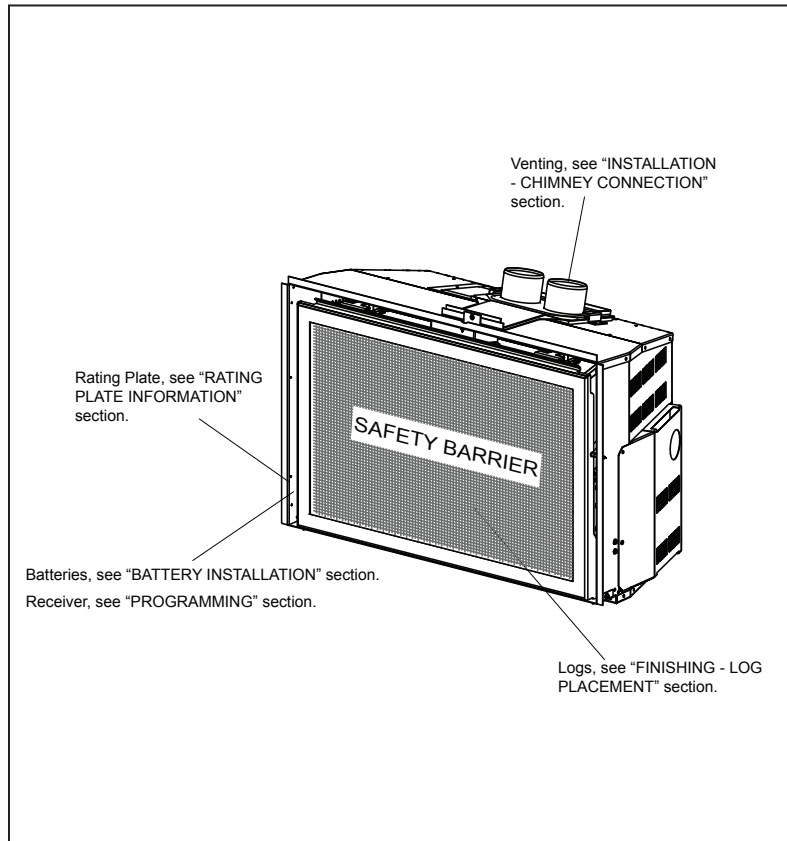


# INFRARED™ X3 GAS INSERT

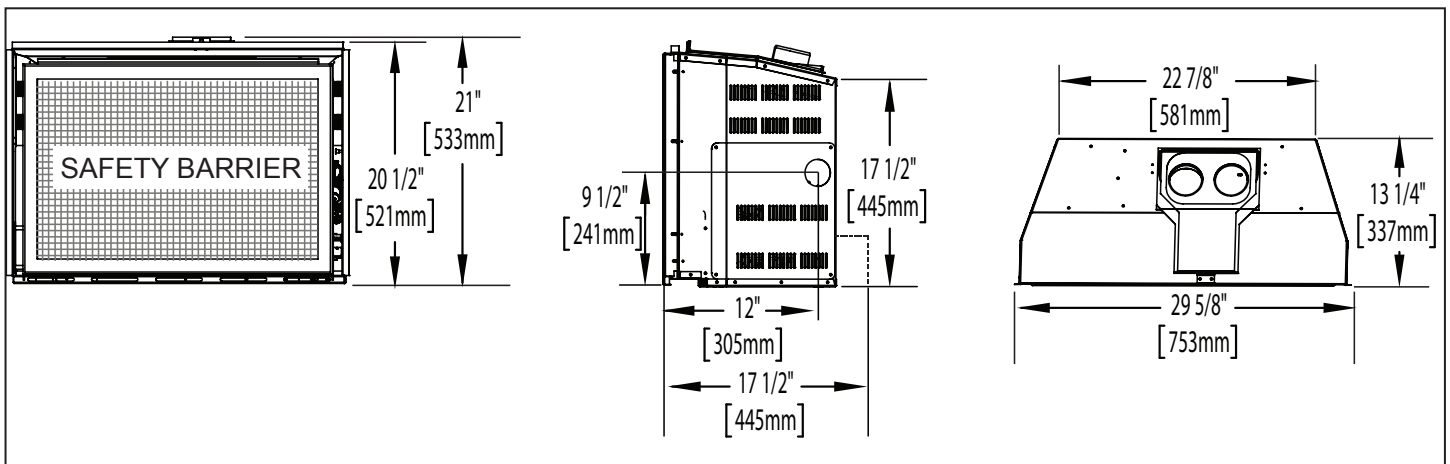
## Specifications

Model	BTU	Width		Height		Depth		Glass
		Minimum	Actual	Minimum	Actual	Minimum	Actual	
XIR3	31,000	29	29 5/8	21 1/2	21	13 1/2	17 1/2	17 X 25 9/16

## Overview



## Dimensions



# INFRARED™ X3 GAS INSERT

## Framing & Clearances

### Minimum Fireplace Clearances

This appliance must be recessed into a vented noncombustible wood-burning appliance (prefabricated or masonry) only. The minimum appliance opening size in which the appliance is to be installed is:

**HEIGHT 21½"(546mm) WIDTH 29"(737mm) DEPTH 13½"(343mm)**  
 The minimum allowable chimney flue size is 7"(177.8mm) round.  
 \*Add 4"(102mm) for optional blower.

The minimum distance, from the bottom of a combustible mantel projecting 3"(76mm) maximum from the wall to the top of the appliance, is 14"(356mm) (See MINIMUM MANTEL CLEARANCES section).

**NOTE: A NON-COMBUSTIBLE HEARTH MUST PROTRUDE A MINIMUM OF 12"(305mm) FROM THE APPLIANCE.**

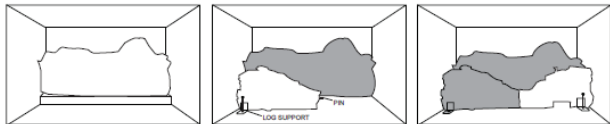
