Gas Fired, Chimney Vented, Cast Iron Water Boiler

- 84% AFUE
- 70 – 280 MBH (7 sizes)
- All controls concealed inside boiler jacket
  - Integrated boiler control with diagnostics
  - FREE additional pump relay
  - Integral LWCO option requires no piping! (IDL-1200)
- Industry standard tapping locations, allows easy, direct replacement for thousands of existing boiler installations
- American-made cast iron heat exchanger
  - Designed to promote turbulent water flow within the section for efficient heat transfer
- A solid, reliable, full-featured boiler at a value price!
- Lifetime limited warranty
- Made in Lancaster, PA, USA
**Standard Equipment**
- Insulated steel jacket
- Integrated draft diverter, damper and connector included
- Heavy gauge 1” base insulation
- Intelligent Hydronic Control – Simple self-diagnostic control system with 3-digit readout for status settings and errors
- Step-opening redundant gas valve
- 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

**LWCO Options**
- “H” suffix models “Have” a pre-installed IDL-1200 integral LWCO (auto reset)
- “R” suffix models are “Ready” for easy upgrade with IDL-1200 kit (P/N 106495-02)
- Other X-2 models can use original LWCO 1100 kit (P/N 104083-01)

**NOTES:**
1. Minimal radial distance around vent pipe and breaching 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 breaching components.

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**X-2 Dimensions & Connections**

<table>
<thead>
<tr>
<th>Model</th>
<th>Width “W” (inches)</th>
<th>Height (inches)</th>
<th>Depth (total) (inches)</th>
<th>Supply</th>
<th>Return</th>
<th>Gas Valve</th>
<th>Relief Valve</th>
<th>Water Content (gal.)</th>
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</thead>
<tbody>
<tr>
<td>X-203</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>2</td>
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<tr>
<td>X-204</td>
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<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>3</td>
</tr>
<tr>
<td>X-205</td>
<td>19</td>
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<tr>
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<td>33-1/4</td>
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<td>3/4</td>
<td>5</td>
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<tr>
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<td>40</td>
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<td>1-1/4</td>
<td>1/2</td>
<td>3/4</td>
<td>6</td>
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<td>40</td>
<td>33-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>3/4</td>
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<td>7</td>
</tr>
<tr>
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<td>33-1/4</td>
<td>1-1/4</td>
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**X-2 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>
<th>Vent Size (Inches)</th>
<th>Approx. Shipping Weight (lbs.)</th>
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<tbody>
<tr>
<td>X-203</td>
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<td>59</td>
<td>51</td>
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</table>

* Add suffix “N” for natural gas, or suffix “L” for LP gas models
All models certified for use from sea level to 10,000 feet in elevation. Outputs are reduced by 4% per 1,000 feet above sea level for elevations above 2,000 ft.
All X-2 boilers are shipped with 30 psi relief valves, MAWP is 50 psi.

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**Dimensions (inches)**

- Width “W”
- Height
- Depth (total)
- Supply
- Return
- Gas Valve
- Relief Valve
- Water Content (gal.)

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**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 breeching components.