

High Efficiency eF Series® Light Duty Commercial Power Vent Gas Water Heater 90%+ Thermal Efficiency



Photo is of
LC2PV50H763N

FEATURING:



The Light Duty Commercial eF Series® Model features:

- **Vertical, Dual-pass Heat Exchanger System**—Vertical design eliminates corrosion protection challenges of condensing water heaters that utilize less durable heat exchanger designs.
 - Highly efficient, helical-finned 5" primary heat exchanger tube and three, stainless steel baffled, 2" secondary heat exchanger tubes.
- **Self-priming Condensate Tee**—No need for trap installation. Internal condensate trap height appropriate for condensate pump use where necessary.
- **Power Vent**—Powerful yet quiet design for greater resistance to outside winds and greater vent lengths for difficult venting situations through the roof or side wall. 10 ft. power cord included (120 VAC).
- **Horizontal and Vertical Venting**—With 2", 3" or 4" PVC, ABS, CPVC, or PP.
- **Bradford White ICON System™**—Intelligent gas control with spark to pilot ignition system eliminates the constant burning pilot. This results in savings of pilot gas during standby periods (120 Vac).
 - **Enhanced Performance**—Proprietary algorithms provide enhanced hot water delivery and tighter temperature differentials.
 - **Advanced Temperature Control System**—Microprocessor constantly monitors and controls burner operation to maintain consistent and accurate water temperature levels.
 - **Intelligent Diagnostics**—An exclusive green LED light prompts the installer during start-up and provides ten different diagnostic codes to assist in troubleshooting.
- **Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. This increases hot water delivery while minimizing temperature build up at top of tank.
- **Vitrage® Lining**—Bradford White tanks are lined with an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitrage) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
 - Interior and exterior of the three, 2" secondary heat exchanger tubes are protected with Vitrage®.
- **2" Non-CFC Foam Insulation**—Covers the sides, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Pedestal Base.**
- **Water Connections**—3/4" NPT factory installed true dielectric fittings.
- **3/4" NPT Side Connections.**
- **Factory installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Two Protective Anode Rods.**
- **T&P Relief Valve**—Installed.
- **Low Restriction Brass Drain Valve.**

3 or 5-Year Limited Tank Warranties / 3 or 5-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: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. Vitrage® and Hydrojet® are registered trademarks of Bradford White® Corporation.

High Efficiency eF Series® Light Duty Commercial Power Vent Gas Water Heater

High Efficiency Model

NATURAL GAS AND LIQUID PROPANE MODELS

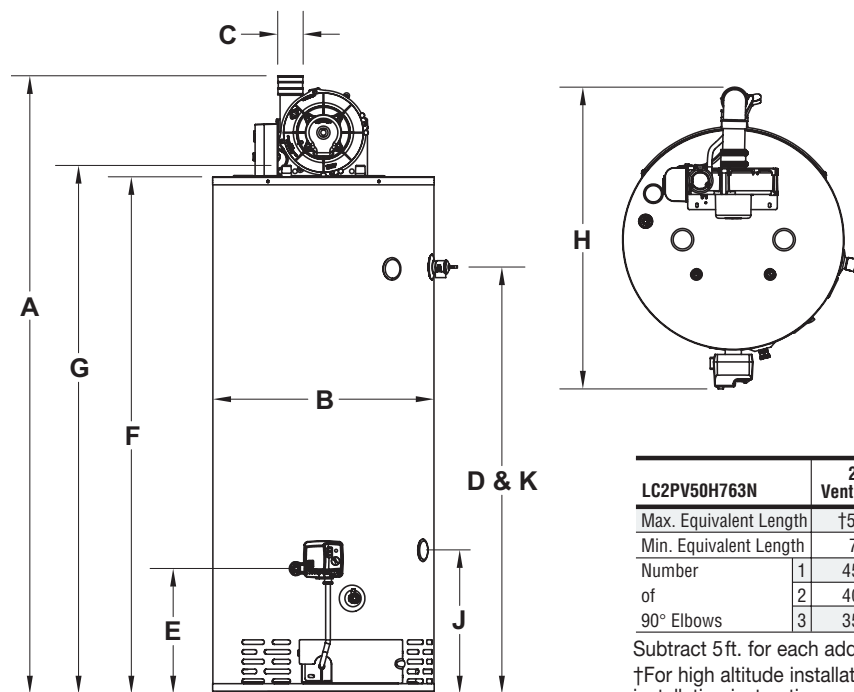
Model Number	Capacity				Recovery at 100°F Rise*				A Floor to Vent Conn	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Top of Heater	G Floor to Water Conn.	H Depth	J Floor to Space Heating Inlet	K Floor to Space Heating Outlet	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	LP BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. U.S. GPH	LP U.S. GPH	LP Imp. GPH	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
LC2PV50H763N	50	42	76,000	76,000	83	69	83	69	67 ¹ / ₄	24	2	46 ¹ / ₂	13 ⁵ / ₈	56 ¹ / ₄	57 ¹ / ₂	27 ³ / ₈	15 ⁵ / ₈	46 ¹ / ₂	225

Model Number	Capacity				Recovery at 56°C Rise*				A Floor to Vent Conn	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Top of Heater	G Floor to Water Conn.	H Depth	J Floor to Space Heating Inlet	K Floor to Space Heating Outlet	Approx. Shipping Weight
	Liters		Nat. kW Input	LP kW Input	Nat. Liters/ Hour	LP Liters/ Hour			mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
LC2PV50H763N	190		22.0	22.0	314	314			1708	610	51	1181	346	1429	1461	695	397	1181	102

Propane models feature a Titanium Stabilized Stainless Steel propane burner.

For propane (LP) models, change suffix "N" to "X".

*Based on 90.5% Thermal Efficiency.



LC2PV50H763N	2" Vent Pipe	3" Vent Pipe	4" Vent Pipe
Max. Equivalent Length	†50 ft.	†120 ft.	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.	15 ft.
Number of 90° Elbows	1 45 ft. 2 40 ft. 3 35 ft.	115 ft. 110 ft. 105 ft.	175 ft. 170 ft. 165 ft.

Subtract 5 ft. for each additional 90° elbow.
†For high altitude installations, consult 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 water connections are 3/4" NPT (19mm) on 8" (203mm) centers, all gas connections are 1/2" (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.



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

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