

**12-Year Limited Warranty on Heat Exchanger Residential / 5-Year Limited Warranty on Heat Exchanger Commercial
5-Year Parts Warranty***

Fully modulating, gas fired, tankless water heater with sealed combustion and power vented flue. Indoor and outdoor models available for residential applications. Supplies hot water to domestic hot water systems (directly or indirectly) can be used with water storage tanks, recirculation systems, hydronic heating systems, radiant floor heating systems, and/or combined domestic & heating applications.

FEATURES

Complies with Ultra-Low NOx regulations

Maximum Flow Rates Up to 10.0 GPM

Primary Heat Exchanger

- Stronger than standard copper and more resilient against erosion

Indoor and Outdoor Models Available

Outdoor Models Include Remote Control as a Standard Feature

Indoor Models Include Both a Remote Control and Power Cord as Standard Features

ENERGY STAR® Qualified

Available in Natural Gas

Easy-Link up to 4 Units (510U Models Only)

- With no additional parts or accessories needed

Multi-Link up to 20 Units (510U Models Only)

Complies with Lead Free Standards

GT-510UI and GT-510UE can be used in both Residential and Commercial Applications

Safety Features:

- Built-in Freeze Protection
- Manual Reset Hi Limit (Set at 194°F)
- Overheat Cutoff Fuse
- Inlet and Outlet Thermistors for Constant Temperature Monitoring
- Air Fuel Ratio Rod
- Flame Sensor

Venting and Combustion

- 4" Category III Stainless Steel
- Vertical or Horizontal Installation
- 50' Max Length, 5 Elbows max (90° elbows = 5' equivalent length)
- Power Vent
- Electronic Ignition - No Pilot Light
- 3" Combustion Air Intake (with optional kit)

Optional Accessories

- Complete Line of Stainless Steel Venting
- Recess Box (outdoor)
- Pipe Cover
- Isolation Valve Kits
- Backflow Preventor
- Concentric Termination Kits



Indoor Models
GT-110UI, GT-310UI, GT-510UI



Outdoor Models
GT-110UE, GT-310UE, GT-510-UE



(510U models only)



**ANSI Z21.10.3
CSA 4.3**

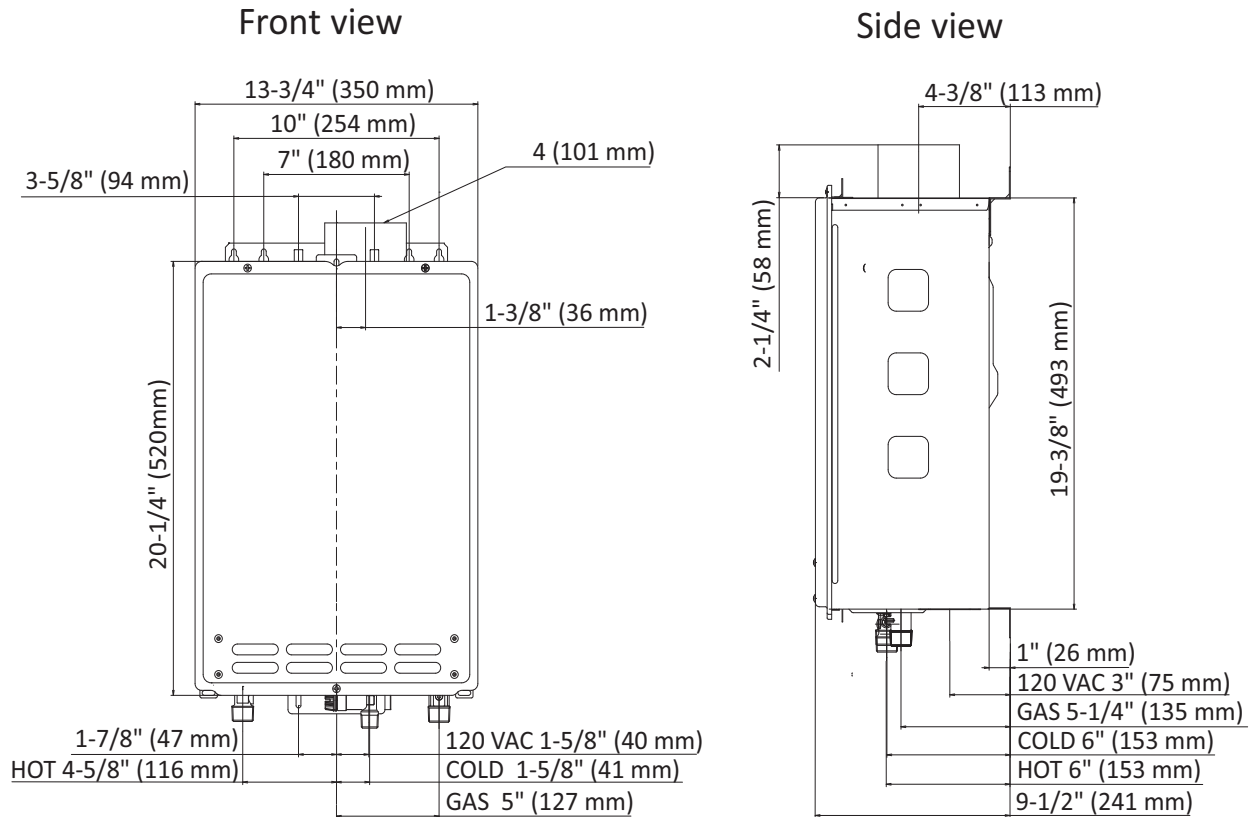
*For complete warranty information consult the written warranty of American Water Heaters found at www.americanwaterheater.com, or call (800) 999-9515.

