



Light Duty Through-The-Wall Commercial Gas Water Heaters

Features:



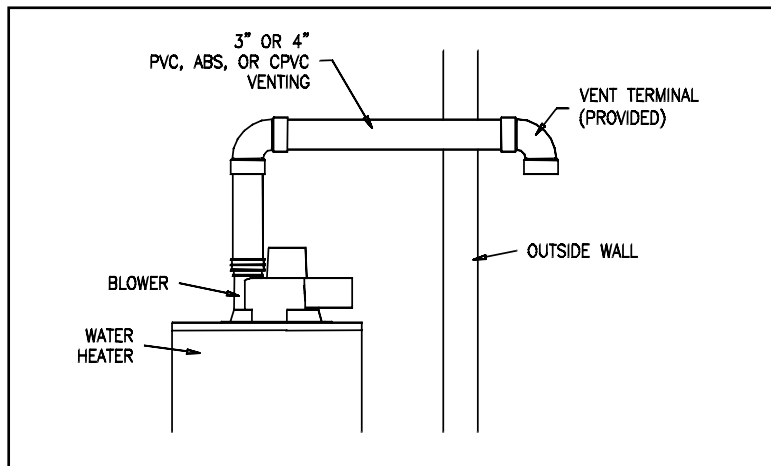
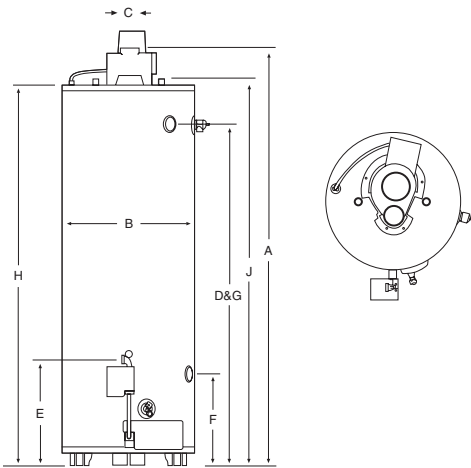
Bradford White is ISO registered to the 9001 standard.

- **Power vented for positive exhaust during main burner operation**—a specially designed assembly blows exhaust gases directly out of the building, eliminating the need for conventional chimneys or expensive flue systems.
- **Electronic Ignition System**—pilot does not burn while water heater is in standby mode. (115V AC required to heater)
- **3" PVC, ABS & CPVC (76mm) vent**—the water heater can be vented horizontally or vertically with 3" (76 mm) PVC, ABS & CPVC for lengths up to 30 feet (9 m) with (3) 90° elbows. (45 equivalent feet) (13 m).
- **4" PVC, ABS & CPVC (102mm) vent**—the water heater can be vented horizontally or vertically with 4" (102mm) PVC, ABS & CPVC for lengths up to 60 feet (18m) with (3) 90° elbows. (75 equivalent feet) (23m).
- **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.
- **Side connections**—for space heating.
- **Protective magnesium rod**—provides added protection against corrosion for long trouble-free service.
- **Factory installed Hydrojet® Total Performance System**—cold inlet sediment reducing device. Helps prevent sediment build up in tank. Increases the efficiency and delivery of hot water while minimizing temperature build up at top of tank.
- **Factory installed dielectric waterway fittings**—all heaters equipped with special water heater nipples for longer life.
- **2" Non-CFC foam insulation (TW3-65S-65 has 1" Non-CFC foam insulation)**—covers the sides and top of tank to save energy by retarding loss of heat. Also increases jacket rigidity.
- **Fully automatic controls**—fast acting surface-mount thermostat for automatic temperature control. Built-in energy cut-off switch prevents abnormally high water temperature for extra safety. Combination gas valve/electronic module has built-in gas pressure regulation and electronic circuit controls and operates off 24 volts.
- **NSF construction available.**
- **T&P relief valve installed.**
- **Brass drain valve.**
- **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.
- **Three year limited warranty on steel tank**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **One year limited warranty on parts.**
- **Design certified by CSA International (formerly AGA and CGA).**

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; 6,684,821; 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.



