

# HE40 - CENTRAL HEATING KIT

For additional heat distribution, a Central Heating Kit is available. This will allow the heated air from the fireplace to be distributed to other areas of the dwelling.

The Central Heating Kit is certified only with Selkirk's Models HE wood burning fireplaces. NOTE: The fireplace is not EPA Certified when installed with a Central heating Kit. Deletion or modification of any of the components in this kit may seriously impair the safety of your installation; and void the manufacturer's warranty coverage and/or the condition of certification.

The maximum run for the primary 8" ducting can be up to 50 feet incorporating up to 4 - 90 degrees elbows as the primary 8" ducting. Remote rooms can be heated through reduced 5" diameter duct runs (see Figure 1). Consult with a heating specialist to ensure a proper duct layout for your home.

## The Central Heating Kit contains:

- 1 - 203mm (8") Plenum assembly (containing 1 Starter Sleeve (painted) and 1 Damper Sleeve (unpainted) with built-in Gravity Back-Draft Damper and Safety Limit Switch)
- 1 - Blower (544 CFM) (supplied with a strong mounting bracket and prewired remotely mounted wiring junction box.)
- 1 - Universal Speed Control Rheostat

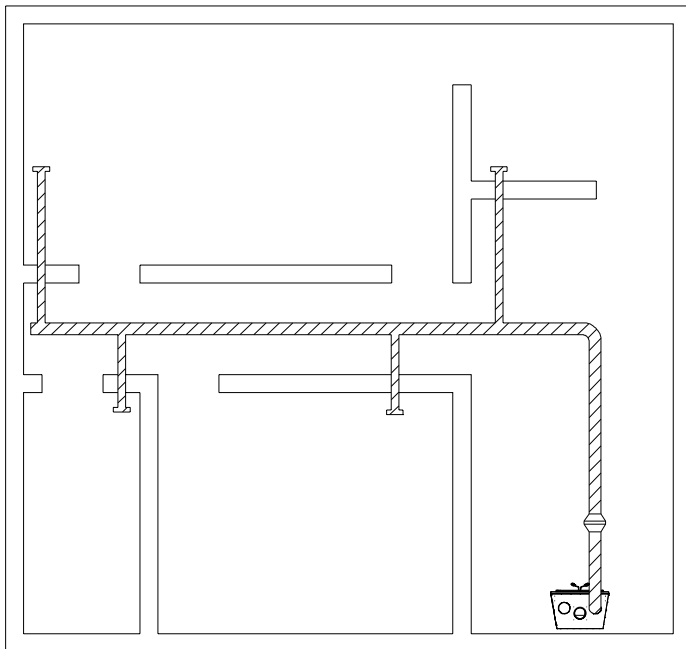


Figure 1 - Ducting Layout Options



Fig. 2 - Remove insulation

## INSTALLATION GUIDELINES

1. Prepare the selected hole on the top of the fireplace (either the left or right hand side opening can be utilized by removing the insulation as per Figure 2. Remove the round plate located on the top of the firebox (breaking of the tabs will be required).
2. Slide and push the Starter Sleeve (see Figure 3) all the way down in the prepared opening until it is resting on top of firebox. Ensure that the bottom opening faces the back of the fireplace.
3. Bend out the 3 tabs and fasten to the top of the fireplace with sheet metal screws (not supplied). Pre-drilling may be required.

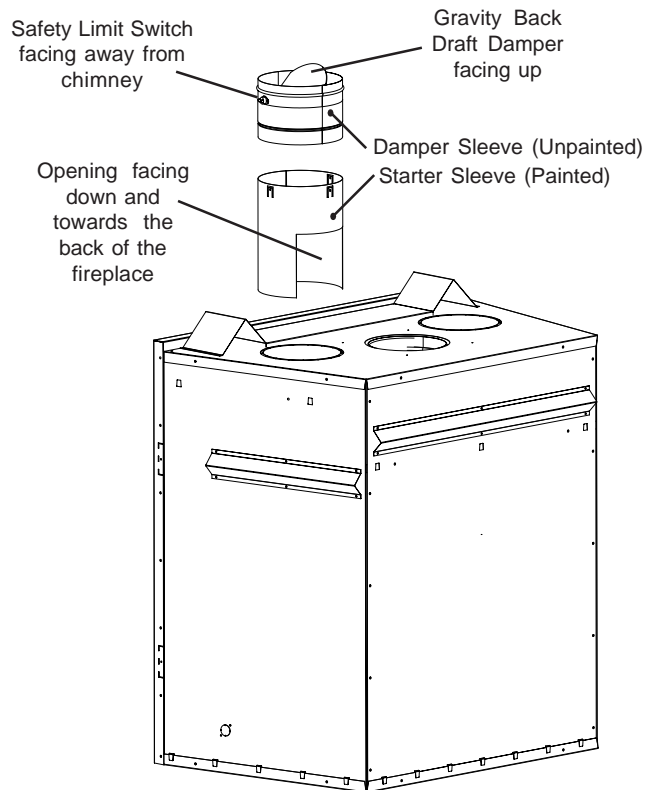


Fig.3 - Starter Plenum

4. Insert the Damper Sleeve over the Starter Sleeve. The Gravity Back- Draft Damper must be facing upward (when in the closed position). The Safety Limit Switch can be facing any direction to allow easy access when wiring is completed. Secure the Damper Sleeve to the Starter Sleeve with 3 sheet metal screws (not supplied) through the pre-drilled holes. See Figures 3, 4 and 5. CAUTION: Do not have this Safety Limit Switch facing towards the chimney system!



