BRADFORD WHITE®
WATER HEATERS

Residential Atmospheric Vent Energy Saver Gas Water Heater

Photo is of
M-I-5036FBN

FEATURING:

ICON System

Hydrojet

DEFENDER Safety System®

The Atmospheric Vent FVIR Defender Safety System® Models Feature:

- **Bradford White ICON System™**—Intelligent gas control with proven millivolt powered technology and built-in piezo igniter. A standard, off the shelf thermopile converts heat energy from the pilot flame into electrical energy to operate the gas valve and microprocessor. No need for external electricity.
  - **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 consistent and accurate 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.
  - **Separate Immersed Thermowell**—High strength advanced polymer composite thermowell provides isolation between electric temperature sensor and surrounding water. No need to drain the tank when removing gas valve.
- **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.
- **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.
- **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.
- **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 (871°C).
- **1" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Pedestal Base**.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings.
- **Factory Installed Heat Traps**.
- **Protective Magnesium Anode Rod**.
- **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.
- **Low Restriction Brass Drain Valve**—Durable tamper proof design.

AHRI

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

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 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; 7,270,087 B2. 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; 2,409,271.
Defender Safety System®, ScreenLok®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Residential Atmospheric Vent Gas Water Heater

Energy Saver Models

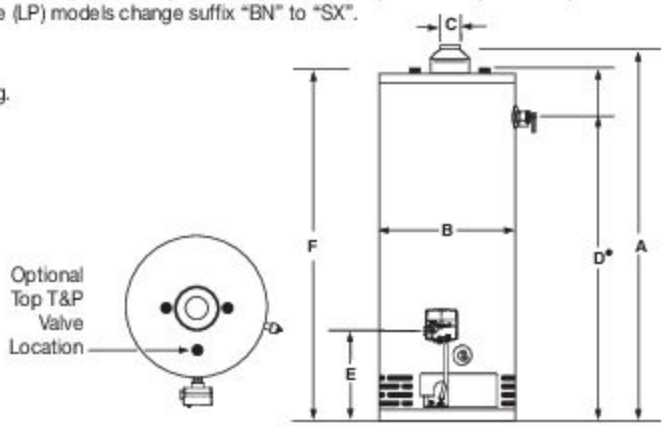
NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
79% Recovery Efficiency

Model Number	Capacity U.S. Gal.	Capacity Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Recovery 90°F Rise* Nat. U.S. GPH	Nat. Imp. GPH	LP U.S. GPH	LP Imp. GPH	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.
M-I-30T6FBN•	30	25	32,000	31,000	33	28	32	27	59¼	16	3x4	49¼/56¼	13	57½	104
M-I-30S6FBN	30	25	30,000	26,000	31	26	27	23	48¾	18	3x4	38¾	13	46¾	100
M-I-303T6FBN•	29	24	40,000	35,000	42	34	37	31	58	16	3x4	49¼/55¼	13	56½	109
M-I-40T6FBN•	40	33	40,000	36,000	42	34	38	32	59¼	18	3x4	50/56¼	13	57¼	120
M-I-403S6FBN•	40	33	40,000	38,000	42	34	40	33	50	20	3x4	41/47¼	13	48½	128
M-I-404T6FBN•	40	33	50,000	48,000	53	44	50	42	60¼	18	4	51½/58	13	58½	127
M-I-5036FBN•	50	42	40,000	36,000	42	34	38	32	59¼	20	3x4	50/57	13	58	145
M-I-50L6FBN	48	40	40,000	38,000	42	34	40	33	49¾	22	3x4	40¾	13	48¾	153
M-I-504S6FBN•	50	42	50,000	48,000	53	44	50	42	58½	20	4	50/55¾	13	57	150
M-I-60T6FBN	60	50	40,000	38,000	42	34	40	33	60¾	22	3x4	50¾	13	58¼	166

Model Number	Capacity Liters	Nat. kW Input	LP kW Input	Recovery 50°C Rise* Nat. Liters/ Hour	LP Liters/ Hour	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.
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-303T6FBN•	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-403S6FBN•	151	11.7	11.1	155	148	1270	508	76x102	1041/1200	330	1232	58
M-I-404T6FBN•	151	14.7	14.1	201	189	1543	457	102	1308/1473	330	1486	58
M-I-5036FBN•	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-504S6FBN•	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

Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "BN" to "SX".
For 10 year models, change suffix from "6" to "10".
*Based on manufacturers rated recovery efficiency.
•Models feature optional top T&P location and must be specified when ordering.
Note: M-I-30S, M-I-50L and M-I-60T do not have top T&P option.



• "D" dimension listed as side/top.

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 ¾" NPT (19mm) on 8" (203mm) centers. All gas connections are ½" (13mm).

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

BRADFORD WHITE
WATER HEATERS

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** / **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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