



BUILDER'S GUIDE





WHY PARTNER WITH US?

Partnering with State and our family of brands allows builders to select a water heater product spec and then find that product locally, from multiple wholesalers and contractors. No matter where you are, or how unique your application, you can find the product from us to meet your needs and achieve your water heater goals.



COMPANY HIGHLIGHTS



- State celebrates more than **70-years** of innovation, integrity and customer satisfaction
- Multi-generational company with **world's largest** water heater manufacturing facility in Ashland City, Tenn.
- Company operations directly contributes more than **3,500 jobs** in the U.S.



ABOUT US



COMPLETE PRODUCT OFFERING

Residential or commercial, standard or high efficiency, with tankless and even hybrid models, State's full line of products gives builders the best opportunity to select units that provide added value and help achieve a lower HERS Index Rating.

BEST COMPONENTS IN THE INDUSTRY

APCOM, a division of State Industries, LLC, is the industry's largest manufacturer of thermostats, electric heating elements, gas manifolds and burners, pipe nipples and other water heater components. This vertical integration allows us to provide the best water heaters in the business by ensuring that we use the best components available.



SALES SUPPORT

COMPETITIVE PRICING—Our goal is to create long-lasting relationships with our builder partners

SPEEDY AND LOCAL SUPPORT through our tech support team, nationwide distribution and sales rep network

JOB SITE INSPECTIONS and local code compliance advice



To find a complete list of builder tools and resources, visit statewaterheaters.com/builders.

RESIDENTIAL WATER HEATER SELECTION GUIDE



SIMPLE TANK TYPE SIZING

1 Determine whether your family is low demand or high demand. You should consider your family to be high demand if...

- There are more than two full baths in the home.
- There are (or will be) teenagers living in the home. It's a fact: teenagers use more hot water for showering and washing clothes.
- You have an oversize whirlpool bath or other large tub. As a rule of thumb, the water heater tank capacity should be 100% of the bathtub capacity (example: 75-gallon tub/75-gallon water heater).

2 Locate your family size and determine the first hour rating requirement for your family. If you decide your family is high demand, consider moving up to the next first hour rating level.

3 Consult the heater options on the following pages for a State residential water heater with a first hour rating that meets your requirements.



To select the right State water heater, consider the size of your family and other factors that contribute to your First Hour Rating (FHR) Requirement. This chart provides suggested State residential water heater selection guidelines for several family sizes.

FAMILY SIZE	FIRST HOUR RATING REQUIREMENTS
2 People	45-55 Gallons
3 People	55-65 Gallons
4 People	65-75 Gallons
5 People	75-85 Gallons
6 People	85-100 Gallons
7 or More People	100 or more Gallons

SIMPLE TANKLESS SIZING

TANKLESS MODELS GROUND WATER TEMPERATURE FACTOR

The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with the changing of the seasons. The temperature of water as it enters the water heater will determine the amount of “temperature rise” required to achieve the desired hot water outlet temperature (120°F is recommended).

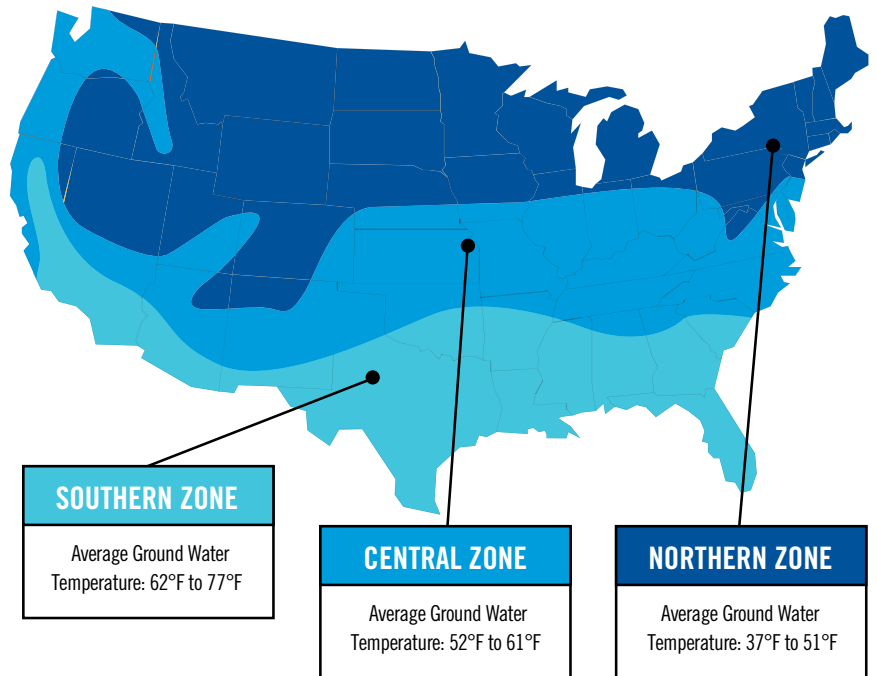
The best way to measure incoming ground water temperature is to use a thermometer to measure cold water temperature during the coldest season of the year. To simplify the process, use this map to determine whether your installation location is in the Southern Zone, Central Zone or Northern Zone.

PEAK HOT WATER DEMAND

The next step is to determine how many gallons per minute of hot water will be required during the busiest usage period (peak demand). Consider all appliances and fixtures that use hot water, including lavatory faucets, kitchen faucets, washing machines, dishwashers, showers and bathtubs. Be sure to determine how many appliances and fixtures will be used at the same time (peak demand).



AVERAGE GROUND WATER TEMPERATURE



Remember, these are general recommendations. Your State Water Heater Specialist can review your family's needs in even greater detail to make sure the model you choose will always provide enough hot water to meet the demand.

TANKLESS FLOW RATES

Temp Rise	110U Series	310U Series	510U Series	140H Series	240H/X3 Series	340H/X3 Series	540H/P/X3 Series
30°	6.6	8.0	10.0	6.6	6.6	8	10
40°	5.7	7.8	8.1	5.6	6.6	8	9.5
50°	4.6	6.2	6.5	4.5	6.1	6.8	7.6
60°	3.8	5.2	5.4	3.7	5.1	5.7	6.3
70°	3.3	4.4	4.7	3.2	4.3	4.9	5.4
80°	2.9	3.9	4.1	2.8	3.8	4.3	4.7
90°	2.5	3.5	3.6	2.5	3.4	3.8	4.2
100°	2.3	3.1	3.3	2.2	3.0	3.4	3.8



The **Residential Energy Service Network (RESNET)** recognizes the Home Energy Rating System (HERS) Index as the national system to determine a home's energy performance. The system evaluates a home's energy efficiency and issues a score that rates its overall performance. The lower a home's HERS Index score, the more energy efficient it is.

Hers Index

$$\frac{PE_{\text{frac}} \times 100 \times (E_{\text{heating}} + E_{\text{cooling}} + E_{\text{wh}} + E_{\text{la}})_{\text{rated home}}}{(E_{\text{heating}} + E_{\text{cooling}} + E_{\text{wh}} + E_{\text{la}})_{\text{reference home}}}$$



HOMEBUYERS WANT TO UNDERSTAND THEIR HOME'S ENERGY EFFICIENCY TO:

- 1 Increase savings on energy bills
- 2 Improve home comfort
- 3 Reduce carbon footprint

HOW TO GET AN HERS INDEX SCORE

A certified RESNET HERS Rater calculates a home's HERS Index Score after conducting a home inspection and series of diagnostic tests. Once all of the diagnostic tests have been completed, the rater will use RESNET's Accredited Rating Software to calculate the home's rating.

SOME OF THE ITEMS THE HERS RATER WILL EVALUATE ARE:

- Exterior walls
- Floors in unconditioned spaces like garages or cellars
- Ceilings and roofs
- Attics, foundations and crawlspaces
- Water heating systems
- Windows, doors, vents and ductwork
- HVAC systems and thermostats
- Air leakage



To learn more about the HERS Index, visit resnet.us

UTILITY INCENTIVES



Partnering with State and our family of brands allows you to select a water heater product spec and then find that product locally, from multiple wholesalers and contractors. No matter where you are, or how unique your application, you can find the product from us to meet your needs and achieve your water heater goals.

