



## Residential Energy Saver Gas-Upright



Photo is of  
M-I-5036FBN

**The Bradford White Defender Safety System® Models Feature (Except M-I-75S and M-I-100T):**

- **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 and positioning, while providing 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 Energy Saver Upright Models Feature:**

- **DOE**—All residential storage models meet or exceed efficiency requirements of the Department of Energy, ASHRAE Standard 90.1 b (current standard) and the National Appliance Energy Conservation Act of 1987 recent amendment effective January 20, 2004 which supercedes all state and local efficiency requirements.
- **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 at top of tank. (100 gallon models come equipped with the Hydrojet® Sediment Reduction System).
- **Fully Automatic Controls**—Automatic temperature selection at your fingertips. Built-in energy cut-off switch prevents abnormally high water temperature for extra safety. Built-in gas pressure regulation.
- **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 hot water tanks.
- **1" Non-CFC Foam Insulation**—Surrounds the tank surface, saving energy by retarding loss of heat (M-I-75 has 1 1/4" and M-I-100T has 2").
- **Flue Baffle**—Designed to maximize the amount of heat absorbed in the lower portion of tank. Minimizes air movement in the heater during standby periods to retard heat loss up the flue.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Brass Drain Valve.**
- **3x4 "Snap Lock" Draft Diverter**—Allows either 3" or 4" vent connections with inputs of 40,000 BTU/Hr or less. Over 40,000 BTU/Hr has the 4" "Snap Lock" Draft Diverter.
- **T&P Relief Valve Included.**
- **Factory Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation (Except M-I-75S & M-I-100T).
- **Water Connections**—3/4" NPT factory installed true dielectric fittings. Extends water heater life and eases installation (M-I-75S has 1" NPT and M-I-100T has 1 1/4" NPT factory installed dielectric waterway fittings).
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **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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# Residential Energy Saver Gas-Upright



## Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Recovery efficiency ranging up to 78% (M-I-75S and M-I-100T have an 80% recovery efficiency)

Model Number	Capacity		Recovery 90°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 Water Conn. 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									
M-I-30T6FBN	30	25	32,000	31,000	33	28	32	27	59%	16	3x4	49%/56%	13	57 1/2	104
M-I-30S6FBN	30	25	30,000	26,000	31	26	27	23	48%	18	3x4	38%	13	46%	100
M-I-30T6FBN	29	24	40,000	35,000	42	34	37	31	58	16	3x4	49%/55%	13	56 1/2	109
M-I-40T6FBN	40	33	40,000	36,000	42	34	38	32	59%	18	3x4	50%/56%	13	57%	120
M-I-40S6FBN	40	33	40,000	38,000	42	34	40	33	50	20	3x4	41/47%	13	48%	128
M-I-40T6FBN	40	33	50,000	48,000	53	44	50	42	60%	18	4	51 1/2/58	13	58%	127
M-I-50S6FBN	50	42	40,000	36,000	42	34	38	32	59%	20	3x4	50/57	13	58	145
M-I-50L6FBN	48	40	40,000	38,000	42	34	40	33	49%	22	3x4	40%	13	48%	153
M-I-50S6FBN	50	42	50,000	48,000	53	44	50	42	58 1/2	20	4	50/55%	13	57	150
M-I-60T6FBN	60	50	40,000	38,000	42	34	40	33	60%	22	3x4	50%	13	58 1/2	166
M-I-75S6BN	75	63	76,000	76,000	82	69	82	69	63%	24 1/2	4	53	16	61 1/2	264
M-I-100T6BN	100	83	85,000	88,000	92	77	95	80	68 1/2%	28 1/2	4	59 1/2%	15%	65 1/2%	420

Model Number	Capacity		Recovery 50°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 Water Conn. mm.	Approx. Shipping Weight kg.	
	Liters	Nat. kW Input	LP kW Input	Nat. Liters/Hour								LP Liters/Hour
M-I-30T6FBN	114	9.4	9.1	125	121	1502	406	76x102	1264/1432	330	1461	47
M-I-30S6FBN	114	8.8	7.7	117	102	1229	457	76x102	9841	330	1187	45
M-I-30T6FBN	110	11.7	10.3	159	140	1473	406	76x102	1264/1403	330	1435	49
M-I-40T6FBN	151	11.7	10.6	155	140	1508	457	76x102	1270/1438	330	1467	54
M-I-40S6FBN	151	11.7	11.1	155	148	1270	508	76x102	1041/1200	330	1232	58
M-I-40T6FBN	151	14.7	14.1	201	189	1543	457	102	1308/1473	330	1486	58
M-I-50S6FBN	189	11.7	10.6	159	144	1514	508	76x102	1270/1445	330	1473	66
M-I-50L6FBN	182	11.7	11.1	159	151	1264	559	76x102	1029	330	1226	69
M-I-50S6FBN	189	14.7	14.1	201	189	1486	508	102	1270/1416	330	1448	68
M-I-60T6FBN	227	11.7	11.1	163	151	1543	609	76x102	1282	330	1480	75
M-I-75S6BN	284	22.3	22.3	310	310	1619	622	102	1346	406	1518	120
M-I-100T6BN	379	24.9	25.7	348	359	1745	718	102	1507	397	1651	191

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 manufacturers rated recovery efficiency.

Note: M-I-30S, M-I-50L, M-I-60T, M-I-75S and M-I-100T do not have top T&P option.

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

M-I-100T models feature hand hole cleanout.

**All natural gas models meet SCAQMD Requirements.**

**Meets NAECA Requirements**

### 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. The 75 gallon model (284 liters) has 1" (25mm) NPT on 11" (279mm) centers and 100 gallon model (379 liters) has 1 1/4" (32mm) water connections 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.

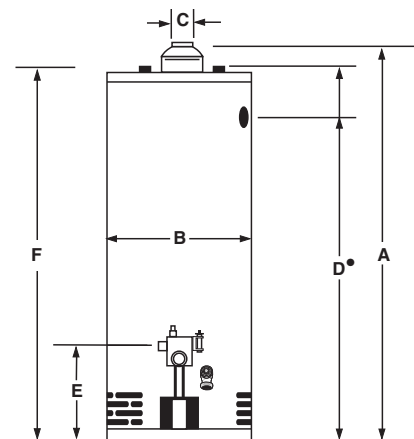
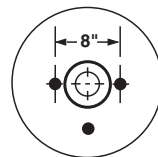
**Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.**

### 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.

Floor to space heating return for M-I-75S6BN 17"/441mm, M-I-100T6BN 17"/448mm

Floor to space heating outlet for M-I-75S6BN 53"/1346mm, M-I-100T6BN 50"/1286mm



\*Optional T&P Location Dimension "D" dimension listed as side/top.



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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