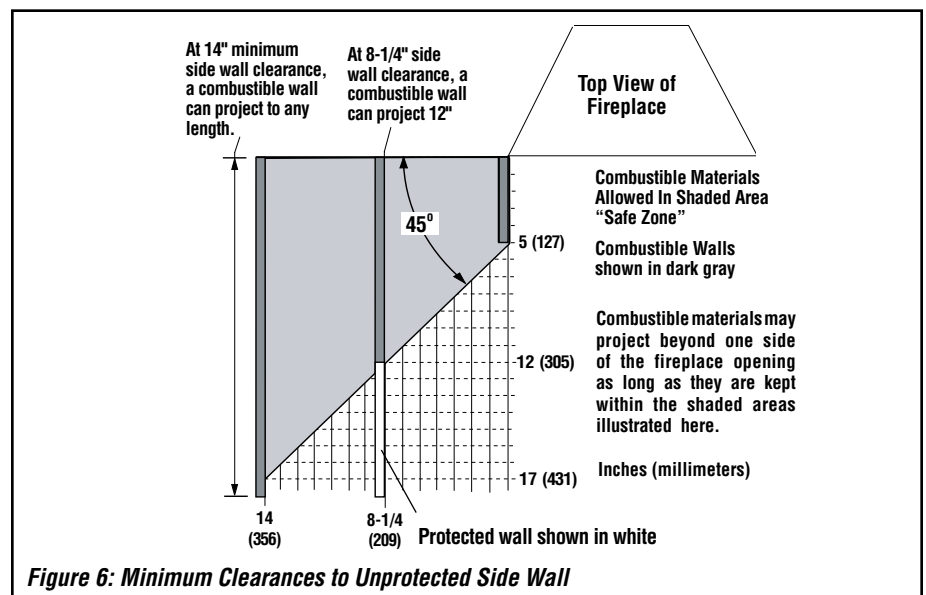
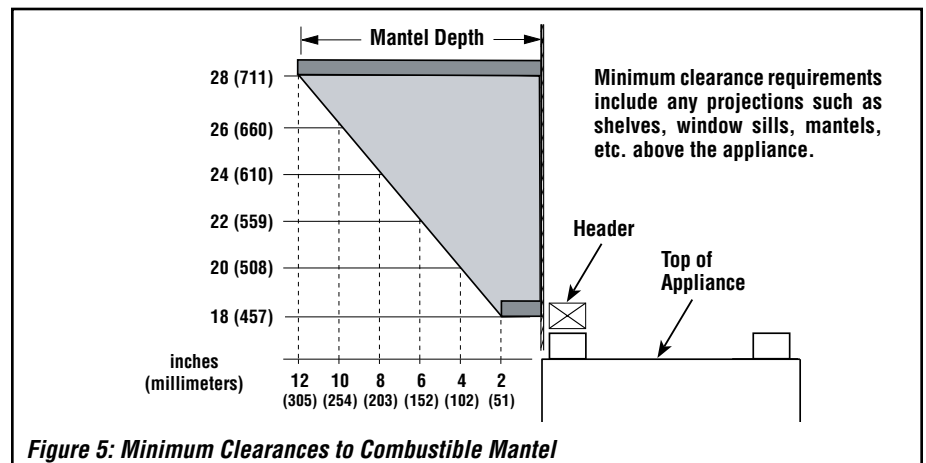
Note: Use high-temperature paint (rated 175°F or higher) on the underside of the mantel.

UNPROTECTED SIDE WALL

See **Figure 6** for minimum clearances to unprotected side walls.

FINISH/SURROUND

⚠ IMPORTANT! Factory-supplied non-combustible fiber board **MUST** be installed around fireplace opening. See **Installation Instructions** for details.



NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

UNIT NAILING FLANGES

Unit ships from factory with nailing flanges at 1/2" wall finish depth and in vertical position for cleanface finish.

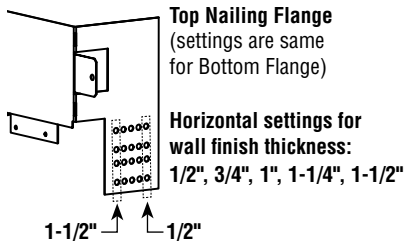
Cleanface Finish Nailing Flange Settings:

1. Leave **vertical position** of nailing flanges at factory setting (see **Figure 7, DETAIL A**).
2. If wall finish material is thicker than 1/2", move nailing flanges to applicable **horizontal setting**.

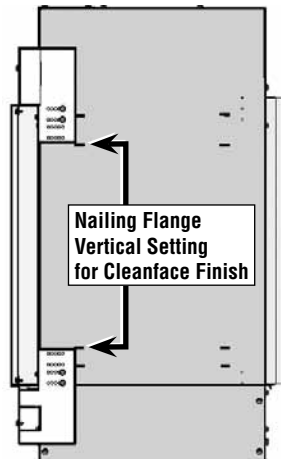
Surround/Bezel Nailing Flange Settings:

1. Move **vertical position** of Top Nailing Flange UP and Bottom Nailing Flange DOWN (see **Figure 7, DETAIL B**).
2. If wall finish material is thicker than 1/2", move nailing flanges to applicable **horizontal setting**.