### General Information

XIR3		
	NG	LP
Altitude (FT)	0-4,500	0-4,500
Max. Input (BTU/HR)	31,000	31,000
Max. Output (BTU/HR)	24,800	24,800
Efficiency (w/ the fan on)	80%	80%
A.F.U.E. (maximum value)	77%	77%
Min. Inlet Gas Supply Pressure	4.5"(11mb) WC	11"(27mb) WC
Max. Inlet Gas Supply Pressure	7"(17mb) WC	13"(32mb) WC
Manifold Pressure (Under Flow Conditions)	3.5"(9mb) WC	10"(25mb) WC

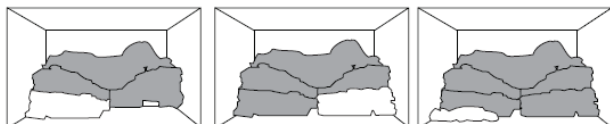
### Log Placement

PHAZER™ logs and glowing embers exclusive to Napoleon, provide a unique and realistic glowing effect that is different in every installation. Take the time to carefully position the glowing embers for a maximum glowing effect. Log colours may vary. During the initial use of the appliance, the colours will become more uniform as colour pigments burn in during the heat activated curing process.

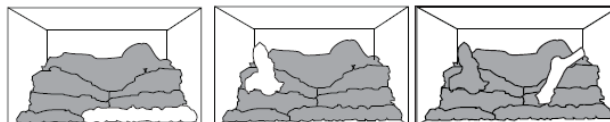
**NOTE:** Log support brackets are supplied in the manual baggie.