Residential or commercial, standard or high efficiency, with tankless and even electric heat pump models, State's full line of products gives you the best opportunity to select units that provide added value and help achieve a lower HERS Index

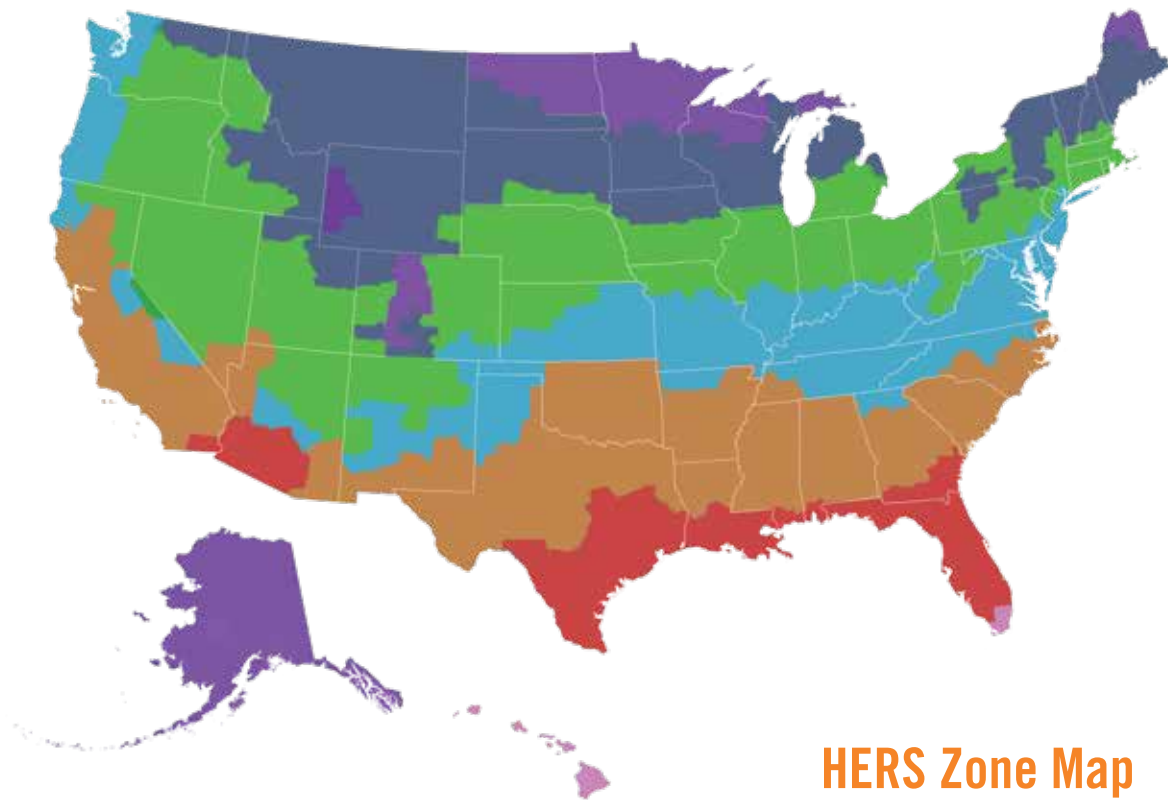
Rating. Include State ENERGY STAR® certified tankless gas or electric heat pump water heaters to build more efficient homes. These models can help you earn between 3 and 6 HERS index score points across all climate zones and home configurations.

Did you know? Utilities in more than 30 States offer builder incentives to reduce the equipment cost of ENERGY STAR® water heaters. Visit www.statewaterheaters.com/support/water-heater-rebates to find rebates in your area. Let us show you specifically what we can do to help upgrade your subdivisions with ENERGY STAR® certified water heating equipment, build more efficient homes, and help your new home buyers save on energy!



Contact Us today at builders@statewaterheaters.com

HOW DO STATE PRODUCTS HELP YOUR HERS RATING



HERS Zone Map

Model Number	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7
Heat Pump							
Premier 50-gallon models	6	6	5	5	6	4	5
Premier 66-gallon models	6	6	4	5	6	4	5
Premier 80-gallon models	6	6	4	5	6	4	5
90%+ Efficiency							
GP6-50-YTPDT	2	2	3	3	4	3	3
GP6-75-YTPDT	3	3	3	3	4	3	3
GP6-50-YTVIT	2	2	3	3	3	3	3
Tankless							
GTS-540-NIH	5	5	4	5	5	4	5
GTS-540P-NIH	5	5	4	5	5	4	5
GTS-510C-NI	4	4	3	3	3	2	3
GTS-510U-I	4	4	3	3	3	2	3
Powered Vent							
GS6-50-YRPDTL	1	2	2	2	2	2	2
GS6-50-YBPDT	1	1	2	2	2	2	2
GS6-75-YRPDTL	2	2	1	2	1	1	1
GS6-75-YRVHTL	2	2	1	2	1	1	1
GS6-40-YBVIS	2	2	2	2	2	1	2
GS6-50-YBVIS	2	2	2	2	2	1	2

Results provided third party by EnergyLogic assuming a 2 story home with no H2O improvements.



For more detail visit statewaterheaters.com/builders

FEATURES AND BENEFITS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.



BLUE DIAMOND® GLASS COATING

Provides superior corrosion resistance compared to industry-standard glasslining.



ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a 1/4 turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.



SELF-CLEANING DIP TUBES

Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.



HEAT TRAP NIPPLES

Helps mitigate standby heat loss. Factory-installed for faster installation.



COREGARD™ ANODE ROD

Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.



ENERGY STAR®

State offers a variety of models that are ENERGY STAR® qualified. Learn more at www.energystar.gov.



SELF-POWERED ELECTRONIC GAS VALVE

State gas water heaters are equipped with a self-powered electronic gas valve with intelligent control logic. The gas valve has an internal microprocessor that provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance. The self-powered electronic gas valve uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source. It also incorporates an LED Status Indicator that monitors system operation and service diagnostics.



T&P RELIEF VALVE

CSA Certified and ASME Rated.



GREEN CHOICE GAS BURNER

Patented eco-friendly burner design reduces NOx emissions up to 33% and complies with low NOx emissions of less than 40 ng/J.

Enhanced Ultra-Low NOx burner complies with SCAQMD Rule 1121 and other air quality management districts with requirements for NOx emissions of less than 10 ng/J.

RESIDENTIAL GAS WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:

Gas Water Heaters

ProLine®

ProLine®
Master

ProLine® XE



OPERATING COST

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\$\$

\$

INSTALLATION SPACE REQUIRED

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■■

■■■

WARRANTY (YEARS)

6

8

6-10

Commercial-Grade Components

Benefits that homeowners love

Blue Diamond® Glass Lining

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DynaClean™ Automatic Sediment-Cleaning System

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Electronic Gas Valve

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Heat Trap Nipples

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Enhanced Flow Brass Drain Valve

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CoreGard™ Anode Rod Protection

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Advanced Anode Protection

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Extended Warranty Kit Available

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ENERGY STAR® Qualified

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Electronic User Interface

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High Efficiency Performance

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Best-In-Class Material and Technology

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Industry-Leading Efficiency

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Flexible Venting for more Install Options

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*Some Models Not Eligible



PREMIER® HIGH EFFICIENCY POWER DIRECT VENT



CONDENSING DESIGN

- Operates at 96% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater
- Equipped with condensate drain tee

HELICAL INTERNAL HEAT EXCHANGER

- Spiral heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle and improve efficiency

ADVANCED ELECTRONIC CONTROL

- Large LCD touchscreen display
- Precise temperature control
- Advanced diagnostics

POWER DIRECT VENT DESIGN

- Combined vertical and horizontal runs terminating through an outside wall. Vents using PVC, CPVC or ABS pipe
 - 2" pipe, vents up to 45 equivalent feet
 - 3" pipe, vents up to 128 equivalent feet

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows the Premier® High Efficiency Power Direct Vent to be installed as part of combination space heating/water heating applications

CODE COMPLIANCE

- Complies with SCAQMD Rule 1146.2 and other air quality management districts with similar requirements for Ultra-Low NOx emissions requirements of 14 ng/J or 20ppm
- Meets UBC, CEC and ICC National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Per Hour	Vent Size	Dimensions in Inches		Approx. Shipping Weight (lbs)
									Height to Top of Heater	Diameter	
GP6-50-YTPDT	50	49	100	0.88	96%	129	100,000	2 or 3	66-3/4	22	255
GP6-75-YTPDT	75	74	130	0.86	96%	129	100,000	2 or 3	64-3/4	27-3/4	382

When ordering propane (LP), change "Y" to "H" in the model number (example GP6-50-HTPDT).
 Water connection is 3/4" on all models.
 All models are certified from sea level to 10,100 ft. elevation.
 Requires 120 VAC power supply.





