



Residential Energy Saver Gas Power Direct Vent Water Heater

Features:

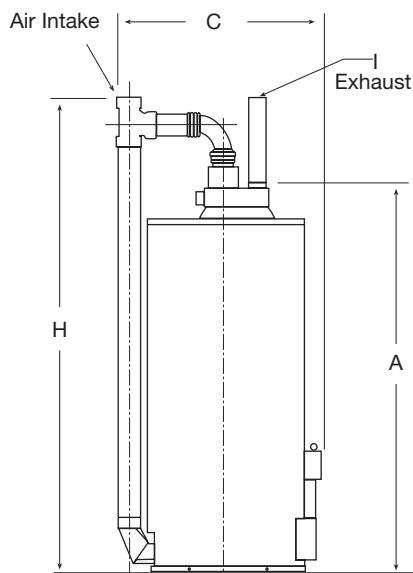


Bradford White is ISO registered to the 9001 standard.

- **Venting System**—Power Vent Direct Vent **closed combustion** unit utilizes external air for combustion and exhausts directly to the outside through a separate two-pipe system. **The total equivalent feet of intake must be within 20 feet (6.1m) of the total equivalent feet of exhaust for unbalanced venting.**
- **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 25 feet (7.6 m) with (3) 90° elbows. (40 equivalent feet) (12.1 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).
- **Hot surface to pilot ignition**—Hot surface ignition eliminates the constant burning pilot used on other water heaters. This device results in savings of pilot gas during standby periods. (115V AC required to heater) Ignition system operates off of 24 volts.
- **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.
- **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 first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Heat Traps**—factory installed, minimizes heat loss through piping.
- **Water Connections**— $\frac{3}{4}$ " NPT factory installed true dielectric fittings. Extends water heater life and eases installation.
- **2" Non-CFC foam insulation (65 gallon model has 1" Non-CFC foam)**—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. Ignition system operates off of 24 volts.
- **Brass drain valve.**
- **T&P relief valve included.**
- **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.
- **Six or ten year limited warranty on steel tank**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **Six 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.





Power Direct Vent

Energy Saver Models

Meet or exceed ASHRAE 90.1b (Current Standard). CEC Listed. 80% Recovery Efficiency.

| NATURAL GAS | | | | | | Recovery per hour 50°C Rise/ 90°F Rise* | | A Height to Exhaust Outlet | B | C | D | E | F | G | H | I | J | Approx. Shipping Weight lbs. kg | | | | | | | | | |
|----------------------------|----------------------|----------------------|---------------|-------------|----------------------|---|---------------|-------------------------------------|--------|--------------------------------------|---------------------------------------|---|---|-------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--|---------|---------|--------|------|---|--------|------|-----|-----|
| Model Number | Imp. Gal. Cap. | U.S. Gal. Cap. | BTU Liters | KW Input | Imp. Gal. Rise | U.S. Gal. Rise | Liters/ Hr | In. mm | In. mm | Gas Valve to Air Intake In. mm | Height to Water Conn. In. mm | Floor to Space Heating Supply In. mm | Floor to Space Heating Return In. mm | Height to Gas Conn. In. mm | Height to Air Intake In. mm | Exhaust/Air Intake Dia. In. | Height to T&P Conn. In. mm | | | | | | | | | | |
| PDX2-50T6BN | 40 | 48 | 182 | 60,000 | 17.6 | 54 | 65 | 246 | 65 | 1651 | 22 | 559 | 30 1/2 | 775 | 59 1/4 | 1505 | 52 1/4 | 1327 | 15% 400 | 17% 451 | 79 | 2007 | 3 | 52 1/4 | 1327 | 212 | 96 |
| PDX2-65T6BN ^(L) | 54 | 65 | 246 | 65,000 | 19.1 | 58 | 70 | 265 | 68 1/4 | 1730 | 22 | 559 | 31 1/2 | 800 | 62 1/4 | 1588 | 56 | 1422 | 15% 400 | 17% 451 | 81 1/4 | 2080 | 3 | 56 | 1422 | 246 | 112 |
| PDX2-75T6BN | 62 | 75 | 284 | 70,000 | 21.0 | 62 | 75 | 284 | 67 1/4 | 1718 | 26 | 660 | 34 1/4 | 876 | 61 1/4 | 1572 | 54 1/4 | 1378 | 19 483 | 20% 514 | 81 1/4 | 2080 | 3 | 54 1/4 | 1378 | 301 | 137 |

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.

110 V.A.C. Required for Power Venting (60HZ, 2.1 Amps)

MAXIMUM HORIZONTAL OR VERTICAL VENTING DISTANCES

3" PVC, ABS & CPVC (76mm)† 4" PVC ABS & CPVC (102mm)†
25 ft. (7.6 m) 60 ft. (18 m)
(3) 90° elbows

The vent distances displayed above are for each intake and exhaust section of the total venting system. For further details refer to installation instructions.

† Note: For high altitude installation, consult installation instructions

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 11" (279mm) centers, all gas connections 1/2" (13mm). All models design certified by CSA International (formerly AGA/CGA) and peak performance rated.

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

6-Year Limited Warranty on Component Parts

BRADFORD WHITE CORPORATION has a 6-year warranty on replaceable parts – gas valve, thermostat, burner, dip tube, drain valve and blower assembly. These quality components are manufactured for us by industry leaders and will be replaced in the event of failure during the parts warranty period (exclusive of shipping and re-installation cost.)§

6 or 10-Year Limited Tank Warranties

BRADFORD WHITE CORPORATION LIMITED WARRANTY: Protects your investment in a quality glass-lined heater. If the tank leaks for reasons of faulty materials, workmanship, or corrosion within the warranty period, the heater will be replaced with a comparable heater of our manufacture (exclusive of shipping and re-installation cost.)§

§ Some states do not allow limitations on warranties. For product installed in the USA, Canada and Puerto Rico. See complete copy of the warranty included with the heater.

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^(L) Propane Gas Inputs

PDX2-65T6CX 17.6KW 60,000 BTU

Recovery per hour at 50°C Rise and 90°F Rise
Imp Gal. US Gal. Liters/Hr
54 65 246

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®
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/Technical Support
866-690-0961
905-238-0100

Fax/905-238-0105

www.bradfordwhitecanada.com

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For Everything Hot Water™