

**Gas Tankless Water Heaters.
Continuous Hot Water.* Endless Innovation.**

Trust “Your Neighborhood Water Heater Source” to give you more choices in gas tankless water heating. As an expert in both water heating and treatment, Reliance® has combined the two technologies with X3® Scale Prevention Technology, available on select condensing gas tankless models.

*Reliance gas tankless water heaters provide continuous hot water when sized appropriately for your home's needs.

X3 TECHNOLOGY

X3 Scale Prevention Technology

- Extends the life of the unit up to 3x longer**
- Eliminates the need for regular scale-related maintenance
- No warranty exclusion for hard water
- Maintains “like-new” performance longer

**Compared to other tankless models without X3 Technology



**Easy-To-Use
Electronic Display**

- User Friendly, Easy to Read, Eye-level Display
- Display features:
 - On/Off button
 - Temperature Setting buttons
 - Info and Operation Status
 - Quick-Read Water Temp

Things to Consider Before Purchasing a Gas Tankless Water Heater

Gas Tankless Water Heaters have special installation requirements.



GAS SUPPLY - a 3/4" or larger gas supply pipe is required except for the TS-140 (NG & LP) which run off a 1/2" gas line



VENTING - Condensing models use 3" or 4" Schedule 40 PVC (solid core). Non-condensing indoor models require Category III stainless steel venting purchased separately.



GAS METER AND/OR REGULATOR - must have enough capacity to supply all gas appliances in the home.



ISOLATION VALVES - make required periodic maintenance easier.

Reliance has many other high efficiency water heating options available. One of these may be a better choice for your application.



**Your
neighborhood
water heater
source.**



www.RelianceWaterHeaters.com

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Reliance Water Heaters reserves the right to make product changes or improvements without prior notice. Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement. Some models may not be available in all markets. For complete information consult written warranty.

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Condensing Residential/Light Duty Commercial Gas, Ultra Low NOx, with X3® Scale Reduction Technology

- 15-Year Limited Warranty on heat exchanger, 5-Year Limited Warranty on all parts
- Available in Indoor and Outdoor models
- Safety features include: Exhaust and Water Temperature Safety Control, Overheat Cut-Off Fuse, Air-Fuel Ratio (AFR) Sensor
- Power Direct Vent Design: Flexible venting with PVC, CPVC, polypropylene, or ABS Pipe for intake and exhaust, Category III or IV venting, 3" or 4" PVC exhausting
- Internal Freeze Protection
- Durable Heat Exchanger
- 3/4" NPT Connections



Available with or without X3® Scale Reduction Technology

Altitude Range: Indoor Models: 0-10,000 Feet Above Sea Level, Outdoor Models: 0-6,000 Feet Above Sea Level

Model Number	Type	Gas Consumption Input (BTU/Hour)		UEF	Maximum GPM*	Dimensions In Inches			
		Minimum (Natural/LP)	Maximum			Height	Width	Depth	Height w/Cartridge
X3 INDOOR MODELS									
TS-540X3-GIH 100	Natural	15,000/13,000	199,000	0.93	10	23 5/8	17 3/4	11 1/4	35 9/16
TS-340X3-GIH 100	Natural	15,000/13,000	180,000	0.95	8	23 5/8	17 3/4	11 1/4	35 9/16
TS-240X3-GIH 100	Natural	15,000/13,000	160,000	0.94	6.6	23 5/8	17 3/4	11 1/4	35 9/16
NON X3 INDOOR MODELS									
TS-540P-GIH†	Natural	15,000/13,000	199,000	0.93	10.0	23 5/8	17 3/4	11 1/4	N/A
TS-540-GIH	Natural	15,000/13,000	199,000	0.93	10.0	23 5/8	17 3/4	11 1/4	N/A
TS-340-GIH	Natural	15,000/13,000	180,000	0.95	8.0	23 5/8	17 3/4	11 1/4	N/A
TS-240-GIH	Natural	15,000/13,000	160,000	0.94	6.6	23 5/8	17 3/4	11 1/4	N/A
TS-140-GIH	Natural	15,000/15,000	120,000	0.90	7.0	23 5/8	17 3/4	11 1/4	N/A
X3 OUTDOOR MODELS									
TS-540X3-GEH 100	Natural	15,000/13,000	199,000	0.95	10	23 5/8	17 3/4	11 1/4	35 9/16
TS-340X3-GEH 100	Natural	15,000/13,000	180,000	0.94	8	23 5/8	17 3/4	11 1/4	35 9/16
TS-240X3-GEH 100	Natural	15,000/13,000	160,000	0.95	6.6	23 5/8	17 3/4	11 1/4	35 9/16
NON X3 OUTDOOR MODELS									
TS-540P-GEH†	Natural	15,000/13,000	199,000	0.95	10.0	23 5/8	17 3/4	11 1/4	N/A
TS-540-GEH	Natural	15,000/13,000	199,000	0.95	10.0	23 5/8	17 3/4	11 1/4	N/A
TS-340-GEH	Natural	15,000/13,000	180,000	0.94	8.0	23 5/8	17 3/4	11 1/4	N/A
TS-240-GEH	Natural	15,000/13,000	160,000	0.95	6.6	23 5/8	17 3/4	11 1/4	N/A
TS-140-GEH	Natural	15,000/15,000	120,000	0.91	7.0	23 5/8	17 3/4	11 1/4	N/A

