

Atmospheric Vent High Input Residential Gas Water Heater

Features

- **Defender Safety System®****—Designed to be the safest & most reliable flammable vapor ignition resistant system in the industry with a proven track record since 2003. Featuring an advanced ScreenLok® technology flame arrestor design, resettable thermal switch, sight window, and designed to be maintenance-free.
- **Bradford White ICON System®***—Intelligent gas control with no need for external electricity. Proprietary algorithms provide tighter temperature differential and consistent water temperature levels up to 160°F (71°C). LED light indicates operation status/service required.
- **Vitraglas® Lining with Microban®**—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.

Additional Details

- **Water Connections**—Factory-installed true dielectric waterways 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 Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **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.



Photo is of RG255H6N

Bradford White
DEFENDER
Safety System™

BRADFORD WHITE
ICON
System

VITRAGLAS
SUPERIOR PROTECTION SINCE 1981
+
MICROBAN®
Hydrojet

*May vary by region

**Only available in the RG250H6N



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. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

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SPECIFICATIONS HIGH INPUT MODELS

Natural Gas and Liquid Propane Gas

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

Model Number	Rated Nominal Volume		BTU/Hr. Input	LP BTU/Hr. Input	First Hour Rating (Gal.)	Uniform Energy Factor	Recovery at 90°F Rise*			
	U.S. Gal.	Imp. Gal.					U.S. GPH	Imp. GPH	U.S. GPH	LP Imp. GPH
RG250H6N	48	40	65,000	65,000	106	0.63	70	35	70	35
RG255H6N	55	46	78,000	78,000	117	0.61	84	70	84	70
RG275H6N	75	63	76,000	76,000	135	0.59	82	68	82	68
RG2100H6N	100	83	80,000	80,000	157	0.57	85	71	85	71

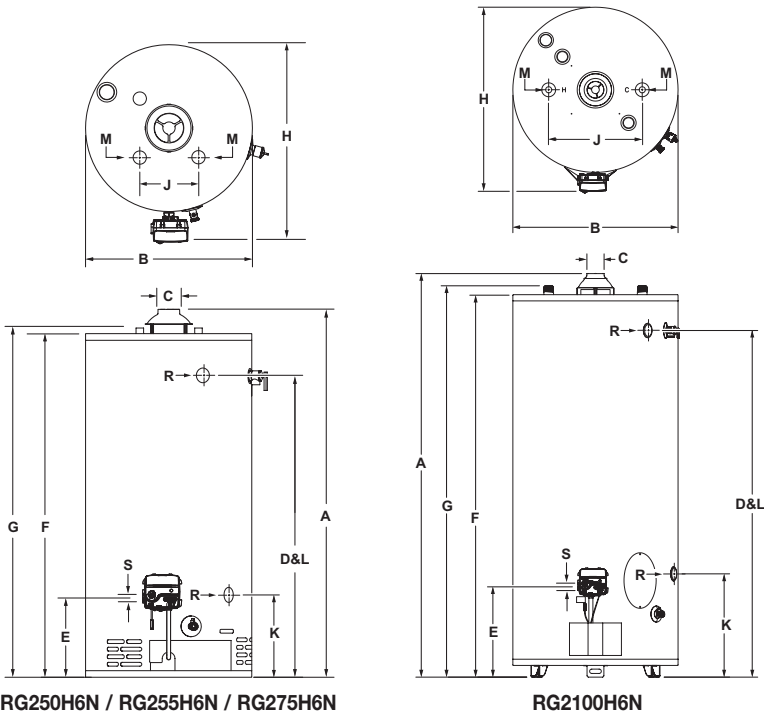
Model Number	Rated Nominal Volume		kW Input	LP kW Input	First Hour Rating (Liters)	Uniform Energy Factor	Recovery at 50°C Rise*	
	Liters						Liters/Hour	LP Liters/Hour
RG250H6N	182		19.0	17.9	401	0.63	265	265
RG255H6N	208		22.9	22.3	443	0.61	318	318
RG275H6N	284		22.3	22.3	477	0.59	310	310
RG2100H6N	379		23.4	23.4	519	0.57	322	322

Model Number	A Floor to Flue Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Top of Heater in.	G Floor to Water Conn. in.	H Depth in.	J C/L of Water Conn. in.	K Floor to Space Heating Inlet in.	L Floor to Space Heating Outlet in.	M Water Conn. NPT in.	R Space Heating Conn. Size in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.
RG250H6N	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	11	137 1/16	49 15/16	3/4	3/4	1/2	189
RG255H6N	58 1/2	24	4	48 1/8	13 1/8	54 3/4	56 1/2	27 1/4	8	13 1/2	48 1/8	3/4	3/4	1/2	210
RG275H6N	62 5/8	26	4	51 7/8	15	59 5/8	60 1/16	29 1/4	11	16 5/8	51 7/8	1	3/4	1/2	240
RG2100H6N	71 1/2	28 1/4	4	59 5/16	15 3/16	65 5/16	66 1/2	31 3/4	16	17 5/8	50 5/8	1 1/4	3/4	1/2	413

Model Number	A Floor to Flue Conn. mm.	B Jacket Dia. mm.	C Vent Size mm.	D Floor to T&P Conn. mm.	E Floor to Gas Conn. mm.	F Floor to Top of Heater mm.	G Floor to Water Conn. mm.	H Depth mm.	J C/L of Water Conn. mm.	K Floor to Space Heating Inlet mm.	L Floor to Space Heating Outlet mm.	M Water Conn. NPT mm.	R Space Heating Conn. Size mm.	S Gas Conn. Size mm.	Approx. Shipping Weight kg.
RG250H6N	1527	559	102	1268	330	1438	1457	648	279	341	1268	19	19	13	86
RG255H6N	1486	607	102	1222	333	1391	1435	692	203	343	1222	19	19	13	95
RG275H6N	1591	660	102	1318	381	1514	1526	743	279	422	1318	25	19	13	109
RG2100H6N	1816	718	102	1507	389	1659	1689	806	406	448	1286	32	19	13	187

Propane models feature a Titanium Stainless Steel propane burner.
For Propane (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.
Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.
RG2100H6N model features hand hole cleanout.



GENERAL:

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, ANSI standard Z21.10.3 and peak performance rated (RG250H6N = ANSI Z21.10.1).
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.

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