

Light Duty Commercial High Input Direct Vent Energy Saver Gas Water Heater



Photo is of
DH-65T-55FB-3N

The LD High Input Direct Vent FVIR Defender Safety System® Models Feature:

- **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"). The co-axial vent pipe at the top of the unit can be rotated for venting flexibility.
- **Reinforced Seals**—Seals surround the closed combustion chamber and the FVIR inner door, preventing the ignition of flammable vapors outside of the water heater.
- **Piezo Igniter**—Easy and quick lighting of the pilot burner by push button.
- **Pedestal Base**—Rugged and durable base allows easy transport, positioning and corrosion resistant contact with floor.
- **Maintenance Free**—The co-axial vent piping and the closed combustion chamber with reinforced seals do not require regular cleaning under normal operating conditions.
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **No Electrical Power Necessary.**
- **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 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.
- **Fully Automatic Controls**—Adjustable thermostat up to 180°F. An auto-reset Energy Cut-Off (ECO) shuts off the gas in the event of an overheat condition. Not recommended for 180°F sanitizing.
- **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.
- **Side Connections**—3/4" NPT tapings allow easy connections for space heating applications (Potable water only).
- **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.
- **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).**



3 or 5 Year Limited Tank Warranty / 1-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®, Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Commercial Direct Vent Gas Water Heater



Light Duty High Input Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
78% Recovery Efficiency

Model Number	Capacity		Recovery at 100°F Rise*				A Floor to Center Line of Vent 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 Top of Heater in.	G Floor to Space Heating Outlet in.	H Floor to Water Conn. in.	J Floor to Space Heating Inlet in.	K Depth in.	Approx. Shipping Weight lbs.		
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. Imp. GPH	LP U.S. Imp. GPH													
DH-50T-50FB-3N	48	40	50,000	48,000	47	39	45	38	75 ¹ / ₄	20	4-6	52 ¹ / ₄	15 ¹ / ₄	58 ³ / ₄	52 ¹ / ₄	59 ³ / ₄	15 ³ / ₄	30 ¹ / ₄	197
DH-65T-55FB-3N	65	54	55,000	55,000	51	43	51	43	78 ¹ / ₄	22	4-6	56	15 ¹ / ₄	62	56	63	15 ³ / ₄	34	243
DH-75T-60FB-3N	75	62	60,000	57,000	56	47	53	44	75 ¹ / ₂	24 ¹ / ₂	4-6	52	15 ¹ / ₄	59	52	60	16 ¹ / ₂	35	281

Model Number	Capacity		Recovery at 56°C Rise*				A Floor to Center Line of Vent 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 Top of Heater mm.	G Floor to Space Heating Outlet mm.	H Floor to Water Conn. mm.	J Floor to Space Heating Inlet mm.	K Depth mm.	Approx. Shipping Weight kg.
	Liters		Nat. kW Input	LP kW Input	Nat. Liters/Hour	LP Liters/Hour											
DH-50T-50FB-3N	182		14.7	14.1	178	170	1411	508	102-152	1327	387	1492	1327	1518	400	768	89
DH-65T-55FB-3N	246		16.1	16.1	193	193	1988	559	102-152	1422	387	1575	1422	1600	400	864	110
DH-75T-60FB-3N	284		17.6	16.7	212	200	1918	622	102-152	1321	387	1499	1320	1524	419	889	127

All Propane models feature a Titanium Stainless Steel propane burner. For Propane (LP) models change suffix "B" to "S" and "N" to "X".
For 5 year models change suffix from "3" to "5".

*Based on manufacturers rated recovery efficiency.

The Standard Vent Kit (239-42979-00) is ordered and shipped separately. Vent Kit components are: 4" Vent tube and elbow, 6" Air Intake tube and elbow, Vent terminal and hardware, Inner and Outer wall terminal mounting flange, RTV silicone sealant.

Optional Circulating Loop Installation Kit (p/n 243-43103-00) - not included with water heater.

		Length "X"				
		16 ¹ / ₄ " to 17 ³ / ₄ "	18" to 21 ¹ / ₂ "	25 ¹ / ₄ " to 35 ¹ / ₂ "	35 ³ / ₄ " to 59 ¹ / ₂ "	59 ³ / ₄ " to 107 ¹ / ₂ "
Height "Y"	11 ⁹ / ₁₆ "	Order Kit F	Order Kit G	No Add'l. Kit Req'd	Order Kit H	Order Kit I
	16 ⁵ / ₁₆ " to 17 ¹³ / ₁₆ "	Order (2) Kit F	Order Kit G & F	Order Kit F	Order Kit H & F	Order Kit F & I
	18 ⁵ / ₈ " to 21 ⁹ / ₁₆ "	Order Kit F & G	Order (2) Kit G	Order Kit G	Order Kit G & H	Order Kit G & I
	25 ⁵ / ₁₆ " to 35 ⁹ / ₁₆ "	Order Kit F	Order Kit G	Order Kit H	Order (2) Kit H	Order Kit I
	35 ³ / ₈ " to 59 ⁹ / ₁₆ "	Order Kit H & F	Order Kit H & G	Order (2) Kit H	Order (3) Kit H	Order Kit H
	59 ³ / ₈ " to 107 ⁹ / ₁₆ "	Order Kit I & F	Order Kit I & G	Order Kit I	Order Kit I & H	Order (2) Kit H

The Vent tube and Air Intake tube shipped in the Standard Vent Kit telescopes from 13³/₄" to 23¹/₁₆".

The kits found in the bold frame are needed in addition to the vent and air intake tube provided with the water heater (utilizes the vent tube provided).

The kits found outside the bold frame do not utilize the vent tube provided with the standard vent kit.

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

Optional vent kit :

- Kit "F"** Telescopes from 4³/₄" to 5¹/₁₆" Part No. 243-42516-00
- Kit "G"** Telescopes from 6¹/₂" to 9³/₁₆" Part No. 243-42517-00
- Kit "H"** Telescopes from 13³/₄" to 23¹/₁₆" Part No. 243-42514-00
- Kit "I"** Telescopes from 49³/₁₆" to 95³/₁₆" Part No. 243-42512-00

Horizontal Vent Termination Only.

Please specify part number when ordering optional vent kit.

For additional information, please reference the installation instructions.

Meets NAECA Requirements

General

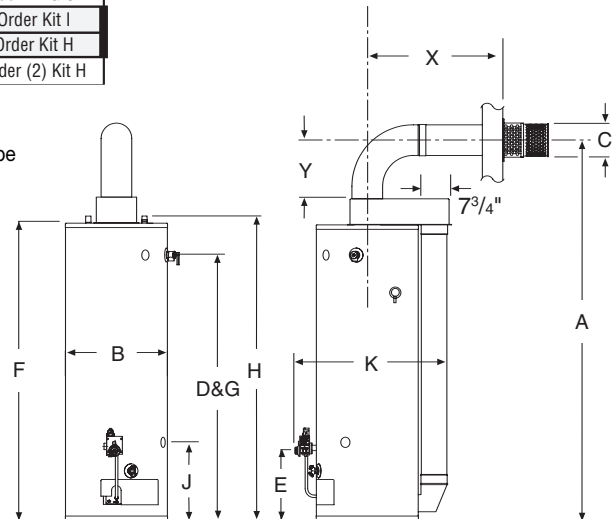
All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All potable water connections are 3/4" NPT (19mm) on 11" (203mm) centers. All gas connections 1/2" (13mm).

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



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

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Built to be the Best™

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