BAXI
Warmth, efficiency, and total peace of mind.

Combi & Heating Boilers

Self-Monitoring
Self-Adjusting
Self-Commissioning

High Efficiency, Wall Mounted, Modulating Condensing Boiler with “THINK Intelligence Within.”

www.baxiboilers.com
Why Choose Baxi?

In North America, Baxi’s combination heating and domestic hot water boilers were first-to-market, reliably heating homes for almost 2 decades.

98% of customers recommend Baxi

Over 8 million boilers produced

Best in class ENERGY STAR® ratings at 95% AFUE provide lower utility bills and reduced carbon emissions.

Why Choose a Combi Boiler?

Combi boilers provide central heating and give you an endless supply of hot water. This means they’re economical to run, as hot water is only produced when you need it. What’s more, there’s no need for a separate water heater. Combi boilers are compact and wall-mounted, saving you valuable space.
150 Plus Years of BAXI

1866
Founder Richard Baxendale opened the doors to his new company.

1966
The Bermuda, Baxi’s most famous gas-fired boiler was launched. Celebrated 100th anniversary.

1984
A series of acquisitions took place leading to the ownership of the Bassano del Grappa plant in Italy.

2000
Baxi introduced the first high efficiency combi boiler to North America.

2006
The award-winning Baxi Duo-tec Combi high efficiency boiler was launched.

2010
Baxi merged with De Dietrich and Remeha to form BDR Thermea Group.

2018
BDR Thermea Group opens Baxi operations in North America.
Baxi’s pioneering THINK combustion management system provides the installer with the easiest boiler to commission and operate.

The THINK combustion management system continuously monitors the gas and air mix and adapts its output to suit your heat and hot water requirements most efficiently. The result is lower gas consumption, reduced wear and tear on components and ultimately increased reliability of the boiler.

Benefits of Gas Adaptive:

- Automatically adjusts – combustion analyzers are not necessary but recommended, no gas valve adjustments are required.
- Boiler adapts itself to the quality of the gas and the length of the flue gas exhaust pipes, keeping efficiency constant.
- Boiler automatically recognizes the fuel being supplied and the THINK control takes care of the rest. No LP conversion kits/orifice changes are needed.
A compact, high efficiency gas-fired solution for central heating and domestic hot water needs. The 30 GA features THINK combustion management system with gas adaptive control technology.

**FEATURES:**
- 93 MBH Input in CH Mode / 115.5 MBH in DHW Mode
- Domestic hot water flow rates 2.5 GPM @ 70° temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5.5:1 Turndown modulation ratio in central heating mode
- Enhanced stainless steel secondary heat exchanger delivers domestic hot water with 3-way diverter valve priority
- 3 speed, electronically controlled pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Product Dimensions: 15.75”(w) x 11.75”(d) x 27.5”(h)
- Weight: 79lbs

**STANDARD EQUIPMENT:**
- High limit sensors, Low water cut-off, Shut off valves, Pressure relief valve, System pressure gauge, Expansion tank and Auto bypass, Electronic Ignition, Freeze Protection Safety Device

**OPTIONAL EQUIPMENT:**
- Outdoor Sensor

**LIMITED WARRANTY:**
- Five-year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[ Refer to back page for specifications ]
Our most popular high efficiency modulating condensing combi wall-mounted boiler with multiple built-in safety and performance enhancing components. The 40 GA features THINK combustion management system with gas adaptive control technology.

FEATURES:
- 125 MBH Input in CH Mode / 152.8 MBH in DHW Mode
- Domestic hot water flow rates 3.9 GPM @ 70°F temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5.5:1 Turndown modulation ratio in central heating mode
- Enhanced stainless steel secondary heat exchanger delivers domestic hot water with 3-way diverter valve priority
- 3 speed, electronically controlled pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.72"(w) x 13.59"(d) x 30"(h)
- Weight: 102lbs

STANDARD EQUIPMENT:
- High limit sensors, Low water cut-off, Shut off valves, Pressure relief valve, System pressure gauge, Expansion tank and Auto bypass, Electronic Ignition, Freeze Protection Safety Device

OPTIONAL EQUIPMENT:
- Outdoor Sensor

LIMITED WARRANTY:
- Five-year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[ Refer to back page for specifications ]
Luna Duo-tec 60GA

Our newest high efficiency modulating condensing combi wall-mounted boiler with multiple built-in safety and performance enhancing components. The 60 GA features THINK combustion management system with gas adaptive control technology.

