Gas Inserts

E33 Gas Insert

<table>
<thead>
<tr>
<th>Model</th>
<th>E33-NG10</th>
<th>E33-LP10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
<td>Propane</td>
</tr>
<tr>
<td>Minimum Supply Pressure</td>
<td>5&quot; W.C. (1.25 kPa)</td>
<td>12&quot; W.C. (2.99 kPa)</td>
</tr>
<tr>
<td>Manifold Pressure - High</td>
<td>3.8&quot; W.C. (0.95 kPa)</td>
<td>11&quot; W.C. (2.74 kPa)</td>
</tr>
<tr>
<td>Manifold Pressure - Low</td>
<td>1.1&quot; W.C. (0.27 kPa)</td>
<td>2.9&quot; W.C. (0.72 kPa)</td>
</tr>
<tr>
<td>Orifice Size - Altitude 0-4500 ft.</td>
<td>#31 DMS</td>
<td>#50 DMS</td>
</tr>
<tr>
<td>Minimum Input</td>
<td>20,000 BTU/h (5.86 kW)</td>
<td>19,000 BTU/h (5.57 kW)</td>
</tr>
<tr>
<td>Maximum Input</td>
<td>38,000 BTU/h (11.14 kW)</td>
<td>35,500 BTU/h (10.40 kW)</td>
</tr>
<tr>
<td>Vent Sizing</td>
<td>3&quot; Co-linear</td>
<td>3&quot; Co-linear</td>
</tr>
</tbody>
</table>

**Approved Venting Systems**

<table>
<thead>
<tr>
<th>Flex Vent Systems:</th>
<th>FPI AstroCap™ Flex Vent</th>
</tr>
</thead>
</table>

**Alternate Approved Caps**

- 46DVA-VC Vertical Termination Cap
- 46DVA-VCH High Wind Vertical Termination Cap
- 46DVA-GK 3" Co-Linear adapter with flashing

In areas of consistently high winds, we recommend using the Simpson Dura-Vent System 46DVA-GK adapter and 46DVA-VCH high-wind cap. The Air Intake pipe must be attached to the inlet air collar of the termination cap.

**Unit Dimensions**
(with Low Profile Faceplate)

![Unit Dimensions Diagram](image-url)
E33-10 Gas Insert

UNIT DIMENSIONS
OPTIONAL VIGNETTE FACEPLATE WITH SPACER

UNIT DIMENSIONS
OPTIONAL VIGNETTE FACEPLATE WITHOUT SPACER
Gas Inserts

Minimum Fireplace Dimensions

The minimum fireplace dimensions for the Regency gas fireplace insert are shown in the following diagrams:

![Diagram of minimum fireplace dimensions]

Minimum Fireplace Opening

Low profile faceplate and spacer

The minimum fireplace opening for the Regency gas fireplace insert is shown in the following diagrams:

![Diagram of minimum fireplace opening]

Clearances

Unless otherwise stated the clearances listed below are Minimum distances to combustible materials. Please Note: A major cause of chimney related fires is due to a failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

<table>
<thead>
<tr>
<th>Part</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side Walls</td>
<td>* A 8&quot; (203 mm)</td>
</tr>
<tr>
<td>Ceiling</td>
<td>B 47&quot; (1194 mm)</td>
</tr>
<tr>
<td>Min. Mantel Height</td>
<td>C 15&quot; (381 mm)</td>
</tr>
<tr>
<td>Max. Mantel Depth</td>
<td>D 12&quot; (305 mm)</td>
</tr>
<tr>
<td>Alcove Width</td>
<td>E 76&quot; (1930 mm)</td>
</tr>
<tr>
<td>Alcove Depth</td>
<td>F 36&quot; (914 mm)</td>
</tr>
<tr>
<td>Hearth Height</td>
<td>G 1-1/4&quot; (32 mm)</td>
</tr>
<tr>
<td>Hearth Width</td>
<td>H 45-1/2&quot; (1156 mm)</td>
</tr>
<tr>
<td>Hearth Depth</td>
<td>I 13&quot; (330 mm)</td>
</tr>
</tbody>
</table>

* Alcove side wall must have a min. of 8" clearance on one side.

Because of the extreme heat this fireplace emits, the mantel clearances are critical.

Note: An non-combustible mantel may be installed at a lower height if the framing is made of metal studs covered with a non-combustible board.

Mantel can be installed anywhere in shaded area or higher using the above scale.

Note: Ensure the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolour.
VENTING

This appliance is designed to be attached to two 3” (76mm) co-linear aluminium flex running the full length of the chimney. The flue length must be a minimum length of 8’ (2.44m) and a maximum of 35’ (10.7m). See chart above for minimum distances from roof. Periodically check that the vent is unrestricted.

Masonry chimneys may take various contours which the flexible liner will accommodate. However, keep the flexible liner as straight as possible, avoid unnecessary bending.

Part # Description
948-305 3” Flex - 35 ft.
946-529 Regency Co-linear DV Vertical Termination Cap

Alternate Approved Caps
46DVA-VC Vertical Termination Cap
46DVA-VCH High Wind Cap
46DVA-GK 3” Co-linear Adaptor with flashing

In areas of consistently high winds, we recommend using the Simpson Dura-Vent System (46DVA-GK adapter and 46DVA-VCH high-wind cap. The Air Intake pipe must be attached to the inlet air collar of the termination cap.

FLUE LINER INSTALLATION

1) Cut the flex liner as required.
2) Mark the end of one liner with an "E" to indicate Exhaust.
3) Connect the other end of the above liner to the exhaust side of the termination adaptor, seal connection with high temperature silicone. Secure with 3 screws.
4) Connect the 2nd liner to the inlet side of the adaptor, seal connection with high temperature silicone. Secure with 3 screws.
5) Install flashing.
6) Insert both liners into chimney, passing through the damper opening.
7) Install termination cap.
8) Remove vent connector plate by removing screw located on top/ front of appliance.
9) Connect the marked end of the liner to the exhaust collar of the vent connector plate marked with an “E”, seal connection with high temperature silicone. Secure with 3 screws.
10) Connect the 2nd liner to the intake collar, seal connection with high temperature silicone.
11) Align vent connector plate with guides on unit.
12) Slide unit into masonry opening, while ensuring that the slot at the rear of the connector plate mates up with the hold down plate on the unit.

NOTE:
1) Final gas connection should be made after unit is in place to avoid damage to line when pushing the unit into position.
2) Mill-pac may be used instead of high tempure silicone and screws may be used instead of gear clamps at connections of liner to intake and vent collars.