ENERGY STAR® Qualified Models

For propane, change G to L in the model number when ordering. Example: TS-540P-GIH would become TS-540P-LIH. X3 propane models, change 100 to 101 in the last three numbers of the model number. Example: TS-540X3-GIH 100 would become TS-540X3-LIH 101.

15-150 PSI Water Pressure. 40 PSI or above recommended for maximum flow.

*Current numbers based on factory testing; 0.5 GPM for activation, 0.4 GPM required for continuous fire after initial ignition.

†These models are equipped with a factory-installed hot water recirculation loop pump.



Concentric Vent, Non-Condensing Residential/Light Duty Commercial Gas, Ultra Low NOx, with X3® Scale Reduction Technology

- 15-Year Limited Warranty on heat exchanger, 5-Year Limited Warranty on all parts
- Contractor-preferred Concentric Vent Design
- Field Convertible from natural gas to propane (LP)
- Safety features include: Built-In Freeze Protection, Overheat Cut-Off Fuse, Air-Fuel Ratio (AFR) Sensor
- 3/4" NPT Connections

Available with or without X3® Scale Reduction Technology

Suitable for High Altitude Areas. Altitude Range: 0-10,000 Feet Above Sea Level

Model Number	Type*	Gas Consumption Input (BTU/Hour)		UEF	Maximum GPM**	Dimensions In Inches			
		Minimum	Maximum			Height	Width	Depth	Height w/Cartridge
X3 MODELS									
TS-510CX3	Natural	15,000	199,000	0.81	10.0	20 1/2	13 3/4	11 1/2	36 1/8
TS-310CX3	Natural	15,000	190,000	0.81	8.0	20 1/2	13 3/4	11 1/2	36 1/8
NON X3 MODELS									
TS-510C-GI	Natural	15,000	199,000	0.81	10.0	20 1/2	13 3/4	10 1/2	N/A
TS-310C-GI	Natural	15,000	190,000	0.81	8.0	20 1/2	13 3/4	10 1/2	N/A

* Field convertible natural gas to propane. Factory configured for natural gas, ships with propane conversion kit.

**Current numbers based on factory testing; 0.5 GPM for activation, 0.4 GPM required for continuous fire after initial ignition.



Non-Condensing Residential/Light Duty Commercial Gas, Ultra Low NOx

- Quick natural gas to propane field convertibility (kit included with heater)
- Category III stainless steel venting is required for indoor models
- 15-Year limited warranty on heat exchanger
- 5-Year limited warranty on all parts

Altitude Range: Indoor Models: 0-10,100 Feet Above Sea Level, Outdoor Models: 0-6,000 Feet Above Sea Level

Model Number	Type*	Gas Consumption Input (BTU/Hour)		UEF	Maximum GPM**	Dimensions In Inches		
		Minimum	Maximum			Height	Width	Depth
INDOOR MODELS								
TS-510U-I	Natural	15,000	199,000	0.81	10.0	20 1/2	13 3/4	10
TS-310U-I	Natural	15,000	190,000	0.81	8.0	20 1/2	13 3/4	10
TS-110U-I	Natural	15,000	140,000	0.81	6.6	20 1/2	13 3/4	10
OUTDOOR MODELS								
TS-510U-E	Natural	15,000	199,000	0.81	10.0	20 1/2	13 3/4	9 1/2
TS-310U-E	Natural	15,000	190,000	0.81	8.0	20 1/2	13 3/4	9 1/2
TS-110U-E	Natural	15,000	140,000	0.81	6.6	20 1/2	13 3/4	9 1/2

* Field convertible natural gas to propane. Factory configured for natural gas, ships with propane conversion kit.

**Current numbers based on factory testing; 0.5 GPM for activation, 0.4 GPM required for continuous fire after initial ignition.