



# TTW2

## Residential Through-The-Wall Energy Saver Gas Water Heater



Photo is of  
M-2-TW-50T6FBN

**The TTW2 FVIR Defender Safety System® Models Feature (50 and 65 gallon models, only):**

- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater.
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected. The sensor will also prevent operation if there is ongoing flammable vapor burn inside the combustion chamber.
- **Maintenance Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions.
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning, and provides corrosion resistant contact with floor.
- **Stainless Steel Flue Baffle**—Designed to maximize the amount of heat absorbed in the lower portion of tank. Reduces air movement in the heater during standby periods to retard heat loss up the flue.

**All TTW2 Models Feature:**

- **Powerful Blower Motor**—Our design has higher torque for greater resistance to outside winds and the power to eliminate problems with difficult venting situations. This significantly quieter motor runs cooler for a considerably longer operational life.
- **Spark to Pilot Ignition System**—Eliminates the constant burning pilot used on other water heaters. This device results in savings of pilot gas during standby periods. (110 VAC required to heater).
- **Electronic Gas Control Valve**—The integrated, immersion gas control valve offers more precise temperature control for higher first hour delivery and also allows water temperature adjustment without removing the cover. The control is equipped with an LED to display heater status and aid in diagnostics.
- **Horizontal and Vertical Venting**—With 3" or 4" PVC, ABS or CPVC (Maximum equivalent vent length on reverse side).
- **Vitraglas® Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by a ceramic porcelain-like coating. The exclusive high silica ceramic lining provides a tough interior surface for our water heater tank.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **Side Connections**—Side tappings allow easy connection for space heating applications.
- **Protective Magnesium Rod**—Provides added protection against corrosion for long trouble-free service.
- **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 at top of tank. (M-2-TW75 has Factory Installed Hydrojet®).
- **Factory Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings. Extends water heater life and eases installation.
- **2" Non-CFC Foam Insulation**—Covers the sides and top of tank to save energy by retarding loss of heat. Also increases jacket rigidity.
- **Brass Drain Valve.**
- **T&P Relief Valve Included**
- **Design Certified by CSA International (formerly AGA and CGA).**



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

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

Bradford White received the highest numerical score among water heater/boiler manufacturers in the proprietary J.D. Power and Associates/ McGraw-Hill Construction 2006 HVAC and Water Heater/Boiler Subcontractor Satisfaction Study™. Study based on 882 responses measuring 3 water heater/boiler manufacturers and measures opinions of subcontractors. Proprietary study results are based on experiences and perceptions of subcontractors surveyed in May through July 2006. Your experiences may vary. Visit [jdpower.com](http://jdpower.com)

**MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS:** 7,063,133 B2; 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105.

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# TTW<sup>®</sup> 2 Through-The-Wall Gas Water Heater



## Deluxe Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
80% Recovery Efficiency

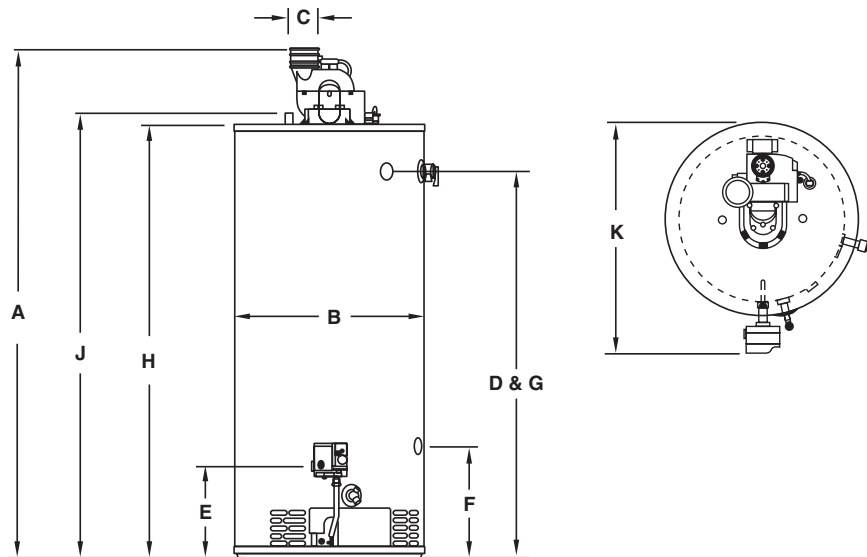
Model Number	Capacity		LP BTU/Hr Input	Recovery 90°F Rise*				A Floor to Vent Conn. in.	B Jacket Dia. in.	C Vent Size in.	D Floor to T&P Conn. in.	E Floor to Gas Conn. in.	F Floor to Space Heating Return in.	G Floor to Space Heating Outlet in.	H Floor to Heater Top in.	J Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.		Nat. BTU/Hr Input	Nat. U.S. GPH	Imp. GPH	LP U.S. GPH												LP Imp. GPH
M-2-TW-50T6FBN	48	40	67,000	60,000	72	60	65	54	65%	22	3	50%	11%	13%	50%	56%	57%	26%	188
M-2-TW-65T6FBN	65	54	70,000	63,000	75	63	68	56	69	24	3	53%	11%	13%	53%	59%	60%	28%	222
M-2-TW-75T6BN	75	62	76,000	75,500	82	68	81	67	69%	26	3	53	15	17%	53	60%	61%	31	277

Model Number	Capacity		LP kW Input	Recovery 50°C Rise*		A Floor to Vent 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 Space Heating Return mm.	G Floor to Space Heating Outlet mm.	H Floor to Heater Top mm.	J Floor to Water Conn. mm.	K Depth mm.	Approx. Shipping Weight kg.
	Liters	Liters		Nat. kW Input	LP kW Input											
M-2-TW-50T6FBN	182	19.6	17.6	273	245	1673	560	76	1273	298	343	1273	1432	1467	679	85
M-2-TW-65T6FBN	246	20.5	18.5	285	257	1753	610	76	1360	298	343	1360	1511	1543	730	101
M-2-TW-75T6BN	284	22.3	22.1	310	306	1772	660	76	1346	381	451	1346	1530	1562	787	126

All propane heaters are equipped with a cast iron burner. To order a propane heater change suffix "BN" to "CX".  
For 10 year models, change suffix from "6" to "10".

\*Based on manufacturer's rated recovery efficiency.

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



	3" Vent Pipe	4" Vent Pipe
M-2-TW50		
M-2-TW65		
M-2-TW75		
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 5ft. for each additional 90° elbow  
†For high altitude installations, consult the installation instructions.

\*\*M-2-TW75 Max. 3" vent length is 50ft.

Note: (M-2-TW75 will not have a pedestal base).

### All natural gas models meet SCAQMD Requirements. Meets NAECA Requirements

#### General

All gas water heaters are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure.

All water connections are 3/4" NPT (19mm) on 11" (279mm) centers, all gas connections are 1/2" (13mm).

All models design certified by CSA International (formerly AGA/CGA), ANSI Z-21.10.1 and/or 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.



Ambler, PA

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 / Fax on Demand 888-538-7833 / www.bradfordwhite.com

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For *Everything* Hot Water™

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