

Atmospheric Vent 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 Antimicrobial Technology**—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 1600°F (871°C).
- **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

- **3x4 "Snap Lock" Draft Diverter**—Allows 3" (76mm) or 4" (102mm) vent connections with inputs of 40,000 BTU/Hr. or less. Over 40,000 BTU/Hr. has the 4" (102mm) "Snap Lock" Draft Diverter.
- **Insulation System**—Non-CFC foam covers the tank, reducing heat loss, energy consumption, and improves efficiency and jacket rigidity.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning while providing corrosion-resistant contact with floor.
- **Water Connections**—NPT factory installed dielectric waterway with heat traps.
- **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.
- **NOx Emissions**—Less than 40 ng/J.
- **Small Diameter Models Available**—For limited space installations.

*May vary by region



Photo is of RG240T6N

Bradford White
DEFENDER
Safety System

BRADFORD WHITE
ICON
System

VITRAGLAS
SUPERIOR PROTECTION SINCE 1941

Hydrojet



6 or 10-Year Limited Tank Warranties / 1-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.

INT1101-0725

Atmospheric Vent

Residential Gas Water Heater

SPECIFICATIONS

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). Recovery efficiency ranging up to 80%.

Model Number	Rated Nominal Volume		DOE Rated Storage Volume	BTU/Hr. Input		First Hour Rating	Uniform Energy Factor	Recovery at 90°F Rise*				Model Number	Rated Nominal Volume		DOE Rated Storage Volume	kW Input	LP kW Input	First Hour Rating	Uniform Energy Factor	Recovery at 50°C Rise*	
	U.S. Gal.	Imp. Gal.		Gal.	BTU/Hr. Input			U.S. GPH	Imp. GPH	U.S. GPH	Imp. GPH		Liters	Liters						Liters/Hour	LP Liters/Hour
RG130T6N*	30	25	29	27,000	27,000	46	0.54	29	24	29	24	RG130T6N*	114	110	110	7.9	7.9	174	0.54	110	110
RG230T6N*	30	25	29	32,000	31,000	60	0.60	34	28	33	23	RG230T6N*	114	110	110	9.4	9.1	227	0.60	129	125
RG230S6N	30	25	29	30,000	26,000	49	0.54	32	37	32	27	RG230S6N	114	110	110	8.8	7.6	186	0.54	121	121
RG140T6N*	40	33	38	34,000	34,000	64	0.59	37	31	37	31	RG140T6N*	151	144	144	10.0	9.9	243	0.59	139	139
RG240T6N*	40	33	38	40,000	36,000	75	0.64	43	36	34	33	RG240T6N*	151	144	144	11.7	10.6	284	0.64	163	129
RG240S6N*	40	33	38	40,000	38,000	69	0.58	43	36	41	34	RG240S6N*	151	144	144	11.7	11.1	262	0.58	163	155
RG150T6N*	50	42	47	34,000	34,000	75	0.63	37	31	37	31	RG150T6N*	189	178	178	10.0	9.9	284	0.63	139	139
RG250T6N*	50	42	48	40,000	36,000	81	0.63	43	36	41	34	RG250T6N*	189	182	182	11.7	10.6	307	0.63	163	155
RG250L6N	48	40	47	40,000	38,000	77	0.63	43	36	41	34	RG250L6N	182	178	178	11.7	11.1	292	0.63	163	155
RG250S6N*	50	42	47	50,000	48,000	75	0.63	54	45	52	45	RG250S6N*	189	178	178	14.7	14.1	284	0.63	204	197

Model Number	A Floor to Exhaust Conn.	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Top of Heater	G Floor to Water Conn.	H Depth	J C/L of Water Conn.	M Water Conn. NPT	S Gas Conn. Size	Approx. Shipping Weight
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
RG130T6N*	59 3/4	16	3 or 4	49 3/4	13	56 1/4	57	19 1/2	8	3/4	1/2	106
RG230T6N*	59 3/4	18	3 or 4	49 3/4	13	56 1/4	57	21 1/2	8	3/4	1/2	116
RG230S6N	49 1/4	20	3 or 4	38 7/8	13	45 3/4	46 1/2	23 1/2	8	3/4	1/2	113
RG140T6N*	61 5/16	18	3 or 4	51 5/8	13	57 13/16	59 9/16	21 1/2	8	3/4	1/2	132
RG240T6N*	60 1/8	20	3 or 4	49 3/4	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	134
RG240S6N*	51 9/16	22	3 or 4	41 1/16	13	48 1/16	48 13/16	25 1/2	8	3/4	1/2	139
RG150T6N*	60 1/8	20	3 or 4	49 15/16	13	56 5/8	57 3/8	23 1/2	8	3/4	1/2	148
RG250T6N*	60 1/8	22	3 or 4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	154
RG250L6N	51 9/16	24	3 or 4	40 11/16	13	48 1/16	48 13/16	27 1/2	8	3/4	1/2	170
RG250S6N*	60 1/8	22	4	49 15/16	13	56 5/8	57 3/8	25 1/2	8	3/4	1/2	167

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	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
RG130T6N*	1518	406	76 or 102	1264	330	1429	1448	495	203	19	13	48
RG230T6N*	1518	457	76 or 102	1264	330	1429	1448	546	203	19	13	53
RG230S6N	1251	508	76 or 102	987	330	1162	1181	597	203	19	13	51
RG140T6N*	1557	457	76 or 102	1311	330	1468	1513	546	203	19	13	60
RG240T6N*	1527	508	76 or 102	1264	330	1438	1457	597	203	19	13	61
RG240S6N*	1310	559	76 or 102	1043	330	1221	1240	648	203	19	13	63
RG150T6N*	1527	508	76 or 102	1268	330	1438	1457	597	203	19	13	67
RG250T6N*	1527	559	76 or 102	1268	330	1438	1457	648	203	19	13	70
RG250L6N	1310	610	76 or 102	1033	330	1221	1240	699	203	19	13	77
RG250S6N*	1527	559	102	1268	330	1438	1457	648	203	19	13	76

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".

* Based on manufacturer's rated recovery efficiency.

• Models feature optional top T&P location and must be specified when ordering.

Note: RG230S6N and RG250L6N do not have top T&P option.

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

GENERAL:

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All water connections are 3/4" NPT (19mm) on 8" (203mm) centers. All gas connections are 1/2" (13mm). All models design-certified by CSA International to ANSI standard 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.

