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

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” (127mm) primary heat exchanger tube and three, stainless steel baffled, 2” (51mm) 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. (3 meter) power cord included (120 VAC).

- **Horizontal and Vertical Venting**—With 2” (51mm), 3” (76mm) or 4” (102mm) 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).
  - **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.
  - **Pilot On Indication**—Flashing green LED provides positive indication that pilot is on.
  - **Separate Immersed Thermowell**—High-strength advanced polymer composite thermowell provides isolation between electric temperature sensor and surrounding water. No need to drain the tank when removing gas valve.

- **Factory-Installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.

- **Vitraglas® Lining**—An exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
  - Interior and exterior of the three, 2” (51mm) secondary heat exchanger tubes are protected with Vitraglas®.

- **Insulation System**—2” (51mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.

- **Pedestal Base**.

- **Water Connections**—3/4” (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line 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 Restrictive Brass Drain Valve**—Durable tamper proof design.

- **NOx Emissions**—Less than 40 ng/J.

*[Photo is of LC2PV50H763N]*

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**For more information on warranty, please visit www.bradfordwhite.com**

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

**High Efficiency Model**

**NATURAL GAS AND LIQUID PROPANE GAS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Gal.</th>
<th>DOE Rated Storage Volume (Gal.)</th>
<th>BTU/hr. Input</th>
<th>LP BTU/hr. Input</th>
<th>First Hour (Gal.)</th>
<th>Uniform Energy Factor</th>
<th>Recovery at 100°F Rise*</th>
<th>Recovery at 50°C Rise*</th>
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<tbody>
<tr>
<td>LC3PV50H763N</td>
<td>50</td>
<td>76,000</td>
<td>120</td>
<td>83</td>
<td>69</td>
<td>0.80</td>
<td>69</td>
<td>34</td>
</tr>
</tbody>
</table>

Propane models feature a Titanium Stabilized Stainless Steel propane burner. For propane (LP) models, change suffix “N” to “X”.

Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

Optional Condensate Neutralizer Kit: p/n A2123601.

General:

Meets EPACT Requirements.

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 Z21.10.3 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.

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**For field service, contact your professional installer or local Bradford White sales representative.**

Sales 800-523-2931  Fax 215-641-1612

Technical Support 800-334-3393  Email techserv@bradfordwhite.com

Warranty 800-531-2111  Email warranty@bradfordwhite.com

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**Built to be the Best**

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