FREESTANDING WOOD FIRE SLOPING CEILING KIT INSTRUCTIONS

Model No: **KWF298-7354**

FOR SLOPING CEILING INSTALLATIONS INTO A TIMBER CAVITY

PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE WOOD FIRE INSTALLATION INSTRUCTIONS

This flue system must be installed by an approved installer, ideally registered with the New Zealand Home Heating Association. Do not allow any makeshift or compromising installation methods as this could result in a house fire. This Kent flue system must be installed according to these instructions.

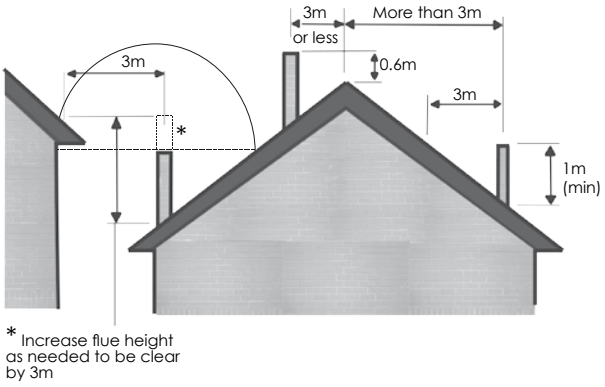
A Building Consent from the Local Authority must be obtained before installing a wood fire, and we suggest that the Insurance Company covering building insurance be advised of the installation.

This Kent flue, when installed according to these instructions, complies with the provisions of AS/NZS 2918-2001 "Installation of Domestic Solid Fuel Burning Appliances". The clearances given in these instructions are necessary to prevent overheating of nearby combustibles and drying out of the house structure. They may not be reduced without authorisation.

PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OF THE SELECTED WOOD FIRE:

CAUTION: Mixing of wood fire or flue system components from different sources or modifying the dimensional specifications of components may result in hazardous conditions. Where such action is considered the manufacturer should be consulted in the first instance.

1. The flue pipe shall extend not less than 4.6m above the top of the floor protector.
2. The flue cowl must be at least 0.6m above the highest point of the roof if within 3m of it, or 1m above the roof penetration if more than 3m from the ridge.
3. No part of the building, or any adjacent building may be in or above a circular area of a horizontal radius of 3m from the flue exit.



INSTALLATION:

1. Position wood fire on floor protector ensuring all wood fire clearances are correct as per manufacturer's instructions and all minimum installation clearances have been achieved.
2. Once the location is confirmed, the wood fire and floor protector may be mechanically fixed to the floor itself (refer to manufacturer's instructions).
3. Extend a plumb line from the centre of the wood fire flue spigot to the ceiling. Mark position on ceiling to cut out a 250mm square hole. Adjust marks to suit roof pitch for vertical installation of the 250mm flue casing.
4. Cut out and trim hole for the passage of the flue pipe and casings through the ceiling. Cut and fit nogs to trimmed out hole for the fixing of the 250mm outer casing on all four sides.
5. Cut an opening through the roof and position outer casing through the roof penetration. Then fix at bottom, with 4 screws or clouts to the framing of the opening in the ceiling at the points where outer casing and timber meet. For sloping ceiling installations the outer casing liners must drop not less than 150mm into the room at the shortest side of the 250mm liner. Refer to Fig 1 overleaf.
6. Assemble 150mm flue pipe sections ensuring all seams are in line, the assembly is straight, and crimped ends are pointing downwards. Fix each joint with three stainless steel or monel rivets and seal with a high temperature sealant.
7. Place ceiling plate and drop box cap, with folded edges upwards over the wood fire spigot.

RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

INSTALLATION (continued):

8. Position the flue pipe into the wood fire spigot. The flue pipe can either be lowered from the top as a single unit or fed up from the room a length at a time, ensuring that all joints are fixed properly.

9. Slide the inner casing into place, between the outer casing and the flue pipe.

10. The flue pipe must extend 200mm above the outer casing.
Note: Extra lengths of flue pipe, inner and outer casing may be required to achieve the minimum clearance from the roof.

11. Slide top spreader over flue pipe, fitting spacers down between the outer and inner casing, then tighten.

12. Slide flashing cone over flue pipe until it rests on spreader. Fit stainless steel cowl into position. Secure with self-tapping screws.
Note: The stainless steel cowl must be removable for flue pipe cleaning.

14. Fix ceiling plate to ceiling maintaining an even gap all around flue pipe.
Note: Ensure ceiling plate is spaced off the ceiling with ceramic spacers supplied.

15. Secure the drop box ventilated flue casing cap into place.

16. Fix appropriate flashing around outer casing to the roof to ensure a weatherproof seal.

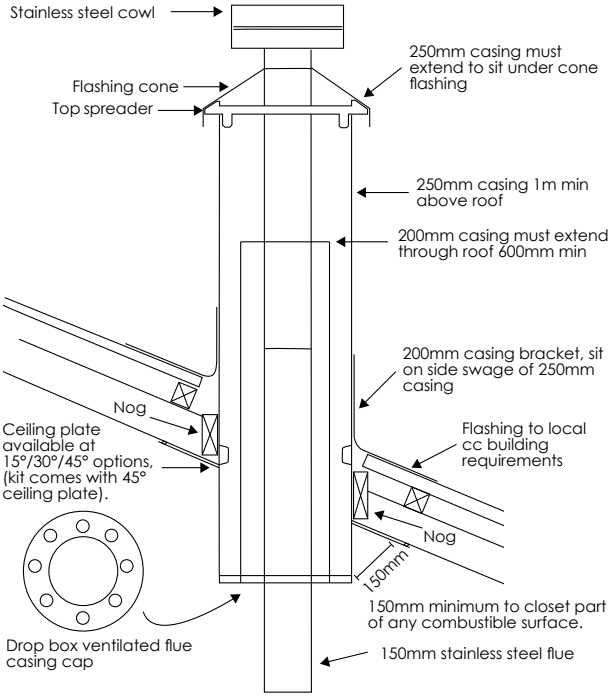


Fig 1.

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