PREMIER® HIGH EFFICIENCY POWER VENT



POWER VENT DESIGN FOR INSTALLATION VERSATILITY

- Helical internal heat exchanger achieves 90% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater
- Combined horizontal and vertical vent runs terminating through outside wall, using Schedule 40 PVC pipe as follows:
 - 2" pipe allows vent runs up to 25 equivalent feet
 - 3" pipe allows vent runs up to 65 equivalent feet
 - 4" pipe allows vent runs up to 128 equivalent feet

SIDE-MOUNTED TAPS FOR RECIRCULATING SYSTEMS

- Hot and cold "side taps" allow Premier Power Vent to be used for combination space/water heating applications

INTELLI-VENT™* GAS CONTROL WITH SILICON NITRIDE HOT SURFACE IGNITOR

- Premium-grade hot surface ignitor eliminates standing pilot
- Electronic circuitry provides superior system diagnostic capabilities plus extremely precise temperature control

BLUE DIAMOND® GLASS COATING WITH TWO HEAVY DUTY ANODE RODS

- Provides superior corrosion resistance compared to the industry-standard glass lining

GREEN CHOICE® GAS BURNER

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/l

SELF-CLEANING DIP TUBE

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

CODE COMPLIANCE

- Meets UBC, CEC and ICC National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and Current edition of ASHRAE/IES 90.1

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GP6-50-YTVIT	50	48	119	0.88	90%	92	76,000	70-5/8	21	210

Available in natural gas only.

Standard model certified for sea level to 5,300 ft. elevation. Specify high altitude when ordering for use in elevations up to 10,100 ft.

Optional Condensate Neutralizer Kit available (part number 100112380).

*Intelli-Vent™ is a registered trademark of Emerson Electric Company





POLARIS™ HIGH EFFICIENCY



CONDENSING DESIGN

- Operates at up to 96% thermal efficiency which saves money on operating costs compared to a standard 80% efficient gas water heater
- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water

STAINLESS STEEL CONSTRUCTION

- Tank and helical heat exchanger are constructed from 444 stainless steel for excellent corrosion resistance without the need for an anode

QUIET OPERATION

- Quiet blower and burner minimize noise

POWER DIRECT VENT DESIGN

- Direct vent using PVC, CPVC or ABS either thru-the-wall or thru-the-roof

OPTIONAL CONCENTRIC VENT KIT

ADVANCED ELECTRONIC CONTROL

- Large LCD display provides precise temperature control and advanced diagnostics

CODE COMPLIANCE

- Complies with SCAQMD Rule 1146.2 and other air quality management districts with similar requirements for Ultra-Low NOx emissions requirements of 14 ng/J or 20 PPM
- Meets UBC, CEC, and ICC National Codes
- Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IES 90.1

10-YEAR LIMITED TANK AND 1-YEAR LIMITED PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90° Rise Gallon Per Hour	BTU/h Input Gallon Per Hour	Vent Size	Dimensions in Inches			Approx. Shipping Weight (lbs)
									Height to Top of Heater	Height to T&P	Diameter	
GHX-34-100-N	34	33	170	0.90	96%	129	100,000	2 or 3	48-1/2	41	22	150
GHX-34-130-N	34	N/A	N/A	N/A	96%	165	130,000	2 or 3	48-1/2	41	22	150
GHX-34-150-N	34	N/A	N/A	N/A	94%	190	150,000	2 or 3	48-1/2	41	22	150
GHX-50-130-N	50	N/A	N/A	N/A	95%	165	130,000	2 or 3	62-3/8	55	22	176
GHX-50-150-N	50	N/A	N/A	N/A	95%	190	150,000	2 or 3	63-3/4	56-1/4	22	180
GHX-50-175-N	50	N/A	N/A	N/A	96%	222	175,000	3	63-3/4	56-1/4	22	180
GHX-50-199-N	50	N/A	N/A	N/A	96%	253	199,000	3	63-3/4	56-1/4	22	180

When ordering propane (LP), change “-N” to “-P” in the model number (example GHX-50-199-P).
Models certified for sea level to 7,700 ft. elevation.



(All models except GHX-34-150)



PROLINE® XE NON-CONDENSING FLUE DAMPER



AUTOMATIC FLUE DAMPER

- Increases efficiency as it automatically opens and closes to reduce heat loss in the standby mode

ELECTRONIC GAS CONTROL

DIAGNOSTICS

ELECTRONIC IGNITION

SELF-CLEANING DIP TUBE

GREEN CHOICE® GAS BURNER

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/l

COREGARD™ ANODE ROD

ENHANCED-FLOW BRASS DRAIN VALVE

BLUE DIAMOND® GLASS COATING

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.1 - CSA 4.1 standards governing storage tank-type water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches					Approx. Shipping Weight (lbs)
							Foam Thickness	Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood Outlet	
Tall Models												
GS6-40-YBFT	40	38	70	0.64	40,000	42	2	64-1/4	58-1/4	20	3 or 4	152
GS6-50-YBFT	50	48	84	0.69	40,000	42	2	63-1/2	57-1/4	22	3 or 4	167
Short Models												
GS6-40-YBFT	40	38	65	0.66	40,000	42	2	54	47-3/4	22	3 or 4	149
GS6-50-YBFT	50	49	78	0.69	40,000	42	2	55-3/4	49-1/2	24	3 or 4	175

Requires 120 VAC power supply.

Water connection is 3/4" on all models.

When ordering top-mounted T&P valve, add "G" to the model number (example: GS6 40 YBFT G).

All models are certified from sea level to 10,100 ft. elevation.

* GS6 50 YBFS available in natural gas only. All other models available in propane (LP) gas.





PROLINE® XE NON-CONDENSING POWER DIRECT VENT



POWER DIRECT VENT DESIGN

- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene)
- Two-pipe sealed combustion system uses outside air, eliminating problems caused by insufficient indoor ventilation

GREEN CHOICE® GAS BURNER

- Patented eco-friendly gas burner design reduces NOx and complies with Low-NOx emission requirements of less than 40 ng/J

HOT-SURFACE IGNITOR

- More robust and reliable than standing pilot, and reduces energy consumption

SELF-CLEANING DIP TUBE

USER-FRIENDLY

- State-of-the-art electronic gas control provides more precise temperature control
- LED control light displays operation status and diagnostics information

ENHANCED-FLOW BRASS DRAIN VALVE

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

CODE COMPLIANCE:

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA) as amended

DESIGN-LISTED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21. Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Series	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches			Approx. Shipping Weight (lb)
								Height to Top of Blower	Height to Top of Tank	Diameter	
GS6-40-YBPDS	300	40	38	74	0.68	40,000	45	58-1/4	49-5/8	22	174
GS6-50-YBPDT	300	50	48	81	0.72	45,000	50	67-1/2	58-3/4	22	192
GS6-50-YRPDTL-5	300	50	48	118	0.73	62,000*	73	69	60-1/4	22	200
GS6-75-YRPDTL	310	75	72	129	0.68	76,000	82	70-5/8	61-1/2	26	277

When ordering propane (LP), change "Y" to "H" in the model number (example GS6 40 YBPDSL). For side connect models, add "L" to the model number (example: GPDX 50L). Side connections available on YBPDS and YBPDT models. Natural gas models cited are series 300/310. Propane models are series 301/311.

Side connections are standard on YRPDTL models. All models rated for installation at altitudes up to 10,100 ft.





PROLINE® XE NON-CONDENSING POWER VENT



VERSATILE POWER VENT DESIGN

- All models feature an exclusive 3-position rotatable blower outlet which adds flexibility
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ABS, PVC, CPVC and polypropylene)
- All models are equipped with a protected sensor that detects the presence of flammable vapors and automatically disables the burner to prevent ignition
- Air intake snorkel elevates the inlet location of combustion air to prevent flammable vapors from entering the sealed combustion chamber

HOT-SURFACE IGNITOR

- More robust and reliable than standing pilot, and reduces energy consumption

BUILT-IN HEAT TRAPS ON THE WATER INLET AND OUTLET REDUCE THE AMOUNT OF HEAT LOST THROUGH PIPING

2-INCH-THICK, ENVIRONMENTALLY FRIENDLY FOAM INSULATION REDUCES THE AMOUNT OF HEAT LOSS AND CONTRIBUTES TO OVERALL ENERGY EFFICIENCY

USER-FRIENDLY

- State-of-the-art electronic gas control provides more precise temperature control
- LED control light displays operation status and diagnostics information

ENHANCED-FLOW BRASS DRAIN VALVE

AVAILABLE IN NATURAL GAS AND PROPANE

CODE COMPLIANCE:

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA) as amended

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Series	Nominal Capacity	Rated Storage Volume	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lb)
								Height to Top of Blower	Height to Top of Tank	Diameter	
GS6-40-YBVIS	200	40	38	0.67	45	40,000	72	59	49-5/8	22	174
GS6-40-YRVIT	200	40	38	0.70	56	50,000	93	68-1/2	59-1/4	20	176
GS6-50-YBVIS	200	50	49	0.72	45	40,000	93	60-1/8	50-3/4	24	198
GS6-50-YRVIT	200	50	48	0.72	56	50,000	96	68-1/8	58-3/4	22	192
GS6-50-YRVHSL	200	50	50	0.73	69	62,000	108	61-1/8	52	24	212
GS6-75-YRVHTL	210	75	72	0.69	80	76,000	N/A	70-5/8	61-1/4	26	277

All models have 3/4" NPT water connections.
 Side connections standard on YRVHSL and YRVHTL models.
 Side connections available on YRVIT models. Add "L" to the model number (example GS6 40 YRVITL).
 All models rated for installation at altitudes up to 10,100 ft.