ADJUSTING UNIT NAILING FLANGES



[DETAIL A]



[DETAIL B]

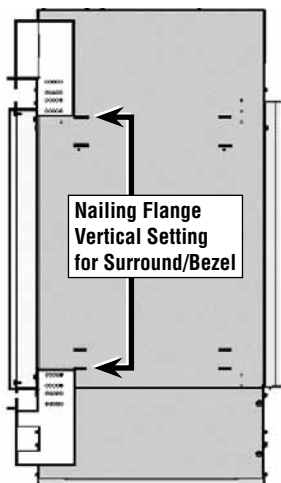
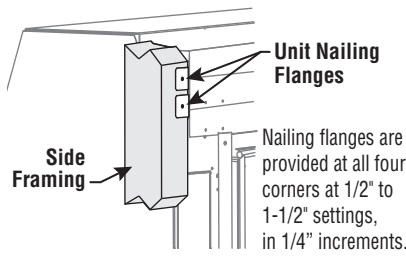


Figure 7

SECURING UNIT TO FRAMING BY NAILING FLANGES



Fireplace Left Side Front Corner Shown (Requirements are same for right side.)

Note: Nailing flanges, combustible members, and screw heads in areas directly adjacent to nailing flanges are EXEMPT from the 1/2-inch clearance-to-combustible requirements for the firebox outer wrapper. Combustible framing may be in direct contact with nailing flanges and may be located closer than 1/2 inch from screw heads and the firebox wrapper in areas adjacent to nailing flanges. Frame the opening to exact dimensions specified in framing details.

Figure 8

CEILING OPENING FRAMING

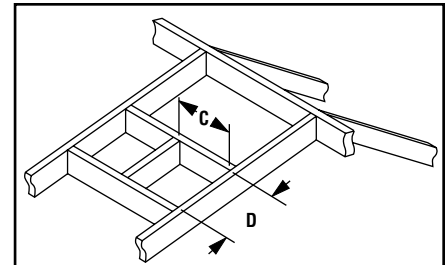
If the vertical vent will penetrate a ceiling, use a plumb line from the ceiling above the appliance to locate center of the vertical run. Cut and/or frame an opening about this center mark with 10-1/2" x 10-1/2" (267 mm x 267 mm) inside dimensions (**Figure 10**).

Note: Vertical Firestop/Spacer must be used anywhere vent pipe passes through a combustible floor or ceiling. Horizontal Firestop/Spacer must be used anywhere vent pipe passes through a combustible wall.

See "Firestop/Spacer Requirements" in fireplace Installation Instructions.

ROOF OPENING FRAMING (Vertical Termination)

Identify the location for the vent at the roof. Cut and/or frame the opening per **Figure 9**.



ROOF OPENING FRAMING DIMENSIONS		
Pitch	C	D
0/12	10-1/2 in. (267 mm)	10-1/2 in. (267 mm)
6/12	10-1/2 in. (267 mm)	12 in. (305 mm)
12/12	10-1/2 in. (267 mm)	17 3/4 in. (451 mm)

Figure 9: Roof Opening Framing

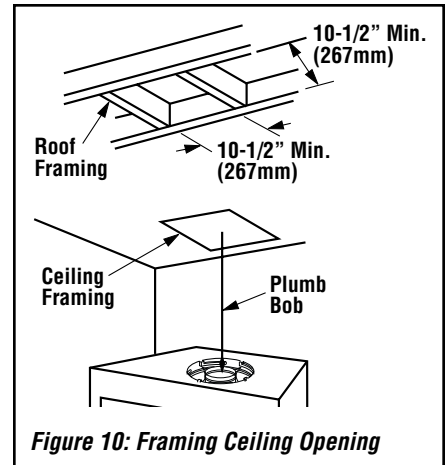
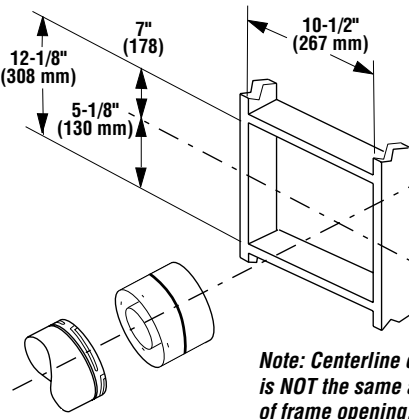


Figure 10: Framing Ceiling Opening

EXTERIOR WALL OPENING FRAMING (Horizontal Termination)

1. Locate the center of the vent outlet on the exterior wall according to the dimensions shown in **Figure 11**.
2. Cut and/or frame an opening with **inside dimensions** 10-1/2" (267 mm) wide x 12-1/8" (308 mm) high.



See FRAMING DIMENSIONS section in this manual for min. distance to base of appliance.

