

Residential TTW® High Performance Energy Saver Gas Water Heater



Photo is of
GX-1-TW-55S6BN

The Power Vent High Performance Models feature:

- **High Input Combustion System**—Generates enough hot water in the first hour for whirlpool tubs, garden tubs or body sprays in addition to whole house duty.
- **High Recovery and First Hour Delivery**—When tested to the industry standard residential first hour delivery procedure, the GX-2-TW-25S can provide 155 gallons and the GX-1-TW-55S will deliver 200 gallons.
- **Integrated Mixing Device**—Features an accurate, easy to use hand wheel for adjusting mixed water temperature, a pre-piped stainless steel flexible connector for quick installation as well as optional water connections (1/2" NPT recirculation inlet, 1/2" NPT hot water outlet, 1/4" NPT cold water outlet). This required system is easily installed and ensures a comfortable outlet temperature while providing a steady flow of hot water.
- **Helical Fin Flue**—Specifically welded fins slow down the products of combustion, optimizing increased surface area efficiency and the amount of heat transferred to the water.
- **Honeywell Self Diagnostic Electronic Gas Control**—Intelligent gas control with spark to pilot ignition that eliminates the constant burning pilot. This results in savings of pilot gas during stand-by periods (120 V.A.C.).
 - **Enhanced Performance**—Proprietary algorithms provide enhanced First Hour Delivery ratings and tighter temperature differentials.
 - **Advanced Temperature Control System**—Microprocessor constantly monitors and controls burner operation to maintain accurate and consistent water temperature levels.
 - **Intelligent Diagnostics**—An exclusive green LED light prompts the installer during start-up and provides ten different diagnostic codes to assist in troubleshooting.
 - **Pilot On Indication**—Flashing green LED provides positive indication that pilot is on.
- **Factory Installed Hydrojet 2™ Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up in tank.
- **Vitraglas® Lining**—Bradford White tanks are lined with 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.
- **Powerful Blower Motor**—Our significantly quiet design has greater resistance to outside winds and the power to vent in many difficult venting situations.
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected (not FVIR compliant).
- **3/4" NPT Side Connections.**
- **Horizontal and Vertical Venting**—With 3" or 4" PVC, ABS or CPVC (maximum equivalent vent lengths on reverse side).
- **Non-CFC Foam Insulation**—Energy saving insulation covers the sides and top of the tank, reducing the amount of heat loss while increasing jacket rigidity. GX-2-TW has 2" of insulation, GX-1-TW has 1" of insulation.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings.
- **Two Protective Magnesium Anode Rods.**
- **Pedestal Base.**
- **T&P Relief Valve**—Installed.
- **Brass Drain Valve**—Durable tamper proof design.

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6-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.

Residential Power Vent Gas Water Heater

TTW® High Performance Energy Saver Models

NATURAL GAS AND LIQUID PROPANE MODELS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
82% Thermal Efficiency

Model Number	Capacity		Recovery at 90°F Rise *				A Floor to Flue Conn	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Space Heating Return in.	G Floor to Space Heating Outlet in.	H Floor to Heater Top	J Floor to Water Conn.†	K Depth	Approx. Shipping Weight		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. GPH	LP U.S. GPH	LP Imp. GPH	in.	in.	in.	in.	in.	in.	in.	in.	lbs.		
GX-2-TW-25S6BN	25	21	76,000	76,000	82	68	82	68	62 ⁵ / ₈	18	3	48	11 ¹ / ₂	13 ³ / ₈	48	52 ⁷ / ₈	56 ⁷ / ₈	25 ³ / ₈	170
GX-1-TW-55S6BN	55	46	78,000	78,000	84	70	84	70	63 ³ / ₄	22	3	48	11 ¹ / ₂	13 ³ / ₈	48	54	58	27 ³ / ₈	215

Model Number	Capacity		Recovery at 50°C Rise *				A Floor to Flue Conn	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Space Heating Return mm.	G Floor to Space Heating Outlet mm.	H Floor to Heater Top	J Floor to Water Conn.†	K Depth	Approx. Shipping Weight
	Liters		Nat. kW Input	LP kW Input	Nat. Liters/ Hour	LP Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
GX-2-TW-25S6BN	94		22.3	22.3	310	310	1575	457	76	1219	279	330	1219	1343	1444	644	77
GX-1-TW-55S6BN	208		22.9	22.9	317	317	1660	559	76	1219	279	330	1219	1372	1473	695	97

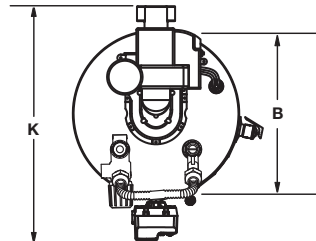
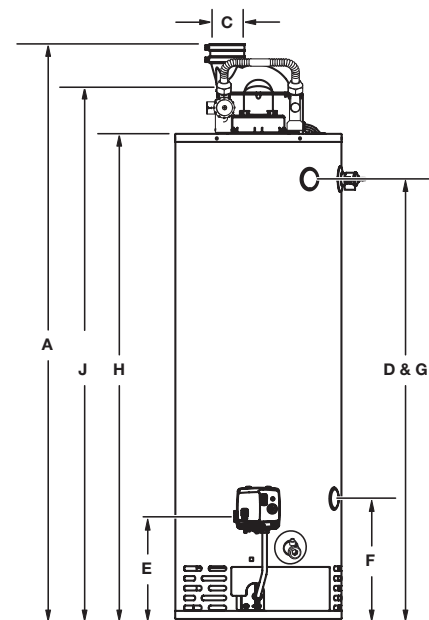
Propane models feature a Titanium Stabilized Stainless Steel propane burner.

For propane (LP) models, change suffix "BN" to "SX".

*Based on manufacturers rated recovery efficiency.

†Dimension to top of installed mixing device.

110 V.A.C. Required for Power Venting / 110 V.A.C., 60HZ, 3.1 Amperes

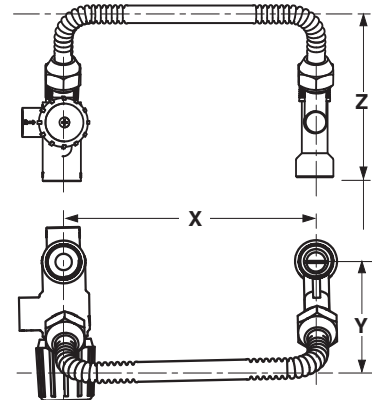


GX-2-TW-25S6BN GX-1-TW-55S6BN	Vent Pipe	
	3"	4"
Max. Equivalent Length	†60 ft.	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.
Number of 90° Elbows	1 55 ft. 2 50 ft. 3 45 ft.	175 ft. 170 ft. 165 ft.

Subtract 5 ft. for each additional 90° elbow.

†For high altitude installations, consult the installation instructions.

Integrated Mixing Device
(Installation required for operation)



Model Number	X Distance Between Centers in.	Y Depth of Mixing Device in.	Z Height to Center of Pipe in.
GX-2-TW-25S6BN	8	2 ¹ / ₂	6
GX-1-TW-55S6BN	8	2 ¹ / ₂	6

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 (formerly AGA/CGA), ANSI standard Z-21.10.3 and peak performance rated.

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 U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

BRADFORD WHITE-CANADA® INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

Built to be the Best™

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