Natural gas models cited are 200/210. Propane models are series 201/211. When ordering propane gas, change "Y" to "H" in the model number (example GS6 40 HBVIS).





PROLINE® XE NON-CONDENSING ULTRA-LOW NOx POWER VENT



POWER VENTING MADE SIMPLE

- Thru-the-Wall or Thru-the-Roof power venting using either 2" or 3" PVC, ABS or CPVC vent pipe

INTELLI-VENT™ GAS CONTROL

- Advanced electronics for more precise control of water temperature and easy to understand system diagnostics

COMBINATION THERMOSTAT/ECO

- Utilizes an intermittent ignition gas valve (no standing pilot) with thermistor temperature sensor and built-in high temperature cut off

QUIET AND EFFICIENT BLOWER

- Factory-installed 6-foot power cord with 3-prong male connector provided. Electrical requirements; 110/120 VAC power source, less than 5 amp draw.

SELF-CLEANING DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

COREGARD™ ANODE ROD

GREEN CHOICE® GAS BURNER

- Complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10 ng/l

ENHANCED-FLOW BRASS DRAIN VALVE

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy Conservation Act (EPCA), as amended

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	BTU Input	Dimensions in Inches			Draft Hood	Approx. Shipping Weight (lbs)
							Height to Top of Blower	Height to Top of Tank	Diameter		
GS6-40-UBVIT	40	38	76	0.70	42.6	42,000	58-5/8	66-7/8	20	2 or 3	170
GS6-50-UBVIT	50	48	71	0.65	42.6	42,000	57-7/16	65-5/8	22	2 or 3	207

No option available for Top T&P valve.



RESIDENTIAL TANKLESS WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:



OPERATING COST \$
 INSTALLATION SPACE REQUIRED ■
 WARRANTY (YEARS) 6-10

Model Family	Proline XE Non-Condensing ULN	Proline XE Non-Condensing Concentric Vent	Proline XE Condensing	Proline XE Condensing with Recirc Pump	Proline XE Combi Boiler	Proline XE with X3® Technology
Condensing			●	●	●	●
Non-Condensing	●	●				
Indoor Models	●	●	●	●	●	●
Outdoor Models	●		●	●		●
BTUs	140K-199K	140K-199K	120K-199K	199K	110K-199K	160K-199K
Recirculation Pump - DHW				●		
Recirculation Pump - Hydronic Heating					●	
Concentric Venting		●				
Ultra-Low NOx	●	●	●	●	●	●
Energy Star® Qualified*			●*	●*	●	●*
Scale Prevention Technology						●

*Some Models Not Eligible.
 Hot Water Output, Cost of Operation, & Installation Space Required estimated based on typical applications/installations.
 For a more custom analysis of unique installations, visit hotwater.com and use our product selector tool.



RESIDENTIAL CONDENSING WITH X3® SCALE PREVENTION TECHNOLOGY



Outdoor Model

Indoor Model

NO ANNUAL DESCALING REQUIRED

NO SCALE BUILDUP MEANS THE HEATER MAINTAINS LIKE-NEW PERFORMANCE LONGER

3" VENTING UP TO 70 EQUIVALENT FEET

RECIRC CAPABLE

- Tankless water heaters with X3 Technology are approved to work with an external recirculation pump and cross-over valve. See training manual for full details.

WARRANTY

- No hardwater exclusions in the industry's first "peace of mind" limited warranty
- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on all parts in residential applications
- 1-year limited warranty on heat exchanger and parts in commercial applications
- Refer to hotwater.com for further warranty details

Model Number*	Type	Gas Consumption Input**		Inlet Gas Pressure**		UEF
		Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)	
GTS-540X3-NIH	Natural	15,000	199,000	4.0	10.5	0.93
GTS-540X3-NEH♣	Natural	15,000	199,000	4.0	10.5	0.95
GTS-340X3-NIH♣	Natural	15,000	180,000	4.0	10.5	0.95
GTS-340X3-NEH	Natural	15,000	180,000	4.0	10.5	0.94
GTS-240X3-NIH	Natural	15,000	160,000	4.0	10.5	0.94
GTS-240X3-NEH♣	Natural	15,000	160,000	4.0	10.5	0.95

Model Number*	Maximum GPM	Hot/Cold Connections	Gas Connection	Approx Shipping Weight (lbs)
GTS-540X3-NIH	10	3/4" NPT	3/4" NPT	73
GTS-540X3-NEH	10	3/4" NPT	3/4" NPT	73
GTS-340X3-NIH	8	3/4" NPT	3/4" NPT	72
GTS-340X3-NEH	8	3/4" NPT	3/4" NPT	71
GTS-240X3-NIH	6.6	3/4" NPT	3/4" NPT	72
GTS-240X3-NEH	6.6	3/4" NPT	3/4" NPT	71

*For propane models, change "N" to "P"

**For propane models, minimum fire is 13,000 BTU/H, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

♣ENERGY STAR® Qualified



Select models



ANSI Z21.10.3

CSA 4.3



PROLINE® XE COMBI BOILER



INDOOR INSTALLATION ONLY

ULTRA-LOW NOX EMISSIONS

- Complies with SCAQMD Rule 1146.2 NOx Emission Requirements Of 14 ng/J or 20 PPM

MODULATING BURNER WITH 10:1 TURNDOWN RATIO

- Continuously adjusts the firing rate to match demand for maximum comfort and system efficiency

ELECTRONIC USER INTERFACE

- User-friendly electronic interface allows easy control of temperature, system setting and operating mode
- Advanced diagnostics convey error messages for service purposes

POWER DIRECT VENT DESIGN

- Two-pipe sealed combustion system uses outside air, eliminating problems caused by insufficient indoor ventilation

DOMESTIC HOT WATER FLOW RATE UP TO 4.8 GPM AT 77°F TEMPERATURE RISE

50 PSI MAX PRESSURE (BOILER); 150 PSI MAX PRESSURE (DHW)

WARRANTY

- 10-year limited warranty on heat exchanger in residential applications
- 5-year warranty on all parts
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number*	Gas Consumption Input		Minimum in. W.C. †	Maximum in. W.C.	AFUE%	Heating Capacity BTU/H	Net AHRI Rating BTU/H	GPM at 77°F Rise	Water Connections		Gas Connection	Approx. Shipping Weight (lbs)
	Minimum BTU/H	Maximum BTU/H							Space Heating	DHW		
SCB-110S-N	11,000	110,000	4.0	14.0	95.0	102,000	89,000	2.6	1" NPT	3/4" NPT	1/2" NPT	139
SCB-150S-N	15,000	150,000	4.0	14.0	95.0	139,000	121,000	3.6	1" NPT	3/4" NPT	1/2" NPT	142
SCB-199S-N	19,900	199,000	4.0	14.0	95.0	185,000	161,000	4.8	1" NPT	3/4" NPT	1/2" NPT	159

*S Models can operate up to 4,500'. For high altitude (3,000' - 9,600'), change S to H. For liquid propane (LP), change N to P.

†For LP, minimum supply pressure is 8.0 in. W.C.

Indoor installation only.



ANSI Z21.10.3

CSA 4.3



PROLINE® XE CONDENSING WITH RECIRCULATION PUMP



Outdoor Model

Indoor Model

INTEGRATED RECIRCULATION PUMP

- 1/2" pipe - 200'
- 3/4" pipe - 500'

PUMP CONTROLS

- Included with heater
- Two timer settings
- Adjustable differential settings

ENERGY STAR® QUALIFIED*

ULTRA-LOW NOx EMISSIONS

- Complies with SCAQMD 1146.2 NOx emission requirements of 14 ng/J or 20 PPM

INDOOR MODELS

- Include integrated temperature and pump controls with advanced diagnostics that simplify installation and troubleshooting
- Factory-installed power cord

OUTDOOR MODELS

- Includes a wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting

COMMON VENT INDOOR MODELS

EASY-LINK 540P WITH THREE OTHER 540H TO INCREASE FLOW RATE

SAFETY FEATURES:

- Air-Fuel Ratio (AFR) Sensor
- Exhaust & Water Temperature Safety Control
- Overheat Cut-Off Fuse

INTERNAL FREEZE PROTECTION SYSTEM

WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF‡	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
GTS-540P-NIH	Natural	15,000	199,000	4.0	10.5	0.93	0.95	3/4" NPT	3/4" NPT	3	4.5	12	12	3	4	71

* For outdoor models, change "NIH" to "NEH". For propane models, change "N" to "P".

