Residential Atmospheric Vent High Input Gas Water Heater

The Atmospheric Vent High Input Models Feature:

- **Bradford White ICON System**—Intelligent gas control with proven millivolt powered technology and built-in piezo igniter. A standard, off-the-shelf thermopile converts heat energy from the pilot flame into electrical energy to operate the gas valve and microprocessor. No need for external electricity.
  - **Enhanced Performance**—Proprietary algorithms provide enhanced First Hour Rating and tighter temperature differential.
  - **Advanced Temperature Control System**—Microprocessor controls burner operation for consistent and accurate water temperature levels up to 160°F (71°C).
  - **Intelligent Diagnostics**—Exclusive multicolor LED light indicates operation status/service required.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 160°F (871°C).
- **Side Connections**—3/4" (19mm) NPT tappings that allow easy connections for space heating applications (potable water only).
- **Insulation System**—Non-CFC foam covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Pedestal Base** (except RG2100H6N).
- **Water Connections**—Factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Hand Hole Cleanout**—Allows inspection of tank interior and facilitates the removal of sediment deposits (RG2100H6N models only).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **4" (107mm) “Snap Lock” Draft Diverter**.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Thermostatic Mixing Valve (ASSE Approved)**—Included with RG255H6N only.
- **NOx Emissions**—Less than 40 ng/J.

*May vary by region

FEATURING:

![ICON System](image)

![Hydrojet System](image)

6 or 10-Year Limited Tank Warranties / 6-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 7,334,419; 7,666,168; 7,270,087; 7,027,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,083,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,550,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,468,341; 2,262,174.
Residential Atmospheric Vent High Input Gas Water Heater

High Input Models
NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.O.C. Listed
Recovery efficiency ranging up to 90%.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal. Capacity</th>
<th>DOE Rated Storage Volume (Gal.)</th>
<th>BTU/hr. Input</th>
<th>LP BTU/hr. Input</th>
<th>First Hour Rating (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>U.S. Imp. GPH</th>
<th>LP GPH</th>
<th>Recovery at 90°F Rise*</th>
<th>Model Number</th>
<th>Nominal Litre Capacity</th>
<th>DOE Rated Storage Volume (Liters)</th>
<th>KW Input</th>
<th>LP KW</th>
<th>First Hour Rating (Liters)</th>
<th>Uniform Energy Factor</th>
<th>Liters/ Hour</th>
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</thead>
<tbody>
<tr>
<td>RG25H6N</td>
<td>48 40</td>
<td>46</td>
<td>65,000</td>
<td>65,000</td>
<td>106 0.63</td>
<td>70 35 70 35</td>
<td>1527</td>
<td>73 6 /2 3</td>
<td>1318</td>
<td>RG255H6N</td>
<td>182 174</td>
<td>19.0 17.9</td>
<td>401 0.63</td>
<td>265 265</td>
<td></td>
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<td></td>
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<tr>
<td>RG255H6N</td>
<td>55 46</td>
<td>55</td>
<td>78,000</td>
<td>78,000</td>
<td>117 0.61</td>
<td>84 70 84 70</td>
<td>284 273</td>
<td>23.3 23.3</td>
<td>477 0.59</td>
<td>RG275H6N</td>
<td>208 208</td>
<td>22.9 22.3</td>
<td>443 0.61</td>
<td>318 318</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>RG275H6N</td>
<td>75 63</td>
<td>72</td>
<td>76,000</td>
<td>76,000</td>
<td>135 0.59</td>
<td>82 68 82 68</td>
<td>379 360</td>
<td>23.4 23.4</td>
<td>519 0.57</td>
<td>RG270H6N</td>
<td>284 273</td>
<td>22.3 22.3</td>
<td>477 0.59</td>
<td>310 310</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RG2100H6N</td>
<td>100 83</td>
<td>96</td>
<td>80,000</td>
<td>80,000</td>
<td>157 0.57</td>
<td>85 71 85 71</td>
<td>519 360</td>
<td>23.4 23.4</td>
<td>519 0.57</td>
<td>RG270H6N</td>
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</tbody>
</table>

Propane models feature a Titanium Stainless Steel propane burner. For LP models, change suffix "N" to "X".

For 10 year models, change suffix from "6" to "10" (Not available on RG255H6N).

* Based on manufacturer’s rated recovery efficiency.

RG2100H6N model features hand hole cleanout.

Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

General:

Meets NAECA or EPACT Requirements, as applicable.

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All gas connections are 1/2" (13mm).

All models design-certified by CSA International (formerly AQA/GCA), ANSI Z21.10.3 and peak performance rated (except RG250H6N = ANSI Z21.10.1).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

Suitable for Water (Potable) Heating and Space Heating. Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.

For field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931  Fax 215-641-1612
Technical Support 800-334-3393  Email techserv@bradfordwhite.com
Warranty 800-531-2111  Email warranty@bradfordwhite.com
International Telephone 1-215-641-9400  Email international@bradfordwhite.com / www.bradfordwhite.com

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