

Specifications

Application	Vented gas fireplace heater; Inbuilt only; for residential installation, commercial setting, or manufactured home; not designed for installation in a solid-fuel burning fireplace
Certification	CSA certified according to ANSI Z21.88, CSA 2.33
General Description	Inbuilt convector, glass and steel fronted, ceramic log space heater with forced convection and power flue system
Operation	Push button electronic / remote control
Gas Connection	Flex line is 3/8 inch flare nut; ball valve is 1/2 inch female x 3/8 inch flare
Gas Control	Electronic
Burners	Flame burners
Temperature Control	Electronic thermostat
Logs	Ceramic
Ignition System	Electronic spark ignition
Flue System	The flue must be terminated to atmosphere. Only flue components listed with the appliance's certification can be used. Warranty will be voided if non-listed components are installed.
Electrical Connection	AC 120V, 60 Hz
Fan	(134 to 212 CFM)
Weight	150 lb (68 kg)
AFUE	79% NG; 81% LP (up to 83% with extended vent of 7.2 ft [2.2 m] and no elbows)
Venting	Twin flue: maximum 6.5 ft with 2 elbows Concentric: maximum 33 ft with 3 elbows

	Natural Gas	Propane Gas
Minimum supply gas pressure	4.3 in (109 mm) W.C.	9.8 in (249 mm) W.C.
Maximum supply gas pressure	10.5 in (267 mm) W.C.	13.0 in (330 mm) W.C.
Manifold test pressure	Factory Set	Factory Set
BTU/hour input	Natural Gas: Low - 11,000 BTU/h; High - 29,000 BTU/h Propane: Low - 11,000 BTU/h; High - 28,000 BTU/h	
BTU/hour output	Natural Gas: Low - 8,635 BTU/h; High - 21,900 BTU/h Propane: Low - 8,855 BTU/h; High - 21,840 BTU/h	

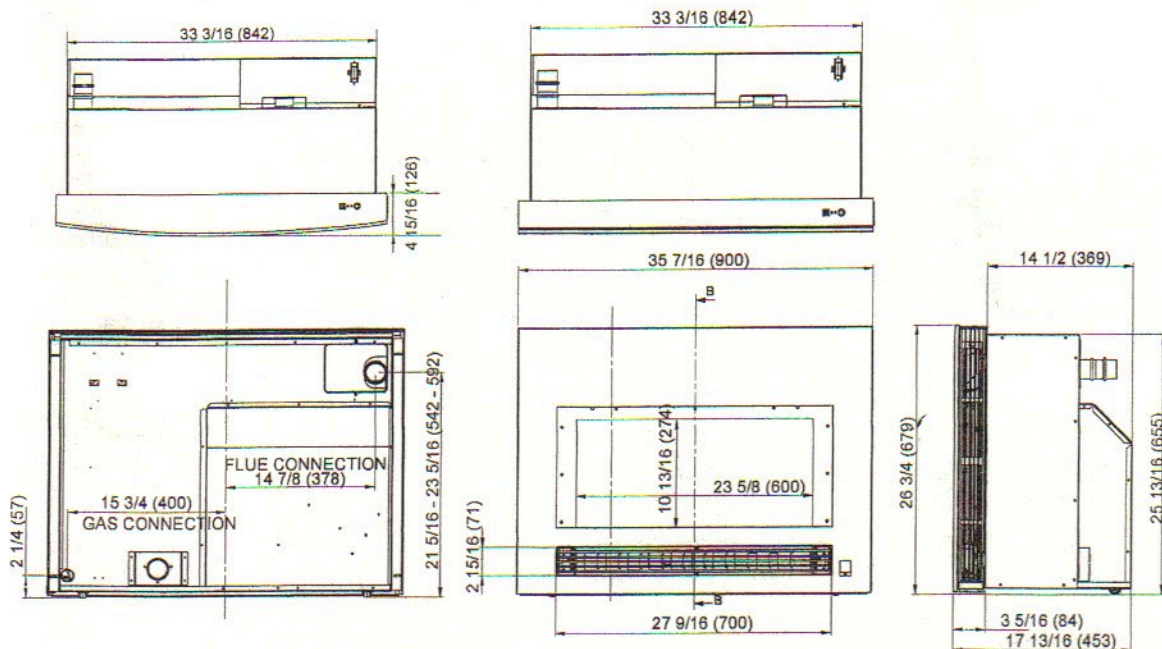
Rinnai is continually updating and improving products. Therefore, specifications are subject to change without prior notice.

Features

- **Direct Vent:** Intake air is taken from the outside and the combustion products are exhausted to the outside. Therefore the furnace has no effect on the quality of the indoor air.
- **Push Button Ignition:** Only one push of the STANDBY/ON switch is all that is required to operate the heater.
- **Lock:** The buttons on the remote control can be locked to prevent any unintended operation.
- **Dual Timer:** The appliance can be programmed to operate at two separate periods during the day.
- **Pre-heat:** The appliance will turn on before the programmed ON time and begin raising the room temperature to that of the programmed temperature by the ON time.
- **Memory:** The computer memory records preset temperatures, timer programming, and operational modes.
- **Remote Control:** The appliance has a fully functioning cordless remote control.
- **Auto-Off Function:** You have the option of having the flame display remain on or off once the room temperature reaches the temperature setting.