FEATURES:
- 164 MBH Input in CH Mode / 205 MBH in DHW Mode
- Domestic hot water flow rates 4.65 GPM @ 77°F temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5:5:1 Turndown modulation ratio in central heating mode
- 3 speed, electronically controlled pump
- Iron-Chromium Stainless Steel Burner and Brazed Plate Heat Exchanger
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.75”(w) x 21.5”(d) x 30”(h)
- Weight: 125 lbs

STANDARD EQUIPMENT:
- High limit sensors, Low water cut-off, Shut off valves, Pressure relief valve, System pressure gauge, Electronic Ignition, Freeze Protection Safety Device

OPTIONAL EQUIPMENT:
- Outdoor Sensor

LIMITED WARRANTY:
- Five-year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger
The 1.33 GA is a high efficiency modulating condensing central heating wall-mounted boiler featuring THINK combustion management system with gas adaptive control technology.

**FEATURES:**
- 125 MBH Input
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 5.5:1 Turndown modulation ratio in central heating mode
- 3 speed, electronically controlled pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.72”(w) x 13.59”(d) x 30”(h)
- Weight: 102lbs

**STANDARD EQUIPMENT:**
- High limit sensors, Low water cut-off, Shut off valves, Pressure relief valve, System pressure gauge, Expansion tank and Auto bypass, Electronic Ignition, Freeze Protection Safety Device

**OPTIONAL EQUIPMENT:**
- Outdoor Sensor

**LIMITED WARRANTY:**
- Five-year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[ Refer to back page for specifications ]
The 1.48 GA features THINK combustion management system with gas adaptive control technology. This high efficiency modulating condensing central heating boiler is a great solution to your heating needs.

**FEATURES:**
- 153 MBH Input
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 5.5:1 Turndown modulation ratio in central heating mode
- Iron-Chromium Stainless Steel Burner and Brazed Plate Heat Exchanger
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- 3 speed, electronically controlled pump
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.75”(w) x 13.59”(d) x 30”(h)
- Weight: 125 lbs

**STANDARD EQUIPMENT:**
- High limit sensors, Low water cut-off, Shut off valves, Pressure relief valve, System pressure gauge, Electronic Ignition, Freeze Protection Safety Device

**OPTIONAL EQUIPMENT:**
- Outdoor Sensor

**LIMITED WARRANTY:**
- Five-year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[ Refer to back page for specifications ]
**Baxi GL (Glass Lined)**

*Indirect Water Heater*

- Easy to Install
- Low Pressure Drop
- Magnesium Anode Rod Corrosion Protection
- Enameled Coated Steel Tank and Coil
- Minimal Standby Losses
- Flexible Scratch Resistant Jacket
- Aquastat Sensor Well
- Temperature Pressure Relief Valve
- Residential Limited Warranty:
  - Tank, 8-Years; Parts, 5-Years

*NEW FOR 2019*
### GL (GLASS LINED) Indirect Water Heater

#### Standard Equipment
- Smooth enameled coil, magnesium anode rod and temperature pressure relief valve, Honeywell Aquastat. Water tank temperature gauge.

#### Specifications
- All ratings are based on 170°F boiler water supply temperature. Domestic hot water 70°F rise, 45°F water inlet temperature. Specifications subject to change without notice.

#### Storage Volume Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Sku #</th>
<th>Storage Volume (Gallons)</th>
<th>Coil Heating Surface (Square Feet)</th>
<th>Dimensions (Inches)</th>
<th>Piping Connections N.P.T.</th>
<th>Approx. Wtg. (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H20 40 GL</td>
<td>H20IG40BX</td>
<td>42</td>
<td>14</td>
<td>45</td>
<td>24</td>
<td>1 1</td>
</tr>
<tr>
<td>H20 50 GL</td>
<td>H20IG50BX</td>
<td>53</td>
<td>14</td>
<td>51</td>
<td>24</td>
<td>1 1</td>
</tr>
<tr>
<td>H20 80 GL</td>
<td>H20IG80BX</td>
<td>79</td>
<td>20.7</td>
<td>48</td>
<td>30</td>
<td>1 1</td>
</tr>
</tbody>
</table>

