

Light Duty Commercial Ultra Low NOx High Input Gas Water Heater



Photo is of
ULG275H763N

The Ultra Low NOx High Input Models Feature:

- **Bradford White ICON System™**—Intelligent gas control with proven millivolt powered technology and built-in piezo igniter. A standard, off-the-shelf thermopile converts heat energy from the pilot flame into electrical energy to operate the gas valve and microprocessor. No need for external electricity.
 - **Enhanced Performance**—Proprietary algorithms provide 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.
 - **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.
- **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.
- **Maintenance-Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions (ULG250H553N only).
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Factory-Installed Hydrojet 2™ Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build-up in tank.
- **Vitraglas® 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 (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **More Precise Temperature Control**—With an adjustable temperature up to 180°F.
- **Side Connections**—3/4" NPT tapings allow an easy connection for space heating applications (potable water only).
- **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.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning, while providing corrosion-resistant contact with floor.
- **Water Connections**—Factory-installed true dielectric fittings extend water heater life and ease installation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Hand Hole Cleanout**—Allows inspection of tank interior and facilitates the removal of sediment deposits (optional on 75T models).
- **4" (107 mm) "Snap Lock" Draft Diverter**
- **T&P Relief Valve**—Installed.
- **Low Restriction Brass Drain Valve**—Durable tamper-proof design.
- **Design Certified by CSA International (formerly AGA and CGA).**
- **ULG250H553N Complies with the latest Ultra Low NOx requirement (10 ng/J NOx limit), ULG275H763N / ULG2100H853N (14 ng/J NOx limit).**

FEATURING:



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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Ultra Low NOx Models

NATURAL GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
Recovery efficiency ranging up to 79%

Model Number	Capacity		1st Hour Rating (Gal.)	Energy Factor	Recovery at 100°F Rise*		A	B	C	D	E	F	G	H	J	K	L	M	Approx. Shipping Weight	
	U.S. Gal.	Imp. Gal.			Nat. BTU/Hr. Input	Nat. U.S. GPH	Nat. Imp. GPH	Floor to Flue Conn. in.	Jacket Dia. in.	Vent Size in.	Floor to T&P Conn. in.	Floor to Gas Conn. in.	Floor to Space Heating Return in.	Floor to Space Heating Outlet in.	Floor to Top of Heater in.	Floor to Water Conn. in.	Depth in.	C/L of Water Conn. in.		NPT in.
ULG250H553N	48	40	55,000	100	0.60	53	44	60 ^{5/16}	22	4	49 ^{7/8}	11 ^{1/2}	13 ^{3/8}	49 ^{7/8}	56 ^{3/8}	57 ^{13/16}	25 ^{7/16}	11	3/4	193
ULG275H763N	75	63	76,000	N/A	N/A	74	62	64 ^{1/8}	26	4	53 ^{9/16}	15 ^{1/8}	16 ^{5/8}	53 ^{9/16}	60 ^{1/8}	61 ^{1/8}	29 ^{7/16}	11	1	263
ULG2100H853N	100	83	85,000	N/A	N/A	82	68	70 ^{7/16}	28 ^{1/4}	4	60 ^{7/16}	16 ^{3/4}	18 ^{3/4}	51 ^{3/4}	66 ^{1/8}	66 ^{5/8}	31 ^{1/2}	16	1 ^{1/4}	424

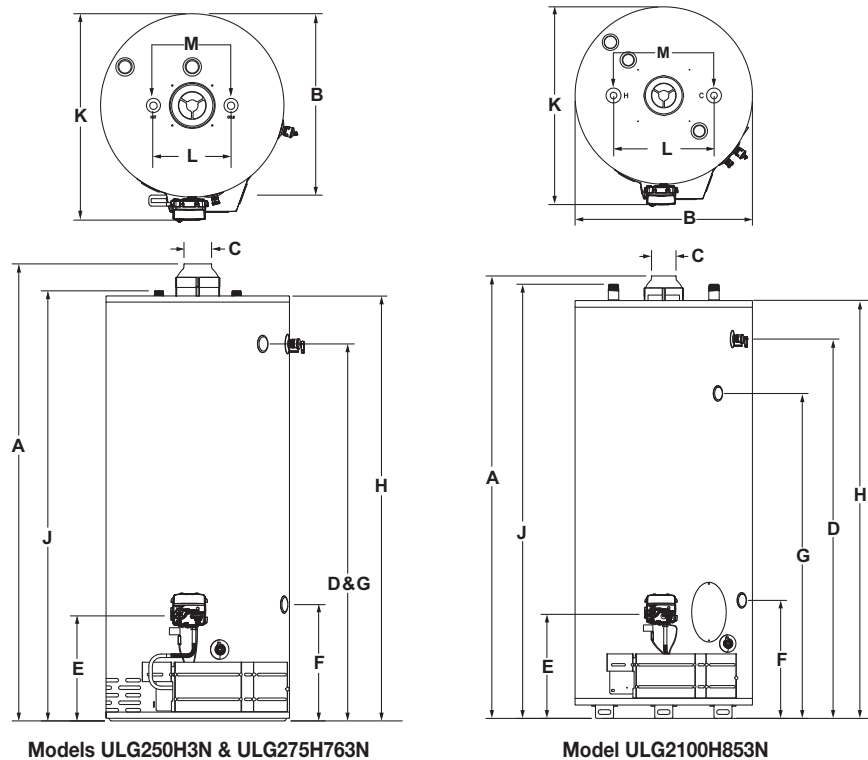
Model Number	Capacity		1st Hour Rating (Liters)	Energy Factor	Recovery at 50°C Rise*		A	B	C	D	E	F	G	H	J	K	L	M	Approx. Shipping Weight
	Liters	Nat. kW Input			Nat. Liters/Hour	Floor to Flue Conn. mm.	Jacket Dia. mm.	Vent Size mm.	Floor to T&P Conn. mm.	Floor to Gas Conn. mm.	Floor to Space Heating Return mm.	Floor to Space Heating Outlet mm.	Floor to Top of Heater mm.	Floor to Water Conn. mm.	Depth mm.	C/L of Water Conn. mm.	NPT mm.		
ULG250H553N	182	16.1	379	0.60	223	1532	559	102	1267	292	340	1267	1432	1468	646	279	19	88	
ULG275H763N	284	22.3	N/A	N/A	280	1629	660	102	1360	384	422	1360	1527	1553	748	279	25	119	
ULG2100H853N	379	24.9	N/A	N/A	310	1789	718	102	1535	425	476	1314	1692	1756	800	406	32	192	

Available in Natural Gas only.

For 5 year models, change suffix from "3" to "5".

*Based on manufacturer's rated thermal efficiency.

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



General:

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All gas connections are 1/2" (13mm). All models design-certified by CSA International (formerly AGA/CGA), ANSI standard Z-21.10.3 (Z-21.10.1 for 50 gallon) 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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