

# Infiniti® K Series Indoor Tankless Gas Condensing Water Heater

## Features

- **ENERGY STAR® Certified.**
- **Certified Green Product™ by the Green Restaurant Association.**
- **SRT™ Scale Reduction Technology**—Significantly reduces the incidence of scale build-up known to result in poor performance, additional maintenance, and premature component or product failure.
- **STEADISET® Technology**—Virtually eliminates cold water sandwich without the need for an internal buffer tank and recirculation pump.
- **Self-Calibrating Fan and Gas Valve**—Automatically configures air fuel ratio for flue length, gas type, and altitude - without a combustion analyzer.
- **Modulation**—Segmented burner with 22:1 turn down ratio.

## Additional Details

- **Complies with the latest Ultra-Low NOx requirement (14 ng/J NOx limit).**
- **Built-in Digital Control**—Temperature can be adjusted on the front control panel (100-140°F) (38°C-60°C).
- **Active Bypass**—Achieves superior temperature stability ( $\pm 2^\circ\text{F}$ ) ( $\pm 1^\circ\text{C}$ ).
- **External Recirculation Pump Wiring**—Installed. Built-in controls provides precise operation of external recirculation pump with, or without, additional external temperature sensor (Recirculation pump sold separately).
- **Built In Freeze Protection**—Activates automatically when the water heater is plugged in.
- **Pressure Relief Valve**—Included (Integral port).
- **Heat Exchanger**—Primary Copper with Secondary Stainless Steel (316L) heat exchanger helps maximize life and minimize scale build-up.
- **Intelligent Cascading Kit (Optional)**—Up to 24 units can be connected together with ease.
- **Flushing Condensate Trap.**
- **Optional Condensate Neutralizer Kit**—p/n A2123601.
- **Easy Installation and Service Features:**
  - Top Water Connections – For easy retrofit.
  - Venting Length Up To 280 ft. – Direct vent, power vent, and concentric venting terminations approved. PP, PVC, and CPVC approved venting material (refer to I&O manual for details). 2" (51mm) vent up to 60 ft. (18m) and 3" (76mm) vent up to 280 ft. (85m).
  - Gas Connection Flexibility – 1/2" (13mm), 3/4" (19mm), or 1" (25mm) connections permitted (refer to I&O manual for details).
  - Space Saving Installation – 1 Compact size for tight installations.
  - Easy LP Gas Field Convertibility – Purchase of additional kit NOT required to convert from NG to LP.
- **Easy Installation and Service Features:**
  - Inlet Water Filter – External access for easy maintenance.
  - Built-in Flush Ports – For servicing/de-scaling.



**15-Year Limited Residential Heat Exchanger Warranty / 5-Year Limited Parts Warranty.**

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

For products installed in USA, Canada, and Puerto Rico. See complete copy of the warranty included with the heater for limitations.

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## SPECIFICATIONS

Natural Gas and Liquid Propane Gas

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

Model Number	Input (BTU/Hr.)		Vent Conn. in.	GPM Flow Rate at °F Temperature Rise			Uniform Energy Factor Nat. and LP	Minimum Water Flow GPM	Maximum Temperature Setting	Approx. Shipping Weight lbs.
	Nat.	LP		45°F	75°F	90°F				
RTG-K-160-N1	9,000 - 160,000	17,000 - 160,000	2	7.0	4.2	3.5	0.95	0.45	140°F	73
RTG-K-199-N1	9,000 - 199,000	17,000 - 199,000	2	8.7	5.2	4.4	0.95	0.45	140°F	79

