

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

Altitude Range: 0-6,000 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
TS-110-GI	Indoor	19,500	140,000	0.79	0.79	\$157	\$372	6.6	5.2	3.3
TS-310-GI	Indoor	11,000	190,000	0.80	0.80	\$236	\$560	8.0	7.0	4.5
TS-510-GI+	Indoor	11,000	199,000	0.80	0.80	\$236	\$560	10.0	7.3	4.7
TS-110-GE	Outdoor	19,500	140,000	0.79	0.79	\$157	\$372	6.6	5.2	3.3
TS-310-GE	Outdoor	11,000	190,000	0.80	0.80	\$236	\$560	8.0	7.0	4.5
TS-510-GE+	Outdoor	11,000	199,000	0.80	0.80	\$236	\$560	10.0	7.3	4.7

For propane, change G to L in the model number when ordering. Example: TS-110-GI would become TS-110-LI.
+ Can be installed in light-duty commercial applications. Includes remote control and can connect up to 4 units.

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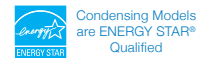
Altitude Range: Indoor Models: 0-10,100 Feet Above Sea Level, Outdoor Models: 0-6,000 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
TS-110-UI*	Indoor	15,000	140,000	0.81	0.81	\$152	\$362	6.6	5.2	3.3
TS-310-UI*	Indoor	15,000	190,000	0.82	0.82	\$228	\$546	8.0	7.0	4.5
TS-510-UI*	Indoor	15,000	199,000	0.82	0.82	\$229	\$546	10.0	7.3	4.7
TS-110-UE*	Outdoor	15,000	140,000	0.81	0.81	\$151	\$362	6.6	5.2	3.3
TS-310-UE*	Outdoor	15,000	190,000	0.82	0.82	\$227	\$545	8.0	7.0	4.5
TS-510-UE*	Outdoor	15,000	199,000	0.81	0.81	\$231	\$552	10.0	7.3	4.7

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

Condensing Residential/Light Duty Commercial Gas, Ultra Low NOx

Suitable for High Altitude Areas. Altitude Range: 0-10,100 Feet Above Sea Level



Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
TS-140-GIH	Indoor	15,000/15,000	120,000	0.90	0.90	\$136	\$326	6.6	5.0	3.2
TS-240-GIH	Indoor	15,000/13,000	160,000	0.94	0.94	\$199	\$476	6.6	6.6	4.3
TS-340-GIH	Indoor	15,000/13,000	180,000	0.95	0.95	\$197	\$471	8.0	7.6	4.9
TS-540-GIH	Indoor	15,000/13,000	199,000	0.93	0.93	\$202	\$482	10.0	8.4	5.4
TS-540P-GIH†	Indoor	15,000/13,000	199,000	0.93	0.93	\$202	\$482	10.0	8.4	5.4
TS-140-GEH	Outdoor	15,000/15,000	120,000	0.91	0.91	\$135	\$322	6.6	5.0	3.2
TS-240-GEH	Outdoor	15,000/13,000	160,000	0.95	0.95	\$196	\$471	6.6	6.6	4.3
TS-340-GEH	Outdoor	15,000/13,000	180,000	0.94	0.94	\$198	\$476	8.0	7.6	4.9
TS-540-GEH	Outdoor	15,000/13,000	199,000	0.95	0.95	\$197	\$471	10.0	8.4	5.4
TS-540P-GEH†	Outdoor	15,000/13,000	199,000	0.95	0.95	\$197	\$471	10.0	8.4	5.4

For propane, change G to L in the model number when ordering. Example: TS-140-GIH would become TS-140-LIH.
† 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

Suitable for High Altitude Areas. Altitude Range: 0-10,100 Feet Above Sea Level

Model Number	Type	BTU Input Natural/Propane		Uniform Energy Factor (U.E.F.)		Estimated Yearly Energy Cost		Hot Water Output (GPM)		
		Minimum	Maximum	Natural	Propane	Natural	Propane	Maximum	45°F Rise	70°F Rise
TS-110C-GI*	Indoor	15,000	140,000	0.79	0.79	\$154	\$371	6.6	4.9	3.1
TS-310C-GI*	Indoor	15,000	190,000	0.82	0.82	\$227	\$545	8.0	6.9	4.4
TS-510C-GI*	Indoor	15,000	199,000	0.81	0.81	\$230	\$552	10.0	7.1	4.5

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