INSTALLATION MANUAL

Rozy Heat

MODEL 231 ZERO CLEARANCE

IMPORTANT:

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLATION. FAILURE TO INSTALL THIS FIREPLACE CORRECTLY CAN CAUSE SERIOUS STRUCTURAL AND FIRE HAZARDS AND MAY VOID YOUR WARRANTY.
231ZC AVAILABLE OPTIONS

1. 220 CFM Fan Kit
2. Brass Grills & Face Trim
3. Arched Face Brick Lintel
4. Straight Face Brick Lintel
5. Outside Air Vent Cover
6. Heat Duct Kit
7. Additional B Vent Pipe
8. Additional B Vent Elbows

NOTE: Unit is available with either black or gold plated doors.

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READ ALL INSTRUCTIONS BEFORE INSTALLING

INSTALLATION CAUTIONS:

Heat Transfer:
A) The heat register outlet covers must not terminate below the hot air
ductwork outlets to prevent a heat sink. See Figure 6.

Chimney:
A) Use only a chimney that has been approved for use with this unit.
B) Do not vent any other appliance through this chimney system.
C) Follow manufacturer's instructions for proper installation of the
   chimney.
D) Ensure that the chimney brand you purchase is equipped with the
   corresponding anchor plate for attachment to the fireplace.
E) The chimney should be at least 10' tall (above the fireplace) and at
   least 3' higher than the peak of the house, or smoke back may occur
   when the doors are opened.

Cold Air Transfer Areas
A) If this fireplace is installed on an exterior wall it must be
   insulated just like any other wall in your home, if it is not, you will
   have a cold air transfer.
B) Secure combustion air pipes together with screws to prevent them
   from coming apart and leaking cold air.

Foundation:
A) Although no foundation is required for the unit and its metal
   chimney, the foundation must be sufficient to carry the weight of the
   face brick and/or rock front.
INSTALLATION

Note: Installation of this unit should only be done by a qualified installer.

Specifications: (see Fig.1)

Height 49"
Width 40"
Depth 22"
Flue Size 6"
Hot Air Ducts 8"

Minimum clearances to combustibles:

A) Unit back to wood enclosure - 1/2"
B) Unit sides to wood enclosure - 1/2"
C) Unit door to an adjacent wall - 16"
D) Heat vents to ceiling - 10"
E) Top of grill opening to a mantel - 6"
Minimum Foundation Requirements
Note: Wall thickness(es) must be added.

Fig. 2A

MINIMUM HEARTH AND HEARTH EXTENSION MEASUREMENTS.

Fig. 2B

Installation:

1. Place the unit in the desired location. This unit may be placed on any flat combustible or non-combustible floor surface without carpeting or linoleum. A minimum depth of 22-1/2", width of 40", height of 49" plus hearth height is required for installations. See Fig. 2A.

NOTE: A non-combustible hearth extension must be used. If the unit is to be installed without a raised hearth it must extend 24" in front of and 8" beyond the sides of the fuel opening. If the unit is to be installed with a raised hearth, it must extend 16" in front of and 8" beyond the sides of the fuel opening. See Fig. 2B.
NOTE: If using the optional fan kit run 115V wiring into the lower right of the unit (a knockout is provided). NOTE: The bottom grill must be allowed to open. Do not place the unit in a manner that would obstruct this grill. See Fig. 3.

2. Place a bead of hi-temp silicone caulk (included with your unit) under the appropriate chimney anchor plate (purchased with your chimney system) and push the plate collar into the fireplace flue. See Fig. 4. Secure with metal screws. Connect the first chimney section per the manufacturer's installation instructions.

NOTE: Recommended chimney systems are 6" HT double-wall insulated pipes, such as Dura-Vent, Metalbestos, Pro Jet, Security, Metal-Fab or Jake Evans. Hussong Mfg Co Inc does not recommend the air-cooled chimney system.
3. Install the chimney in accordance to the chimney manufacturer's installation instructions. The chimney needs to be a minimum of 10' overall, with a minimum of 3' above the roof line and 2' above the nearest peak. See Fig. 5.

NOTE: This unit must have a chimney cap installed.

CAUTION: A straight chimney system is the method preferred. A maximum of 30 degree elbows are approved for use with this unit. Follow manufacturer's suggested clearances to combustibles.
4. This unit requires an outside air source for combustion. This should be connected before framing the unit in.

A) Connect 4" 30 gauge, or heavier, galvanized pipe to the adaptor.
B) Run pipe to the nearest outside wall. Connect sections with metal screws.
NOTE: If the combustion air pipe runs for any length outside of the heat chamber, but inside the house, wrap it with insulation to eliminate condensation or frost build up.
C) If it is necessary to run the pipe for more than 10' it is recommended that you increase to a 6" pipe. The maximum length recommended to run the pipe is not more than 26 feet and not more than three elbows. Duct the shortest possible way. DO NOT terminate in the attic or into a garage. If ducting beside the chimney chase, terminate the intake air at least three feet below the termination level of the chimney. The air can also be ducted below the floor level of the fireplace providing it is ducted to the outside.
NOTE: A closure vent is available to shut off the air at the outside termination of the intake pipe from inside the home. When the fireplace is not in use this eliminates any cold air transfer into the home. See Kozy Heat's accessory catalog for more information on the closure and non-closure vents available. We recommend the use of this vent on all Kozy Heat installations.

5. Heat outlet ducts may be vented into the same room as the fireplace or may be vented to other rooms. Venting should be completed before framing the unit in. An optional duct kit is available from your dealer and includes the necessary adaptors and vent grills.

