Selecting the Right Furnace

1. **Gas type?**
   Natural or Propane.

2. **What type of insulation is in your home?**
   None, ceiling only or ceiling and walls.

3. **What is your average outside winter temperature?**

4. **What is your room size?**
   Your room size will help to determine the Btu/hr. size needed.
   
   \[L \times W \times H = \text{Total Cubic Feet}\]

5. **Calculate size needed.**
   Use the chart below to determine the Btu/hr. needed.
   - Locate your home’s insulation type from the chart below.
   - Follow the corresponding row to your average winter temperature column.
   - This is your Index Number.
   - Multiply your room size \((L \times W \times H)\) by the Index Number.
   - Example: Room Size \((30 \times 30 \times 8')\) x Average Winter Temperature of 30° (4 Index Number) = 28,800 Btu/hr needed.

<table>
<thead>
<tr>
<th>Your Home’s Insulation Type</th>
<th>Average Outside Winter Temperature in Degrees F°</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-30°</td>
</tr>
<tr>
<td>No insulation</td>
<td>14</td>
</tr>
<tr>
<td>Ceiling insulation</td>
<td>13</td>
</tr>
<tr>
<td>Ceiling &amp; wall insulation</td>
<td>12</td>
</tr>
</tbody>
</table>

6. **Selection.**
   - Select a model closest to the Btu/hr. size needed from your calculation.
   - Select a Direct-Vent model if installing the furnace on an outside wall.
   - Select a Top-Vent model if installing the heater on an inside wall.
   Most Top-Vent models may also be installed on an outside wall.

Need Help? Use our automatic Btu/hr. Sizing Calculator at www.e-wfc.com