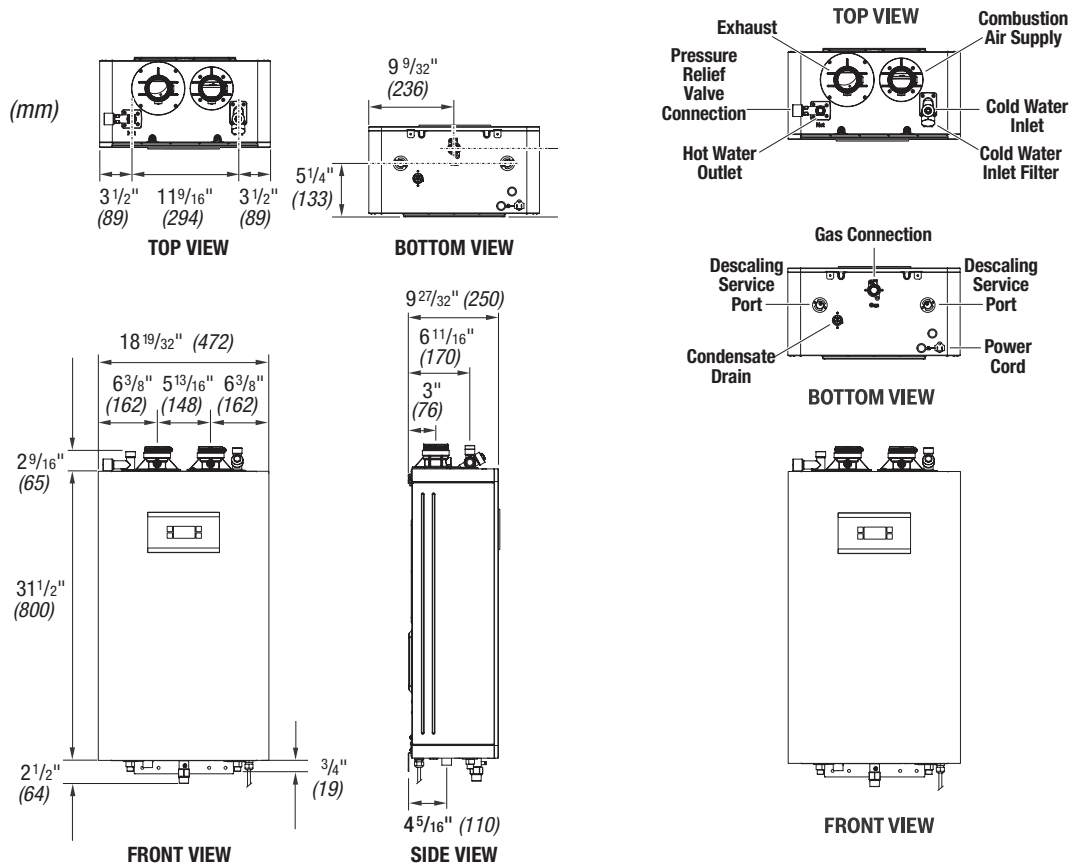
  

Model Number	Input (kW)		Vent Conn. mm.	LPM Flow Rate at °C Temperature Rise			Uniform Energy Factor Nat. and LP	Minimum Water Flow LPM	Maximum Temperature Setting	Approx. Shipping Weight kg.
	Nat.	LP		25°C	41.7°C	50°C				
RTG-K-160-N1	2.6 - 46.64	5.0 - 46.64	51	26.7	15.9	13.2	0.95	1.7	60°C	33
RTG-K-199-N1	2.6 - 58.3	5.0 - 58.3	51	32.9	19.6	16.6	0.95	1.7	60°C	36

Propane (LP) Models are not available for order from the factory. All Natural Gas products shipped can be converted to Propane (LP) without the purchase of an additional kit. Requires an electrical power supply from a 120VAC 60Hz., properly rated receptacle and must be properly grounded. Power supply cord provided.

**Intelligent Cascading Kit:** Any indoor Infiniti® K-Series tankless water heater purchased with the serial number "TEB0008188" and after, will have cascading technology available. Up to 24 units can be connected together with ease. **Part No. 7736502750** (One for each additional water heater).

2" (51mm.) Venting	Maximum allowable exhaust vent length	Maximum allowable intake vent length	Combined maximum allowable vent	3" (76mm.) Venting	Maximum allowable exhaust vent length	Maximum allowable intake vent length	Combined maximum allowable vent
Twin pipe	60 ft.	60 ft.	120 ft.	Twin pipe	280 ft.	280 ft.	560 ft.
	18m	18m	37m		85m	85m	171m



## GENERAL:

All potable water connections are 3/4" (19mm) NPT. Gas connections are 3/4" (19mm). Bradford White recommends consulting the Installation and Operations Manual (IOM) for proper gas line sizing based upon the installation specifics.

**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.

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



Sales: 800-523-2931

24/7 Technical Support: 800-334-3393 • Email TechServ@bradfordwhite.com

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