Tankless Ultra-Low NOx Non-Condensing Models

MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		ENERGY FACTOR (EF)	INLET GAS PRESSURE		MAX GPM**	DIMENSIONS IN INCHES			VOLT	AMP	FLUE*	INTAKE (OPTIONAL)	HOT/COLD GAS CONN.	UNIT WEIGHT (LBS)
		MIN. BTU/H	MAX. BTU/H		MIN. W.C.	MAX. W.C.		HEIGHT	WIDTH	DEPTH						
GT-110UI	Natural	15,000	140,000	0.82	5.0	10.5	6.6	20-1/2	13-4/5	8-1/2	120	0.54	4" O.D.	3.0" O.D.	3/4" NPT	37
GT-110UE	Natural	15,000	140,000	0.82	5.0	10.5	6.6	20-1/2	13-4/5	8-1/2	120	0.54	4" O.D.	3.0" O.D.	3/4" NPT	37
GT-310UI	Natural	15,000	190,000	0.82	5.0	10.5	8.0	20-1/2	13-4/5	8-1/2	120	0.83	4" O.D.	3.0" O.D.	3/4" NPT	37
GT-310UE	Natural	15,000	190,000	0.82	5.0	10.5	8.0	20-1/2	13-4/5	8-1/2	120	0.83	4" O.D.	3.0" O.D.	3/4" NPT	37
GT-510UI	Natural	15,000	199,000	0.82	5.0	10.5	10.0	20-1/2	13-4/5	8-1/2	120	0.86	4" O.D.	3.0" O.D.	3/4" NPT	39
GT-510UE	Natural	15,000	199,000	0.82	5.0	10.5	10.0	20-1/2	13-4/5	8-1/2	120	0.86	4" O.D.	3.0" O.D.	3/4" NPT	39