Light Duty Through-The-Wall Commercial Gas Water Heater



Light Duty Models

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

| NATURAL GAS Model Number | Imp. Gal. Cap. | U.S. Gal. Cap. | Liters | BTU Input | KW BTU | Recovery 56°C Rise/ 100°F Rise** | | | A Floor to Flue Conn. in. mm | B Jacket Dia. in. mm | C Vent Size in. mm | D Floor to T&P Conn. in. mm | E Floor to Gas Conn. in. mm | F Fl. to Space Heating Return in. mm | G Fl. to Space Heating Outlet in. mm | H Fl. to Heater Top in. mm | J Fl. to Water Conn. in. mm | Approx. Shipping Weight lbs. kg |
|-----------------------------|----------------|----------------|--------|-----------|--------|--|----------|-----------|--|-------------------------------|-----------------------------|---|---|---|---|--|---|--|
| | | | | | | Imp. GPH | U.S. GPH | Liters/Hr | | | | | | | | | | |
| TW3-50S-65B-3N(LP) | 40 | 48 | 182 | 65,000 | 19.1 | 52 | 63 | 238 | 63¼ 1607 | 22 559 | 3 76 | 51 1295 | 16½ 419 | 14¼ 368 | 51 1295 | 57¼ 1454 | 58 1473 | 188 85 |
| TW3-65S-65B-3N(LP) | 54 | 65 | 246 | 65,000 | 19.1 | 52 | 63 | 238 | 66¼ 1695 | 22 559 | 3 76 | 54½ 1384 | 16½ 419 | 14¼ 368 | 54½ 1384 | 60¼ 1543 | 61½ 1562 | 222 101 |
| TW3-75S-75B-3N | 62 | 75 | 284 | 76,000 | 22.3 | 61 | 74 | 276 | 66 1676 | 26 660 | 3 76 | 53 1346 | 18¼ 476 | 17¼ 451 | 53 1346 | 60 1524 | 60¼ 1543 | 277 126 |

For LP Gas models, change suffix "B" to "X".

**Based on manufacturers rated recovery efficiency.

110 V.A.C. Required for Power Venting

110 V.A.C. 60HRZ 2.1 Amperes

Water Connections are ¾" (19mm) on 11" centers

MAXIMUM HORIZONTAL AND VERTICAL VENT

3" PVC, ABS & CPVC (76mm) 4" PVC, ABS & CPVC (102mm)
30 ft. (9 m) 60 ft. (18 m)
(3) 90° elbows

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.

These models meet or exceed the Thermal Efficiency and Standby Loss Requirements of ASHRAE Standard 90.1b (current standard).

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 11" (279mm) centers, all gas connections ½" (13mm). All models design certified by CSA International (formerly AGA/CGA) and peak performance rated.

As an Automatic Storage Heater, all models are complete self-contained water heating systems. It needs no separate storage tank, pump, wiring or elaborate piping network. These models can be used either as a single unit or in multiples connected in parallel.

Sample Specification

The water heater shall be a Bradford White model with a rated storage capacity of not less than _____ gallons (liters), a minimum gas input of _____ BTUH (KWH), and a minimum recovery of _____ GPH (LPH) at 100°F (56°C) temperature rise. It shall be design certified by CSA International (formerly AGA/CGA). The tank shall be lined with Vitraglas® vitreous enamel. The tank shall have one extruded magnesium anode rod. The heater shall be insulated with Non-CFC foam insulation. This water heater shall be equipped with an ASME rated T&P relief valve, a factory installed blower assembly and electronic ignition system (110V AC required). The entire installation shall be in compliance with state and local codes and ordinances

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

Hydrojet® and Vitraglas® are registered trademarks of Bradford White® Corporation.
©2004, Bradford White Corporation. All rights reserved.

| (LP) Propane Gas Inputs | | Recovery at 56°C Rise and 100°F Rise | | |
|-------------------------|-----------------------|--------------------------------------|--------|-----------|
| | | Imp GPH | US GPH | Liters/Hr |
| TW3-50S-65-3X | 18.5 KW 63,000 BTU/Hr | 58 | 68 | 257 |
| TW3-65S-65-3X | 18.5 KW 63,000 BTU/Hr | 58 | 68 | 257 |


BRADFORD WHITE®
CORPORATION
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


BRADFORD WHITE-CANADA™ INC.
Mississauga, ON

Sales/866-690-0961
905-238-0100

Fax/905-238-0105

Technical Support/800-334-3393

www.bradfordwhitecanada.com