
DXL Series
Up to 83.5% AFUE Gas Fired Hot Water Boiler

- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples. The Sections and Push Nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets the boiler maintains a water tight seal over time.
- Advanced Fuel Smart Hydrostat Control: 3 Functions in 1 Control
  - Temperature limit with LED display and easy dial settings. Diagnostic and function indicator lights.
  - Low Water Cut-Off (LWCO), protects the boiler from damaging low water conditions.
  - Boiler Reset, lowers the boiler temperature to save fuel by turning on the burner only when needed. Setup is quick with no need to install an outdoor sensor; just dial in the number of heating zones.
- Atmospheric Chimney Vent Boiler with Integral Draft Diverter. The Integral Draft Hood reduces the overall height and footprint of the boiler making it ideal for low clearance/space limited installations.
- Textured paint Jacket with easy service access.
- Cast to Last Warranty
  20 year non-prorated limited warranty
### Dimensional Diagram

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Input Rate (MBH)</th>
<th>High Altitude Input Rate (MBH)</th>
<th>Heating Capacity (MBH)</th>
<th>Net AHRI Rating, Water (MBH)</th>
<th>Air Cushion Tank (3)</th>
<th>No. of Burners</th>
<th>AFUE %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DXL-50</td>
<td>50</td>
<td>45</td>
<td>42</td>
<td>37</td>
<td>15</td>
<td>1</td>
<td>83.5%</td>
</tr>
<tr>
<td>DXL-75</td>
<td>75</td>
<td>67.5</td>
<td>63</td>
<td>55</td>
<td>15</td>
<td>2</td>
<td>83.1%</td>
</tr>
<tr>
<td>DXL-100</td>
<td>100</td>
<td>90</td>
<td>83</td>
<td>72</td>
<td>30</td>
<td>2</td>
<td>83.0%</td>
</tr>
<tr>
<td>DXL-125</td>
<td>125</td>
<td>112.5</td>
<td>90</td>
<td>90</td>
<td>30</td>
<td>3</td>
<td>82.0%</td>
</tr>
<tr>
<td>DXL-150</td>
<td>150</td>
<td>135</td>
<td>104</td>
<td>108</td>
<td>30</td>
<td>3</td>
<td>83.0%</td>
</tr>
<tr>
<td>DXL-170</td>
<td>170</td>
<td>153</td>
<td>139</td>
<td>121</td>
<td>30</td>
<td>4</td>
<td>82.0%</td>
</tr>
<tr>
<td>DXL-200</td>
<td>200</td>
<td>180</td>
<td>165</td>
<td>143</td>
<td>30</td>
<td>4</td>
<td>82.0%</td>
</tr>
</tbody>
</table>

(1) Input rating for sea level to 2,000 ft. (610m) above sea level. United States, over 2000 ft. (610m) above sea level. Reduce input rate 4% for every 1000 ft. (304m) above sea level.

(2) Net AHRI Water Ratings shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc. For forced hot water systems where boiler and all piping within area to be heated, boiler may be selected on basis of its heating capacity.

(3) Recommended tank sizes for non-ferrous baseboard or radiant panel systems. Increase size for cast iron baseboard and radation.

### General Information

**Clearances**
- Top: 18" (457 mm)
- Left Side: 3" (76 mm)
- Right Side (Control Side): 9" (229 mm)
- Front: 4" (102 mm)
- Flue Connector: 6" (152 mm)

**Connections (All Models)**
- Return/Supply Water: 1-1/4", Gas In: 1/2" NPT

**Electrical**
- 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)

**Water Content**
- 50 - 2.4 Gallons, 75/100 - 4.0 Gallons, 125/150 - 5.6 Gallons, 170/200 - 7.2 Gallons

**Dimensions/Weights**

<table>
<thead>
<tr>
<th>Model</th>
<th>A B C D E F</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DXL-50</td>
<td>11-1/8&quot; 5-1/2&quot; 4&quot; 30-3/4&quot; 36-3/4&quot; 6&quot;</td>
<td>205 lbs.</td>
</tr>
<tr>
<td>DXL-75</td>
<td>15&quot; 7-1/2&quot; 5&quot; 30-3/4&quot; 36-3/4&quot; 6&quot;</td>
<td>253 lbs.</td>
</tr>
<tr>
<td>DXL-100</td>
<td>15&quot; 7-1/2&quot; 6&quot; 30-3/4&quot; 37-1/4&quot; 6-1/2&quot;</td>
<td>253 lbs.</td>
</tr>
<tr>
<td>DXL-125</td>
<td>18-7/8&quot; 9-1/2&quot; 6&quot; 30-3/4&quot; 37-1/4&quot; 6-1/2&quot;</td>
<td>315 lbs.</td>
</tr>
<tr>
<td>DXL-150</td>
<td>18-7/8&quot; 9-1/2&quot; 7&quot; 30-3/4&quot; 37-3/4&quot; 7&quot;</td>
<td>315 lbs.</td>
</tr>
</tbody>
</table>

**Standard Equipment**
- Boiler Control Module: Recessed Fuel Smart Hydrostat Temperature Limit, LWCO and Boiler Reset Control with Circulator Relay and Domestic Hot Water Input Override.
- User Display Interface: Temperature LED display with dial-type settings and diagnostic indicator lights.
- Combustion: Completely Installed and Wired Gas Control System with Burners and Manifold consisting of Stainless Steel Burners, Automatic Redundant Combination Gas Valve, 24 Volt Intermittent Pilot Control, Continuous Retry 100% Shut-Off, Combination Pilot Burner/Electrode/Sensor.
- Electrical: 24v Transformer
- Other: Boiler Jacket, Integral Draft Diverter, Combination Temperature/Pressure Gauge, Circulator Pump, 3/4" Drain Valve, 30lb. ASME Relief Valve.

**Options**
- Central Heating Pump (Taco, Grundfos, or Less Pump), LP Conversion Kit, Combustible Floor Plate, Fill-Trol.

**Certifications**

All ratings and specifications subject to change.

PN 240009707 Rev. 8/12

Contractor Assistance: 800.325.5479

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