** For propane models, minimum is 13,000.

*** For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise.

‡ Warm climate represents 50°F temperature rise.

♣ GTS-540P-NEH and GTS-540P-PEH are ENERGY STAR® Qualified



Select models

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PROLINE® XE CONDENSING HIGH EFFICIENCY



Indoor Model

Outdoor Model



Indoor Model

Outdoor Model

ENERGY STAR® QUALIFIED*

CONDENSING TECHNOLOGY PROVIDES UP TO 0.95 UEF

ULTRA-LOW NO_x EMISSIONS

- Complies with SCAQMD Rule 1146.2 NO_x emission requirements of 14 ng/J or 20 PPM

HEAT EXCHANGER

- Primary heat exchanger of the GTS-140 is constructed of copper for excellent heat transfer and reduced pressure drop across the heat exchanger
- Secondary heat exchanger is made of marine-grade 316L stainless steel to protect against corrosion

MAXIMUM FLOW RATES UP TO 10.0 GPM

INDOOR MODELS

- Include integrated temperature controls and advanced diagnostics to simplify troubleshooting
- Include factory-installed power cords

OUTDOOR MODELS

- Include wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting

SAFETY FEATURES

- Air-fuel Ratio (AFR) Sensor
- Exhaust and water temperature safety control
- Overheat cut-off fuse

INTERNAL FREEZE PROTECTION SYSTEM

POWER VENT OR POWER DIRECT VENT DESIGN

PROVIDES FLEXIBLE VENTING WITH PVC, CPVC, OR ABS PIPE FOR INTAKE AND EXHAUST (SOLID CORE ONLY)

WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure***		Indoor Model UEF	Outdoor Model UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum** (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)			Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
GTS-140-NIH	Natural	15,000	120,000	4.0	10.5	0.90	0.91	3/4" NPT	1/2" NPT	1.5	2.5	12	12	3	4	54
GTS-240H-NIH	Natural	15,000	160,000	4.0	10.5	0.94	0.95♣	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	71
GTS-340H-NIH	Natural	15,000	180,000	4.0	10.5	0.95♣	0.94	3/4" NPT	3/4" NPT	2.5	4	12	12	3	4	71
GTS-540H-NIH	Natural	15,000	199,000	4.0	10.5	0.93	0.95♣	3/4" NPT	3/4" NPT	3	4.5	12	12	3	4	71

*For outdoor models, change "NIH" to "NEH". For propane models, change "N" to "P".

**For propane models, minimum is 13,000.

***For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise.

‡ Warm climate represents 50°F temperature rise.

♣ ENERGY STAR® Qualified



Select models



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PROLINE® XE NON-CONDENSING ULTRA-LOW NO_x



Outdoor Model

Indoor Model

ULTRA-LOW NO_x EMISSIONS

- Complies with SCAQMD Rule 1146.2 NO_x emission requirements of 14 ng/J or 20 PPM

FIELD CONVERTIBLE FROM NATURAL GAS TO PROPANE

MAXIMUM FLOW RATES UP TO 10.0 GPM

COPPER PRIMARY HEAT EXCHANGER

- Primary heat exchanger of the GTS-510U is constructed of a commercial-grade copper that is more resilient to erosion
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperatures quicker and reducing pressure drop across the heat exchanger

INDOOR MODELS

- Include integrated temperature controls and advanced diagnostics to simplify troubleshooting
- Include factory-installed power cords

OUTDOOR MODELS

- Include a wall mount temperature remote controller and advanced diagnostics to simplify troubleshooting

GTS-510U CAN BE USED IN BOTH RESIDENTIAL AND COMMERCIAL APPLICATIONS

- Easy-Link up to 4 units
- Multi-Link up to 20 units

SAFETY FEATURES

- Air-Fuel Ratio (AFR) Sensor
- Exhaust and water temperature safety control
- Overheat cut-off fuse

INTERNAL FREEZE PROTECTION

POWER VENT OR POWER DIRECT VENT DESIGN

WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number*	Type	Gas Consumption Input		Inlet Gas Pressure**		UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
		Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
GTS-110U-I-200	Natural	15,000	140,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	1.5	2.5	12	12	3	4	39
GTS-310U-I-200	Natural	15,000	190,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	39
GTS-510U-I-200	Natural	15,000	199,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	40

*For outdoor models, change "I" to "E". Units are field convertible from natural gas to propane with supplied conversion kit.

**For propane, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise.

‡ Warm climate represents 50°F temperature rise.



(510U model only)



ANSI Z21.10.3



PROLINE® XE NON-CONDENSING CONCENTRIC VENT



CONCENTRIC VENT DESIGN

- Power direct vent
- Vertical or horizontal venting up to 43'

FIELD CONVERTIBLE FROM NATURAL GAS TO PROPANE

ULTRA-LOW NO_x EMISSIONS

- Complies with SCAQMD Rule 1146.2 NO_x emission requirements of 14 ng/J or 20 PPM

MAXIMUM FLOW RATES UP TO 10.0 GPM

PRIMARY HEAT EXCHANGER

- Primary heat exchanger of the GTS-510C is constructed of a commercial-grade copper that is more resilient to erosion
- Copper is 25x better at heat transfer than stainless steel thus stabilizing outgoing water temperatures quicker and reducing pressure drop across the heat exchanger

INDOOR MODELS ONLY

- Include integrated temperature controls and advanced diagnostics to simplify troubleshooting
- Include factory-installed power cords

GTS-510C CAN BE USED IN BOTH RESIDENTIAL AND COMMERCIAL APPLICATIONS

- Easy-Link up to 4 units
- Multi-Link up to 20 units

SAFETY FEATURES

- Air-Fuel Ratio (AFT) sensor
- Water temperature safety control
- Overheat cut-off fuse

INTERNAL FREEZE PROTECTION

WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 5-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number*	Gas Consumption Input		Inlet Gas Pressure**		UEF	Connections		Sizing Chart (Number of Showers)		Clearances (in.)				Approx Shipping Weight (lbs)
	Minimum (BTU/H)	Maximum (BTU/H)	Minimum (in. W.C.)	Maximum (in. W.C.)		Water	Gas	Cold Climate†	Warm Climate‡	Top	Bottom	Side	Front	
GTS-310C-N	15,000	190,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	55
GTS-510C-N	15,000	199,000	4.0	10.5	0.81	3/4" NPT	3/4" NPT	2.5	3.5	12	12	3	4	55

*Indoor models only. Units are field convertible from natural gas to propane with supplied conversion kit.

**For propane models, minimum inlet gas pressure is 8.0 in. W.C. and maximum inlet gas pressure is 14.0 in. W.C.

† Cold climate represents 70°F temperature rise

‡ Warm climate represents 50°F temperature rise



(510c model only)



ANSI Z21.10.3

RESIDENTIAL ELECTRIC WATER HEATERS

PREMIUM FEATURES. COMMERCIAL-GRADE COMPONENTS.

PREMIUM FEATURES:

Electric Water Heaters



	ProLine®	ProLine® Master	ProLine® XE
OPERATING COST	\$\$\$	\$\$	\$
INSTALLATION SPACE REQUIRED	■ to ■■	■■	■■■
WARRANTY (YEARS)	6	8	10

Commercial-Grade Components
Benefits that homeowners love

Blue Diamond® Glass Lining	●	●	●
DynaClean™ Automatic Sediment-Cleaning System	●	●	●
Heat Trap Nipples	●	●	●
Enhanced Flow Brass Drain Valve	●	●	●
CoreGard™ Anode Rod Protection	●	●	●
Advanced Anode Protection		●	●
Stainless Steel Upper Element	●	●	
Dual Stainless Steel Element		●	
Extended Warranty Kit Available	●	●	●*
Electronic User Interface		●*	●
iCOMM® Remote Connectivity		●*	●
ENERGY STAR® Qualified			●
Exceptional Efficiency			●
Best-In-Class Material and Technology			●

*Some Models Not Eligible



PREMIER® AL SMART HYBRID ELECTRIC HEAT PUMP



LEAK PROTECTION TECHNOLOGY

- Smart anode adapts to local water conditions to protect and extend the life of the water heater
- User is notified when the anode is consumed and needs to be replaced
- Smart sensor alerts user in the event a leak does occur for added peace of mind
- Compatible with accessory automatic water shutoff valve for enhanced protection

EXCEPTIONAL ENERGY EFFICIENCY

- Improved efficiency up to 3.88 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 75%*
- ENERGY STAR® certified for many state and local utility rebates

iCOMM® SMART CONNECTIVITY

- Monitor and control your water heater through the free State Water Heaters app
- Connect through a local Wi-Fi network or directly to the water heater through Bluetooth
- If applicable download the Time of Use schedule of your local electric utility to prioritize heating when the rates are most affordable
- Receive alerts and notifications

FLEXIBLE DESIGN

- Top and front water connections for easy installation
- Zero clearance required on sides and back to fit in tighter spaces
- Integrated ducting adapters for installations in confined spaces

QUIET OPERATION

- Whisper-quiet operation at 45 dBA

ELECTRONIC CONTROLS

- User-friendly electronic interface allows easy control of temperature, operating mode and diagnostics
- Select from Heat Pump, Hybrid or Electric modes to match hot water demand.
- Vacation mode can reduce energy use while you are away.
- Long-lasting 4500W backup elements can supplement the heat pump depending on operating mode, environmental conditions and hot water demand

CODE COMPLIANCE

- NEEA Tier 4
- California Title 24 JA13 Qualified
- CTA-2045 (AC)
- OpenADR 2.0b VEN
- Meets IBC and HUD Codes

10-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

*Comparing 80-gallon Voltex AL heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates. Savings may vary.

