

## Light Duty Commercial Ultra Low NOx Power Direct Vent Gas Water Heater



Photo is of  
**UPDX-65S-55FR-3N**

### FEATURING:



### The Light Duty UPDX Eco-Defender Safety System Models Feature:

- **Ultra Low NOx Burner with Primary and Secondary Air Distribution Devices**—Ensures proper air to gas ratio for reduction of NOx generated by the combustion process.
- **Closed Combustion Venting System**—Power Direct Vent closed combustion system utilizes external air for combustion and exhausts directly to the outside through a separate two-pipe system. The air intake and exhaust vent are 3" connections. The equivalent feet of intake venting cannot be greater than the equivalent feet of exhaust venting.
- **Cast Aluminum Air Intake Boot**—A cast molded air intake boot design provides exceptional durability during installation and operation.
- **Flammable Vapor Sensor**—Electronic sensor prevents water heater operation if flammable vapors are detected.
- **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.
- **Electronic Gas Control**—The integrated, immersion gas control offers more precise temperature control for higher first hour delivery and also allows water temperature adjustment without removing the cover. The control is equipped with an LED display to aid in start-up and diagnostics.
- **More Precise Temperature Control**—With an adjustable temperature up to 180°F. (Not recommended for 180°F sanitization.)
- **Spark to Pilot Ignition System**—Eliminates the constant burning pilot used on other water heaters.
- **Powerful Blower Motor**—Our design has higher torque for greater resistance to outside winds and the power to eliminate problems with difficult venting situations. This significantly quieter motor runs cooler for a considerably longer operational life.
- **Optional Concentric Vent Kit Termination**—3" termination fitting provides for only one exit opening through a wall or roof. (Subtract 10ft. for intake pipe and 10ft. for exhaust pipe when calculating total vent length.)
- **Horizontal and Vertical Venting**—With 3" or 4" PVC, ABS, or CPVC (Maximum equivalent vent length for each pipe on reverse side).
- **Side Connections**—3/4" NPT tapings allow easy connections for space heating applications (Potable water only).
- **2" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **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.
- **Stainless Steel 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).**
- **Complies with the latest ultra-low NOx requirement (10 ng/J NOx limit).**

### 3 or 5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

# Commercial Power Direct Vent Gas Water Heater

## Light Duty Energy Saver Models

NATURAL GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed  
79% Recovery Efficiency

Model Number	Capacity		Recovery at 100°F Rise*		A Floor to Exhaust Outlet	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Space Heating Return	G Floor to Space Heating Supply	H Floor to Air Intake	J Floor to Water Conn.	K Depth	L Ct. Line Distance From Intake to Exhaust	Approx. Shipping Weight	
	U.S. Gal.	Imp. Gal.	Nat. BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. GPH	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.	
U-PDX-50S-50FR-3N	48	40	50,000	48	40	68	22	3	52 <sup>1</sup> / <sub>4</sub>	13 <sup>5</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>4</sub>	52 <sup>1</sup> / <sub>4</sub>	67	59 <sup>3</sup> / <sub>4</sub>	32	9 <sup>1</sup> / <sub>4</sub>	303
U-PDX-65S-55FR-3N	65	54	55,000	53	44	71 <sup>1</sup> / <sub>4</sub>	24	3	55 <sup>5</sup> / <sub>8</sub>	13 <sup>5</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>4</sub>	55 <sup>5</sup> / <sub>8</sub>	69 <sup>1</sup> / <sub>2</sub>	63	34 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>4</sub>	330
U-PDX-75S-55FR-3N	75	62	55,000	53	44	71	26	3	54 <sup>1</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>4</sub>	19	54 <sup>1</sup> / <sub>4</sub>	69 <sup>3</sup> / <sub>8</sub>	62 <sup>3</sup> / <sub>4</sub>	36	11 <sup>11</sup> / <sub>16</sub>	375