CAUTION: Use only a Kozy Heat duct kit. Use ONLY 8" vent pipe, do not reduce the size. Leave 2" clearance to combustibles.

CAUTION: Do not terminate the heat register outlet covers below the hot air ductwork outlets to prevent a heat sink. See Fig. 6.

![Diagram of heat sink and ducts](image)

CAUTION: Do not terminate the heat register outlet covers below the hot air ductwork outlets to prevent a heat sink.

Fig. 6
OPTIONAL HEAT DUCT KIT

Your optional heat duct kit includes:
1. Adaptor Rings - 2 (C)
2. 1' Section 'B' Vent Pipe - 2 (D)
3. 'B' Vent Elbow - 2 (E)
4. Extension Sleeve - 2 (F)
5. Wall Thimble - 2 (H)
6. Grill Cover - 2 (I)

The upper grill may be bricked over IF using both heat register outlets. Use Kozy Heat's options grill cover.
When running the pipe through a wall, the thimble shield must be used.

Using Figure 7 as a guide:

a) Using a utility knife, cut the insulation (A) away from the 8" holes on top of the unit (B).
b) Place an adaptor ring (C) into the hole and bend the tabs back to secure in place.
c) Connect 8" 'B' vent pipe (D) to the adaptor ring and secure.
d) Connect additional pipe sections, and/or elbows (E) to the desired length.
e) When passing through the wall termination install the thimble (H), and extension sleeve (F) to prevent heat transfer.
f) The grill covers (I) are attached upon completion of the wall.

NOTE: Thimbles should terminate 10" below ceiling level.
6. Frame in the fireplace. Maintain the necessary clearances to combustibles. The framing materials should not come in actual contact with the fireplace. See Fig. 8.

Fig. 8

Fig. 9
7. Complete the fireplace front.

NOTE: The fireplace may have an exposed face, or may be covered with a surface material. This material MUST be non-combustible in nature from the bottom of the unit to 6" above the upper grill. Brick, tile, marble, or stone may be used. This material must not come in direct contact with the unit or cracking of the face materials will occur. Do not place the facing or other surface materials closer than 3" from the unit door, to allow adequate room for opening the doors.

CAUTION: If using "thin" brick a non-combustible facing material must be used in front of the unit face. This facing must not be attached to the unit.

If installing with an exposed face, place facing material behind the fireplace face flange and go to step #13. See Fig. 9.

8. Lay face brick in front of the fireplace (do not tie the brick to the unit).
9. At approximately 10 brick courses high (depending on the brick size) lay the optional arched lintel iron on the brick (do not tie to the fireplace). See Fig. 10.

NOTE: If using a straight lintel the lintel would be placed at approximately 12 courses high.

CAUTION: Do not lay the brick so close to the doors that it will hinder them opening.
10. It is necessary to lengthen the damper rod to allow for the extra depth of the brick facing. To lengthen: See Fig. 11.
   a) Remove the upper grill.  b) Reaching into the opening, loosen the wing bolt located near the face of the unit. Pull the square damper rod out to the necessary length. The rod should extend 1-1/2" beyond the facing material to allow for the damper handle and "finger room".  
c) Retighten the wing bolt.  
d) Replace the upper grill.  
11. If desired, soldier brick may be used in place of the upper grill.  
12. The upper grill may be covered, using our optional grill cover, providing both upper duct vent outlets are used.

13. Install the firebrick. See Fig. 12.
   a) Starting in the back of the unit, place 5 firebrick under the firebrick brackets.  
b) Using the same method, place three firebrick on each side.  
c) Place the bottom firebrick in using the diagram as a pattern.  
d) Place five firebrick (5) into the angled brick bracket (4). These firebrick are positioned at a 45 degree angle. Leave a 1-1/4" space on each end.  
e) Place the stainless steel cap (6) over the top edge of the angled firebrick and rest the ends on the brackets (7).  
OPTIONAL FAN KIT

Your optional fan kit includes:
1. 220 CFM Fan
2. Electrical Box Assembly
3. 2 - 1/4" Wing Nuts
4. 3 - Wire Nuts

NOTE: INSTALLATION OF THIS KIT SHOULD BE DONE ONLY BY A QUALIFIED INSTALLER.

1. Open the lower grill (2).
2. Place fan (1) over mounting studs (3).
3. Place wing nuts on mounting studs and tighten.
4. Remove cover from electrical box (5).
5. Insert pipe through knock out hole.
6. Secure with pipe nut on outside of unit.
7. Insert 115V wiring (with ground) through pipe.
8. Connect wires to pre-assembled cover.
9. Attach cover onto electrical box and secure.
10. Plug cord (4) into receptacle.
11. Turn on/off speed control clockwise slightly until it clicks.

NOTE: Fan will not turn on until heat is applied to the thermostatic control switch (6).

NOTE: Fan will turn on and off automatically when the fireplace heats and cools. Adjust fan to desired speed while it is running.
PARTS LISTS

1. Arched Door Frame
2. Pyrex Glass
3. Intake Damper Handle
4. Chimney Damper Handle
5. Heat Outlet Grill
6. Heat Air Ductwork
7. Class 'A' Chimney
8. Hot Air Duct Cover
9. Anchor Plate
10. Header Stand-off
11. Outside Air Inlet
12. Arched Lintel Iron
13. Firebrick Lining
14. Lower Grill
SAVE THESE INSTRUCTIONS!
Contact your dealer or the factory for any additional information you may need.

REPLACEMENT PARTS
1) 11" x 16-3/8" Glass
2) Damper Handles
3) Latch Handles
4) Door Felt
5) Door Rope—3/8"