#### Performance Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Sku #</th>
<th>Max. First Hour Rating Gal./Hr. @ 115°F</th>
<th>Continuous Rating Gal./Hr. @ 115°F</th>
<th>Boiler Output Needed (MBH)</th>
<th>Boiler Water Flow Through the Coil (Gal./Min.)</th>
<th>Pressure Drop Through the Coil (Ft. Water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H20 40 GL</td>
<td>H20IG40BX</td>
<td>198</td>
<td>162</td>
<td>105</td>
<td>14.0</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>256</td>
<td>220</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H20 50 GL</td>
<td>H20IG50BX</td>
<td>212</td>
<td>169</td>
<td>110</td>
<td>14.0</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>310</td>
<td>268</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H20 80 GL</td>
<td>H20IG80BX</td>
<td>228</td>
<td>164</td>
<td>110</td>
<td>14.0</td>
<td>15.9</td>
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<tr>
<td></td>
<td></td>
<td>346</td>
<td>281</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All ratings are based on 170°F boiler water supply temperature. Domestic hot water 70°F rise, 45°F water inlet temperature. Specifications subject to change without notice.

*Location for Pressure Relief Valve (field installed)*

*Honeywell Aquastat L4080B1352 (field installed)*
### Product SPECIFICATIONS

#### IN DOMESTIC HOT WATER MODE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAX</th>
<th>MIN</th>
<th>FLOW RATE (Based on 70°F Temperature rise)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMBI</td>
<td></td>
<td></td>
<td>Gallons per minute</td>
</tr>
<tr>
<td>30 GA</td>
<td>115.5</td>
<td>16.6</td>
<td>2.5</td>
</tr>
<tr>
<td>40 GA</td>
<td>152.8</td>
<td>22</td>
<td>3.9</td>
</tr>
<tr>
<td>60 GA</td>
<td>205</td>
<td>29.5</td>
<td>5</td>
</tr>
</tbody>
</table>

#### IN SPACE HEATING MODE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAX</th>
<th>MIN</th>
<th>Heating Capacity MBH</th>
<th>Efficiency AFUE %</th>
<th>Net Water MBH (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMBI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 GA</td>
<td>93.5</td>
<td>17</td>
<td>85.4</td>
<td>95</td>
<td>70</td>
</tr>
<tr>
<td>40 GA</td>
<td>125</td>
<td>22</td>
<td>113</td>
<td>95</td>
<td>98</td>
</tr>
<tr>
<td>60 GA</td>
<td>164</td>
<td>29.5</td>
<td>153</td>
<td>95</td>
<td>133</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HEAT ONLY</th>
<th>MAX</th>
<th>MIN</th>
<th>Heating Capacity MBH</th>
<th>Efficiency AFUE %</th>
<th>Net Water MBH (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.33 GA</td>
<td>125</td>
<td>22</td>
<td>113</td>
<td>95</td>
<td>98</td>
</tr>
<tr>
<td>1.48 GA</td>
<td>164</td>
<td>29.5</td>
<td>153</td>
<td>95</td>
<td>133</td>
</tr>
</tbody>
</table>

(1) Net Water Rating shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boilers for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

#### VENT MATERIAL / SIZE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>COAXIAL (2)</th>
<th>2-PIPE POLYPROPYLENE (2)</th>
<th>2-PIPE CPVC (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMBI</td>
<td>2/4&quot; (60mm/100mm)</td>
<td>3&quot; (80mm)</td>
<td>3&quot; (80mm)</td>
</tr>
<tr>
<td>30 GA</td>
<td>2/4&quot; (60mm/100mm)</td>
<td>3&quot; (80mm)</td>
<td>3&quot; (80mm)</td>
</tr>
<tr>
<td>40 GA</td>
<td>2/4&quot; (60mm/100mm)</td>
<td>3&quot; (80mm)</td>
<td>3&quot; (80mm)</td>
</tr>
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<td>3/5&quot; (80mm/125mm)</td>
<td>3&quot; (80mm)</td>
<td>3&quot; (80mm)</td>
</tr>
<tr>
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<td>2/4&quot; (60mm/100mm)</td>
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<td>3&quot; (80mm)</td>
</tr>
</tbody>
</table>

(2) Refer to IOM and vent pipe manufacturer’s instructions for equivalent lengths and approved venting materials.

#### CERTIFICATIONS

Baxi is the only company in the heating and sanitary business to have achieved all 3 certifications: Quality (ISO 9001), Environment (ISO 14001), Safety (OHSAS 18001)