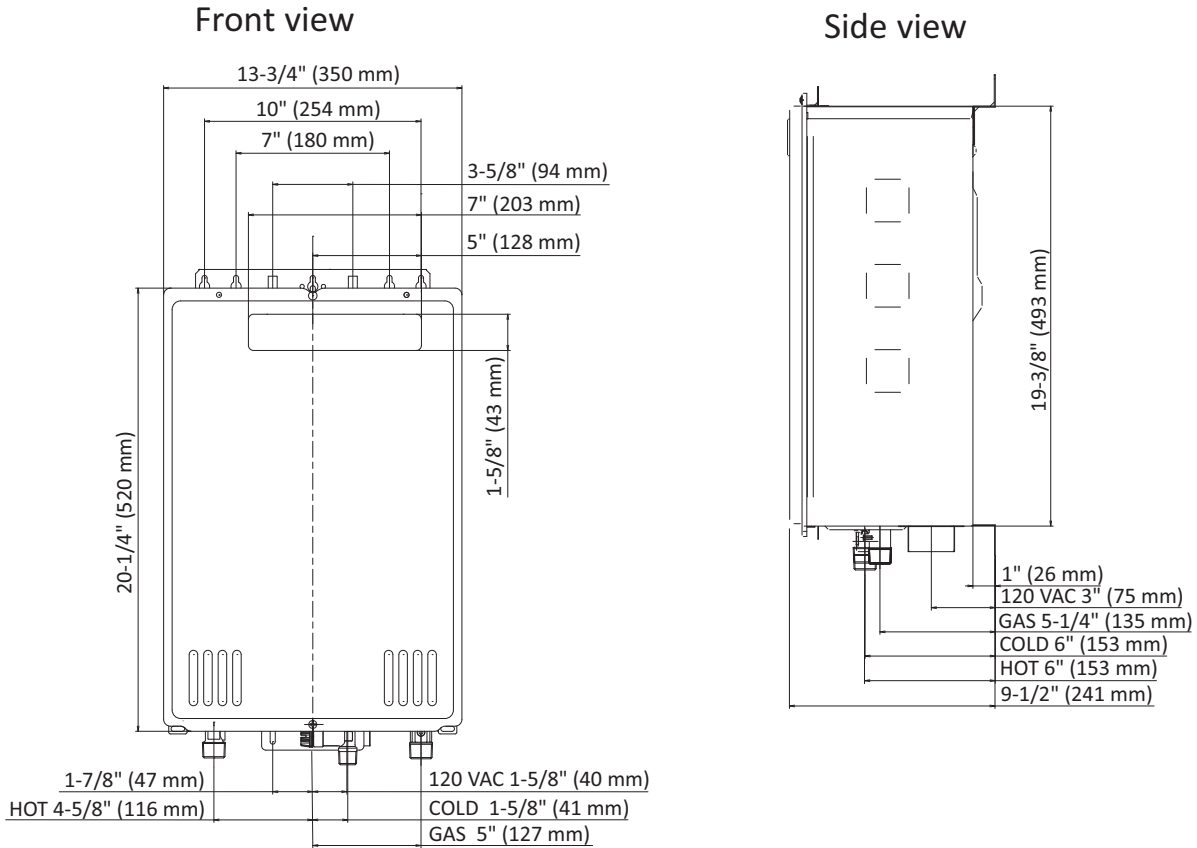
All dimensions in inches.
 15-150 psi water pressure. 40 psi or above recommended for maximum flow.
 *Category III required
 **Current numbers based on factory testing, 0.4 GPM required for continuous fire after initial ignition.
 Pressure only relief valve required (Min. 200,000 BTUs. 150 PSI). Min 40 PSI or above recommended for maximum flow.
 Complies with Ultra-Low NOx regulations (SCAQMD Rule 1146.2) effective January 1, 2012.
 Freeze protection draws 1.1 AMP
 Indoor models are certified from sea level to 8,000 ft. elevations.

INDOOR MODEL



CLEARANCES: Top 12", Bottom 12", Front 24", Back 0.5", Sides 2"

OUTDOOR MODEL



CLEARANCES: Top 36", Bottom 12", Front 24", Back 0.5", Sides 2"

Specification

Water heater(s) shall be Model _____ as manufactured by American Water Heaters. Water heater(s) shall be a copper coil integral fin and tube construction with quick release brass or bronze waterways. Heater(s) will be factory assembled and tested.

The heater shall be vented with 4" stainless steel Category III vent pipe or Special BH type gas vent at a distance not to exceed 50' (equivalent) for 4" vent, terminating vertically or horizontally as prescribed. Intake air pipe may be of such material as ABS, PVC, galvanized B-Vent, corrugated aluminum or stainless steel, or Category III / IV stainless steel not to exceed 50' (equivalent) for 3" vent.

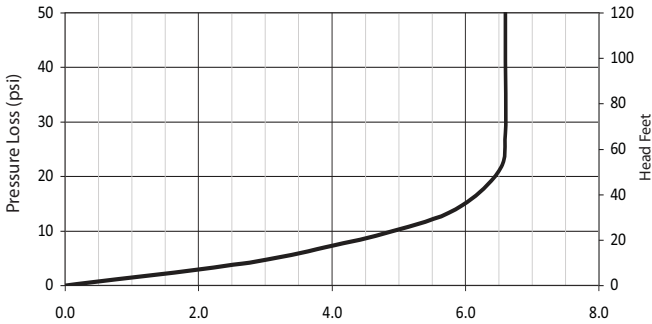
The heater(s) shall be controlled by an onboard solid-state printed circuit board monitoring incoming and outgoing temperatures with factory installed thermistors, sensing and controlling flow rate to set point temperature, controlling both air and gas mixture inputs to maintain thermal combustion efficiency. The heater(s) shall also consist of inline fusing, a spark ignition and sensor system, aluminized stainless steel burners, an air-fuel ratio sensor, a hi-limit temperature switch, modulating and proportional gas valves, a freeze protection sensor with ceramic heating blocks, and an overheat cutoff fuse.

The water heater(s) shall be CSA listed, exceed the energy efficiency requirements of ASHRAE 90.1b-2007, and shall comply with SCAQMD Rule 1146.2 Ultra-Low NOx Standards.

