

Commercial Induced Draft Gas Water Heater (D-Series)



Photo is of
D-65T-625-3NA

FEATURING:



The Induced Draft Models feature:

- **ICON HD**[®]—Intelligent proven design combines temperature control, diagnostic codes, and system ignition functions into a single control board with a digital LCD display. Control panel cover tilts down for ease of wiring and service.
- **Operation Mode**—Two different digitally displayed operation modes have the capability of adjusting the temperature setting up to 180°F (82°C), and adjusting the degree setting (°F to °C, or °C to °F).
- **Service Mode**—Eight different digitally displayed service modes can be easily cycled through by pressing the select button.
 - Adjust the temperature setting up to 180°F (82°C)
 - Change the degree setting (°F to °C, or °C to °F)
 - Lock the maximum temperature setting that can be adjusted in operation mode
 - Display the average water temperature (for two sensor models) and see the upper and lower temperature sensor readings
 - Read the flame current of the pilot flame
 - Show diagnostic codes - 16 different numeric error codes; access an error code history of the last 10 codes
- **Electronic Ignition**—High voltage, low current electricity is sent to the pilot electrode initiating a spark to ignite the pilot gas. This results in savings of pilot gas during stand-by periods because the pilot flame only operates when there's a call for heat.
- **Factory Installed Hydrojet[®] Sediment Reduction System**—Cold water inlet sediment reducing device helps prevent sediment build up in the 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**—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.
- **Potable Water Connections**—1½" (38mm) NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Protective Magnesium Anode Rods**—Provide added protection against corrosion for long-term, trouble-free service.
- **Hand Hole Cleanout**—Allows inspection of tank interior and removal of sediment deposits.
- **E.C.O.**—An automatic reset Energy Cut Out (E.C.O.) shuts off all gas in event of an overheat condition. This automatically resets when operation conditions are back to normal.
- **Sanitizing Capability**—Temperature setting up to 180°F (82°C).
- **NSF Construction Available.**
- **ASME Code Available.**
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Design Certified by CSA International.**

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.

Commercial Gas Water Heater

Induced Draft Models

NATURAL GAS AND LIQUID PROPANE GAS

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

Model Number	Nominal Gal. Capacity		GPH Recovery* at Degree Rise		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.	G Floor to Cold Water Conn. in.	L Floor to Hot Water Conn. in.	M Water Conn. NPT in.	S Gas Conn. Size in.	Approx. Shipping Weight lbs.				
	U.S. Gal.	Imp. Gal.	40°F	100°F											140°F	Std.	ASME		
D-65T-625-3N(A)	65	54	625,000	625,000	1515	606	433	73 ^{3/8}	28 ^{1/4}	8	58 ^{1/8}	6 ^{1/4}	73 ^{3/8}	32 ^{3/4}	58 ^{1/8}	1 ^{1/2}	1†	720	775
D-80T-725-3N(A)	80	66	725,000	725,000	1757	703	502	83 ^{15/16}	28 ^{1/4}	8	68 ^{3/16}	6 ^{1/4}	83 ^{15/16}	32 ^{3/4}	68 ^{3/16}	1 ^{1/2}	1†	800	880

Model Number	Nominal Liter Capacity		LPH Recovery* at Degree Rise			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.	G Floor to Cold Water Conn. mm.	L Floor to Hot Water Conn. mm.	M Water Conn. NPT mm.	S Gas Conn. Size mm.	Approx. Shipping Weight kg.		
	kW Input	LP kW Input	22°C	56°C	78°C											Std.	ASME	
D-65T-625-3N(A)	246	183	183	5734	2294	1638	1864	724	203	1476	159	1864	832	1476	38	25†	326	352
D-80T-725-3N(A)	303	212.3	212.3	6652	2661	1901	2132	724	203	1732	159	2132	832	1732	38	25†	363	399

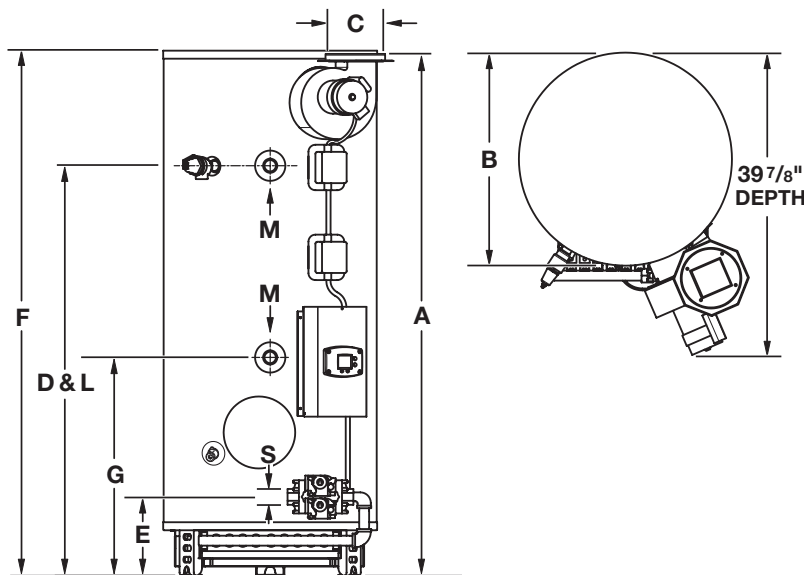
* Recoveries are based on Natural Gas input and 80% Thermal Efficiency.

For Propane(LP) Gas Models change suffix "N" to "X".

† LP Gas Connection 3/4" (76 mm).

(A)=ASME Construction Available.

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



Sample Specification

The water heater shall be a Bradford White model with a rated storage capacity of not less than _____ gallons (_____ liters), a minimum gas input of _____ BTU/Hr. (_____ kW), a minimum recovery of _____ GPH (_____ LPH). The tank shall be Vitraglas® lined and have a bolted hand hole cleanout. A digital LCD display shall be integrated into the front control box, and the control shall be an adjustable electronic thermostat to any temperature up to 180°F (82°C), and must have an automatic re-set Energy Cut-off (E.C.O), which shuts off all gas in an event of a overheat condition. The tank shall have _____ magnesium anode rods installed in separate tank head couplings. The heater shall have Non-CFC foam insulation, electronic ignition, and come equipped with an ASME rated T&P relief valve, a cold water inlet Hydrojet® Sediment Reduction System, and an induced draft blower with integral damper for atmospheric venting (115V AC required). It shall be design certified by CSA International for 180°F (82°C) application, either with or without a separate storage tank, and comply with state and local codes and ordinances.

General

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All models are design certified by CSA International (formerly AGA/CGA), ANSI standard Z-21.10.3, for up to 180° (82°C) application as an Automatic Storage Heater, and an Automatic Circulating Tank Heater. As an Automatic Storage Heater, all models are complete, self-contained water heating systems. It needs no separate storage tank, pump, wiring or elaborate piping network. When equipped with a mixing valve, it will supply 180°F (82°C) sanitizing and lower temperature general purpose hot water simultaneously. These models can be used either as a single unit or in multiples connected in series or parallel (recommended).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

— BRADFORD WHITE IS —



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