(Appliance Base)

Figure 11: Exterior Wall Opening Framing

LOCATION

Factors to consider when selecting a location for the appliance include aesthetics, function, vent system routing, and fuel supply access.

Locate the appliance in an area free of electrical, plumbing, and HVAC ducting. See **Figure 13** for typical installation configurations.

CAUTION: Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

AVERTISSEMENT : En raison des températures élevées, l'appareil devrait être installé dans un endroit où il y a peu de circulation et loin du mobilier et des tentures.

The appliance may be located on or near conventional construction materials (*see Note under Step 3 on this page*).

IMPORTANT!

Before installing fireplace, nailing flanges **MUST** be adjusted according to finish (cleanface or surround) and wall finish material thickness. This is critical to ensure proper fireplace location, especially if installing optional Surround and Bezel. See **Figure 7**.

FRAMING THE FIREPLACE

1. Assemble the top spacers (**Figure 12**).
2. Adjust the nailing flanges, as applicable (**Figure 7**).
3. Frame the appliance (**Figure 2**).
4. Mount fireplace on a fully supported base extending the full width and depth of unit.

Note:

If installed on combustible materials, such as carpeting, vinyl tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

5. Secure the fireplace to the side framing members using the unit's nailing flanges per the instructions under **UNIT NAILING FLANGES** in this manual. Use 8d nails or their equivalent.

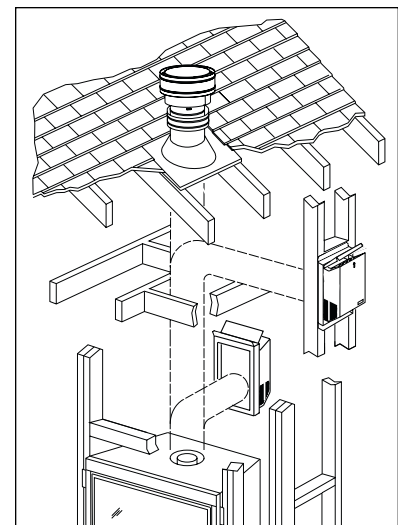
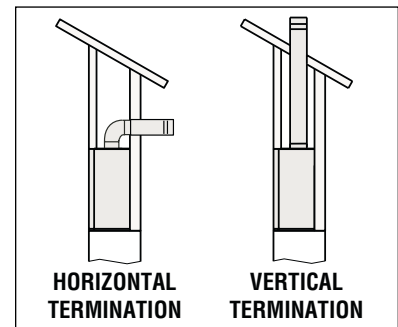
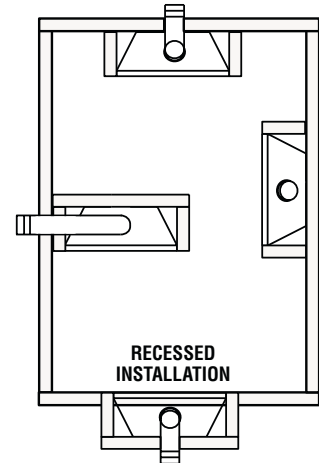
Note:

- All framing details must allow for minimum clearances to combustibles as shown in **Figure 3**.
- Headers may be in direct contact with the appliance top spacers when top spacers are bent up vertically (maintaining the 9-3/8" clearance to the fireplace top); however, headers must NOT be supported by top spacers or notched to fit around them.
- All construction above the appliance must be self-supporting. **Do NOT use appliance for structural support.**

TYPICAL LOCATIONS/INSTALLATION

Note: When unit is installed with one side flush with a wall, the wall on the other side of the unit must not extend beyond the front edge of the unit.

See **CLEARANCES** section.



ASSEMBLING TOP SPACERS

IMPORTANT! Assemble top spacers before installing fireplace.

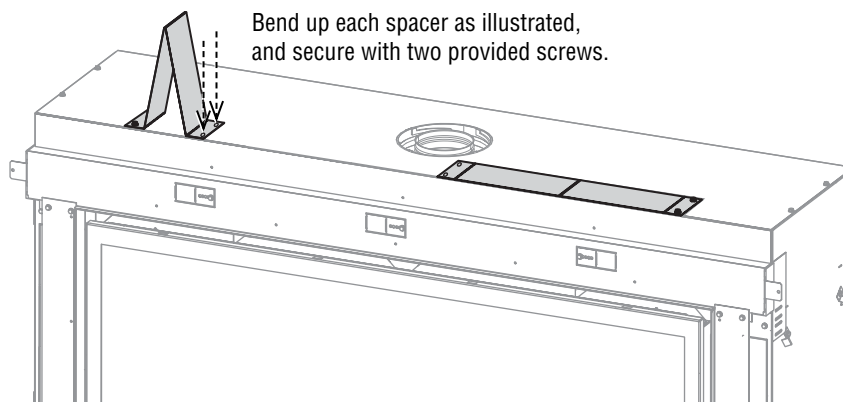


Figure 12

Figure 13

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