BRADFORD WHITE®
WATER HEATERS

DEFENDER SAFETY SYSTEM®

Residential Upright Energy Saver Gas Water Heater



Photo is of
M-I-5036FBN

The Atmospheric Vent FVIR Defender Safety System® Models Feature:

- **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.
- **Factory Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank and increases first hour delivery of hot water.
- **Vitraglas® Lining—**Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating that provides a tough interior surface for our hot water tanks.
- **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.
- **1" 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.
- **Factory Installed Heat Traps—**Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **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.
- **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—**Included.
- **Brass Drain Valve**.
- **Design Certified by CSA International (formerly AGA and CGA)**.

EFFICIENCY RATING CERTIFIED Gama

6 or 10-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.

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.
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Residential Atmospheric Vent Gas Water Heater

DEFENDER SAFETY SYSTEM®

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 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	59⅛	16	3x4	49¾ /56⅜	13	57½	104
M-I-30S6FBN**	30	25	30,000	26,000	31	26	27	23	48⅜	18	3x4	38¾	13	46¾	100
M-I-303T6FBN**•	29	24	40,000	35,000	42	34	37	31	58	16	3x4	49¾ /55¼	13	56½	109
M-I-40T6FBN**•	40	33	40,000	36,000	42	34	38	32	59⅜	18	3x4	50/56⅜	13	57¾	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	60¾	18	4	51½/58	13	58½	127
M-I-5036FBN•	50	42	40,000	36,000	42	34	38	32	59⅜	20	3x4	50/57	13	58	145
M-I-50L6FBN	48	40	40,000	38,000	42	34	40	33	49¾	22	3x4	40½	13	48¼	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	50½	13	58¼	166
M-I-75S6BN	75	63	76,000	76,000	82	69	82	69	63¾	24½	4	53	16	61¼	264
M-I-100T6BN	100	83	85,000	88,000	92	77	95	80	68 11/16	28¼	4	59⅝	15⅝	65 11/16	420

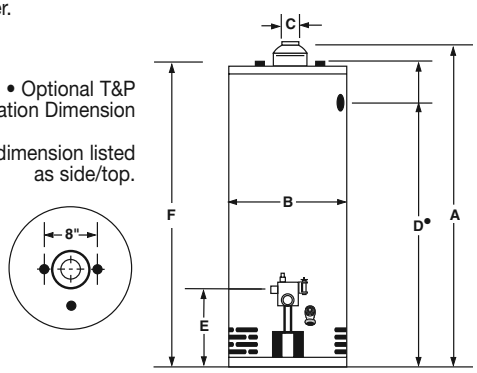
M-I-75S6BN

Model Number	Capacity Liters	Nat. kW Input	LP kW Input	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
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

For Propane (LP) models change suffix "BN" to "SX"** or "CX". CX models feature a Cast Iron Burner.
**Models feature a Titanium Stainless Steel propane burner.
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.

• Optional T&P Location Dimension

"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/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.

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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