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
HPSX-50-DHPT	50	46	3.80	65	63	40-1/2	22	196
HPSX-66-DHPT	66	67	3.70	82	61-1/2	38-1/4	26-1/2	284
HPSX-80-DHPT	80	82	3.88	95	69	46-1/2	26-1/2	302

Requires 208/240 VAC 50/60Hz single phase power and 30 amp breaker.
Top T&P option not available on this model.





PROLINE® XE HYBRID ELECTRIC HEAT PUMP



INCREASED ENERGY EFFICIENCY

- Reduce water heating costs up to 73% compared to a standard electric water heater
- Up to a 3.45 UEF conserves energy and meets ENERGY STAR® qualifications

ELECTRONIC USER INTERFACE

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics
- Advanced diagnostics convey error messages for service purposes. The last four error messages are saved in the control system memory.
- Smart grid connectivity options available to meet California Title 24-JA13 and utility demand response programs

CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand
- Hybrid mode offers the best combination of efficiency and hot water delivery by primarily using the heat pump and only using the backup elements when needed
- Vacation mode reduces operating costs and provides freeze protection during extended absence. Programmable up to 99 days to have hot water available when you return.

BACKUP ELECTRIC ELEMENTS

- Long-lasting 4500W backup heating elements provide faster recovery during periods of high hot water use

DRY FIRE PROTECTION

- Control system ensures the tank is full of water during start up to prevent damage

DUAL VOLTAGE CAPABLE

- 208/240 VAC 60Hz capable for use in almost any residential application

OTHER FEATURES

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning
- Optional air duct adapter kit (part 100234320) is available for confined space installations

10-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
HPX-50-DHPTNE	50	46	3.45	66	63	40-5/8	22	196
HPX-66-DHPTNE	66	67	3.45	79	61	38	27	289
HPX-80-DHPTNE	80	82	3.45	86	69	46	27	307

Requires 30 amp breaker.
Top T&P option not available.





PROLINE® XE HYBRID ELECTRIC HEAT PUMP



INCREASED ENERGY EFFICIENCY

- Reduce water heating costs up to 73% compared to a standard electric water heater
- Up to a 3.45 UEF conserves energy and meets ENERGY STAR® qualifications

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CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions and hot water demand
- Hybrid mode offers the best combination of efficiency and hot water delivery by primarily using the heat pump and only using the backup elements when needed
- Vacation mode reduces operating costs and provides freeze protection during extended absence. Programmable up to 99 days to have hot water available when you return.

BACKUP ELECTRIC ELEMENTS

- Long-lasting 4500W backup heating elements provide faster recovery during periods of high hot water use

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- Control system ensures the tank is full of water during start up to prevent damage

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- 208/240 VAC 60Hz capable for use in almost any residential application

OTHER FEATURES

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning
- Optional air duct adapter kit (part 100234320) is available for confined space installations

6-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Height to Top of Tank	Height to T&P	Diameter	
HP6-50-DHPT	50	46	3.35	66	63	40-5/8	22	196
HP6-66-DPHT	66	67	3.42	79	61	38	27	289
HP6-80-DHPT	80	82	3.45	84	69	46	27	307

Requires 30 amp breaker.
Top T&P option not available.





PROLINE® MASTER SMART ELECTRIC



ELECTRONIC CONTROLS WITH WIFI CONNECTIVITY

- Standard and vacation operating modes
- Seven-segment display
- Diagnostic feedback
- Element "Dry-Fire" protection

REMOTE CONTROL THROUGH THE STATE APP

- Change water temperature and operating mode remotely
- Schedule hot water demand for optimized performance

LEAK DETECTION SENSOR

- Sounds an audible alarm when water is detected

AUTOMATIC SHUT-OFF VALVE

- Closes valve on incoming cold water inlet when leak is detected

ENHANCED HEATING ELEMENTS

- Dual 5500 watt elements for the fastest recovery and reliable operation
- Stainless steel elements last longer than standard copper elements

HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a high Uniform Energy Factor (UEF) that maximizes savings on operating costs

COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation
- Standards effective April 16, 2015, in accordance with the Energy Policy and
- Conservation Act (EPCA), as amended

8-YEAR LIMITED TANK AND PARTS WARRANTY

- 4 year warranty extension available
- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models											
EE8-40-DFRT	40	36	63	0.93	25	5500	5500	60-1/4	53-1/4	20	106
EE8-50-DFRT	50	45	74	0.92	25	5500	5500	51-1/4	51-1/4	20-1/2	109
EE8-55-DFRT	55	55	75	0.94	25	5500	5500	48-1/2	48-1/2	24	145
Short Models											
EE8-40-DFRS	40	37	64	0.92	25	5500	5500	49-3/4	40-3/4	20-1/2	95
EE8-50-DFRS	50	46	67	0.92	25	5500	5500	49-3/4	40-1/4	23	117

3/4" water connections on 8" center.
 Only available for 240V or 208V applications. Equipped as dual element only, no single element configurations available. Minimum wattage available is 4,500 watt elements.
 Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.





PROLINE® MASTER ATMOSPHERIC VENT



INTELLIGENT CONTROL LOGIC

- The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance
- Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source
- The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics

Not available on 60,000 BTU input models (GW8 55 RCT)

SELF CLEANING DIP TUBE

COREGARD™ ANODE ROD

- ProLine® Master products have increased anode protection with either longer, or multiple anodes depending on model

PUSH-BUTTON PIEZO IGNITOR

ENHANCED-FLOW BRASS DRAIN VALVE

HEAT TRAP NIPPLES

BLUE DIAMOND® GLASS COATING

- Blue Diamond® Glass Coating blend is formulated in the same lab that creates the protection for our industry-leading commercial product line

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters

8-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Gallon Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	BTU Input Propane Gas	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
Tall Models												
GW8-40-BCT	40	38	80	0.64	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
GW8-50-BRT	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
GW8-50-BCT	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
GW8-50-RCT*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
GW8-55-XCT*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
GW8-40-BCS	40	38	67	0.59	40,000	36,000	41	51-1/2	48	22	3 or 4	135
GW8-50-BCS	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection - 3/4" on all models.

*Optional side-mounted recirculating taps, add "L" to the suffix in the model number (GS6 50 RCTL).

All models approved for installation from sea level to 10,100 ft. elevation.





PROLINE® MASTER ULTRA-LOW NOx



THE ELECTRONIC GAS CONTROL INCORPORATES AN LED STATUS INDICATOR THAT MONITORS SYSTEM OPERATION AND SERVICE DIAGNOSTICS

HIGH UNIFORM ENERGY FACTORS (UEF)

- Eco-friendly non-CFC foam insulation, heat traps and specially designed combustion chamber combine to produce a high UEF for maximum savings on operating costs

GREEN CHOICE® GAS BURNER

- Enhanced Ultra-low NOx burner complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NOx emissions of less than 10 ng/J

SELF-CLEANING DIP TUBE

COREGARD™ ANODE ROD

- ProLine® Master products have increased anode protection with either longer, or multiple anodes depending on model

PUSH-BUTTON PIEZO IGNITOR

HEAT TRAP NIPPLES

BLUE DIAMOND® GLASS COATING

- Blue Diamond® Glass Coating blend is formulated in the same lab that creates the protection for our industry-leading commercial product line.