**A.** Place the rear log into position lining up the holes in the bottom with the studs located at the rear of the firebox. Ensure it is tight to the burner.  
**B.** Insert a pin (supplied) into the right end of the left middle log. Secure the left log support (supplied) in front of the left middle log and secure with the screw supplied.  
**C.** Insert the right middle log and onto the left log pin. Place the right log support (supplied) in front of the right middle log and secure with the screw supplied. Adjust the log supports tight to these logs to hold them in an upright position and ensure they are tight to the burner.



**D.** Place the left front log into position, lining up the 2 holes in the bottom with the studs located on the left side of the burner.  
**E.** Place the right front log into position, lining up the 2 holes in the bottom with the 2 front left studs.  
**F.** Position the left charcoal strip in front of the left front log, lining up the 2 holes in the bottom with the 2 front left studs.



**G.** Position the right charcoal strip in front of the right front log, lining up the 2 holes in the bottom with the 2 front right studs.  
**H.** Position a pin into the left side hole of the left middle log, move the left crossover log into position, lining up the top hole with the pin.  
**I.** Position a pin into the right side hole of the right middle log, move the right crossover log into position, lining up the top hole with the pin.

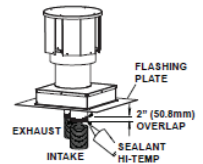
**Product information provided is not complete and is subject to change without notice. Please consult the installation manual for the most up to date installation information.**

### Chimney Connection

#### 2-3" (76.2mm) DOUBLE PLY ALUMINUM LINER-INLET AND EXHAUST:

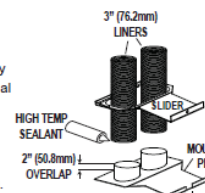
GDI-320KT VENT KIT 20FT  
 GDI-325KT VENT KIT 25 FT  
 GDI-335KT VENT KIT 35 FT

While the liners must be continuous from the appliance to the chimney cap, to achieve the needed length, they may be coupled, using an approved coupler. We recommend that exhaust vents that pass through unheated spaces, such as tall exterior chimneys, be wrapped in a protective sleeve to minimize condensation and reverse flow symptoms. See Trouble Shooting for details. This appliance is approved for use with a 3" (76mm) exhaust and air intake.

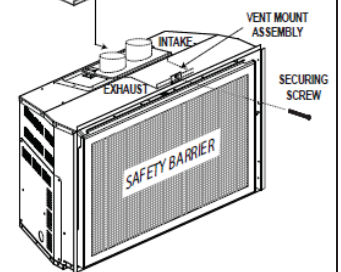


- A.** **OUTSIDE:** Slip the one end of a liner a minimum of 2" (51mm) over the sleeve of the air terminal. Secure using 3 screws. Then seal the joint and screw heads with high temperature sealant. Repeat with the other liner.  
**NOTE:** We recommend that the other end of the exhaust liner be marked to eliminate the exhaust liner being connected to the intake collar at the appliance.

- B.** Gently stretch the liners to the required lengths and insert into the chimney. Trim and fit the flashing plate to suit the chimney termination. Place the air terminal onto the top of the chimney. Make weather tight by sealing with caulking (not supplied). Fasten to the chimney with screws and plugs (not supplied).

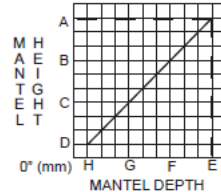


- C.** **INSIDE:** Remove the securing screw from the front of the vent mounting plate. Pull the vent mounting plate only, back into the track, to the front stop. Start the slider back into position. Re-secure the screw. The appliance may now be pushed into its final position inside the wood burning appliance, and the screw tightened until the slider has been pulled tight to the front stop.



- D.** Route the flex liners through the slider. Attach and secure the liners to the vent mounting plate using the same procedure as before, ensuring that the marked exhaust liner is attached to the exhaust collar.

### Combustible Mantel Clearances



MANTEL DIMENSIONS			
Ref	Height	Ref	Depth
A	17" (432mm)	E	6" (152mm)
B	16" (406mm)	F	5" (127mm)
C	15" (381mm)	G	4" (102mm)
D	14" (356mm)	H	3" (76mm)