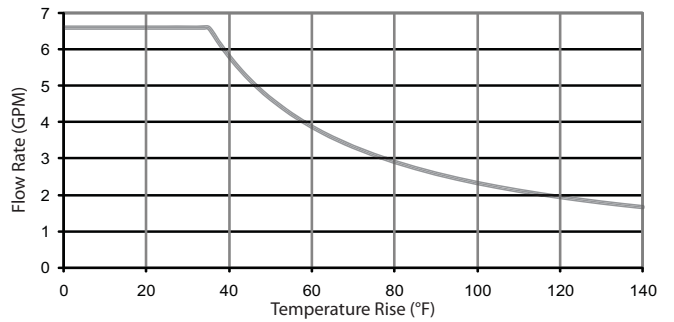


Residential/Commercial Gas Ultra-Low NOx Tankless Water Heaters

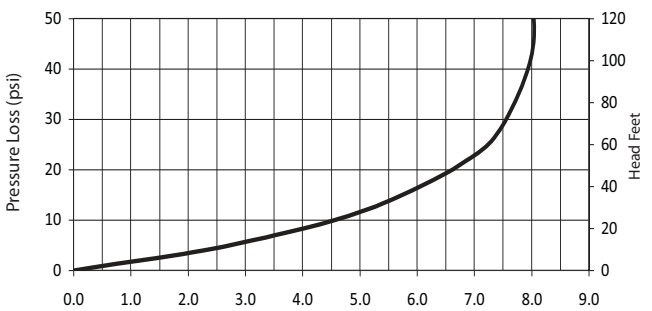
110U Indoor/Outdoor Pressure Loss



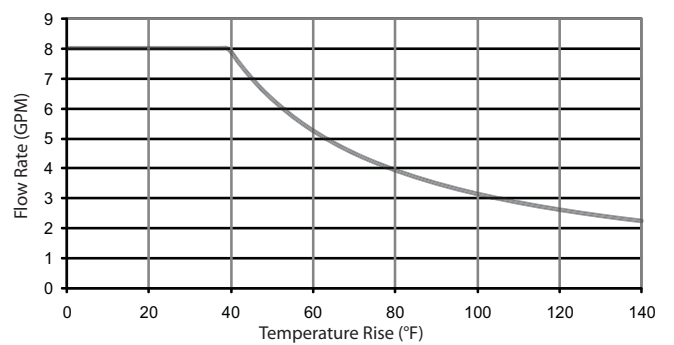
110U Comparison of Flow Rate vs. Temperature Rise



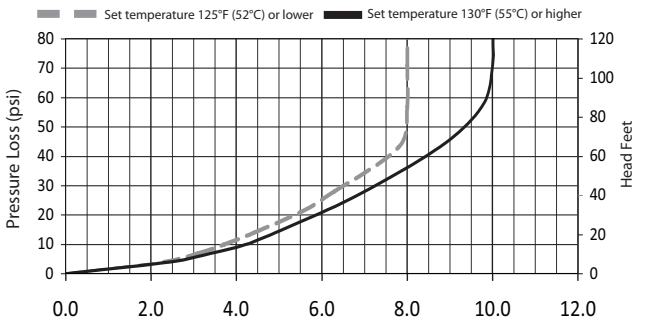
310U Indoor/Outdoor Pressure Loss



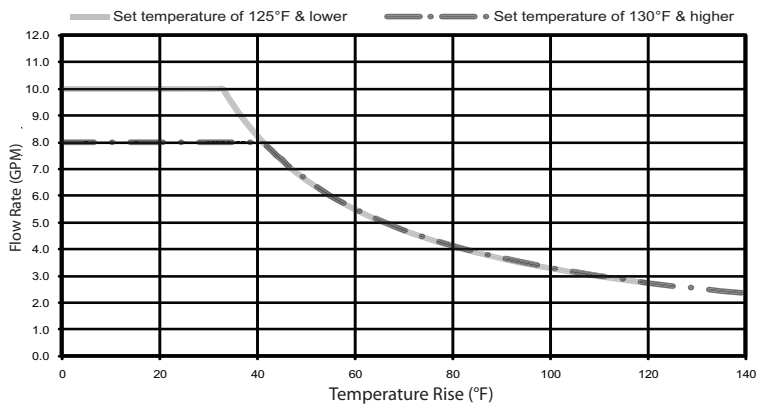
310U Comparison of Flow Rate vs. Temperature Rise



510U Indoor/Outdoor Pressure Loss



510U Comparison of Flow Rate vs. Temperature Rise



Distributed By:

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