CG-E Series

Efficient Gas-Fired Water Boiler

- 84% AFUE
- 70-280 MBH
  - In 7 sizes
- Chimney vented
- Integrated boiler control
  - User-friendly
  - Energy-saving “thermal purge” feature circulates residual warm water in heating system prior to firing boiler
  - Optional 24V LWCO add-on kit
  - Optional outdoor reset add-on kit
  - Combo high limit circulator relay
- Natural or LP gas
- Cast iron heat exchanger
  - Meets the ASME Boiler and Pressure Vessel Code
- Metal section connectors
  - Resist chemicals, increases the life of the boiler
- Step-opening gas valve
  - Provides smooth & quiet start-up
- Lifetime limited warranty
  - See your installing contractor for more warranty information

New Yorker®
RESIDENTIAL HEATING BOILERS

MADE IN U.S.A.
Ratings & Specifications

### Standard Equipment
- Insulated steel jacket
- Integral draft diverter, damper and connector included
- Heavy gauge 1" base insulation
- Integrated boiler control – Simple self-diagnostic control system with LEDs for status settings and errors
- Step-opening redundant gas valve
- 130°F minimum return temperature rating
- Spark ignition with continuous retry
- User-friendly wiring with 120V J-box
- Circulator – choice of Taco or Grundfos
- Cast iron section assembly
- Resettable blocked vent switch
- Boiler drain valve
- Cast iron supply manifold with safety relief valve tapping
- Stainless steel burners

### Ratings & Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (MBH)</th>
<th>DOE Heating Capacity (MBH)</th>
<th>Net AHRI Rating, Water (MBH)</th>
<th>AFUE%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG30E</td>
<td>70</td>
<td>59</td>
<td>51</td>
<td>84.0</td>
</tr>
<tr>
<td>CG40E</td>
<td>105</td>
<td>88</td>
<td>77</td>
<td>84.0</td>
</tr>
<tr>
<td>CG50E</td>
<td>140</td>
<td>117</td>
<td>102</td>
<td>84.0</td>
</tr>
<tr>
<td>CG60E</td>
<td>175</td>
<td>146</td>
<td>127</td>
<td>84.0</td>
</tr>
<tr>
<td>CG70E</td>
<td>210</td>
<td>176</td>
<td>153</td>
<td>84.0</td>
</tr>
<tr>
<td>CG80E</td>
<td>245</td>
<td>205</td>
<td>178</td>
<td>84.0</td>
</tr>
<tr>
<td>CG90E</td>
<td>280</td>
<td>234</td>
<td>203</td>
<td>84.0</td>
</tr>
</tbody>
</table>

All models certified for use from sea level to 10,000 feet in elevation. Input & outputs are reduced by 4% per 1,000 feet above sea level for elevations above 2,000 ft. Boilers are shipped with 30 psi safety relief valves, MAWP is 50 psi.

### Dimensions (inches)

<table>
<thead>
<tr>
<th>Model</th>
<th>Width “W”</th>
<th>Height</th>
<th>Depth (total)</th>
<th>Supply</th>
<th>Return</th>
<th>Gas Valve</th>
<th>Relief Valve</th>
<th>Vent Size Diameter (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG30E</td>
<td>14</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>4</td>
</tr>
<tr>
<td>CG40E</td>
<td>16</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>5</td>
</tr>
<tr>
<td>CG50E</td>
<td>19</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>6</td>
</tr>
<tr>
<td>CG60E</td>
<td>22</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>6</td>
</tr>
<tr>
<td>CG70E</td>
<td>25</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>7</td>
</tr>
<tr>
<td>CG80E</td>
<td>28</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>3/4</td>
<td>3/4</td>
<td>7</td>
</tr>
<tr>
<td>CG90E</td>
<td>31</td>
<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>3/4</td>
<td>3/4</td>
<td>8</td>
</tr>
</tbody>
</table>

### Notes:
1. Minimal radial distance around vent pipe and breeching for single-wall metal pipe vent connector, otherwise follow vent connector manufacturer’s recommended clearances.
2. Add height required to maintain 6” clearance from all vent components.