

Light Duty Commercial Power Vent Gas Water Heater



Photo is of
LG2PV50H653N

FEATURING:



The TTW® Models Feature:

- **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 V.A.C.).
 - **Enhanced Performance**—Proprietary algorithms provide enhanced First Hour Delivery ratings 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.
- **Power Vented Water Heater**—Designed for installations where atmospheric units cannot be used. Exhaust gases are vented under positive pressure directly out of the building through the roof or the wall.
- **Powerful Blower Motor**—Our significantly quiet design has greater resistance to outside winds and the power to vent in many difficult venting situations.
 - Ten Foot Power Cord—Included (120 VAC).
- **Horizontal and Vertical Venting**—PVC, ABS or CPVC (Maximum equivalent vent length on reverse side).
- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater (excluding LG1PV55H783N & LG2PV75H763N).
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected. The sensor will also prevent operation if there is ongoing flammable vapor burn inside the combustion chamber (excluding LG1PV55H783N & LG2PV75H763N).
- **Maintenance-Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions (excluding LG1PV55H783N & LG2PV75H763N).
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Factory-installed Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour delivery 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 (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Insulation System**—Non-CFC foam covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **3/4" (19mm) 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.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **T&P Relief Valve**—Installed.
- **Thermostatic Mixing Valve (ASSE Approved)**—Included (LG1PV55H763N only).
- **Low Restriction Brass Drain Valve**—Durable tamper-proof design.

3 or 5-Year Limited Tank Warranties / 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.

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TTW® Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
80% Recovery Efficiency

Model Number	Capacity		Nat. BTU/Hr. Input		LP BTU/Hr. Input		1st Hour Rating (Gal.)		Energy Factor		Recovery at 100°F Rise*				Model Number	Capacity	Nat. kW Input		LP kW Input		1st Hour Rating (Liters)		Energy Factor		Recovery at 56°C Rise*		Nat. Liters/Hour	LP Liters/Hour
	U.S. Gal.	Imp. Gal.									Nat. U.S. GPH	Nat. Imp. GPH	LP U.S. GPH	LP Imp. GPH		Liters												
LG2PV50H653N	48	42	65,000	58,000	112	0.70	63	52	56	47					LG2PV50H653N	182	19.1	17.0	424	0.70	238		212					
LG1PV55H783N	55	46	78,000	78,000	N/A	N/A	76	63	76	63					LG1PV55H783N	208	22.9	22.9	N/A	N/A	288		288					
LG2PV75H763N	75	62	76,000	75,500	N/A	N/A	74	62	73	61					LG2PV75H763N	284	22.3	22.1	N/A	N/A	280		276					

Model Number	A Floor to Vent Conn. 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.	H C/L of Water Conn. in.	J Floor to Water Conn. in.	K Depth in.	L Floor to Space Heating Inlet in.	M Floor to Space Heating Outlet in.	Approx. Shipping Weight lbs.
LG2PV50H653N	66 ¹ / ₈	22	3 or 4	50 ¹ / ₈	11 ³ / ₄	56 ³ / ₈	11	57 ³ / ₄	26 ³ / ₄	13 ¹ / ₂	50 ¹ / ₈	186
LG1PV55H783N	64 ³ / ₁₆	22	3 or 4	47 ¹⁵ / ₁₆	11 ¹ / ₂	54 ⁵ / ₈	8	56	26 ¹ / ₂	13 ³ / ₈	47 ¹⁵ / ₁₆	253
LG2PV75H763N	69 ⁷ / ₁₆	26	3 or 4	51 ¹ / ₂	13 ¹ / ₂	59 ¹ / ₂	11	60 ³ / ₄	30 ¹ / ₄	13 ³ / ₈	51 ¹ / ₂	252

Model Number	A Floor to Vent Conn. 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.	H C/L of Water Conn. mm.	J Floor to Water Conn. mm.	K Depth mm.	L Floor to Space Heating Inlet mm.	M Floor to Space Heating Outlet mm.	Approx. Shipping Weight kg.
LG2PV50H653N	1680	559	76 or 102	1273	298	1432	279	1467	679	343	1273	84
LG1PV55H783N	1630	559	76 or 102	1218	279	1388	203	1422	673	340	1218	115
LG2PV75H763N	1764	660	76 or 102	1308	343	1511	279	1543	768	340	1308	114

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

*Based on manufacturer's rated recovery efficiency.

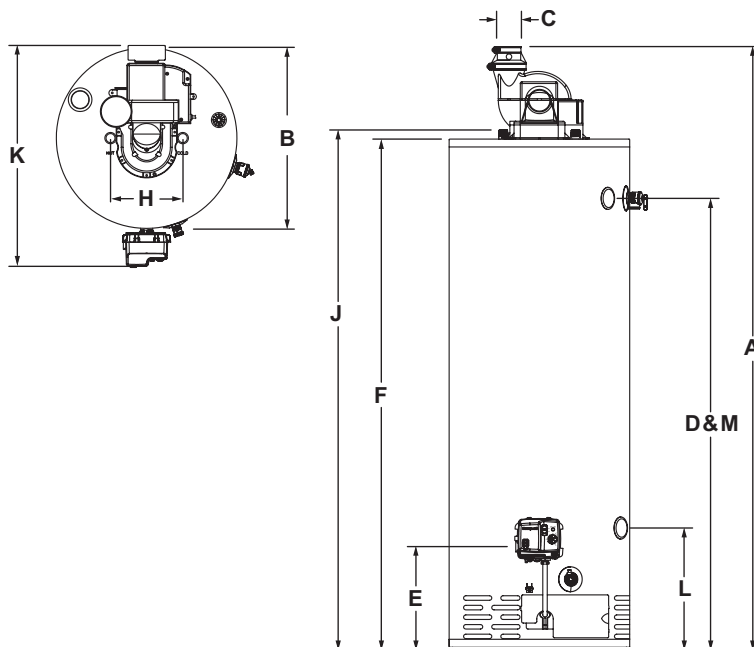
120 VAC Required for Power Venting / 120 VAC 60HZ 3.1 Amperes.

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

	3" Vent Pipe	4" Vent Pipe
LG2PV50H653N		
LG1PV55H783N		
LG2PV75H763N		
Max. Equivalent Length	†50 ft.	†180 ft.
Min. Equivalent Length	7 ft.	15 ft.
Number of 90° Elbows	1 45 ft. 2 40 ft. 3 35 ft.	175 ft. 170 ft. 165 ft.

Subtract 5ft. (1.5m) for each additional 90° elbow

†For high altitude installations, consult the installation instructions.



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" NPT (19mm), all gas connections are 1/2" (13mm). All models design-certified by CSA International (formerly AGA/CGA), ANSI 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



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