ENHANCED-FLOW BRASS DRAIN VALVE

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy Conservation Act (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters

8-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)	
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood		
Tall Models												
GW8-40-BRUT	40	38	72	0.64	40,000	41	62	58-1/4	18	3 or 4	125	
GW8-40-BCUT	40	38	81	0.64	40,000	41	62	58-1/4	20	3 or 4	125	
GW8-50-BRUT	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 or 4	148	
GW8-50-BCUT	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 or 4	148	
GW8-50-RCUTL*	50	48	91	0.60	50,000	51	61	57-1/2	22	4	177	
Short Models												
GW8-40-BCUS	40	38	72	0.57	40,000	41	51-1/2	47-3/4	22	3 or 4	138	

All models may be ordered from the factory with top T&P valve as an option by adding "G" to the suffix of the model number (example GW8 40 BCUTG).

*Side loop connections are standard on model GW8 50 RCUTL.

*Most models approved for installation from sea level to 7,700 ft. elevation (except GW8 50 RCUTL, approved to 5,400 ft.).





PROLINE® MASTER STANDARD ELECTRIC



COMMERCIAL-GRADE HEATING ELEMENTS

- Dual 4500 watt elements for faster recovery and reliable operation
- Incoloy stainless steel upper and lower elements lasts longer than standard copper elements

BLUE DIAMOND® GLASS COATING

- Blue Diamond® Glass Coating blend is formulated in the same lab that creates the protection for our industry-leading commercial product line

HIGH UNIFORM ENERGY FACTORS (UEF)

SELF CLEANING DIP TUBE

COREGARD™ ANODE ROD

- ProLine® Master products have increased anode protection with either longer, or multiple anodes depending on model

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended

APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing

DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to UL174 standards governing storage tank-type water heaters

8-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating Gallon	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models											
EN8-40-DORT	40	36	53	0.92	21	4500	6000	61-1/4	53-1/4	18	118
EN8-50-DORT	50	46	62	0.92	21	4500	6000	60-1/2	51-1/4	20-1/2	125
EN8-55-DORT	55	55	72	0.93	21	4500	6000	56-1/2	48-1/2	24	145
Short Models											
EN8-40-DORS	40	37	55	0.92	21	4500	6000	50	40-3/4	20-1/2	109
EN8-50-DORS	50	46	57	0.92	21	4500	6000	49-3/4	40-3/8	23	161

3/4" water connections on 8" center only available for 240V or 208V applications.





PROLINE® ATMOSPHERIC VENT



INTELLIGENT CONTROL LOGIC

- The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance
- Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source
- The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics

*Not available on 60,000 BTU input models (GCRX-50 and GCRX-55)

SELF CLEANING DIP TUBE

COREGARD™ ANODE ROD

PUSH-BUTTON PIEZO IGNITOR

ENHANCED-FLOW BRASS DRAIN VALVE

HEAT TRAP NIPPLES

BLUE DIAMOND® GLASS COATING

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act, (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Gallon Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	BTU Input Propane Gas	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
								Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood	
Tall Models												
†GS6-30-ORBT	30	29	69	0.61	35,500	32,000	37	61-1/2	58	16	3 or 4	123
GS6-30-OCT	30	29	69	0.60	35,500	32,000	37	61-1/2	58	18	3 or 4	132
‡GS6-40-OCT	40	38	65	0.59	35,500	N/A	38	61-3/4	58-1/4	20	3 or 4	138
†GS6-40-BRBT	40	38	78	0.65	40,000	36,000	42	61-3/4	58-1/4	18	3 or 4	130
GS6-40-BCT*	40	38	80	0.64	40,000	36,000	42	61-3/4	58-1/4	20	3 or 4	138
GS6-50-BRT*	50	48	81	0.62	40,000	37,000	41	60-3/4	57-1/4	21	3 or 4	148
GS6-50-BCT*	50	48	84	0.62	40,000	37,000	43	60-3/4	57-1/4	22	3 or 4	165
GS6-50-RCT*	50	48	89	0.61	50,000	45,000	54	60-3/4	57-1/4	22	4	165
†GS6-50-XCT*	50	49	99	0.61	60,000	54,000	65	65-1/2	61	22	4	182
GS6-55-XCT*	55	55	83	0.62	60,000	54,000	65	59-3/4	55-1/4	24	4	185
Short Models												
†GS6-30-ORBS	30	28	68	0.58	35,500	32,000	37	50	46-1/2	18	3 or 4	114
GS6-30-OCS	30	28	66	0.59	35,500	32,000	36	50	46-1/2	20	3 or 4	108
†GS6-40-BRBS	40	38	68	0.57	40,000	36,000	41	51-1/2	48	20	3 or 4	134
GS6-40-BCS	40	38	67	0.58	40,000	36,000	41	51-1/2	48	22	3 or 4	135
GS6-50-BCS	50	50	81	0.62	40,000	40,000	43	53-1/4	49-3/4	24	3 or 4	177

Water connection is 3/4" on all models. †Optional side-mounted recirculating taps, add "L" to the suffix in the model number (GS6 40 RCTL).

† Models ship with supplied insulation blanket. † For 10-year tank and 10-year parts limited warranty, change "6" to "X" in the model number (example: GSX 30 OCT).

All models approved for installation from sea level to 10,100 ft. elevation. † ‡ LP models not available on GS6 40 OCT.





PROLINE® ULTRA-LOW NO_x



THE ELECTRONIC GAS CONTROL INCORPORATES AN LED STATUS INDICATOR THAT MONITORS SYSTEM OPERATION AND SERVICE DIAGNOSTICS

HIGH UNIFORM ENERGY FACTORS (UEF)

- Eco-friendly non-CFC foam insulation, heat traps and specially designed combustion chamber combine to produce a high UEF for maximum savings on operating costs

GREEN CHOICE® GAS BURNER

- Enhanced Ultra-low NO_x burner complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NO_x emissions of less than 10 ng/J

SELF-CLEANING DIP TUBE

COREGARD™ ANODE ROD

PUSH-BUTTON PIEZO IGNITOR

HEAT TRAP NIPPLES

BLUE DIAMOND® GLASS COATING

ENHANCED-FLOW BRASS DRAIN VALVE

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy Conservation Act (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Natural Gas	Recovery @ 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)	
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Draft Hood		
Tall Models												
GS6-30-ORUT	30	29	62	0.59	33,000	34	61-3/4	58	16	3 or 4	126	
GS6-40-BRUT	40	38	72	0.55	40,000	41	62	58-1/4	18	3 or 4	125	
GS6-40-BCUT	40	38	81	0.64	40,000	41	62	58-1/4	20	3 or 4	125	
GS6-50-BRUT	50	48	84	0.61	40,000	42	60-3/4	57-1/4	20	3 or 4	148	
GS6-50-BCUT	50	48	84	0.64	40,000	42	60-3/4	57-1/4	22	3 or 4	148	
GS6-50-RCUT*	50	48	91	0.60	50,000	51	64	57-1/2	22	4	177	
Short Models												
GS6-40-BCUS	40	38	72	0.57	40,000	41	51-1/2	47-3/4	22	3 or 4	138	

All models may be ordered from the factory with top T&P valve as an option by adding "G" to the suffix of the model number (example GS6 30 ORUTG).

*Side loop connections are standard on model GS6 50 RCUT.

Most models approved for installation from sea level to 7,700 ft. elevation (except GS6 50 RCUT which is approved to 5,400 ft.).





PROLINE® STANDARD ELECTRIC



ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for faster recovery and reliable operation
- Incoloy stainless steel lower element lasts longer than a standard copper element

HIGH UNIFORM ENERGY FACTORS (UEF)

SELF CLEANING DIP TUBE

COREGARD™ ANODE ROD

- Increased anode protection with either longer or multiple anodes depending on model

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended

APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing

DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to UL174 standards governing storage tank-type water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
						Standard	Maximum	Height to Top of Tank	Height to T&P	Diameter	
Tall Models											
†ENG-30-DORT	30	27	48	0.89	21	4500	6000	46-1/2	39-1/2	19	95
†ENG-40-DORT	40	36	53	0.92	21	4500	6000	61-1/4	53-1/4	18	118
†ENG-50-DORT	50	46	62	0.92	21	4500	6000	60-1/2	51-1/4	20-1/2	125
†ENG-55-DORT	55	55	72	0.93	21	4500	6000	56-1/2	48-1/2	24	145
Short Models											
ENG-30-DOBS*	30	27	50	0.90	21	4500	6000	39	30-1/2	20	95
†ENG-30-DORS	30	27	47	0.89	21	4500	6000	39-3/4	30-1/2	22	94
†ENG-40-DORS	40	37	55	0.92	21	4500	6000	49-3/4	40-3/4	20-1/2	109
†ENG-50-DORS	50	46	57	0.92	21	4500	6000	49-1/4	40-3/8	23	161
Lowboy Top Connect Models											
ENG-30-DOLBS*	28	26	46	0.89	21	4500	6000	30	21-3/4	20	90
†ENG-30-DOLS	28	26	46	0.90	21	4500	6000	30	21-3/4	22	115
†ENG-36-DOLS	36	33	51	0.92	21	4500	6000	32	24	24	118
†ENG-40-DOLS	38	35	49	0.89	21	4500	6000	33 1/2	24	26	118
ENG-40-DOLBS*	38	35	47	0.93	21	4500	6000	32	24	23	118
†ENG-50-DOLBS*	48	44	60	0.93	21	4500	6000	34	25	26-1/2	172
†ENG-50-DOLS	51	48	54	0.92	21	4500	6000	36	25	26-1/2	172

3/4" water connections on 8" center.

