



Commercial Gas Light Duty High Input Direct Vent Water Heater

Features:

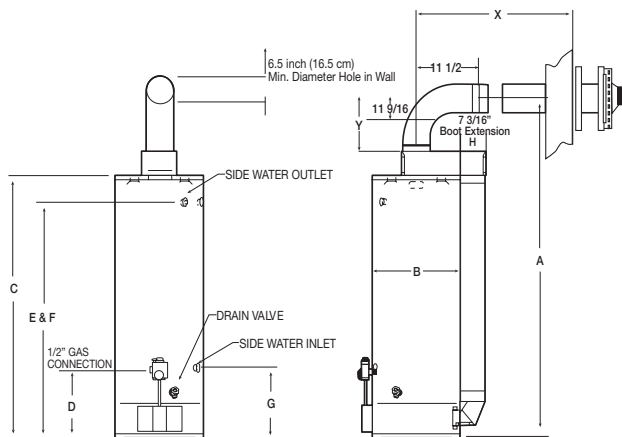


Bradford White is ISO registered to the 9001 standard.

- **1" Non-CFC foam insulation**—surrounds the tank surface, saving energy by retarding loss of heat.
- **Closed combustion**—all air for combustion is taken directly from the outside. The co-axial vent pipe (pipe inside a pipe) draws combustion air in through the outer pipe (6"), and exhausts the products of combustion through the inner pipe (4").
- **Co-axial**—rotational venting at top of unit.
- **No electrical power necessary.**
- **Piezo igniter**—for ease of lighting the pilot.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings. Extends water heater life and eases installation.
- **Vitraglas® lined tank**—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.
- **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.
- **Protective magnesium anode rod**—provides added protection against corrosion for long trouble-free service.
- **Brass drain valve.**
- **T&P relief valve**—factory installed.
- **Side Tappings**—for space heating purposes.
- **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. Fast-acting thermostat starts heat recovery cycle sooner.
- **NSF construction available.**
- **Optional vent kits**—allow for up to 8 foot max vertical and 8 foot max horizontal (2.4 meters). All DH models must be terminated horizontally.
- **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: 7,063,133 B2; 5,954,492; 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; 2,092,105.5.





Horizontal Installation Only

The standard vent kit (239-42979-00) is ordered and shipped separately. The components are as follows: 4" vent tube*, 6" Air Intake Tube, Vent Terminal, Inner Wall Term Mounting Flange, Outer Wall Term. Mounting Flange, Vent Terminal Hardware, RTV Silicone Sealant, 4" Vent Elbow and a 6" Air Intake Elbow.

		Horizontal "X"				
		16 1/4 17 3/16	18 20 11/16	25 1/4 35 3/16	37 3/4 57 7/8	61 5/16 107 5/16
Vertical "Y"	11 9/16	order	order	no add'l	order	order
		kit F	kit G	kit req'd	kit H	kit I
	16 5/16 17 1/4	*order	order	order	order	order
		kit F (2)	kit G & F	kit F	kit H & F	kit F & I
	18 1/16 20 3/4	order	order	order	order	order
		kit F & G	kit G (2)	kit G	kit G & H	kit G & I
	25 5/16 35 1/4	order	order	order	order	order
		kit F	kit G	kit H	kit H (2)	kit I
	38 1/16 57 15/16	order	order	order	order	order
		kit H & F	kit H & G	kit H (2)	kit H (3)	kit H & I
61 3/8 107 3/8	order	order	order	order	order	
	kit I & F	kit I & G	kit I	kit I & H	kit I (2)	

* (2) = Order two of the kits referenced.

* (3) = Order three of the kits referenced.

The bold text above show what kit(s) are needed in addition to the standard vent and air intake tubes. If the standard vent and air intake tubes are not used in the venting system (those that do not have bold text) they can be discarded or saved.

For vent distances not found in the selection chart above, please contact the Product Management Department for sizing recommendations.

Optional Kits:

Part Number	Description
243-42516-00	Kit F – Telescopes from 4 3/4" to 5 1/4"
243-42517-00	Kit G – Telescopes from 6 1/2" to 9 3/8"
243-42514-00	Kit H – Telescopes from 13 3/4" to 23 1/2"
243-42512-00	Kit I – Telescopes from 49 1/8" to 95 1/8"

For more details on the vent kits above, please reference the supplemental venting instructions.

Energy Saver Direct Vent Models

CEC listed.

78% Recovery Efficiency for all models.

NATURAL GAS						A			B		C		D		E		F		G						
Model Number	Imp. Gal. Cap.	US Gal. Cap.	Liters	Input BTU	KW	GPH Rec. 56°C/100°F. Rise			Ht. to Center Line of Vent in.	mm	Jacket Dia. in.	mm	Ht. to Top of Heater in.	mm	Ht. to Gas Conn. in.	mm	Ht. to T&P Conn. in.	mm	Space Htg. Outlet in.	mm	Space Htg. Inlet in.	mm	Vent Dia. in.	mm	Approx. Shipping Weight Lbs. kg
						Imp. Gal.	US GPH	LPH																	
DH-50T-50B-3N	40	48	182	50,000	14.7	39	47	178	75½	1411	20	508	58¾	1492	15¾	387	52¼	1327	52¼	1327	15¾	400	4/6	102/152	197/89.4
DH-65T-55B-3N	54	65	246	55,000	16.1	43	51	193	78¾	1988	22	559	62	1575	15¾	387	56	1422	56	1422	15¾	400	4/6	102/152	243/110
DH-75T-60B-3N	62	75	284	60,000	17.6	47	56	212	75½	1918	24½	622	59	1499	15¾	387	52	1321	52	1320	16½	419	4/6	102/152	281/127

All propane gas heaters are equipped with Cast Iron Burner. Change suffix "BN" to "CX".

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.

General

All gas water heaters are certified at 300 PSI (2068 kPa) test pressure and 150 PSI (1034 kPa) working pressure. All water connections are 3/4" (19mm) NPT on 8" (703mm) centers on top of unit, all gas connections 1/2" (13mm). All models design certified by CSA International (formerly AGA and CGA). Recovery based on rated efficiency.

Meets NAECA requirements. All natural gas models meet SCAQMD requirements.

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

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 and 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. The entire installation shall be in compliance with state and local codes and ordinances.

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(LP) Propane Gas Inputs

Recovery at

50°C Rise and 100°F Rise

		Imp. GPH	U.S. GPH	Liters/Hr.
DH-50T-50-3CX	48,000 BTU/H	14.1	38	45
DH-75T-60-3CX	57,000 BTU/H	16.7	44	53

BRADFORD WHITE
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For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

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