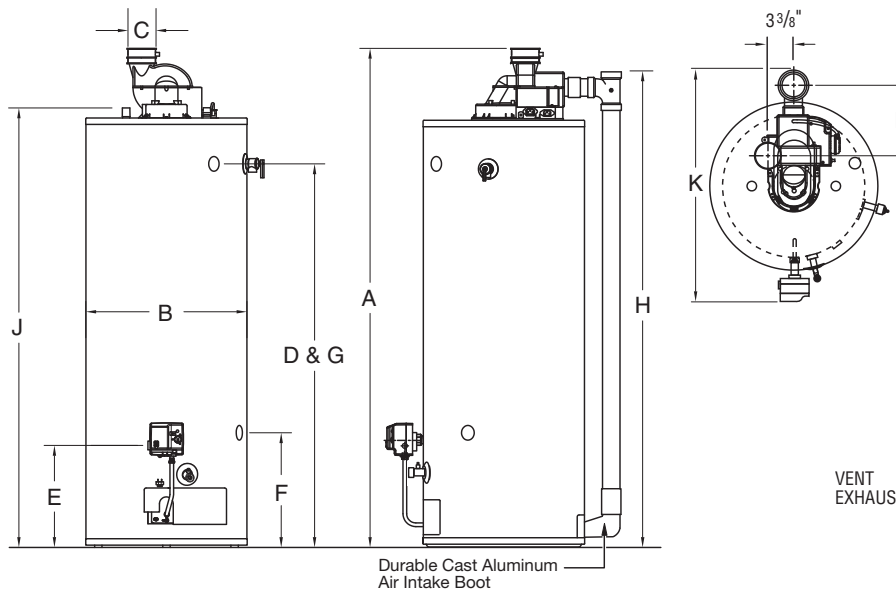
Model Number	Capacity		Recovery at 56°C Rise*		A Floor to Exhaust Outlet	B Jacket Dia.	C Vent Size	D Floor to T&P Conn.	E Floor to Gas Conn.	F Floor to Space Heating Return	G Floor to Space Heating Supply	H Floor to Air Intake	J Floor to Water Conn.	K Depth	L Ct. Line Distance From Intake to Exhaust	Approx. Shipping Weight
	Liters	Nat. kW Input	Nat. Liters/Hour	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
U-PDX-50S-50FR-3N	182	14.7	182	1727	559	76	1327	346	400	1327	1701	1517	812	235	137	
U-PDX-65S-55FR-3N	246	16.2	201	1809	610	76	1489	346	400	1489	1765	1600	867	235	149	
U-PDX-75S-55FR-3N	284	16.2	201	1803	660	76	1378	413	483	1378	1762	1594	914	297	170	

Available in Natural Gas only.

For 5 year model, change suffix "3" to "5".

\*Based on manufacturers rated recovery efficiency.

110 V.A.C Required for Power Venting / 110 V.A.C., 60HZ, 3.1 Amperes.

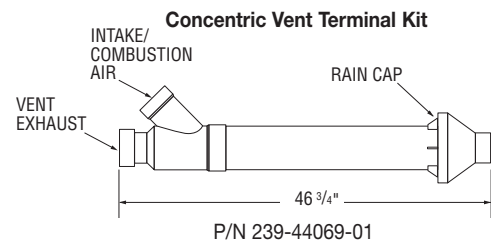


3" Vent Pipe	PDX-50S PDX-65S	PDX-75S
Max. Intake Length	60 ft.	50ft.
Max. Exhaust Length	60 ft.	50ft.
Min. Vent Length	7 ft.	7ft.
Number of 90° Elbows†	1 55 ft. 2 50 ft. 3 45 ft.	45ft. 40ft. 35ft.

4" Vent Pipe	PDX-50S PDX-65S	PDX-75S
Max. Intake Length	100 ft.	90ft.
Max. Exhaust Length	100 ft.	90ft.
Min. Vent Length	7 ft.	7ft.
Number of 90° Elbows†	1 95 ft. 2 90 ft. 3 85 ft.	85ft. 80ft. 75ft.

Subtract 5ft. for each additional 90° elbow.

†Consult I&O Manual when using four or more elbows.



### 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" (203mm) centers. All gas connections are 1/2" (13mm).

All models design certified by CSA International (formerly AGA/CGA), to meet ANSI standard 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

**BRADFORD WHITE-CANADA** INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

## Built to be the Best™

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