*Models ship with supplied insulation blanket.

†For 10-year tank and 10-year parts limited warranty, change "N6" to "SX" in Select models and "R" to "N" in tall and short model numbers (example: ESX 40 DONT).

Only available for 240V or 208V applications.

ENG 20 SOLS is a single element configuration only.

Top T&P is not available on the 10 year lowboy models.



Low Lead Content



PROLINE® DIRECT VENT



DIRECT VENT DESIGN

- One-pipe, dual-channel closed system draws all make-up air from outside the home, eliminating problems caused by insufficient indoor ventilation and is FVIR compliant
- Horizontal air intake and venting on all models up to 80 inches from outside wall with no electrical power needed

INTELLIGENT CONTROL LOGIC

GREEN CHOICE® GAS BURNER

- Patented eco-friendly gas burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J

SELF-CLEANING DIP TUBE

COREGARD™ ANODE ROD

PUSH BUTTON PIEZO IGNITOR

HEAT TRAP NIPPLES

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended

DESIGN-CERTIFIED BY CSA INTERNATIONAL

- Certified at 300 psi test pressure and 150 psi working pressure. Listed according to ANZI Z21.10.1-CSA 4.1 standards governing storage tank-type gas water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Input BTU Per Hour	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Vent Outlet	
GS6-40-YBDS	40	39	64	0.60	38,000	41	64	49-3/4	22	Co-Axial	178
GS6-50-YBDS	50	48	77	0.66	40,000	43	73	59	22	Co-Axial	200
GS6-50-YRDS	50	48	83	0.65	47,000	51	74	60	22	Co-Axial	215

Dual-channel system has 3" vent pipe inside 6" air intake pipe, for the 40 and 50-gallon models. Water connection is 3/4" male on 8" center.

*Allow 29" for front to back dimension for gas control and air intake pipe at the rear of the heater.

No option available for top T&P.

All models are available in propane (LP) gas (series 301).

All models are certified from sea level to 7,700 ft. elevation.

All models available with side connections. Add "L" to the model number, example GS6 40 YBDS L.





PROLINE® ULTRA-LOW NO_x DIRECT VENT



FLAMMABLE VAPOR RESISTANT/DIRECT VENT SEALED COMBUSTION SYSTEM

DURABLE, ULTRA-LOW NO_x BURNER CONSTRUCTION

NON-CFC FOAM INSULATION

- The tank is surrounded by a thick coat of non-CFC polyurethane foam to trap heat inside the tank, saving energy

3/4" TOP WATER CONNECTIONS AND SIDE SPACE HEATING CONNECTIONS

1/2" GAS CONNECTION

COREGARD™ ANODE ROD

BLUE DIAMOND® GLASS COATING

ENHANCED-FLOW BRASS DRAIN VALVE

GREEN CHOICE® GAS BURNER

- Complies with SCAQMD Rule 1121 and other air quality management districts with similar requirements for NO_x emissions of less than 10 ng/J

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	BTU Input Per Hour	Recovery 90°F Rise Gallon Per Hour	Dimensions in Inches				Approx. Shipping Weight (lbs)
							Height to Top of Draft Hood	Height to Top of Tank	Diameter	Concentric Vent Connection	
GS6-40-UBDS-L	40	28	52	0.59	36,000	39	65-1/4	50-1/2	22	3 and 5	179
GS6-50-UBDT-L	50	48	76	0.65	38,000	41	73-1/2	58-1/2	22	3 and 5	193

No option available for top T&P valve.

All models have 3/4" top water connections and come standard with side loop fittings.

All models are certified from sea level to 7,700 ft. elevations.





PROLINE® SPECIALTY



Table Top

Point-Of-Use



Compact

Lowboy

APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing

LOWBOY

- Side water connections for applications where hand-room is limited

TABLE TOP

- Features a convenient flat porcelain surface at 36" height, providing extra "counter space" wherever installed. All plumbing and electrical connections are made through the back of the water heater. This heater is equipped with a PEX cross-linked polymer dip tube.

POINT-OF-USE

- Designed for low-demand, such as office lavatories or buildings with remote restrooms

COMPACT

- Side-mounted plumbing and electrical connections (optional top-mounted water connections for field conversion). Designed for installation under a counter, in a crawl space or in other tight spaces.

ENHANCED-FLOW BRASS DRAIN VALVE

CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended

DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure
- Listed according to UL174 standards governing storage tank-type water heaters

6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to statewaterheaters.com

Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Element Wattage		Recovery @ 90°F Rise Gallons Per Hour	Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum		A	B	C	
Compact Models						120V	240V				
ES6-6-SOMS-K	6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
ES6-10-SOMS-K	10	9	N/A	N/A	1650	6000	8	18-1/4	12-1/4	16	41
ES6-20-SOMS-K	19	17	N/A	N/A	2500	6000	11	24-3/4	18-5/8	18	68
ES6-20-SOMT-K	19.9	18	N/A	N/A	2500	6000	11	31-5/8	25-3/4	16	68
Lowboy Side-Connect Model						240V					
EN6-30-DOMBS*	28	26	47	0.90	4500	6000	21	30	21-3/4	22	101
EN6-30-DOMS	28	26	43	0.91	4500	6000	21	31-1/4	21-3/4	24	115
EN6-40-DOMBS*	38	35	57	0.94	4500	6000	21	31-3/4	24	24	118
EN6-40-DOMS	38	35	54	0.93	4500	6000	21	33-1/2	24	26	118
Table Top Model						240V					
EN6-38-20TT	38	35	55	0.90	4500	5500	21	36	24	25	150
Point-Of-Use-Models						120V					
ES6-2-SMT	2.5	2.6	N/A	N/A	1440 @ 120V		7	14-1/2	10 3/8	11 3/4	17
ES6-4-SMT	4	3.8	N/A	N/A	1440 @ 120V		7	19-1/4	10 3/8	11 3/4	20
ES6-6-SMT	6	5.9	N/A	N/A	1440 @ 120V		7	20	12 1/2	13-3/4	24

*Models ship with a supplied insulation blanket.

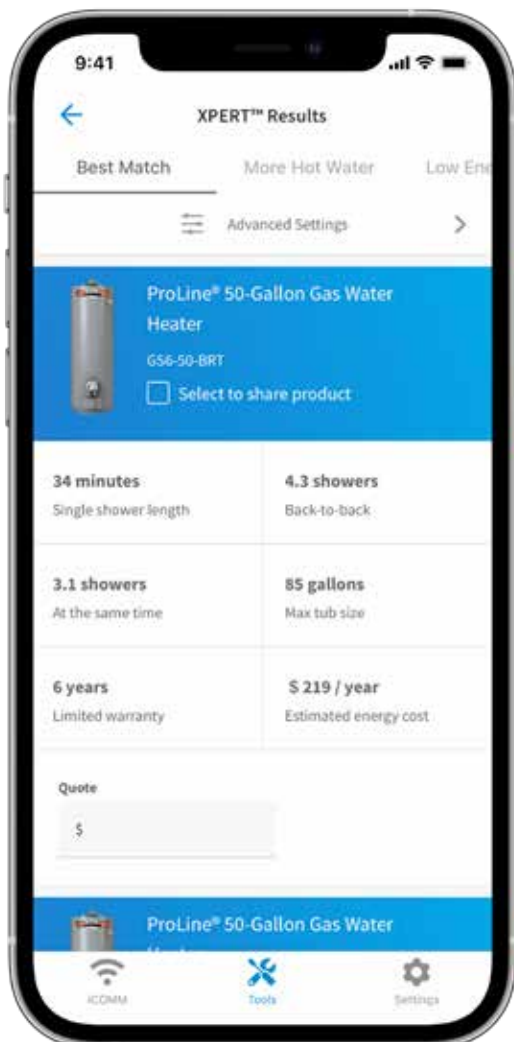




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- Product Cross Reference
- Warranty Check
- iCOMM Remote Connectivity



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