Fig. 4 -Insert Starter Plenum all the Way into opening



Fig. 5 - Fasten 3 tabs to top of fireplace

5. Make provision to route a 120V electrical supply to the location where the blower will be mounted. **Supply wiring to the motor will be rated for 125° C or higher.** The blower, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the latest edition of the National Electrical Code, ANSI/NFPA 70 (USA) or CSA-C22.1 (Canada).

6. The ducting for the Central Heating system can be accomplished with a 203mm (8") diameter spiral, flex or rigid duct.

7. When installing the ducting a 25mm (1") minimum air space clearance to all combustible materials must be maintained. Ensure that the installation of the ducting will conform with all federal and municipal codes requirement. See Figure 6 for alternate ducting configuration.

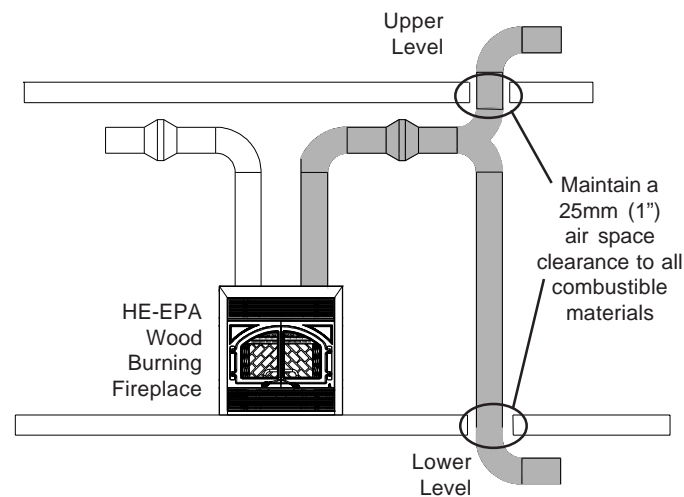


Figure 6 - Shaded Alternate Ducting Configurations

8. Connect and fasten the appropriate 8" ducting to the Damper Sleeve with a minimum of 3 sheet metal screws (not supplied) ensuring that a 25mm (1") minimum clearance is maintained between the ducting and any combustible materials. Support the ducting in accordance with local codes (see photo below).



Fig. 7 - Shown with 8" Spiral Ducting

9. Position the blower in the horizontal ducting system for easy mounting with supplied mounting bracket (see Figure 8) ensuring that a 25mm (1") minimum clearance is maintained to any combustible materials. Some consideration should go into the planning to ensure that the blower noise does not affect rooms you would like kept quiet.

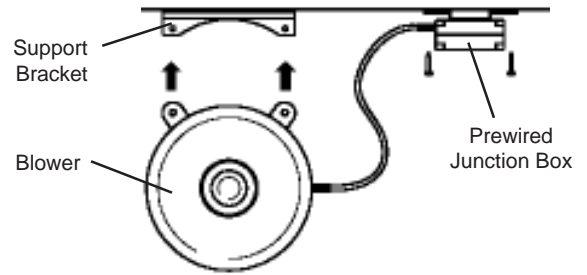


Figure 8 - Mounting of Blower

10. All wiring must be carried out in accordance with National Electrical Code, and all applicable state and local buildings codes. Figure 9 provides a wiring diagram.

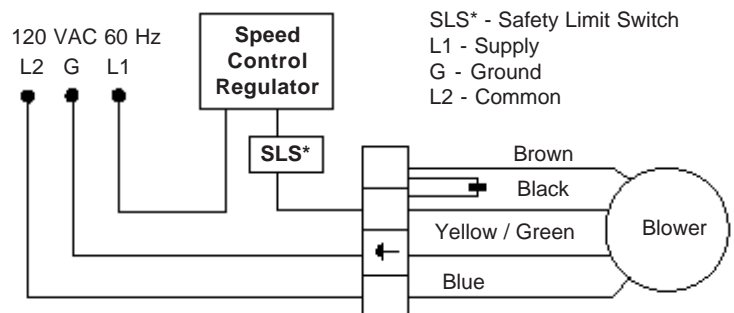


Figure 9 - Wiring Diagram

**WARNING!** Only one Central Heating Kit to be installed in the system serving Selkirk's model HE-EPA. One primary 8" ducting and blower per installation.

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