Dimensions

inches (millimeters)



Venting

There are 2 categories for venting:

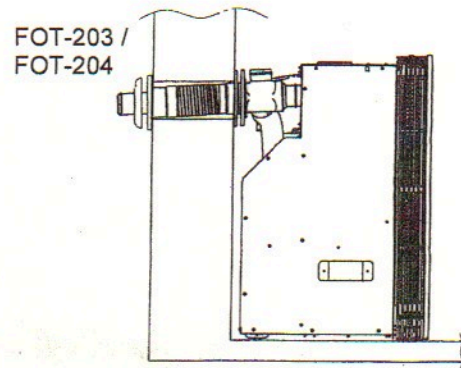
- I. Venting with Flue Manifolds FOT-203 or FOT-204 - horizontal venting directly through the wall with no extensions.
- II. Extended Venting - horizontal and vertical terminations with a maximum 33 feet and 3 elbows.

I. Venting with Flue Manifolds FOT-203 and FOT-204

The following flue manifold sizes are available:

Name	Kit No.	fits walls
Vent Kit A	FOT-203	4 1/3 - 9 1/2 inch (110 - 240 mm)
Vent Kit B	FOT-204	9 1/2 - 15 3/4 inch (240 - 400 mm)

Flue extensions are not authorized to be used with the FOT-203 and FOT-204 manifolds.



Drilling Flue and Gas Supply Holes

Check for water and gas pipes as well as electric cables. Use the template supplied to mark the wall locations for the flue manifold and the gas supply. Drill the flue hole using a 3 1/2 inch (90 mm) drill.

For weatherboard walls, drill through the center of the weatherboard from the outside first and then through the plasterboard.

Flue Manifold Installation

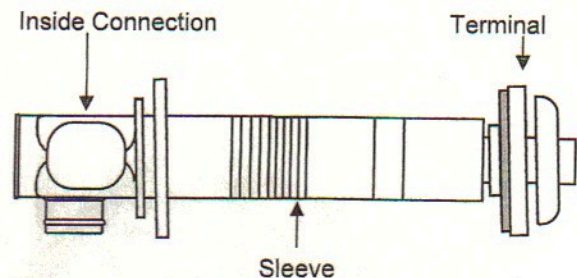
1. Disassemble the Flue Manifold

The flue consists of 3 parts:

- sleeve
- inside connection
- terminal

Disassemble the flue manifold by first pulling out the inside connection. To remove the outer terminal pull and release the two internal ties and then pull out the outer terminal.

Clearance to combustibles for the sleeve and flanges is zero inches.



Venting

2. Assemble and Adjust the Sleeve Length

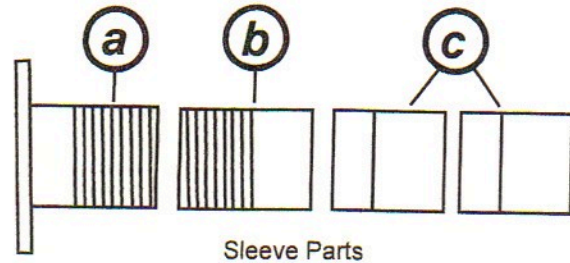
Measure wall thickness through previously drilled 3 1/2 inch (90 mm) hole.

The end of the sleeve should protrude 3/16 - 3/8 inch (5-10 mm) from the outside wall.

In the FOT-203 (Vent Kit A) there are 4 parts provided with which to assemble the sleeve. Use the table to determine which pieces to assemble.

In both kits, two parts are threaded for additional adjustment.

Adjust the sleeve length to wall thickness plus 3/16 - 3/8 inch (5-10 mm).

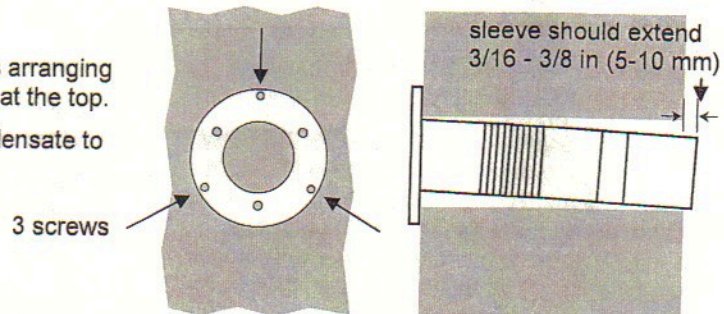


For wall thickness plus 3/16 - 3/8 in (5-10 mm)	Assemble these parts ("A" Vent Kit)
4 1/3 - 6 1/8 in (110 - 155 mm)	(a) + (b)
6 1/8 - 7 3/4 in (155 - 195 mm)	(a) + (b) + (c)
7 3/4 - 9 1/2 in (195 - 240 mm)	(a) + (b) + (c) + (c)

3. Attach the sleeve

Attach to the inside wall using 3 screws arranging the flange so that the marking "TOP" is at the top.

The flange is offset 2° to allow the condensate to drain to the outside.



4. Install the Terminal

Check that the terminal seal is in place. For weatherboard or vinyl siding, add the second seal next to the terminal seal to compensate for the angle.

From the outside insert the terminal into the sleeve with the marking "TOP" at the top. The left hand side locking tie should be marked "LEFT".

