



## Light Duty Commercial Atmospheric Vent Energy Saver Gas Water Heater



Photo is of  
65T-65FB-3N

### The LD Atmospheric Vent FVIR Defender Safety System® Models Feature (50T and 65T Models, Only):

- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater.
- **Resettable Thermal Switch**—Proven and reliable bimetallic switch prevents burner and pilot operation in case of ongoing flammable vapor burn inside of the combustion chamber or restricted air flow.
- **Piezo Igniter**—Easy and quick lighting of the pilot burner by push button.
- **Pedestal Base**—Rugged and durable base allows easy transport, positioning, and provides corrosion resistant contact with floor.
- **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.

### All Light Duty Atmospheric Vent Models Feature:

- **Factory installed Hydrojet® 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 (100T-88 features Hydrojet® Sediment Reduction System).
- **Vitraglas® Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas® lining provides a tough interior surface for our water heater tanks.
- **Precise Temperature Control**—Adjustable thermostat to any temperature up to 180°F. An auto-reset Energy Cut-Off (ECO) shuts off all gas in the event of an overheat condition (Not recommended for 180°F sanitizing).
- **Side Connections**—3/4" NPT tapings allow easy connections for space heating applications (potable water only).
- **2" Non-CFC Foam Insulation**—Surrounds the tank surface, saving energy by retarding loss of heat.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings extend water heater life and eases installation. (75T has 1" NPT and 100T has 1½" NPT factory installed dielectric water way fittings.)
- **Factory Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation. (75T and 100T do not incorporate heat traps.)
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble free service.
- **"Snap Lock" Draft Diverter.**
- **Flue Baffle**—Maximizes the amount of heat absorbed by the tank and reduces heat loss during standby periods.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded.
- **T&P Relief Valve**—Installed.
- **Brass Drain Valve.**
- **Design Certified by CSA International (formerly AGA/CGA).**



### 3 or 5-Year Limited Tank Warranties / 1-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; 5,954,492; 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. Defender Safety System®, ScreenLok®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

## Light Duty Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

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

Model Number	Capacity		Recovery at 100°F Rise*				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 Space Htg. Return in.	G Floor to Space Htg. Outlet in.	H Floor to Water Conn. in.	K Depth in.	Approx. Shipping Weight lbs.		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Imp. U.S. GPH											LP U.S. GPH	LP Imp. GPH
50T-65FB-3N	48	40	65,000	61,000	63	53	59	49	59 <sup>1</sup> / <sub>4</sub>	22	4	50	13	13 <sup>1</sup> / <sub>2</sub>	50	57	26	164
65T-65FB-3N	65	54	65,000	63,000	63	53	61	51	63	24	4	53 <sup>1</sup> / <sub>2</sub>	12 <sup>3</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>2</sub>	53 <sup>1</sup> / <sub>2</sub>	60 <sup>3</sup> / <sub>4</sub>	28	205
75T-80B-3N	75	62	76,000	76,000	74	62	74	62	63 <sup>3</sup> / <sub>4</sub>	26	4	53	16 <sup>1</sup> / <sub>2</sub>	17 <sup>3</sup> / <sub>4</sub>	53	61 <sup>1</sup> / <sub>4</sub>	30	294
100T-88B-3N	100	83	85,000	88,000	82	69	85	71	68 <sup>5</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	4	59 <sup>9</sup> / <sub>16</sub>	15 <sup>5</sup> / <sub>8</sub>	17 <sup>5</sup> / <sub>8</sub>	50 <sup>5</sup> / <sub>8</sub>	67 <sup>5</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>4</sub>	420

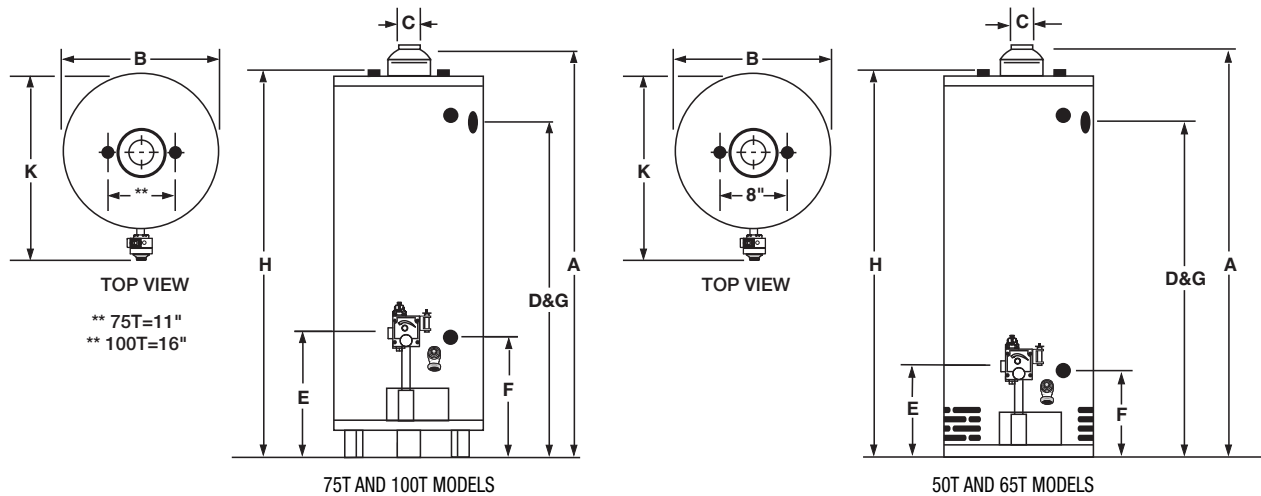
Model Number	Capacity		Recovery at 56°C Rise*		A Floor to Flue Conn. mm.	B Jacket Dia. mm.	C Vent Size mm.	D Floor to T&P Conn. mm.	E Floor to Gas Conn. mm.	F Floor to Space Htg. Return mm.	G Floor to Space Htg. Outlet mm.	H Floor to Water Conn. mm.	K Depth mm.	Approx. Shipping Weight kg.	
	Liters	Nat. kW Input	LP kW Input	Nat. Liters/ Hour											LP Liters/ Hour
50T-65FB-3N	182	19.1	17.9	238	223	1550	559	102	1270	330	343	1270	1448	660	74
65T-65FB-3N	246	19.1	18.4	238	231	1600	609	102	1359	309	342	1359	1543	711	93
75T-80B-3N	284	22.2	22.2	280	280	1619	660	102	1346	419	451	1346	1556	762	133
100T-88B-3N	279	25.0	25.8	310	322	1743	718	102	1506	397	448	1286	1718	819	191

All propane heaters are equipped with a cast iron burner. To order a propane heater remove the "B" designator and change suffix "N" to "X".  
For 5 year models, change suffix "3" to "5".

\*Based on manufacturers rated recovery efficiency.

Hand Hole Cleanout standard on 100T and optional on 75T models.

NSF kits available.



### Meets NAECA Requirements

#### General

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). The 50T and 65T water connections are 3/4" NPT (19mm) on 8" (203mm) centers. The 75T water connections are 1" (25mm) NPT on 11" (279mm) centers and 100T water connections are 1 1/4" (32mm) NPT on 16" (406mm) centers. All gas connections 1/2" (13mm).

All models design certified by CSA International (formerly AGA/CGA), ANSI standard Z-21.10.1 and/or 10.3 and peak performance rated. This Water Heater can be used as an Automatic Storage Heater, and an Automatic Circulating Tank Heater.

**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](http://www.bradfordwhite.com)

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