High Efficiency, Wall Mounted, Modulating Condensing Light Commercial Boilers.

Baxi has always set the standard for high efficiency boilers with unsurpassed quality.
Why Choose Baxi?

The Baxi series of light commercial condensing boilers feature stainless steel heat exchangers that achieve efficiencies of 95%. The core of the control system is a microprocessor, the Comfort Master®, which manages and protects the boiler. With this type of burner control you will get the exact output the system requires. Baxi’s light commercial series of boilers can be installed in a cascade configuration to match the heating needs of larger buildings. Redundancy and increased building load matching are added benefits when installing multiple boilers. In addition, these boilers produce low emissions with NOx levels below 20 ppm.

Baxi Quality

All Baxi boilers utilize corrosion resistant stainless steel components, such as the heat exchanger and the premix fuel gas burner. Our boilers are designed to provide optimum performance and fuel efficiency. Each boiler is factory test fired with preset burner and controls for quick startup.
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.
A high efficiency, modulating condensing central heating wall-mounted boiler for large residential and light commercial applications.

**STANDARD EQUIPMENT:**
- High limit sensors, Low water cut-off, Shut off valves, 50 psi ASME pressure relief valve, System pressure gauge

**OPTIONAL EQUIPMENT:**
- Outdoor Sensor

**LIMITED WARRANTY:**
- Two-year parts warranty
- 10-Year Limited Heat Exchanger

**FEATURES:**
- 240MBH Input
- 95% AFUE
- 6.7:1 Turndown modulation ratio in central heating mode
- 3 speed, electronically controlled pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Anti-wind function, control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame stabilization – control allows the flame to stabilize before modulating, preventing flame drop out and recycling
- Electronic Ignition
- Frost Protection Mode
- Vent Material; coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.75”(w) x 23”(d) x 30.06”(h)
- Weight: 120.15lbs

[Refer to back page for specifications]
Luna Duo-tec 1.70MP

1. Condensate trap
2. Gas valve
3. Fan
4. Air/gas collector
5. Primary exchanger
6. Burner sight glass
7. Manual air vent
8. Flue sensor
9. Coaxial flue connector
10. Flue gas test port
11. Combustion air test port
12. Exchanger flange high limit
13. Ignition/Flame detection electrode
14. Spark generator
15. Automatic air vent
16. Auxiliary control board box
17. Air/gas mixer
18. Pump
19. Boiler drain
20. Pressure gauge
21. Low water cutoff
22. Thermal fuse

Top of Boiler

Combustion Air for Optional 2-Pipe Venting
Coaxial Vent Connection

Bottom of Boiler

1" Heating System Return Connection
1" Heating System Supply Connection
3/4" Gas Inlet Connection and Shutoff Valve
3/4" Condensate Drain Connection and Trap Assembly
A high efficiency modulating condensing central heating wall-mounted boiler perfect for commercial applications. Compatible with any type of hydronic air handler, wall or baseboard radiator, or in-floor radiant heating system.

**FEATURES:**
- 380 MBH Input
- 95% Thermal Efficiency
- 10.5:1 Turndown modulation ratio in central heating mode
- Fixed speed pump built in
- Automatic air vent on heat exchanger
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Anti-wind function, control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame stabilization – control allows the flame to stabilize before modulating, preventing flame drop out and recycling
- Electronic Ignition
- Frost Protection Mode
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 23.63”(w) x 25.38”(d) x 37.44”(h)
- Weight: 215.6lbs

[Refer to back page for specifications]
Luna Duo-tec 1.110MP

1. Condensate trap
2. Gas valve
3. Fan
4. Air/gas collector
5. Primary exchanger
6. Burner sight glass
7. 
8. Flue sensor
9. Coaxial flue connector
10. Flue gas test port
11. Combustion air test port
12. Exchanger flange high limit
13. Ignition/Flame detection electrode
14. Spark generator
15. Automatic air vent
16. Auxiliary control board box
17. Air/gas mixer
18. Pump
19. Boiler drain
20. Pressure gauge
21. Low water cutoff
22. Thermal fuse

Top of Boiler

Combustion Air for Optional 2-Pipe Venting
Coaxial Vent Connection

Bottom of Boiler

1 1/2" Heating System Return Connection
1 1/2" Heating System Supply Connection
1" Gas Inlet Connection and Shutoff Valve
3/4" Condensate Drain Connection and Trap Assembly
### Product Specifications

#### IN SPACE HEATING MODE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAX</th>
<th>MIN</th>
<th>Heating Capacity MBH</th>
<th>Efficiency</th>
<th>Net Water MBH (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.70 MP</td>
<td>240</td>
<td>36</td>
<td>216</td>
<td>95% AFUE</td>
<td>188</td>
</tr>
<tr>
<td>1.110 MP</td>
<td>380</td>
<td>39</td>
<td>348</td>
<td>95% THERMAL</td>
<td>303</td>
</tr>
</tbody>
</table>

#### 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>1.70 MP</td>
<td>3/5&quot; (80mm/125mm)</td>
<td>3&quot; (80mm)</td>
<td>3&quot; (80mm)</td>
</tr>
<tr>
<td>1.110 MP</td>
<td>4/6&quot; (100mm/160mm)</td>
<td>4&quot; (100mm)</td>
<td>4&quot; (100mm)</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.

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

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### 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)

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All specifications subject to change without notice.

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PN 240012383 Rev. [2/6/2019]